CITY OF
BAINBRIDGE ISLAND

CITY COUNCIL REGULAR BUSINESS MEETING
TUESDAY, MAY 09, 2023

COUNCIL CHAMBERS
280 MADISON AVENUE NORTH
BAINBRIDGE ISLAND, WA

AND

ZOOM WEBINAR
HTTPS://BAINBRIDGEWA.ZOOM.US/J/92947338351
OR TELEPHONE: US: +1 253 215 8782
WEBINAR ID: 929 4733 8351

AGENDA

1. **CALL TO ORDER / ROLL CALL / PLEDGE OF ALLEGIANCE - 6:00 PM**

2. **APPROVAL OF AGENDA / CONFLICT OF INTEREST DISCLOSURE - 6:05 PM**

3. **PRESENTATION(S)**

3.A **(6:10 PM) Approve Proclamation Honoring National Urban Fellow Ellyze Francisco,** 5 Minutes
Proclamation Honoring National Urban Fellow Francisco.docx

3.B **(6:15 PM) Present Proclamation Declaring May 20, 2023, as " Electric Vehicle and Electric Bike Awareness Day on Bainbridge Island"** 5 Minutes
Proclamation for Electric Vehicle and Bike Awareness Day.docx

3.C **(6:20 PM) Present Proclamation declaring May 14 through 20, 2023, as "Bainbridge Island Police Week,"** 5 Minutes
Bainbridge Island Police Week 2023.docx

3.D **(6:25 PM) Present Proclamation Declaring May 21 through May 27, 2023 as "National Public Works Week" - Public Works,** 5 Minutes
2023 Public Works Week Proclamation.docx

4. **PUBLIC COMMENT - 6:30 PM**
Public comment is accepted at this time on any topic of municipal interest. Each commenter will have three minutes, or such amount as the meeting chair determines, to speak. Public comment is not taken on individual

agenda items during the meeting. For items scheduled for a public hearing, comment is accepted from an individual only one time, either during public comment or during the hearing.
Public comment is simply received by the Council, with no response, and Council cannot deliberate on items that are not on the agenda. The lack of comment is not an endorsement or a denial of the comment. Please refer to guidelines and instructions for public comment, including orderly behavior and civility in remarks, attached below. Public comment may be provided in-person in Council Chambers or remotely through Zoom.

4.A **Instructions for Providing Public Comment**
Instructions for Providing Public Comment at Hybrid Meetings.docx

5. CONSENT AGENDA - 7:00 PM

All items listed under this section are considered to be routine and will be acted upon with one motion and one vote. There will be no separate discussion of these items unless a member of the City Council, or City Manager so requests, in which event, the item will be considered separately in its normal sequence.

5.A **Agenda Bill for Consent Agenda,** 5 Minutes

5.B **Approve Accounts Payable and Payroll**
AP Report to Council of Cash Disbursements 05-10-23.pdf
Council Report PR 5-5-23.pdf

5.C **Approve City Council Meeting Minutes**
City Council Study Session Minutes, April 18, 2023.pdf
Special City Council Meeting Minutes - Executive Session, April 25, 2023.pdf
Regular City Council Business Meeting Minutes, April 25, 2023.pdf

5.D **Receive Eagle Harbor Phase II Non-Motorized Improvements Project Completion Report - Public Works**
2022 Modifications to the 2021-2026 CIP - 01077.pdf
Proj Acceptance_Eagle Harbor Shoulder Improvements PH II_Executed.pdf
Vic Map.pdf
Eagle Harbor Ph II Photos.pdf

5.E **Authorize the City Manager to Apply a Sewer Utility Billing Credit in the Amount of $32,996.74 for October 2022 Invoices Billed in November and December - Finance**
Copy of Nov1-Dec1 UB Sewer Credit_Final_w.o.acctinfo.xlsx

5.F **Authorize Amendment No. 2 to the Professional Services Agreement with Herrera Environmental Consultants, Inc. ($43,445.00), and Approve a Related Budget Amendment for the Watershed Assessment of Manzanita program ($45,000.00 Storm and Surface Water Management Fund) – Public Works,**
Manzanita Watershed Staff Memo.docx
Amendment No 2 to PSA.docx
Exhibit A_Cost increase.pdf
Exhibit B_Schedule.pdf
Exhibit C_ Map.pdf

5.G **Appoint Three Planning Commission Members to the Steering Committee Created by Resolution No. 2023-03**

5.H **Authorize City Manager to Move Forward with Executing a Contract for Facilitation Services not to Exceed $65,000 to Assist the Steering Committee Overseeing the Winslow Subarea Plan Update and the Comprehensive Plan Periodic Review - Planning**

6. COUNCIL ANNOUNCEMENTS - 7:05 PM

7. CITY MANAGER'S REPORT- 7:15 PM

7.A **Receive City Manager's Report,** 15 Minutes
City Manager's Report - May 9, 2023.pdf
Winslow Subarea Plan Council Update

8. REGULAR BUSINESS

8.A **(7:30 PM) Provide Direction on the Definition of Inns in Neighborhood Centers - "Inn Moratorium" - Planning,** 20 Minutes

8.B **(7:50 PM) Introduce Ordinance No. 2023-16 Relating to Water and Sewer Utility Rate Adjustments - Public Works,** 10 Minutes
Final Report - 2022 Utility Rate and SPF Update.pdf
Water_Sewer Rate Study Recommendation Revisions Staff Memo.docx
Ordinance No. 2023-16 Amending Water and Sewer Utility Fees and Repealing Section 13.16.040.A.1 Relating to Partial Deposits for Limited Reservation of Water or Sewer Capacity.docx
Ordinance No. 2023-16 Exhibit A Water and Sewer Participation Fees.docx
Ordinance No. 2023-16 Exhibit B Water and Sewer Monthly Rates.docx
Upcoming Water Rate Changes.pdf

8.C **(8:00 PM) Adopt Ordinance Nos. 2023-09, 2023-10, 2023-11 and 2023-12 regarding Site-specific Rezones and 2022 Comprehensive Plan Amendment (CPA) Applications,** 15 Minutes
Ordinance No. 2023-09 PSE Port Madison CPA
Ordinance No. 2023-10 PSE Murden Cove CPA
Ordinance No. 2023-11 PSE Winslow Substation CPA-Rezone_updated04.20.2023.docx
PSE memo to Council dated April 28 2023 submitted 01MAY2023.pdf
PSE Memo to Council dated April 6, 2023.pdf
Applicant Overview Narrative.pdf
Staff analysis Port Madison.pdf
Staff analysis Murden Cove.pdf
Staff analysis Winslow.pdf
Winslow_Area map and development regulation comparison.pptx
Port Madison_Area map and development regulation comparison.pptx
Murden Cove_Area map and development regulation comparison.pptx
Lynwood CPA Presentation.pptx
4 25 CCLynwood CPA Memo.docx

Ordinance No. 2023-12 Lynwood Center CPA.docx

8.D **(8:15 PM) Discuss Carbon Offset Options for Police/Court Facility,** 20 Minutes
Attachment A - CCAC Summary of Carbon Offset Analysis .docx
Attachment B - Analysis of Carbon Offset Options for Police Court Building.xlsx

8.E **(8:35 PM) Direct the City Manager to Review City Sign Regulations, Municipal Code Chapter 15.08, specifically as it applies to Sandwich Board Signs and Temporary Signs, Consult with the Business Community, and Return to the City Council with Recommendations - Executive,** 20 Minutes
Pictures of Signs Along Sidewalks and Public Right of Ways on Bainbridge Island.pdf

8.F **(8:55 PM) Consider Authorizing the City Manager to Prepare an Ordinance Amending BIMC Chapter 16.30, Pest Management and Pesticide Use, and Allow for Immediate Use of Low Toxicity Pesticides - Public Works,** 10 Minutes
Chapter 16.30 PEST MANAGEMENT AND.pdf
Project Area Exhibits.pdf
Letter to City Council re herbicide list.pdf
WSDOT_Herbicides-factsheet-Imazapyr.pdf
WSDOT_Herbicides-factsheet-Triclopyr.pdf

8.G **(9:05 PM) Determine Councilmember Assignments for the Selection Panel for the Ethics Board, the Environmental Technical Advisory Committee and the Utility Advisory Committee - Executive,** 5 Minutes

9. ADJOURNMENT - 9:10 PM

GUIDING PRINCIPLES

Guiding Principle #1 - Preserve the special character of the Island, which includes downtown Winslow's small town atmosphere and function, historic buildings, extensive forested areas, meadows, farms, marine views and access, and scenic and winding roads supporting all forms of transportation.

Guiding Principle #2 - Manage the water resources of the Island to protect, restore and maintain their ecological and hydrological functions and to ensure clean and sufficient groundwater for future generations.

Guiding Principle #3 - Foster diversity with a holistic approach to meeting the needs of the Island and the human needs of its residents consistent with the stewardship of our finite environmental resources.

Guiding Principle #4 - Consider the costs and benefits to Island residents and property owners in making land use decisions.

Guiding Principle #5 - The use of land on the Island should be based on the principle that the Island's environmental resources are finite and must be maintained at a sustainable level.

Guiding Principle #6 - Nurture Bainbridge Island as a sustainable community by meeting the needs of the present without compromising the ability of future generations to meet their own needs.

Guiding Principle #7 - Reduce greenhouse gas emissions and increase the Island's climate resilience.

Guiding Principle #8 - Support the Island's Guiding Principles and Policies through the City's organizational and operating budget decisions.

 **City Council meetings are wheelchair accessible. Assisted listening devices are available in Council Chambers. If you require additional ADA accommodations, please contact the City Clerk's Office at 206-780-8604 or cityclerk@bainbridgewa.gov by noon on the day preceding the meeting.**

CITY OF BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill

MEETING DATE: May 9, 2023 **ESTIMATED TIME:** 5 Minutes

AGENDA ITEM: (6:10 PM) Approve Proclamation Honoring National Urban Fellow Ellyze Francisco,

SUMMARY: The attached proclamation declares May 9, 2023, as "National Urban Fellow Ellyze Francisco Day" in recognition of her contributions to the City of Bainbridge Island.

AGENDA CATEGORY: Proclamation **PROPOSED BY:** Executive

RECOMMENDED MOTION: I move to approve the proclamation honoring National Urban Fellow Ellyze Francisco.

COMMUNITY ENGAGEMENT AND OUTREACH:

FISCAL IMPACT:

Amount:	
Ongoing Cost:	
One-Time Cost:	
Included in Current Budget?	

BACKGROUND:

ATTACHMENTS:

Proclamation Honoring National Urban Fellow Francisco.docx

FISCAL DETAILS:

Fund Name(s):

Coding:

CITY OF
BAINBRIDGE ISLAND

PROCLAMATION

A PROCLAMATION by the City Council of the City of Bainbridge Island, Washington, honoring the City of Bainbridge Island's first National Urban Fellow, Ellyze Francisco.

WHEREAS, the National Urban Fellow program supports the ongoing professional development of professionals of all ethnic and racial backgrounds, particularly people of color and women, to be leaders and change agents in the public and non-profit sectors, with a strong commitment to social justice and equity; and

WHEREAS, National Urban Fellow Francisco, a student in the master's program in public policy at Georgetown University, joined the City in September 2022; and

WHEREAS, National Urban Fellow Francisco quickly became an integral part of the City's Executive and Leadership team; and

WHEREAS, National Urban Fellow Francisco worked on key policy updates and community projects, including updating the legislative guidelines, working with community members on the first BI Reads program, and updating the City's definition of bicycles to include eBikes (National Urban Fellow Francisco is known for her commute from Seattle on a mini eBike); and

WHEREAS, National Urban Fellow Francisco's capstone project is "Powering Change: How Energy Efficiency can Transform Affordable Housing in Washington State," and she highlighted best practices in residential green building with three policy alternatives in a special presentation on May 8 for City staff; and

NOW, THEREFORE, I, Brenda Fantroy-Johnson, Mayor of the City of Bainbridge Island, on behalf of the City Council, do hereby declare May 9, 2023, as

National Urban Fellow Ellyze Francisco Day

in the City of Bainbridge Island to recognize and honor her important work for the City of Bainbridge Island and in anticipation of future contributions to the organizations and communities in which she works and urge all residents to join us in this special celebration.

DATED this 9th day of May, 2023

Brenda Fantroy-Johnson, Mayor

CITY OF BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill

MEETING DATE: May 9, 2023 **ESTIMATED TIME:** 5 Minutes

AGENDA ITEM: (6:15 PM) Present Proclamation Declaring May 20, 2023, as " Electric Vehicle and Electric Bike Awareness Day on Bainbridge Island"

SUMMARY: The attached proclamation declares May 20, 2023, as " Electric Vehicle and Electric Bike Awareness Day on Bainbridge Island."

AGENDA CATEGORY: Proclamation **PROPOSED BY:** City Council

RECOMMENDED MOTION: I move to approve the attached proclamation declaring May 20, 2023, as "Electric Vehicle and Electric Bike Awareness Day on Bainbridge Island" and to add this proclamation to the list of annual proclamations that may be signed by the Mayor without further Council action.

COMMUNITY ENGAGEMENT AND OUTREACH: This proclamation was reviewed at the April 19, 2023 Climate Change Advisory Committee meeting.

FISCAL IMPACT:	
Amount:	
Ongoing Cost:	
One-Time Cost:	
Included in Current Budget?	

BACKGROUND:

ATTACHMENTS:

Proclamation for Electric Vehicle and Bike Awareness Day.docx

FISCAL DETAILS:

Fund Name(s):

Coding:

CITY OF
BAINBRIDGE ISLAND

PROCLAMATION

A PROCLAMATION of the City Council of Bainbridge Island, Washington declaring May 20, 2023, as "Electric Vehicle and Electric Bike Awareness Day on Bainbridge Island."

WHEREAS, the City of Bainbridge Island's Comprehensive Plan includes reducing greenhouse gas emissions and increasing the Island's climate resilience as one of its eight guiding principles; and

WHEREAS, vehicle transportation contributed to over 15 percent of the greenhouse gas emissions for Bainbridge Island in the 2018 greenhouse gas emissions inventory; and

WHEREAS, the City's Climate Action Plan has established a goal to transition the City's fleet to 75 percent electric vehicles and the remainder to biofuels by 2025; and

WHEREAS, the City's Climate Action Plan has established a goal to have 80 percent of registered vehicles on Bainbridge Island be either electric vehicles or plug-in hybrid electric vehicles by 2045; and

WHEREAS, the City's Climate Action Plan set a goal to increase the mode share of active transportation (biking and walking) to 25 percent by 2030 and 50 percent by 2045; and

WHEREAS, switching from gas powered to electric vehicles, and from cars to active transportation, are two important means to reduce transportation-related greenhouse gas emissions; and

WHEREAS, there has been an exponential growth in the sale of electric vehicles with about 13 percent of new cars sold in 2022 being electric; and

WHEREAS, electric bike sales outpaced the combined sales of regular and hybrid bikes in 2022; and

WHEREAS, several Bainbridge Island-based organizations have worked to organize a 2023 Kitsap Electric Vehicle and Bike Expo to help the public learn more about electric vehicles and electric bikes and encourage more residents to convert to electric transportation fuels.

NOW THEREFORE, I, Brenda Fantroy-Johnson, Mayor of the City of Bainbridge Island, on behalf of the City Council, do hereby proclaim May 20, 2023, as

ELECTRIC VEHICLE AND ELECTRIC BIKE AWARENESS DAY ON BAINBRIDGE ISLAND

and encourage residents to attend the Kitsap Electric Vehicle and Bike Expo to be held on Saturday, May 20th from 10:00 a.m. to 2:00 p.m. at Woodward Middle School on Bainbridge Island to learn more about electric vehicles and electric bikes and their role in reducing greenhouse gas emissions and mitigating our contribution to climate change.

DATED this 9th day of May, 2023

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Brenda Fantroy-Johnson, Mayor

CITY OF BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill

MEETING DATE: May 9, 2023 **ESTIMATED TIME:** 5 Minutes

AGENDA ITEM: (6:20 PM) Present Proclamation declaring May 14 through 20, 2023, as "Bainbridge Island Police Week,"

SUMMARY: The attached proclamation declares the week of May 14 through 20, 2023, as "Bainbridge Island Police Week." It is one of the annual proclamations that may be signed by the Mayor without further City Council action.

AGENDA CATEGORY: Presentation **PROPOSED BY:** Police

RECOMMENDED MOTION: Presentation only.

COMMUNITY ENGAGEMENT AND OUTREACH:

FISCAL IMPACT:

Amount:	
Ongoing Cost:	
One-Time Cost:	
Included in Current Budget?	

BACKGROUND:

ATTACHMENTS:

Bainbridge Island Police Week 2023.docx

FISCAL DETAILS:

Fund Name(s):

Coding:

CITY OF
BAINBRIDGE ISLAND

PROCLAMATION

A PROCLAMATION by the City Council of the City of Bainbridge Island, Washington, recognizing May 14 - 20, 2023, as "Bainbridge Island Police Week" to honor the service and sacrifice of those law enforcement officers killed in the line of duty.

WHEREAS, in 1962, President John F. Kennedy designated May 15 as Peace Officers Memorial Day and the week in which it falls as *National Police Week*; and

WHEREAS, there are more than 800,000 law enforcement officers serving in communities across the United States, including the dedicated members of the Bainbridge Island Police Department; and

WHEREAS, since the first recorded death in 1786, more than 23,000 law enforcement officers in the United States have made the ultimate sacrifice and been killed in the line of duty, whose names are engraved on the walls of the National Law Enforcement Officers Memorial in Washington, DC; and

WHEREAS, the Bainbridge Island City Council wishes to honor the service and sacrifice of law enforcement officers killed in the line of duty by formally designating May 14 - 20, 2023, as Police Week in the City of Bainbridge Island to publicly salute the service of law enforcement officers in our community and in communities across the nation.

NOW THEREFORE, I, Brenda Fantroy-Johnson, Mayor of the City of Bainbridge Island, on behalf of the City Council, do hereby proclaim May 14 - 20, 2023, as

BAINBRIDGE ISLAND POLICE WEEK

and encourage all residents to join me in this special observance.

DATED this 9th day of May, 2023

_____
Brenda Fantroy-Johnson, Mayor

CITY OF BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill

MEETING DATE: May 9, 2023 **ESTIMATED TIME:** 5 Minutes

AGENDA ITEM: (6:25 PM) Present Proclamation Declaring May 21 through May 27, 2023 as “National Public Works Week” - Public Works,

SUMMARY: The attached proclamation declares May 21 through May 27, 2023, as “National Public Works Week." National Public Works Week is a celebration of the tens of thousands of men and women in North America who provide and maintain the infrastructure and services collectedly known as “Public Works." This year's theme, "Connecting the World Through Public Works," highlights the way public works professionals connect us physically, through infrastructure, and inspirationally, through service to their communities, whether as first responders, or daily workers carrying out their duties with pride.

This proclamation is one of the annual proclamations that the Mayor may sign without further Council action.

AGENDA CATEGORY: Proclamation **PROPOSED BY:** Public Works

RECOMMENDED MOTION: Presentation only.

COMMUNITY ENGAGEMENT AND OUTREACH:

FISCAL IMPACT:

Amount:	N/A
Ongoing Cost:	
One-Time Cost:	N/A
Included in Current Budget?	No

BACKGROUND:

ATTACHMENTS:

2023 Public Works Week Proclamation.docx

FISCAL DETAILS: N/A

Fund Name(s):

Coding: N/A

CITY OF
BAINBRIDGE ISLAND

PROCLAMATION

A PROCLAMATION by the City Council of the City of Bainbridge Island, Washington, declaring May 21 through May 27, 2023, as *National Public Works Week* in the City of Bainbridge Island.

WHEREAS, public works professionals focus on infrastructure, facilities, emergency management, and services that are of vital importance to sustainable and resilient communities and the public health, high quality of life, and well-being of the people of the City of Bainbridge Island; and

WHEREAS, these infrastructures, facilities, and services could not be provided without the dedicated efforts of public works professionals, who are federally mandated first responders, and the engineers, managers, and employees at all levels of government and the private sector, who are responsible for rebuilding, improving, and protecting our nation's transportation, water supply, water treatment, public buildings, and other structures and facilities essential for our residents; and

WHEREAS, it is in the public interest for the residents and civic leaders in the City of Bainbridge Island to gain knowledge and maintain ongoing interest and understanding of the importance of public works first responders and public works programs in their respective communities; and

WHEREAS, the year 2023 marks the 63rd annual *National Public Works Week* sponsored by the American Public Works Association/Canadian Public Works Association; and

WHEREAS, this year's theme, "Connecting the World Through Public Works," highlights the way public works professionals connect us physically, through infrastructure, and inspirationally, through service to their communities, whether as first responders, or daily workers carrying out their duties with pride.

NOW, THEREFORE, I, Brenda Fantroy-Johnson, Mayor of the City of Bainbridge Island, Washington, on behalf of the City Council, do hereby proclaim May 21 through May 27, 2023, as

NATIONAL PUBLIC WORKS WEEK

in the City of Bainbridge Island, and I invite all residents and civic organizations to acquaint themselves with all involved in providing our Public Works services and to recognize the contributions that Public Works officials make every day towards our health, safety, and comfort of our community.

SIGNED, this 9th day of May, 2023

Brenda Fantroy-Johnson, Mayor

CITY OF BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill

MEETING DATE: May 9, 2023 **ESTIMATED TIME:**

AGENDA ITEM: Instructions for Providing Public Comment

SUMMARY: Instructions for providing public comment are attached.

AGENDA CATEGORY: Discussion **PROPOSED BY:** City Council

RECOMMENDED MOTION: Information only.

COMMUNITY ENGAGEMENT AND OUTREACH:

FISCAL IMPACT:

Amount:	
Ongoing Cost:	
One-Time Cost:	
Included in Current Budget?	

BACKGROUND:

ATTACHMENTS:

Instructions for Providing Public Comment at Hybrid Meetings.docx

FISCAL DETAILS:

Fund Name(s):

Coding:

CITY OF
BAINBRIDGE ISLAND

CITY CLERK'S OFFICE

Members of the public are encouraged to submit written public comment to the City Council at any time by emailing Council at council@bainbridgewa.gov. Members of the public who wish to provide public comment may attend the business meeting in Council Chambers or may participate remotely by following the instructions outlined below. If you are attending in-person, please sign up to speak on the sign-in sheet by the Chamber doors. The Mayor will call the people signed up on the sign-in sheet in Council Chambers first, and speakers will have three minutes to speak from the podium. Following the in-person comment, the Mayor will call people who have raised their hands in the Zoom meeting. A timer on the screen will indicate when 3 minutes have elapsed. Guidelines for public comment are also attached.

INSTRUCTIONS FOR PROVIDING PUBLIC COMMENT REMOTELY

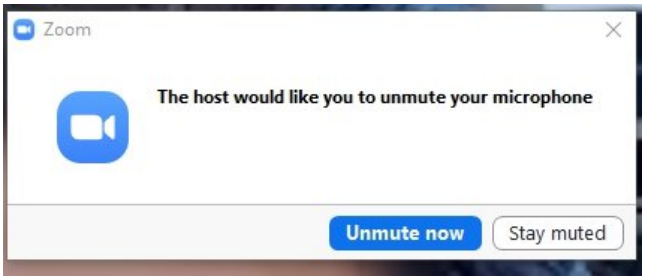
1. Join the Zoom webinar by following the link posted on the agenda and on the City calendar.

2. Sign in to Zoom with your full name.

3. The Mayor will indicate when it is time for public comment.

4. Attendee indicates desire to speak by clicking on "Raise Hand" option at the bottom of the screen.

5. Attendee clicks button "Unmute now" after they are called to speak by the Mayor.



6. Attendee will appear on screen with other panelists, but without video, just name.

IMPORTANT NOTE: If you do not have the latest version of Zoom, the Clerk will promote you to panelist. You will then appear with video enabled. Look for the video icon in the bottom left-hand corner of the screen to turn off your video.

7. Attendee provides their comment.

8. A timer on the screen will track your time.

9. Stop speaking when the timer reaches the 3-minute mark.

10. Attendee is returned to attendee group, and microphone is muted.

11. Public comment is simply received by the Council, with no response.

Excerpt from the Governance Manual regarding public comment:

5.6 Respect and Decorum

It is the duty of the Presiding Officer and Councilmembers to maintain dignity and respect for their offices, City staff, and the public. While the Council is in session, the Councilmembers shall preserve civility, order and decorum. No member of the public shall, by conversation or otherwise, delay, disrupt, or interrupt the proceedings of the Council, nor engage in any of the prohibited behavior described below. Councilmembers and the public shall obey the proper orders of the Presiding Officer of the meeting.

5.6.1 Orderly Behavior and Civility in Remarks

Any person disrupting the business of the Council, either while addressing the Council or attending the proceedings, shall be asked to leave, or be removed from the meeting. Continued disruptions may result in a point of order by the Presiding Officer or a Councilmember pursuant to the Council's parliamentary rules, or a recess, forced removal, or adjournment as described elsewhere in this manual. Disruptive behavior includes, but is not limited to, the following:

(a) Speaking without being recognized by the Presiding Officer.

(b) Continuing to speak after the allotted time has expired.

(c) Speaking on an item at a time not designated for discussion by the public of that item, such as speaking on a quasi-judicial item at a time other than during a public hearing or closed record proceeding on the matter.

(d) Throwing objects.

(e) Speaking on an issue that is not within the jurisdiction of the City Council or is otherwise irrelevant to Council business.

(f) Speaking in favor of or in opposition to a ballot proposition or a candidate for public office, provided, that public comment is allowed when the City Council is considering taking a collective position in favor of or in opposition to a ballot proposition as authorized in RCW 42.17A.555.

(g) Impersonating a City Councilmember or a member of the City staff.

(h) Shouting or otherwise engaging in loud or boisterous behavior.

(i) Continuing to make repetitive remarks after being requested not to do so by the Presiding Officer or a majority of the City Council.

(j) Attempting to engage the audience rather than the Council, e.g., asking audience members to stand, clap, boo or otherwise express collective support or opposition to any matter.

(k) Booing, hissing, or otherwise disrupting the comments of another speaker.

(l) Using racial slurs or other slurs directed at the color, creed, religion, ancestry, gender, sexual orientation, gender expression or identity, national origin, citizenship or immigration status, or mental, physical, or sensory disability of any individual or group, or any other words considered “fighting words” under constitutional law.

(m) Refusing to modify conduct after being advised by the Presiding Officer that the conduct is disrupting the meeting or disobeying any other lawful order of the Presiding Officer or a majority of the City Council.

5.6.2 Permission Required to Address the Council

Persons other than Councilmembers and Administration shall be permitted to address the Council only upon recognition and introduction by the Presiding Officer of the meeting.

CITY OF BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill

MEETING DATE: May 9, 2023 **ESTIMATED TIME:** 5 Minutes

AGENDA ITEM: Agenda Bill for Consent Agenda,

SUMMARY: Council will consider approval of the Consent Agenda.

AGENDA CATEGORY: Consent Agenda **PROPOSED BY:** Executive

RECOMMENDED MOTION: I move to approve the Consent Agenda as presented.

COMMUNITY ENGAGEMENT AND OUTREACH:

FISCAL IMPACT:

Amount:	
Ongoing Cost:	
One-Time Cost:	
Included in Current Budget?	

BACKGROUND:

ATTACHMENTS:

FISCAL DETAILS:

Fund Name(s):

Coding:

CITY OF BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill

MEETING DATE: May 9, 2023 **ESTIMATED TIME:**

AGENDA ITEM: Approve Accounts Payable and Payroll

SUMMARY: Council will consider approval of payroll and accounts payable.

AGENDA CATEGORY: Consent Agenda **PROPOSED BY:** Executive

RECOMMENDED MOTION: Approve accounts payable and payroll.

COMMUNITY ENGAGEMENT AND OUTREACH:

FISCAL IMPACT:

Amount:	
Ongoing Cost:	
One-Time Cost:	
Included in Current Budget?	

BACKGROUND:

ATTACHMENTS:

AP Report to Council of Cash Disbursements 05-10-23.pdf

Council Report PR 5-5-23.pdf

FISCAL DETAILS:

Fund Name(s):

Coding:

CITY OF
BAINBRIDGE ISLAND

ACCOUNTS PAYABLE REPORT TO CITY COUNCIL OF CASH DISBURSEMENTS

CHECK RUN: April 24, 2023 - May 08, 2023
CITY COUNCIL: April 25, 2023 - May 09, 2023

Last check from previous run: 360108 dated 04/26/2023 issued to Xylem Water Solutions for $7,048.00
Last ACH from previous run: 2160 dated 04/26/2023 issued to Westbay Auto Parts for $633.29

Payment Type	Check Date	Check Number	Department/Vendor/Description	Amount
ACH/EFT	04/21/2023	2161	PW/GeoEngineers Inc/Buffer mitigation plan professional services	3,252.25
ACH/EFT	04/25/2023	2162	WA State DOL/Firearm permits - Apr. 2023	423.00
ACH/EFT	04/28/2023	2163	Visit Bainbridge Island/2023 LTAC contract	35,840.53
ACH/EFT	05/03/2023	2164	EX/Helpline House/Rental and mortgage assistance	20,000.00
Manual	04/20/2023	360109	CenturyLink/Citywide telemetry - Apr. 2023	465.74
Manual	04/20/2023	360110	Puget Sound Energy/Citywide energy services, green power contract	895.85
Manual	04/27/2023	360111	POL,EOC/AT&T/Wireless charges	3,354.09
Manual	04/27/2023	360112	Francisco, Ellyze/CTR incentive Q1 2023	150.00
Manual	04/27/2023	360113	ENG,EX,POL/WA ST Dept of L&I/Q1 2023 L&I volunteer hours	92.81
			Total Manual Checks and Electronic Disbursements	**64,474.27**

Regular Run Checks	05/10/2023	360114-360162	**Total Regular Check Run**	**43,078.10**
Regular Run ACH	05/10/2023	2165-2217	**Total Regular ACH Run**	**1,551,905.88**
			Total Disbursements	**1,659,458.25**

Retainage Release	N/A	N/A		N/A
Travel Advance	N/A	N/A		N/A

Prepared and Reviewed by _____ Jacob Kines, Senior Accounting Technician

I, the undersigned, do hereby certify under penalty of perjury that the materials have been furnished, the services rendered, or the labor performed as described herein and that the claim is a just, due, and unpaid obligation against the City of Bainbridge Island, and that I am authorized to authenticate and certify to said claim.

Karl R. Shaw

5/3/2023

Karl R. Shaw, Accounting Manager — Date

JK

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
							INVOICE DTL DESC			
2161	04/21/2023	EFT	10075	GEOENGINEERS, INC.	262814	0185806	01/27/2023		M042023	3,252.25
Invoice: 0185806							PW/BUFFER MITIGATION PLAN			
					3,252.25	73011593 54110000998	SHADE COVENANT-PROF SVCS			
								CHECK	2161 TOTAL:	3,252.25
						NUMBER OF CHECKS 1		*** CASH ACCOUNT TOTAL ***		3,252.25

	COUNT	AMOUNT
TOTAL EFT'S	1	3,252.25

*** GRAND TOTAL *** 3,252.25

JOURNAL ENTRIES TO BE CREATED

CLERK: jkines

YEAR PER JNL SRC ACCOUNT / EFF DATE	JNL DESC	REF 1	REF 2	REF 3	ACCOUNT DESC / LINE DESC	T	OB	DEBIT	CREDIT
2023 4 158									
APP 001-213000					GENERAL - ACCOUNTS PAYABLE			3,252.25	
04/21/2023	M042023	042023			AP CASH DISBURSEMENTS JOURNAL				
APP 635-111100					CASH				3,252.25
04/21/2023	M042023	042023			AP CASH DISBURSEMENTS JOURNAL				
					GENERAL LEDGER TOTAL			3,252.25	3,252.25
APP 631-130000					DUE TO/FROM CLEARING			3,252.25	
04/21/2023	M042023	042023							
APP 001-130000					GENERAL - DUE TO/FROM CLEARING				3,252.25
04/21/2023	M042023	042023							
					SYSTEM GENERATED ENTRIES TOTAL			3,252.25	3,252.25
					JOURNAL 2023/04/158 TOTAL			6,504.50	6,504.50

JOURNAL ENTRIES TO BE CREATED

FUND / ACCOUNT	YEAR	PER	JNL	EFF DATE / ACCOUNT DESCRIPTION	DEBIT	CREDIT
001 GENERAL FUND	2023	4	158	04/21/2023		
001-130000				GENERAL - DUE TO/FROM CLEARING		3,252.25
001-213000				GENERAL - ACCOUNTS PAYABLE	3,252.25	
				FUND TOTAL	3,252.25	3,252.25
631 CLEARING FUND	2023	4	158	04/21/2023		
631-130000				DUE TO/FROM CLEARING	3,252.25	
635-111100				CASH		3,252.25
				FUND TOTAL	3,252.25	3,252.25

JOURNAL ENTRIES TO BE CREATED

FUND		DUE TO	DUE FROM
001	GENERAL FUND		3,252.25
631	CLEARING FUND	3,252.25	
	TOTAL	3,252.25	3,252.25

** END OF REPORT - Generated by Jacob Kines **

JK

munis a tyler erp solution

04/25/2023 09:17 | CITY OF BAINBRIDGE ISLAND | P 1
jkines | A/P CASH DISBURSEMENTS JOURNAL | apcshdsb

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
						INVOICE DTL DESC				
2162	04/25/2023	MANL	969	DEPARTMENT OF LICENS	262866	APR23FA	04/25/2023		FAAPR23	423.00
Invoice: APR23FA							POL/APRIL 2023 CPLS			
					423.00	41654860 586000	CPL GUN PERMIT-STATE SHARE OUT			

CHECK 2162 TOTAL: 423.00

NUMBER OF CHECKS 1 *** CASH ACCOUNT TOTAL *** 423.00

	COUNT	AMOUNT
TOTAL MANUAL CHECKS	1	423.00

*** GRAND TOTAL *** 423.00

JOURNAL ENTRIES TO BE CREATED

CLERK: jkines

YEAR PER JNL SRC ACCOUNT / EFF DATE	JNL DESC	REF 1	REF 2	REF 3	ACCOUNT DESC / LINE DESC	T	OB	DEBIT	CREDIT
2023 4 197									
APP 650-213000					ACCOUNTS PAYABLE			423.00	
04/25/2023	FAAPR23	042523			AP CASH DISBURSEMENTS JOURNAL				
APP 635-111100					CASH				423.00
04/25/2023	FAAPR23	042523			AP CASH DISBURSEMENTS JOURNAL				
					GENERAL LEDGER TOTAL			423.00	423.00
APP 631-130000					DUE TO/FROM CLEARING			423.00	
04/25/2023	FAAPR23	042523							
APP 650-130000					DUE TO/FROM CLEARING				423.00
04/25/2023	FAAPR23	042523							
					SYSTEM GENERATED ENTRIES TOTAL			423.00	423.00
					JOURNAL 2023/04/197 TOTAL			846.00	846.00

JOURNAL ENTRIES TO BE CREATED

FUND / ACCOUNT	YEAR	PER	JNL	EFF DATE / ACCOUNT DESCRIPTION	DEBIT	CREDIT
631 CLEARING FUND	2023	4	197	04/25/2023		
631-130000				DUE TO/FROM CLEARING	423.00	
635-111100				CASH		423.00
				FUND TOTAL	423.00	423.00
650 AGENCY FUND	2023	4	197	04/25/2023		
650-130000				DUE TO/FROM CLEARING		423.00
650-213000				ACCOUNTS PAYABLE	423.00	
				FUND TOTAL	423.00	423.00

JOURNAL ENTRIES TO BE CREATED

FUND		DUE TO	DUE FROM
631	CLEARING FUND	423.00	
650	AGENCY FUND		423.00
	TOTAL	423.00	423.00

** END OF REPORT - Generated by Jacob Kines **

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munis a tyler erp solution

04/27/2023 10:37 | CITY OF BAINBRIDGE ISLAND | P 1
jkines | A/P CASH DISBURSEMENTS JOURNAL | apcshdsb

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
						INVOICE DTL DESC				
2163	04/28/2023	EFT	9373	VISIT BAINBRIDGE ISL	262870	147	03/31/2023		M042723	35,840.53
Invoice: 147						2023 LTAC CONTRACT (DESTINATIO				
					35,840.53	91140573 541100 GG-TOUR-PROF SERVICES				
								CHECK	2163 TOTAL:	35,840.53
						NUMBER OF CHECKS 1		*** CASH ACCOUNT TOTAL ***		35,840.53

	COUNT	AMOUNT
TOTAL EFT'S	1	35,840.53

*** GRAND TOTAL *** 35,840.53

JOURNAL ENTRIES TO BE CREATED

CLERK: jkines

YEAR PER JNL SRC ACCOUNT EFF DATE	JNL DESC	REF 1	REF 2	REF 3	ACCOUNT DESC LINE DESC	T OB	DEBIT	CREDIT
2023 4 231								
APP 104-213000					CIVIC IMPR - ACCOUNTS PAYABLE		35,840.53	
04/28/2023	M042723	042723			AP CASH DISBURSEMENTS JOURNAL			
APP 635-111100					CASH			35,840.53
04/28/2023	M042723	042723			AP CASH DISBURSEMENTS JOURNAL			
					GENERAL LEDGER TOTAL		35,840.53	35,840.53
APP 631-130000					DUE TO/FROM CLEARING		35,840.53	
04/28/2023	M042723	042723						
APP 104-130000					CIVIC IMPR DUE TO/FROM CLEAR'G			35,840.53
04/28/2023	M042723	042723						
					SYSTEM GENERATED ENTRIES TOTAL		35,840.53	35,840.53
					JOURNAL 2023/04/231 TOTAL		71,681.06	71,681.06

JOURNAL ENTRIES TO BE CREATED

FUND / ACCOUNT	YEAR	PER	JNL	EFF DATE / ACCOUNT DESCRIPTION	DEBIT	CREDIT
104 CIVIC IMPROVEMENT FUND	2023	4	231	04/28/2023		
104-130000				CIVIC IMPR DUE TO/FROM CLEAR'G		35,840.53
104-213000				CIVIC IMPR - ACCOUNTS PAYABLE	35,840.53	
				FUND TOTAL	35,840.53	35,840.53
631 CLEARING FUND	2023	4	231	04/28/2023		
631-130000				DUE TO/FROM CLEARING	35,840.53	
635-111100				CASH		35,840.53
				FUND TOTAL	35,840.53	35,840.53

JOURNAL ENTRIES TO BE CREATED

FUND		DUE TO	DUE FROM
104	CIVIC IMPROVEMENT FUND		35,840.53
631	CLEARING FUND	35,840.53	
	TOTAL	35,840.53	35,840.53

** END OF REPORT - Generated by Jacob Kines **

JK

05/02/2023 08:28 | CITY OF BAINBRIDGE ISLAND | P 1
jkines | A/P CASH DISBURSEMENTS JOURNAL | apcshdsb

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
						INVOICE DTL DESC				
2164	05/03/2023	EFT	7180	HELPLINE HOUSE	263091	04/28/2023	04/28/2023		M050223	20,000.00
Invoice: 04/28/2023						EX/Rental and Mortgage Assistance				
					20,000.00	31180592 54130300297	EMERGENCY RENTAL ASSISTANCE			

CHECK 2164 TOTAL: 20,000.00

NUMBER OF CHECKS 1 *** CASH ACCOUNT TOTAL *** 20,000.00

	COUNT	AMOUNT
TOTAL EFT'S	1	20,000.00

*** GRAND TOTAL *** 20,000.00

JOURNAL ENTRIES TO BE CREATED

CLERK: jkines

YEAR PER JNL SRC ACCOUNT / EFF DATE	JNL DESC	REF 1	REF 2	REF 3	ACCOUNT DESC / LINE DESC	T	OB	DEBIT	CREDIT
2023 5 5									
APP 108-213000					AFFORD HSG - ACCOUNTS PAYABLE			20,000.00	
05/03/2023	M050223	050223			AP CASH DISBURSEMENTS JOURNAL				
APP 635-111100					CASH				20,000.00
05/03/2023	M050223	050223			AP CASH DISBURSEMENTS JOURNAL				
					GENERAL LEDGER TOTAL			20,000.00	20,000.00
APP 631-130000					DUE TO/FROM CLEARING			20,000.00	
05/03/2023	M050223	050223							
APP 108-130000					AFFORD HSG DUE TO/FROM CLEAR'G				20,000.00
05/03/2023	M050223	050223							
					SYSTEM GENERATED ENTRIES TOTAL			20,000.00	20,000.00
					JOURNAL 2023/05/5 TOTAL			40,000.00	40,000.00

JOURNAL ENTRIES TO BE CREATED

FUND / ACCOUNT	YEAR	PER	JNL	EFF DATE / ACCOUNT DESCRIPTION	DEBIT	CREDIT
108 AFFORDABLE HOUSING FUND	2023	5	5	05/03/2023		
108-130000				AFFORD HSG DUE TO/FROM CLEAR'G		20,000.00
108-213000				AFFORD HSG - ACCOUNTS PAYABLE	20,000.00	
				FUND TOTAL	20,000.00	20,000.00
631 CLEARING FUND	2023	5	5	05/03/2023		
631-130000				DUE TO/FROM CLEARING	20,000.00	
635-111100				CASH		20,000.00
				FUND TOTAL	20,000.00	20,000.00

JOURNAL ENTRIES TO BE CREATED

FUND		DUE TO	DUE FROM
108	AFFORDABLE HOUSING FUND		20,000.00
631	CLEARING FUND	20,000.00	
	TOTAL	20,000.00	20,000.00

** END OF REPORT - Generated by Jacob Kines **



CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
							INVOICE DTL DESC			
2165	05/10/2023	EFT	5	ACE HARDWARE	262818	531631	04/13/2023		05/07/23	12.84
Invoice: 531631							PW/FASTENERS X24			
					12.84	73011897 531100	O&M-C/E-PWY FAC-SUPPLIES			
					262819	531701	04/13/2023		05/07/23	7.10
Invoice: 531701							PW/FASTENERS X10			
					7.10	73011897 531100	O&M-C/E-PWY FAC-SUPPLIES			
					262820	531991	04/18/2023		05/07/23	16.37
Invoice: 531991							PW/CULTIVTR 4TINE TRUPR 48"			
					16.37	73011255 531100	O&M-C/E-COURT FAC-SUPPLIES			
					262821	532001	04/18/2023		05/07/23	49.13
Invoice: 532001							PW/FAN EXHAUST BATH 70CFM			
					49.13	73011897 531100	O&M-C/E-PWY FAC-SUPPLIES			
					262871	532061	04/19/2023		05/07/23	38.21
Invoice: 532061							POL/EXTENSION CORD			
					38.21	51011217 531100	PD-C/E-PARKING ENF-SUPPLIES			
					262872	532071	04/19/2023		05/07/23	14.17
Invoice: 532071							PW/RED COUPLING, HEX NIPPLE BRS			
					14.17	73011897 531100	O&M-C/E-PWY FAC-SUPPLIES			
					262873	532191	04/19/2023		05/07/23	52.33
Invoice: 532191							PW/PLASTIC BUCKET 5G, PLASTIC LID			
					52.33	73421355 531100	WIN COLL-SUPPLIES			
					262874	532241	04/20/2023		05/07/23	90.58
Invoice: 532241							PW/LED BULB BR30, LED 100W			
					90.58	73011755 531100	O&M-COMMONS SUPPLIES			
					262919	532541	04/24/2023		05/07/23	33.37
Invoice: 532541							PW/CAP 1" SLIP, ELEC TAPE, DRIVE GUIDE SET 14PC			
					33.37	73425358 531100	O&M-WWTP-SUPPLIES			
					262920	532561	04/24/2023		05/07/23	17.46
Invoice: 532561							PW/25PC HEX KEY SET			
					17.46	73111427 531100	OFFICE SUPPLIES			
					263027	532811	04/27/2023		05/07/23	43.61
Invoice: 532811							PW/DAWN ULTRA, WHITE VINEGAR, CLEANER			
					43.61	73421355 531100	WIN COLL-SUPPLIES			
					263028	532901	04/27/2023		05/07/23	349.43
Invoice: 532901							PW/M18 BL HMR DRL KIT 1/2"			
					349.43	73411345 531100	OFFICE SUPPLIES			
							CHECK	2165 TOTAL:		724.60

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
							INVOICE DTL DESC			
2166	05/10/2023	EFT	8395	INTUITIVE CONTROL SY	262996	SIN036513	04/24/2023		05/07/23	1,092.00
	Invoice: SIN036513						POL/TRAFFIC SUITE SUPPORT			
					1,092.00	51011217 548500	PD-C/E-PARKING ENF-COMP SUPPOR			
							CHECK	2166 TOTAL:		1,092.00
2167	05/10/2023	EFT	8991	ALLIANCE 2020, INC	263064	5844362	04/30/2023		05/07/23	661.12
	Invoice: 5844362						HR/BACKGROUND CHECKS			
					661.12	33011161 541100	HR-C/E-PROF SVCS			
							CHECK	2167 TOTAL:		661.12
2168	05/10/2023	EFT	1258	ALPINE PRODUCTS INC	263029	TM-215870	04/26/2023		05/07/23	385.70
	Invoice: TM-215870						PW/GREEN WATER BORNE PAINT - 5 GAL PAIL X10			
					385.70	73111264 531100	O&M-STREET-TRAF CONTROL-SUPPLY			
							CHECK	2168 TOTAL:		385.70
2169	05/10/2023	EFT	4710	ASSOCIATED PETROLEU	262921	23-806571	04/19/2023		05/07/23	2,457.08
	Invoice: 23-806571						PW/DIESEL AND REGULAR FUEL			
					401.15	73638893 532000	O&M-FUEL USE-ALLOCATION			
					2,055.93	73638932 532000	O&M-FUEL ALLOC TO OTH DEPTS			
					262940	23-801287	04/12/2023		05/07/23	5,130.50
	Invoice: 23-801287						PW/DIESEL AND REGULAR FUEL			
					2,342.92	73638893 532000	O&M-FUEL USE-ALLOCATION			
					2,787.58	73638932 532000	O&M-FUEL ALLOC TO OTH DEPTS			
					263031	23-811740	04/26/2023		05/07/23	2,860.75
	Invoice: 23-811740						PW/DIESEL AND REGULAR FUEL			
					872.24	73638893 532000	O&M-FUEL USE-ALLOCATION			
					1,988.51	73638932 532000	O&M-FUEL ALLOC TO OTH DEPTS			
							CHECK	2169 TOTAL:		10,448.33
2170	05/10/2023	EFT	7821	ARAMARK	262922	5120187698	02/16/2023		05/07/23	80.63
	Invoice: 5120187698						PW/COAT LAB SPUN, COVR FR			
					80.63	73638893 589310	LAUNDRY SERVICES			
					262923	5120192259	02/23/2023		05/07/23	53.79
	Invoice: 5120192259						PW/COVR COTTON TWILL, COVR FR			
					53.79	73638893 589310	LAUNDRY SERVICES			
					262924	5120196312	03/02/2023		05/07/23	53.79
	Invoice: 5120196312						PW/COAT LAB SPUN, COVR FR			
					53.79	73638893 589310	LAUNDRY SERVICES			

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
							INVOICE DTL DESC			
					262927	5120200980	03/09/2023		05/07/23	53.79
Invoice: 5120200980							PW/COVR COTTON TWILL, COVR FR			
					53.79	73638893 589310	LAUNDRY SERVICES			
					262928	5120204986	03/16/2023		05/07/23	56.41
Invoice: 5120204986							PW/COVR COTTON TWILL, COVR FR			
					56.41	73638893 589310	LAUNDRY SERVICES			
					262929	5120209741	03/23/2023		05/07/23	56.41
Invoice: 5120209741							PW/COVR COTTON TWILL, COVR FR			
					56.41	73638893 589310	LAUNDRY SERVICES			
					262930	5120218657	04/06/2023		05/07/23	56.41
Invoice: 5120218657							PW/COVERALL LS COTTON, COVERALL FR			
					56.41	73638893 589310	LAUNDRY SERVICES			
					262931	5120222426	04/13/2023		05/07/23	56.41
Invoice: 5120222426							PW/COVERALL LS COTTON, COVERALL FR			
					56.41	73638893 589310	LAUNDRY SERVICES			
					262932	5120226997	04/20/2023		05/07/23	56.41
Invoice: 5120226997							PW/COVERALL LS COTTON, COVERALL FR			
					56.41	73638893 589310	LAUNDRY SERVICES			
					263032	5120214152	03/30/2023		05/07/23	56.41
Invoice: 5120214152							PW/COVERALL LS COTTON, COVERALL FR			
					56.41	73638893 589310	LAUNDRY SERVICES			
					263033	5120231240	04/27/2023		05/07/23	56.41
Invoice: 5120231240							PW/COVERALL LS COTTON, COVERALL FR			
					56.41	73638893 589310	LAUNDRY SERVICES			
							CHECK	2170 TOTAL:		636.87
2171	05/10/2023	EFT	2138	ASPECT CONSULTING LL	262875	51007	04/14/2023		05/07/23	3,436.00
Invoice: 51007							PW/SANDS AVE WELL EVAL, PLANNING,			
					3,436.00	73411345 54110001183	SANDS AVE WELL REHAB-PROF SVCS			
					263034	51169	04/19/2023		05/07/23	2,059.50
Invoice: 51169							ENG/THIRD PARTY REVIEW HILL SFR-BLD27183			
					2,059.50	72655860 58600000370	GEO TECCH-3RD PARTY REVIEWS			
							CHECK	2171 TOTAL:		5,495.50
2172	05/10/2023	EFT	1159	AUTOGLASS PLUS INC	262877	WO B0047658	04/13/2023		05/07/23	416.54
Invoice: WO B0047658							PW/2019 F250 WINDSHIELD REPLACEMENT			
					416.54	73637960 53110000905	2018 P/U-50%ST/50% GF-SUPPLIES			

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
						INVOICE DTL DESC				
							CHECK	2172 TOTAL:		416.54
2173	05/10/2023	EFT	4365	AUTOMATIC FUNDS TRAN	262987	126951	04/12/2023		05/07/23	13.96
	Invoice: 126951						FIN/FINAL BILL: PRINT AND MAIL			
					2.78	43411341 541100	FIN - WATER ADMIN PROF SERVICE			
					2.78	43421351 541100	FIN - SEWER ADMIN PROF SERVICE			
					4.20	91411891 542500	GG-WTR-FAC-POSTAGE			
					4.20	91421891 542500	GG-SWR-FAC-POSTAGE			
							CHECK	2173 TOTAL:		13.96
2174	05/10/2023	EFT	10169	DEWITT, BARBARA ANN	263103	105	04/27/2023		05/07/23	220.00
	Invoice: 105						EX/BLS TRAINING FOR CITY STAFF			
					220.00	31011256 443410	EX-GF-EMERG PREP-TRAINING			
					263104	107	04/29/2023		05/07/23	550.00
	Invoice: 107						EX/BLS TRAINING FOR VOLUNTEERS			
					550.00	31011256 443410	EX-GF-EMERG PREP-TRAINING			
							CHECK	2174 TOTAL:		770.00
2175	05/10/2023	EFT	55	SOUND PUBLISHING, IN	262933	BIR974595	04/14/2023		05/07/23	46.75
	Invoice: BIR974595						ENG/2022 ANNUAL DRAINAGE COMPLETED			
					46.75	72431835 54400001205	2022 ANNUAL DRAIN PRGM-ADV			
					263035	BIR975177	04/21/2023		05/07/23	83.58
	Invoice: BIR975177						PCD/LUND PLACE PLN52494 PUBLIC HEARING			
					83.58	63470586 544000	CUR-DEV-ZONING-ADV			
					263062	BIR974827	04/14/2023		05/07/23	192.67
	Invoice: BIR974827						ENG/PAVEMENT MANAGEMENT PLAN AD			
					192.67	72111444 54400001278	FIVE YEAR PAVEMENT PLAN-ADV			
							CHECK	2175 TOTAL:		323.00
2176	05/10/2023	EFT	8889	BAINBRIDGE ARTISAN R	263066	38174	04/28/2023		05/07/23	3,737.30
	Invoice: 38174						EX/2022-23 CULTURAL FUNDING CONTR			
					3,737.30	31011732 54110000297	EX-GF-CULTURAL ARTS & SCIENCES			
							CHECK	2176 TOTAL:		3,737.30
2177	05/10/2023	EFT	45	BAINBRIDGE ISLAND CH	262882	04/20/2023	04/20/2023		05/07/23	12.00
	Invoice: 04/20/2023						POL/PARKING REFUND			
					12.00	01136 362500	FAC & PARKING RENTAL-LONG TERM			

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
						INVOICE DTL DESC				
							CHECK	2177 TOTAL:		12.00
2178	05/10/2023	EFT	50	BAINBRIDGE ISLAND EL	262878	20230016	04/13/2023		05/07/23	2,492.92
Invoice: 20230016						PW/INSTALL OUTLET IN PW SHOP LUNCHROOM				
					2,492.92	73011897 548100 O&M-C/E-PWYD FAC-REPAIRS				
					262992	PAYREQ1-FINAL-01195	04/26/2023		05/07/23	36,879.00
Invoice: PAYREQ1-FINAL-01195						ENG/CITY HALL VISITOR PARKING LOT				
					36,879.00	72011821 54810001195 CH VISITOR CHG STATION-CONSTR				
					263071	PAYREQ6-00818, 00821	05/01/2023		05/07/23	22,819.80
Invoice: PAYREQ6-00818, 00821						ENG/SCADA UPGRADES - 00818 AND 008				
					2,917.60	72413434 66300000818 SCADA UPGRADES WTR CONSTRUC				
					19,902.20	72423434 66300000821 SWR-SCADA UPGRADES-CONSTR				
							CHECK	2178 TOTAL:		62,191.72
2179	05/10/2023	EFT	2265	BAINBRIDGE ISLAND LO	262879	1006	03/31/2023		05/07/23	10,790.21
Invoice: 1006						2023 LTAC CONTRACT (DESTINATIO				
					10,790.21	91140573 541100 GG-TOUR-PROF SERVICES				
							CHECK	2179 TOTAL:		10,790.21
2180	05/10/2023	EFT	8595	BRUCE TITUS FORD, IN	262934	67134845	04/24/2023		05/07/23	89.24
Invoice: 67134845						POL/2020 FORD INTERCEPTOR OIL CHANGE, RECALL				
					89.24	53011212 548100 POLICE - C/E PATROL MAINTENANC				
							CHECK	2180 TOTAL:		89.24
2181	05/10/2023	EFT	2495	CH2O INTERNATIONAL	262884	332252	04/13/2023		05/07/23	270.27
Invoice: 332252						PW/CITY HALL SERVICE VISIT				
					270.27	73011183 54810000707 CH HVAC-REPAIRS				
							CHECK	2181 TOTAL:		270.27
2182	05/10/2023	EFT	104	CITY OF BREMERTON	262885	BPD0002978	04/12/2023		05/07/23	400.00
Invoice: BPD0002978						POL/RANGE RENTAL				
					400.00	53011212 545000 POLICE - C/E PATROL RENTS				
							CHECK	2182 TOTAL:		400.00
2183	05/10/2023	EFT	8435	COATES DESIGN INC	262994	125528	03/17/2023		05/07/23	17,274.37
Invoice: 125528						ENG/POLICE & COURT FACILITY - PROJ				
					17,274.37	72311942 64110000724 PD/COURT BLDG-PROF SVCS/DESIGN				

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
									CHECK 2183 TOTAL:	17,274.37
2184	05/10/2023	EFT	9323	CONSOR NORTH AMERICA	262886	N223434WA.00-11	04/21/2023		05/07/23	34,198.17
Invoice: N223434WA.00-11							ENG/WINSLOW WATER TANK DESIGN SERV			
					34,198.17	72413434 64110000988	NEW WATER TANKS-PROF SVCS			
									CHECK 2184 TOTAL:	34,198.17
2185	05/10/2023	EFT	142	COPIERS NORTHWEST IN	262825	INV2634340	04/18/2023		05/07/23	229.00
Invoice: INV2634340							IT,PCD,ENG/SUPPLIES OCE PLOTTER-PRINTER			
					76.33	81011881 531100	IT - C/E SUPPLIES			
					76.34	61011581 531100	PCD - C/E ADMIN SUPPLIES			
					76.33	72011321 531100	ENG - C/E ADMIN SUPPLIES			
					262935	INV2636626	04/24/2023		05/07/23	863.71
Invoice: INV2636626							EX,FIN/COPIER LEASE			
					431.85	31011131 545000	EX-GF-RENTS & LEASES			
					431.86	41011141 545000	FIN-GF-RENTS & LEASES			
									CHECK 2185 TOTAL:	1,092.71
2186	05/10/2023	EFT	6363	LN CURTIS & SONS	262887	INV695773	04/17/2023		05/07/23	785.74
Invoice: INV695773							POL/UNIFORMS/BUONVINO			
					785.74	53011212 520000	POLICE - C/E PATROL BENEFITS			
									CHECK 2186 TOTAL:	785.74
2187	05/10/2023	EFT	7144	DTMICRO, INC	262846	6760	04/15/2023		05/07/23	136.50
Invoice: 6760							ITERNET CONNECTION BETWEEN POLICE AND COURT			
					136.50	91011215 542100	GG-C/E-PD-PHONE			
									CHECK 2187 TOTAL:	136.50
2188	05/10/2023	EFT	10110	ENERSPECT MEDICAL SO	263106	15192	03/30/2023		05/07/23	398.02
Invoice: 15192							EX/BLEEDING CONTROL KITS			
					398.02	31011256 531100	EX-GF-EMERG PREP-SUPPLIES			
									CHECK 2188 TOTAL:	398.02
2189	05/10/2023	EFT	5781	EXTERMINATION SERVIC	262826	44624	04/13/2023		05/07/23	95.00
Invoice: 44624							PW/EXTERMINATION SERVICES APR 2023 BIPD			
					95.00	73011215 548100	O&M-C/E-POLICE FAC-REPAIRS			
					262894	44682	04/20/2023		05/07/23	364.73
Invoice: 44682							PW/WWTP APRIL PEST CONTROL			
					364.73	73425358 548100	O&M-WWTP-REPAIRS			

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
						INVOICE DTL DESC				
							CHECK	2189	TOTAL:	459.73
2190	05/10/2023	EFT	705	FCS GROUP	263068	3552-22304065	04/21/2023		05/07/23	7,584.55
Invoice: 3552-22304065						ENG/WATER AND SEWER UTILITY RATE S				
					3,792.28	72411342 54110000923 WATER RATE STUDY-PROF SVCS				
					3,792.27	72421352 54110000923 SEWER RATE STUDY-PROF SVCS				
							CHECK	2190	TOTAL:	7,584.55
2191	05/10/2023	EFT	10027	FEHR & PEERS	262953	164197	04/18/2023		05/07/23	9,135.00
Invoice: 164197						ENG,EX/SUSTAINABLE TRANSPORTATION EMI				
					1,480.00	72111444 54110001219 TRAFFIC IMPACT FEE UPDATE-PS				
					7,655.00	31011492 54110001195 CAP-TRANSP & FUELS-PROF SVCA				
							CHECK	2191	TOTAL:	9,135.00
2192	05/10/2023	EFT	8520	FRANCISCAN MEDICAL G	263069	OMF6 JAN23	02/15/2023		05/07/23	746.00
Invoice: OMF6 JAN23						POL,PW/OCCUPATIONAL HEALTH TESTING				
					696.00	53011212 541100 POLICE - C/E PATROL PROF SVCS				
					50.00	73637891 541100 PROFESSIONAL SERVICES				
							CHECK	2192	TOTAL:	746.00
2193	05/10/2023	EFT	4161	HERRERA ENVIRONMENTA	263063	53390	04/13/2023		05/07/23	20,950.26
Invoice: 53390						ENG/STORMWATER SYSTEM PLAN				
					20,950.26	72431832 54110001031 ISLANDWIDE SSWM STUDY-PROF SVC				
							CHECK	2193	TOTAL:	20,950.26
2194	05/10/2023	EFT	268	HOUSING RESOURCES BA	262897	12603	04/18/2023		05/07/23	10,000.00
Invoice: 12603						EX/2023-24 HUMAN SERVICES FUNDING				
					10,000.00	31017510 54130600297 HOMESHARE/HOME FINDING/OWNERSH				
							CHECK	2194	TOTAL:	10,000.00
2195	05/10/2023	EFT	268	HOUSING RESOURCES BO	262954	12602	04/18/2023		05/07/23	27,366.28
Invoice: 12602						EX/2023-24 HUMAN SERVICES FUNDING				
					27,366.28	31017510 54130100297 INDEPENDENT LIVING PRGM				
					263101	12639	05/01/2023		05/07/23	700.00
Invoice: 12639						EX/2023 IRA SITE ASSESSMENT 301 MADRONA WAY NE				
					700.00	31180592 54130400297 IMHP SPACE RENT DEFAULT				

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
							INVOICE DTL DESC			
							CHECK		2195 TOTAL:	28,066.28
2196	05/10/2023	EFT	7184	ISLAND VOLUNTEER CAR	262955	Q1-2023	04/24/2023		05/07/23	7,500.00
Invoice: Q1-2023							EX/2023-24 HUMAN SERVICES FUNDING			
					7,500.00	31017690 54110200297	ISLAND VOLUNTEER CAREGIVERS			
							CHECK		2196 TOTAL:	7,500.00
2197	05/10/2023	EFT	8546	KITSAP 911 PUBLIC AU	262898	BIPD2023-05	04/15/2023		05/07/23	9,034.08
Invoice: BIPD2023-05							POL/CALL CENTER SERVICES			
					6,323.86	53011286 551000	POLICE - C/E PATROL CENCOM			
					2,710.22	52011286 551000	POLICE - C/E - INVEST CENCOM			
							CHECK		2197 TOTAL:	9,034.08
2198	05/10/2023	EFT	5607	LMN ARCHITECTS	262995	63357	03/26/2023		05/07/23	59,844.99
Invoice: 63357							PCD/WINSLOW SUBAREA PLAN UPDATE			
					59,844.99	64011586 54110001242	WINSLOW SUBAREA PLAN-PROF SVCS			
							CHECK		2198 TOTAL:	59,844.99
2199	05/10/2023	EFT	5717	MAKERS ARCHITECTURE	262956	2257-2	04/20/2023		05/07/23	6,756.45
Invoice: 2257-2							EX/ELEC VEHICLE OPTIONS/FACILITY			
					6,756.45	31011492 54110001195	CAP-TRANSP & FUELS-PROF SVCA			
							CHECK		2199 TOTAL:	6,756.45
2200	05/10/2023	EFT	2430	OGDEN MURPHY WALLACE	263043	874179	04/21/2023		05/07/23	78,910.77
Invoice: 874179							LEGAL/PROFESSIONAL SERVICES MARCH 2023			
					26,883.02	32011152 54111101156	LIT-NEAL PRA SUIT			
					112.50	32470152 54111101240	LIT-RICH (SUP. CT.)			
					150.00	32011152 54111101250	LIT-WOOD VS COBI (PCHB)			
					120.00	32011545 54111101265	LIT-ARIEL SCHULTZ-PCHB APPEAL			
					562.50	32011152 54111001046	LGL-PSE FRANCHISE			
					2,610.00	32011152 54111001131	ETHICS BOARD LEGAL ADVISOR			
					6,480.00	32011541 54111001270	GEN'L PRR WORK-OUTSIDEATTORNEY			
					34,935.30	32011541 54111001266	INTERIM CITY ATTORNEY			
					5,669.95	32470152 54111100897	PRES RESP SHORE(CT OF APPEALS)			
					75.00	32470152 54111401255	HEX-STETSON RIDGE HOA (OMW)			
					1,312.50	32011541 54111001267	PUBLIC DEFENSE STANDARDS			
							CHECK		2200 TOTAL:	78,910.77
2201	05/10/2023	EFT	9650	PAPE MACHINERY INC	262847	14343076	04/13/2023		05/07/23	200.74
Invoice: 14343076							PW/FILTER ELEM X4			
					200.74	73111427 531100	OFFICE SUPPLIES			

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
							INVOICE DTL DESC			
					262848	14343539	04/13/2023		05/07/23	956.80
	Invoice: 14343539						PW/ STIHL HP ULT, APRON CHAPS, FULL WRAP			
					956.80	73111427 531100	OFFICE SUPPLIES			
					262849	14344992	04/13/2023		05/07/23	89.01
	Invoice: 14344992						PW/20" BAR ST, SLEEVE			
					89.01	73111427 531100	OFFICE SUPPLIES			
					262850	14344984	04/13/2023		05/07/23	-59.01
	Invoice: 14344984						PW/20" BAR SN 3 RETURN CREDIT			
					-59.01	73111427 531100	OFFICE SUPPLIES			
					262903	14343590	04/20/2023		05/07/23	445.92
	Invoice: 14343590						PW/FULL WRAP 36", 40", 32"			
					445.92	73111290 531100	O&M-STREET-MAINT O/H-SUPPLIES			
							CHECK	2201 TOTAL:		1,633.46
2202	05/10/2023	EFT	9650	PAPE MACHINERY INC	262902	14338344	04/12/2023		05/07/23	423.09
	Invoice: 14338344						PW/AT325421 GAS OPERATED CY			
					211.55	73111423 531100	OFFICE SUPPLIES			
					211.54	73111427 531100	OFFICE SUPPLIES			
					262904	14343758	04/19/2023		05/07/23	447.81
	Invoice: 14343758						PW/01-75000-001B WATER SYSTEM			
					447.81	73111427 531100	OFFICE SUPPLIES			
							CHECK	2202 TOTAL:		870.90
2203	05/10/2023	EFT	448	PARAMETRIX INC	262851	44118	04/18/2023		05/07/23	19,233.73
	Invoice: 44118						ENG/POLICE AND MUNICIPAL COURT PSA			
					19,233.73	72311942 64110000724	PD/COURT BLDG-PROF SVCS/DESIGN			
							CHECK	2203 TOTAL:		19,233.73
2204	05/10/2023	EFT	8613	BAINBRIDGE ISLAND PA	262952	3943	12/31/2022		05/07/23	4,000.00
	Invoice: 3943						BIJAEMA FILM PROJECT			
					4,000.00	91140573 541100	GG-TOUR-PROF SERVICES			
							CHECK	2204 TOTAL:		4,000.00
2205	05/10/2023	EFT	5646	PERTEET INC	262865	20220099.0000-7	04/13/2023		05/07/23	12,552.59
	Invoice: 20220099.0000-7						ENG/EH PH I - PRELIMINARY DESIGN			
					12,552.59	72334562 64110000968	C40-EAGLE HARBOR PH1-PROF SVCS			

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
				INVOICE DTL DESC						
								CHECK	2205 TOTAL:	12,552.59
2206	05/10/2023	EFT	617	S & B INC	263045	26388A	04/26/2023		05/07/23	3,898.44
	Invoice: 26388A						PW/REPLACED FAILED W-3 WATER VFD HIDDEN COVE RD			
					3,898.44	73425358 548100	O&M-WWTP-REPAIRS			
					263073	26208E	04/27/2023		05/07/23	3,312.04
	Invoice: 26208E						ENG/WATER/SEWER TELEMETRY SCADA UP			
					91.08	72413434 64110000818	SCADA UPGRADES WTR PRF SVC			
					3,220.96	72423434 64110000821	SWR-SCADA UPGRADES-PROF SVCS			
								CHECK	2206 TOTAL:	7,210.48
2207	05/10/2023	EFT	1670	SEATTLE PUMP & EQUIP	262906	241597-1	04/14/2023		05/07/23	201.17
	Invoice: 241597-1						PW/5000 PSI HIGH PRESSURE HOSE, CRIMP ENDS			
					201.17	73638935 531100	O&M-STD ALLOCATION-SUPPLIES			
								CHECK	2207 TOTAL:	201.17
2208	05/10/2023	EFT	8132	SPECTRA LABORATORIES	262852	23-02583	04/17/2023		05/07/23	23.00
	Invoice: 23-02583						PW/TOTAL COLI FORM, E COLI TESTING			
					23.00	73011897 54110000391	LAB SVCS-PWY FAC			
					262853	23-02584	04/17/2023		05/07/23	69.00
	Invoice: 23-02584						PW/TOTAL COLIFORM, E COLI TESTING			
					69.00	73411345 54110000391	LAB SVCS-WATER			
					262907	23-02808	04/24/2023		05/07/23	69.00
	Invoice: 23-02808						PW/TOTAL COLIFORM, E COLI TESTING			
					69.00	73411345 54110000391	LAB SVCS-WATER			
					262908	23-02730	04/20/2023		05/07/23	69.00
	Invoice: 23-02730						PW/FLOURIDE TESTING			
					69.00	73411345 54110000391	LAB SVCS-WATER			
					262909	23-02809	04/24/2023		05/07/23	23.00
	Invoice: 23-02809						PW/TOTAL COLIFORM, E COLI TESTING			
					23.00	73415345 54110000391	LAB SVCS-WATER ROCKAWAY			
					262944	23-02852	04/25/2023		05/07/23	23.00
	Invoice: 23-02852						PW/FLUORIDE TESTING			
					23.00	73415345 54110000391	LAB SVCS-WATER ROCKAWAY			
								CHECK	2208 TOTAL:	276.00
2209	05/10/2023	EFT	5730	SUMMIT LAW GROUP	262854	144809	04/19/2023		05/07/23	1,794.00
	Invoice: 144809						LEGAL/PROFESSIONAL SERVICES MAR 2023			
					1,794.00	32011152 54111000870	LGL-HR (NON-BARGAINING)			

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
							INVOICE DTL DESC			
					262855	144810	04/19/2023		05/07/23	7,449.00
					Invoice: 144810		LEGAL/PROFESSIONAL SERVICES MAR 2023			
					7,449.00	32011152 54111000274	LGL-LABOR NEGOTIATIONS			
							CHECK	2209 TOTAL:		9,243.00
2210	05/10/2023	EFT	4271	JOHN SUTTON	262856	Q1-2023	04/13/2023		05/07/23	494.70
					Invoice: Q1-2023		Q1 2023 LEOFF MEDICAL REIMBURSEMENT			
					494.70	91029720 521500	POLICE - INS ADD MEDICAL COSTS			
							CHECK	2210 TOTAL:		494.70
2211	05/10/2023	EFT	565	TACOMA SCREW PRODUCT	262918	140075058-00	04/19/2023		05/07/23	20.88
					Invoice: 140075058-00		PW/HEX WASHER HEAD SELF-DRILLING SCREWS - ZINC			
					20.88	73638935 531100	O&M-STD ALLOCATION-SUPPLIES			
							CHECK	2211 TOTAL:		20.88
2212	05/10/2023	EFT	1152	USA BLUE BOOK	262946	318392	04/03/2023		05/07/23	1,947.08
					Invoice: 318392		PW/PRESSURE RELIEF VALVE PVC, GAUGE			
					1,947.08	73425358 531100	O&M-WWTP-SUPPLIES			
					262947	329624	04/13/2023		05/07/23	1,148.59
					Invoice: 329624		PW/HACH M-FC BROTH IN PLASTIC, PH BUFFER			
					1,148.59	73425358 531100	O&M-WWTP-SUPPLIES			
					262948	338240	04/17/2023		05/07/23	107.46
					Invoice: 338240		PW/RICCA PH 6.00 BUFFER 4L			
					107.46	73425358 531100	O&M-WWTP-SUPPLIES			
							CHECK	2212 TOTAL:		3,203.13
2213	05/10/2023	EFT	4500	DEPARTMENT OF COMMER	263078	PWTF-253931	04/28/2023		05/07/23	21,047.07
					Invoice: PWTF-253931		LOAN PR08-951-104 EHBM DESIGN			
					20,434.05	91422235 77800000471	BEACH MAIN REPL DES-PWTF PRIN			
					613.02	91422923 78300000471	BEACH MAIN REPL DES-PWTF INT			
					263079	PWTF-254994	04/28/2023		05/07/23	300,475.00
					Invoice: PWTF-254994		LOAN PW-04-691-002 SIS			
					297,500.00	91422235 77800000279	LID20 MAINT/OPS-FIN-PWTF PRIN			
					2,975.00	91422923 78300000279	LID20 MAINT/OPS-FIN-PWTF INT			
					263080	PWTF-256720	04/28/2023		05/07/23	41,775.27
					Invoice: PWTF-256720		LOAN PW-05-691-001 DECANT FAC CONSTR			
					41,157.90	91432238 77800000176	DECANT FAC-PRINCIPLE PWTF LOAN			
					617.37	91432923 78300000176	DECANT FAC-INTEREST-PWTF LOAN			

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
						INVOICE DTL DESC				
					263081	PWTF-257458	04/28/2023		05/07/23	27,924.55
Invoice: PWTF-257458						LOAN PE08-951-075 DEC 2007 STORMS				
					23,664.87	91242142 778000 GG-2008PWTF-I/GPRIN-DEC07STORM				
					4,259.68	91242242 783000 GG-2008PWTF-INT-DEC07 STORMS				
					263082	PWTF-257589	04/28/2023		05/07/23	21,298.38
Invoice: PWTF-257589						LOAN PW04-691-PRE-108 WWTP DESIGN				
					21,087.50	91422235 77800000036 PRIN PYMT PWTF-WWTP PE				
					210.88	91422923 78300000036 INTEREST EXP PWTF-WWTP PE				
					263083	PWTF-258425	04/28/2023		05/07/23	213,782.63
Invoice: PWTF-258425						LOAN PW-05-691-002 WWTP CONSTR #1				
					210,623.28	91422235 77800000086 WWTP CONSTR-PRIN-PWTF				
					3,159.35	91422923 78300000086 WWTP 2011 LTGO & 2PWTF INT EXP				
					263084	PWTF-259916	04/28/2023		05/07/23	204,008.21
Invoice: PWTF-259916						LOAN PW-06-962-004 WWTP CONSTR #2				
					200,008.05	91422235 77800000086 WWTP CONSTR-PRIN-PWTF				
					4,000.16	91422923 78300000086 WWTP 2011 LTGO & 2PWTF INT EXP				
					263085	PWTF-260398	04/28/2023		05/07/23	9,640.51
Invoice: PWTF-260398						LOAN PW-04-691-PRE-107 DECANT FAC DESIGN				
					9,545.06	91432238 77800000176 DECANT FAC-PRINCIPLE PWTF LOAN				
					95.45	91432923 78300000176 DECANT FAC-INTEREST-PWTF LOAN				
					263087	PWTFNT-355258	04/28/2023		05/07/23	190,170.48
Invoice: PWTFNT-355258						LOAN PC13-961-046 EHBM CONSTR				
					185,532.18	91422235 77800000471 BEACH MAIN REPL DES-PWTF PRIN				
					4,638.30	91422923 78300000471 BEACH MAIN REPL DES-PWTF INT				
					263089	PWTFNT-421517	04/28/2023		05/07/23	28,517.97
Invoice: PWTFNT-421517						LOAN PC22-96103-061 WINSLOW WTR TANK				
					26,157.94	91412134 77880200988 NEW WATER TANKS-PWTF PRIN				
					2,360.03	91412923 78380200988 NEW WATER TANKS-PWTF INT				
					263090	PWTFNT-422237	04/28/2023		05/07/23	27,121.59
Invoice: PWTFNT-422237						LOAN PC22-96103-057 WEH SEWER COMPLEX				
					24,093.97	91422235 778802 SWR-PRIN REDEMP-PWTF LOAN				
					3,027.62	91422923 783802 SWR-INT-PWTF LOAN				
								CHECK	2213 TOTAL:	1,085,761.66
2214	05/10/2023	EFT	9953	WEAVE	262957	051	04/24/2023		05/07/23	4,860.00
Invoice: 051						EX/2022-23 CULTURAL FUNDING CONTR				
					4,860.00	31011732 54110000297 EX-GF-CULTURAL ARTS & SCIENCES				
								CHECK	2214 TOTAL:	4,860.00

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
							INVOICE DTL DESC			
2215	05/10/2023	EFT	499	WESTBAY AUTO PARTS I	262861	785446	04/13/2023		05/07/23	72.12
Invoice: 785446							PW/NAPA GOLD AIR FILTER X2			
					72.12	73638935 531100	O&M-STD ALLOCATION-SUPPLIES			
					262862	785513	04/13/2023		05/07/23	67.36
Invoice: 785513							PW/ADAPTER BRG HOUSING			
					67.36	73111427 531100	OFFICE SUPPLIES			
					262863	785708	04/14/2023		05/07/23	85.25
Invoice: 785708							PW/NAPAGOLD OIL, AIR FILTERS			
					85.25	73638935 531100	O&M-STD ALLOCATION-SUPPLIES			
					262913	786697	04/19/2023		05/07/23	226.74
Invoice: 786697							PW/BLUE DEF 2.5 GAL, NAPAGOLD OIL FILTER			
					226.74	73638935 531100	O&M-STD ALLOCATION-SUPPLIES			
					262914	786849	04/20/2023		05/07/23	17.80
Invoice: 786849							PW/OIL FILTER, AIR FILTER			
					17.80	73638935 531100	O&M-STD ALLOCATION-SUPPLIES			
					262915	786984	04/20/2023		05/07/23	7.99
Invoice: 786984							PW/RADIATOR CAP			
					7.99	73638935 531100	O&M-STD ALLOCATION-SUPPLIES			
					262916	787140	04/21/2023		05/07/23	13.42
Invoice: 787140							PW/NAPAGOLD OIL FILTER, RADIATOR CAP			
					13.42	73638935 531100	O&M-STD ALLOCATION-SUPPLIES			
					262950	787185	04/21/2023		05/07/23	58.74
Invoice: 787185							PW/ADAPTER BRG HOUSING			
					58.74	73638935 531100	O&M-STD ALLOCATION-SUPPLIES			
					262951	787445	04/24/2023		05/07/23	14.12
Invoice: 787445							PW/FUEL FILTER PROSELECT, CAPSULE			
					14.12	73638935 531100	O&M-STD ALLOCATION-SUPPLIES			
					263049	788007	04/26/2023		05/07/23	67.21
Invoice: 788007							PW/FUEL FILTER, OIL FILTER, AIR FILTER			
					67.21	73638935 531100	O&M-STD ALLOCATION-SUPPLIES			
					263050	788014	04/26/2023		05/07/23	1,745.74
Invoice: 788014							POL/2YR WTY BAT, CORE DEPOSITS X6			
					1,745.74	54025212 531100	MARINE - SUPPLIES			
								CHECK	2215 TOTAL:	2,376.49
2216	05/10/2023	EFT	10240	WIEGAND, ANGELIQUE	263076	04/26/2023	04/26/2023		05/07/23	592.94
Invoice: 04/26/2023							EX/VIETNAMESE INTERPRETER SERVICES			
					592.94	31011492 54110001195	CAP-TRANSP & FUELS-PROF SVCA			

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
						INVOICE DTL DESC				
								CHECK	2216 TOTAL:	592.94
2217	05/10/2023	EFT	7175	WINERY ALLIANCE OF B	262917	1233	04/13/2023		05/07/23	8,042.77
Invoice: 1233					8,042.77	91140573 541100	2023 LTAC CONTRACT (WINE OF TH GG-TOUR-PROF SERVICES			
								CHECK	2217 TOTAL:	8,042.77
						NUMBER OF CHECKS 53		*** CASH ACCOUNT TOTAL ***		1,551,905.88

	COUNT	AMOUNT
TOTAL EFT'S	53	1,551,905.88

*** GRAND TOTAL *** 1,551,905.88

JOURNAL ENTRIES TO BE CREATED

CLERK: jkines

YEAR PER JNL / SRC ACCOUNT / EFF DATE	JNL DESC	REF 1	REF 2	REF 3	ACCOUNT DESC / LINE DESC	T	OB	DEBIT	CREDIT
2023 5 10									
APP 001-213000					GENERAL - ACCOUNTS PAYABLE			268,005.72	
05/10/2023	05/07/23	050323			AP CASH DISBURSEMENTS JOURNAL				
APP 635-111100					CASH				1,551,905.88
05/10/2023	05/07/23	050323			AP CASH DISBURSEMENTS JOURNAL				
APP 402-213000					ACCOUNTS PAYABLE			1,012,421.38	
05/10/2023	05/07/23	050323			AP CASH DISBURSEMENTS JOURNAL				
APP 101-213000					STREETS - ACCOUNTS PAYABLE			4,647.55	
05/10/2023	05/07/23	050323			AP CASH DISBURSEMENTS JOURNAL				
APP 401-213000					ACCOUNTS PAYABLE			73,562.51	
05/10/2023	05/07/23	050323			AP CASH DISBURSEMENTS JOURNAL				
APP 631-213000					ACCOUNTS PAYABLE			12,337.18	
05/10/2023	05/07/23	050323			AP CASH DISBURSEMENTS JOURNAL				
APP 650-213000					ACCOUNTS PAYABLE			2,059.50	
05/10/2023	05/07/23	050323			AP CASH DISBURSEMENTS JOURNAL				
APP 403-213000					ACCOUNTS PAYABLE			72,412.79	
05/10/2023	05/07/23	050323			AP CASH DISBURSEMENTS JOURNAL				
APP 407-213000					ACCOUNTS PAYABLE			5,941.03	
05/10/2023	05/07/23	050323			AP CASH DISBURSEMENTS JOURNAL				
APP 104-213000					CIVIC IMPR - ACCOUNTS PAYABLE			22,832.98	
05/10/2023	05/07/23	050323			AP CASH DISBURSEMENTS JOURNAL				
APP 301-213000					ACCOUNTS PAYABLE			49,060.69	
05/10/2023	05/07/23	050323			AP CASH DISBURSEMENTS JOURNAL				
APP 108-213000					AFFORD HSG - ACCOUNTS PAYABLE			700.00	
05/10/2023	05/07/23	050323			AP CASH DISBURSEMENTS JOURNAL				
APP 201-213000					ACCOUNTS PAYABLE			27,924.55	
05/10/2023	05/07/23	050323			AP CASH DISBURSEMENTS JOURNAL				
					GENERAL LEDGER TOTAL			1,551,905.88	1,551,905.88
APP 631-130000					DUE TO/FROM CLEARING			1,539,568.70	
05/10/2023	05/07/23	050323							
APP 001-130000					GENERAL - DUE TO/FROM CLEARING				268,005.72
05/10/2023	05/07/23	050323							
APP 402-130000					DUE TO/FROM CLEARING				1,012,421.38
05/10/2023	05/07/23	050323							
APP 101-130000					STREETS - DUE TO/FROM CLEARING				4,647.55
05/10/2023	05/07/23	050323							
APP 401-130000					DUE TO/FROM CLEARING				73,562.51
05/10/2023	05/07/23	050323							
APP 650-130000					DUE TO/FROM CLEARING				2,059.50
05/10/2023	05/07/23	050323							
APP 403-130000					DUE TO/FROM CLEARING				72,412.79
05/10/2023	05/07/23	050323							
APP 407-130000					DUE TO/FROM CLEARING				5,941.03
05/10/2023	05/07/23	050323							
APP 104-130000					CIVIC IMPR DUE TO/FROM CLEAR'G				22,832.98

JOURNAL ENTRIES TO BE CREATED

YEAR PER JNL SRC ACCOUNT	EFF DATE	JNL DESC	REF 1	REF 2	REF 3	ACCOUNT DESC / LINE DESC	T	OB	DEBIT	CREDIT
	05/10/2023	05/07/23	050323							
APP 301-130000						DUE TO/FROM CLEARING				49,060.69
	05/10/2023	05/07/23	050323							
APP 108-130000						AFFORD HSG DUE TO/FROM CLEAR'G				700.00
	05/10/2023	05/07/23	050323							
APP 201-130000						DUE TO/FROM CLEARING				27,924.55
	05/10/2023	05/07/23	050323							
						SYSTEM GENERATED ENTRIES TOTAL			1,539,568.70	1,539,568.70
						JOURNAL 2023/05/10 TOTAL			3,091,474.58	3,091,474.58

JOURNAL ENTRIES TO BE CREATED

FUND / ACCOUNT	YEAR	PER	JNL	EFF DATE / ACCOUNT DESCRIPTION	DEBIT	CREDIT
001 GENERAL FUND	2023	5	10	05/10/2023		
001-130000				GENERAL - DUE TO/FROM CLEARING		268,005.72
001-213000				GENERAL - ACCOUNTS PAYABLE	268,005.72	
				FUND TOTAL	268,005.72	268,005.72
101 STREET FUND	2023	5	10	05/10/2023		
101-130000				STREETS - DUE TO/FROM CLEARING		4,647.55
101-213000				STREETS - ACCOUNTS PAYABLE	4,647.55	
				FUND TOTAL	4,647.55	4,647.55
104 CIVIC IMPROVEMENT FUND	2023	5	10	05/10/2023		
104-130000				CIVIC IMPR DUE TO/FROM CLEAR'G		22,832.98
104-213000				CIVIC IMPR - ACCOUNTS PAYABLE	22,832.98	
				FUND TOTAL	22,832.98	22,832.98
108 AFFORDABLE HOUSING FUND	2023	5	10	05/10/2023		
108-130000				AFFORD HSG DUE TO/FROM CLEAR'G		700.00
108-213000				AFFORD HSG - ACCOUNTS PAYABLE	700.00	
				FUND TOTAL	700.00	700.00
201 GO BOND FUND	2023	5	10	05/10/2023		
201-130000				DUE TO/FROM CLEARING		27,924.55
201-213000				ACCOUNTS PAYABLE	27,924.55	
				FUND TOTAL	27,924.55	27,924.55
301 CAPITAL CONSTRUCTION FUND	2023	5	10	05/10/2023		
301-130000				DUE TO/FROM CLEARING		49,060.69
301-213000				ACCOUNTS PAYABLE	49,060.69	
				FUND TOTAL	49,060.69	49,060.69
401 WATER OPERATING FUND	2023	5	10	05/10/2023		
401-130000				DUE TO/FROM CLEARING		73,562.51
401-213000				ACCOUNTS PAYABLE	73,562.51	
				FUND TOTAL	73,562.51	73,562.51
402 SEWER OPERATING FUND	2023	5	10	05/10/2023		
402-130000				DUE TO/FROM CLEARING		1,012,421.38
402-213000				ACCOUNTS PAYABLE	1,012,421.38	
				FUND TOTAL	1,012,421.38	1,012,421.38
403 STORM & SURFACE WATER FUND	2023	5	10	05/10/2023		

JOURNAL ENTRIES TO BE CREATED

FUND / ACCOUNT	YEAR	PER	JNL	EFF DATE	ACCOUNT DESCRIPTION	DEBIT	CREDIT
403-130000					DUE TO/FROM CLEARING		72,412.79
403-213000					ACCOUNTS PAYABLE	72,412.79	
					FUND TOTAL	72,412.79	72,412.79
407 BUILDING & DEVELOPMENT FUND	2023	5	10	05/10/2023			
407-130000					DUE TO/FROM CLEARING		5,941.03
407-213000					ACCOUNTS PAYABLE	5,941.03	
					FUND TOTAL	5,941.03	5,941.03
631 CLEARING FUND	2023	5	10	05/10/2023			
631-130000					DUE TO/FROM CLEARING	1,539,568.70	
631-213000					ACCOUNTS PAYABLE	12,337.18	
635-111100					CASH		1,551,905.88
					FUND TOTAL	1,551,905.88	1,551,905.88
650 AGENCY FUND	2023	5	10	05/10/2023			
650-130000					DUE TO/FROM CLEARING		2,059.50
650-213000					ACCOUNTS PAYABLE	2,059.50	
					FUND TOTAL	2,059.50	2,059.50

JOURNAL ENTRIES TO BE CREATED

FUND		DUE TO	DUE FROM
001	GENERAL FUND		268,005.72
101	STREET FUND		4,647.55
104	CIVIC IMPROVEMENT FUND		22,832.98
108	AFFORDABLE HOUSING FUND		700.00
201	GO BOND FUND		27,924.55
301	CAPITAL CONSTRUCTION FUND		49,060.69
401	WATER OPERATING FUND		73,562.51
402	SEWER OPERATING FUND		1,012,421.38
403	STORM & SURFACE WATER FUND		72,412.79
407	BUILDING & DEVELOPMENT FUND		5,941.03
631	CLEARING FUND	1,539,568.70	
650	AGENCY FUND		2,059.50
	TOTAL	1,539,568.70	1,539,568.70

** END OF REPORT - Generated by Jacob Kines **

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04/20/2023 10:44 | CITY OF BAINBRIDGE ISLAND | P 1
jkines | A/P CASH DISBURSEMENTS JOURNAL | apcshdsb

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
						INVOICE DTL DESC				
360109	04/20/2023	PRTD	551	CENTURYLINK	262810	4953APR23	04/07/2023	M042023		84.99
	Invoice: 4953APR23					210 MADISON AVE SLS TELEM				
					84.99	91421891 542100 GG-SWR-FAC-PHONE				
					262811	5127APR23	04/07/2023	M042023		210.17
	Invoice: 5127APR23					8804 MADISON AVE				
					210.17	71311942 64210000724 PD/COURT BLDG-PHONES/POSTAGE				
					262812	5996APR23	04/07/2023	M042023		112.15
	Invoice: 5996APR23					E-PHONE @ WFP DOCK				
					112.15	91011757 542100 GG-GF-WFP DOCK-PHONE				
					262813	6124APR23	04/16/2023	M042023		58.43
	Invoice: 6124APR23					WEAVER PRV WATER TELEM				
					58.43	91411891 542100 GG-WTR-FAC-PHONE				
								CHECK	360109 TOTAL:	465.74
360110	04/20/2023	PRTD	1205	PUGET SOUND ENERGY	262815	1716MAR23	04/11/2023	M042023		18.70
	Invoice: 1716MAR23					ROCKAWAY INTERITE PRV				
					18.70	91415345 547100 GG-ROCKAWAY BCH-UTILITIES				
					262816	8206MAR23	04/10/2023	M042023		13.43
	Invoice: 8206MAR23					515 FERNCLIFF AVE PRV				
					13.43	91411345 547100 GG-WTR-ELECTRIC				
					262817	220001743	04/18/2023	M042023		863.72
	Invoice: 220001743					APR23 GREEN POWER CONTRACT				
					863.72	91011189 547101 ELECTRIC-GREEN POWER				
								CHECK	360110 TOTAL:	895.85

NUMBER OF CHECKS 2 *** CASH ACCOUNT TOTAL *** 1,361.59

	COUNT	AMOUNT
TOTAL PRINTED CHECKS	2	1,361.59

*** GRAND TOTAL *** 1,361.59

JOURNAL ENTRIES TO BE CREATED

CLERK: jkines

YEAR PER JNL SRC ACCOUNT / EFF DATE	JNL DESC	REF 1	REF 2	REF 3	ACCOUNT DESC / LINE DESC	T	OB	DEBIT	CREDIT
2023 4 157									
APP 402-213000					ACCOUNTS PAYABLE			84.99	
04/20/2023	M042023	042023			AP CASH DISBURSEMENTS JOURNAL				
APP 635-111100					CASH				1,361.59
04/20/2023	M042023	042023			AP CASH DISBURSEMENTS JOURNAL				
APP 301-213000					ACCOUNTS PAYABLE			210.17	
04/20/2023	M042023	042023			AP CASH DISBURSEMENTS JOURNAL				
APP 001-213000					GENERAL - ACCOUNTS PAYABLE			975.87	
04/20/2023	M042023	042023			AP CASH DISBURSEMENTS JOURNAL				
APP 401-213000					ACCOUNTS PAYABLE			90.56	
04/20/2023	M042023	042023			AP CASH DISBURSEMENTS JOURNAL				
					GENERAL LEDGER TOTAL			1,361.59	1,361.59
APP 631-130000					DUE TO/FROM CLEARING			1,361.59	
04/20/2023	M042023	042023							
APP 402-130000					DUE TO/FROM CLEARING				84.99
04/20/2023	M042023	042023							
APP 301-130000					DUE TO/FROM CLEARING				210.17
04/20/2023	M042023	042023							
APP 001-130000					GENERAL - DUE TO/FROM CLEARING				975.87
04/20/2023	M042023	042023							
APP 401-130000					DUE TO/FROM CLEARING				90.56
04/20/2023	M042023	042023							
					SYSTEM GENERATED ENTRIES TOTAL			1,361.59	1,361.59
					JOURNAL 2023/04/157 TOTAL			2,723.18	2,723.18

JOURNAL ENTRIES TO BE CREATED

FUND / ACCOUNT	YEAR	PER	JNL	EFF DATE / ACCOUNT DESCRIPTION	DEBIT	CREDIT
001 GENERAL FUND	2023	4	157	04/20/2023		
001-130000				GENERAL - DUE TO/FROM CLEARING		975.87
001-213000				GENERAL - ACCOUNTS PAYABLE	975.87	
				FUND TOTAL	975.87	975.87
301 CAPITAL CONSTRUCTION FUND	2023	4	157	04/20/2023		
301-130000				DUE TO/FROM CLEARING		210.17
301-213000				ACCOUNTS PAYABLE	210.17	
				FUND TOTAL	210.17	210.17
401 WATER OPERATING FUND	2023	4	157	04/20/2023		
401-130000				DUE TO/FROM CLEARING		90.56
401-213000				ACCOUNTS PAYABLE	90.56	
				FUND TOTAL	90.56	90.56
402 SEWER OPERATING FUND	2023	4	157	04/20/2023		
402-130000				DUE TO/FROM CLEARING		84.99
402-213000				ACCOUNTS PAYABLE	84.99	
				FUND TOTAL	84.99	84.99
631 CLEARING FUND	2023	4	157	04/20/2023		
631-130000				DUE TO/FROM CLEARING	1,361.59	
635-111100				CASH		1,361.59
				FUND TOTAL	1,361.59	1,361.59

JOURNAL ENTRIES TO BE CREATED

FUND		DUE TO	DUE FROM
001	GENERAL FUND		975.87
301	CAPITAL CONSTRUCTION FUND		210.17
401	WATER OPERATING FUND		90.56
402	SEWER OPERATING FUND		84.99
631	CLEARING FUND	1,361.59	
	TOTAL	1,361.59	1,361.59

** END OF REPORT - Generated by Jacob Kines **

JK

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04/27/2023 10:27 | CITY OF BAINBRIDGE ISLAND | P 1
jkines | A/P CASH DISBURSEMENTS JOURNAL | apcshdsb

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
						INVOICE DTL DESC				
360111	04/27/2023	PRTD	6420	AT&T MOBILITY	262867	287287004732X041923	04/11/2023		M042723	3,354.09
Invoice: 287287004732X041923						POL,EOC/WIRELESS CHARGES				
					2,705.42	91011215 542100	GG-C/E-PD-PHONE			
					108.67	31011256 542100	EX-GF-EMERG PREP-PHONE			
					540.00	91011215 548500	GG-C/E-PD-SOFTWARE MAINT			
							CHECK	360111 TOTAL:		3,354.09
360112	04/27/2023	PRTD	10207	FRANCISCO, ELLYZE	262964	04/17/2023	04/17/2023		M042723	150.00
Invoice: 04/17/2023						CTR - INCENTIVE Q1 2023				
					150.00	91011179 512000	GG-C/E-COMMUTE TRIP INCENTIVE			
							CHECK	360112 TOTAL:		150.00
360113	04/27/2023	PRTD	176	WA ST DEPT OF LABOR	262965	2023-Q1	04/26/2023		M042723	92.81
Invoice: 2023-Q1						Q1 2023 L&I VOLUNTEER HOURS				
					.76	72637319 52000000809	WATER QUAL FLOW MONIT-BEN			
					82.72	31011256 520000	EX-GF-EMERG PREP-BEN			
					9.13	55011757 520000	PD-HARBORMASTER-BENEFITS			
					.20	91011176 520000	GG-C/E-WORKERS COMP SVC-ADMIN			
							CHECK	360113 TOTAL:		92.81
						NUMBER OF CHECKS 3	*** CASH ACCOUNT TOTAL ***			3,596.90

	COUNT	AMOUNT
TOTAL PRINTED CHECKS	3	3,596.90

*** GRAND TOTAL *** 3,596.90

JOURNAL ENTRIES TO BE CREATED

CLERK: jkines

YEAR PER JNL SRC ACCOUNT / EFF DATE	JNL DESC	REF 1	REF 2	REF 3	ACCOUNT DESC / LINE DESC	T	OB	DEBIT	CREDIT
2023 4 230									
APP 001-213000					GENERAL - ACCOUNTS PAYABLE			3,596.14	
04/27/2023	M042723	042723			AP CASH DISBURSEMENTS JOURNAL				
APP 635-111100					CASH				3,596.90
04/27/2023	M042723	042723			AP CASH DISBURSEMENTS JOURNAL				
APP 631-213000					ACCOUNTS PAYABLE			.76	
04/27/2023	M042723	042723			AP CASH DISBURSEMENTS JOURNAL				
					GENERAL LEDGER TOTAL			3,596.90	3,596.90
APP 631-130000					DUE TO/FROM CLEARING			3,596.14	
04/27/2023	M042723	042723							
APP 001-130000					GENERAL - DUE TO/FROM CLEARING				3,596.14
04/27/2023	M042723	042723							
					SYSTEM GENERATED ENTRIES TOTAL			3,596.14	3,596.14
					JOURNAL 2023/04/230 TOTAL			7,193.04	7,193.04

JOURNAL ENTRIES TO BE CREATED

FUND / ACCOUNT	YEAR	PER	JNL	EFF DATE	ACCOUNT DESCRIPTION	DEBIT	CREDIT
001 GENERAL FUND	2023	4	230	04/27/2023			
001-130000					GENERAL - DUE TO/FROM CLEARING		3,596.14
001-213000					GENERAL - ACCOUNTS PAYABLE	3,596.14	
					FUND TOTAL	3,596.14	3,596.14
631 CLEARING FUND	2023	4	230	04/27/2023			
631-130000					DUE TO/FROM CLEARING	3,596.14	
631-213000					ACCOUNTS PAYABLE	.76	
635-111100					CASH		3,596.90
					FUND TOTAL	3,596.90	3,596.90

JOURNAL ENTRIES TO BE CREATED

FUND		DUE TO	DUE FROM
001	GENERAL FUND		3,596.14
631	CLEARING FUND	3,596.14	
	TOTAL	3,596.14	3,596.14

** END OF REPORT - Generated by Jacob Kines **



CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
							INVOICE DTL DESC			
360114	05/10/2023	PRTD	10254	BB HOTEL LLC	262838	108301	04/20/2023		05/07/23	94.15
	Invoice: 108301						UB 12315 350 HIGH SCHOOL ROAD NE			
					94.15	411 122100	WATER ACCOUNTS RECEIVABLE			
							CHECK	360114 TOTAL:		94.15
360115	05/10/2023	PRTD	10259	AMERICAN PROPERTY LL	262986	04/26/2023	04/26/2023		05/07/23	43.71
	Invoice: 04/26/2023						2021 B&O TAX REFUND			
					43.71	01131 316100	B&O TAX			
							CHECK	360115 TOTAL:		43.71
360116	05/10/2023	PRTD	47	BAINBRIDGE DISPOSAL	262988	0001320775	04/30/2023		05/07/23	174.00
	Invoice: 0001320775						SENIOR CENTER/COMMONS DISPOSAL SVCS			
					174.00	91011755 547900	GG-C/E-COMMONS-GARBAGE			
					262989	0001320811	04/30/2023		05/07/23	1,873.13
	Invoice: 0001320811						CITYWIDE DISPOSAL SERVICES			
					163.56	91011215 547900	GG-C/E-PD-GARBAGE			
					537.95	91011768 547900	GG-C/E-PARKS-GARBAGE			
					483.75	91425358 547900	GG-WWTP-GARBAGE(NOT BIOSOLIDS)			
					667.45	91011897 547900	GG-C/E-O&M YARD FAC-GARBAGE			
					20.42	91111427 547900	GG-STREET-ROADSIDE-GARBAGE			
					262990	0001320995	04/30/2023		05/07/23	388.21
	Invoice: 0001320995						CITY HALL DISPOSAL SERVICES APR23			
					388.21	91011189 547900	GG-C/E-CITY HALL-GARBAGE			
					262991	0001321049	04/30/2023		05/07/23	348.40
	Invoice: 0001321049						BIG BELLY DISP SERVICES APR23			
					348.40	91011189 547903	BIG BELLY SOLAR GARBAGE CANS			
							CHECK	360116 TOTAL:		2,783.74
360117	05/10/2023	PRTD	54	BAINBRIDGE RENTAL IN	262823	CON91102	04/17/2023		05/07/23	55.58
	Invoice: CON91102						PW/DRIVE SHAFT			
					55.58	73020769 531100	O&M-ROAD ENDS-SUPPLIES			
							CHECK	360117 TOTAL:		55.58
360118	05/10/2023	PRTD	6044	BAINBRIDGE ISLAND PH	262883	04/21/2023	04/21/2023		05/07/23	18.00
	Invoice: 04/21/2023						POL/PARKING REFUND			
					18.00	01136 362500	FAC & PARKING RENTAL-LONG TERM			
							CHECK	360118 TOTAL:		18.00

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
							INVOICE DTL DESC			
360119	05/10/2023	PRTD	7531	BLOMQUIST, RICHARD &	262834	108297	04/20/2023		05/07/23	175.19
	Invoice: 108297						UB 12210 4598 POINT WHITE DRIVE NE			
					175.19	421 122100	SEWER ACCOUNTS RECEIVABLE			
							CHECK	360119 TOTAL:		175.19
360120	05/10/2023	PRTD	1052	CANON FINANCIAL SERV	262824	30329411	04/11/2023		05/07/23	483.51
	Invoice: 30329411						PCD,ENG,IT/LEASE OCE PRINTER-PLOTTER			
					161.17	61011581 545000	PCD - C/E ADMIN RENTS & LEASES			
					161.17	72011321 545000	ENG - C/E ADMIN RENTS & LEASES			
					161.17	81011881 545000	IT - C/E RENTS & LEASES			
							CHECK	360120 TOTAL:		483.51
360121	05/10/2023	PRTD	8253	CHS NORTHWEST	263037	48521H	04/27/2023		05/07/23	457.38
	Invoice: 48521H						PW/SALT BAG EX COARSE 50# X49			
					457.38	73411345 531100	OFFICE SUPPLIES			
							CHECK	360121 TOTAL:		457.38
360122	05/10/2023	PRTD	9908	CINTAS CORPORATION #	263038	5155936429	04/27/2023		05/07/23	17.82
	Invoice: 5155936429						PW/THE COMMONS FIRST AID RESTOCK			
					17.82	73011755 531100	O&M-COMMONS SUPPLIES			
					263039	5155936458	04/27/2023		05/07/23	23.42
	Invoice: 5155936458						CITY HALL FIRST AID RESTOCK			
					23.42	91011183 531100	GG-C/E-CH CLEANING-SUPPLIES			
							CHECK	360122 TOTAL:		41.24
360123	05/10/2023	PRTD	102	CITY OF BAINBRIDGE I	262993	RETREQ1-FINAL-01195	04/26/2023	20230008	05/07/23	1,941.00
	Invoice: RETREQ1-FINAL-01195						ENG/VISITOR PRKNG LOT EV RETAINAGE			
					1,941.00	72011821 54810001195	CH VISITOR CHG STATION-CONSTR			
							CHECK	360123 TOTAL:		1,941.00
360124	05/10/2023	PRTD	102	CITY OF BAINBRIDGE I	263072	RETREQ6-00818, 00821	05/01/2023	20210037	05/07/23	1,095.00
	Invoice: RETREQ6-00818, 00821						ENG/BI ELECTRIC - RETAINAGE			
					140.00	72413434 66300000818	SCADA UPGRADES WTR CONSTRUC			
					955.00	72423434 66300000821	SWR-SCADA UPGRADES-CONSTR			
							CHECK	360124 TOTAL:		1,095.00

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
360125	05/10/2023	PRTD	4950	CORRECT EQUIPMENT IN	262888	48447	01/04/2023		05/07/23	777.50
Invoice: 48447							PW/SERVICE CALL 3834 PLEASANT BEACH DR NE			
					777.50	73426355 54810000562	GRINDER PUMP MAINT CONTRACT			
					262889	48448	01/04/2023		05/07/23	204.20
Invoice: 48448							PW/GRINDER PUMP SERVICE CALL 3845 PLEASANT BEACH			
					204.20	73426355 54810000562	GRINDER PUMP MAINT CONTRACT			
							CHECK	360125 TOTAL:		981.70
360126	05/10/2023	PRTD	152	DAILY JOURNAL OF COM	263067	3388155	04/19/2023		05/07/23	264.00
Invoice: 3388155							ENG/PAVEMENT MANAGEMENT PLAN ADS			
					264.00	72111444 54400001278	FIVE YEAR PAVEMENT PLAN-ADV			
							CHECK	360126 TOTAL:		264.00
360127	05/10/2023	PRTD	10256	NGUYEN, PATRICK	263040	04/28/2023	04/28/2023		05/07/23	500.00
Invoice: 04/28/2023							EX/PUBLIC ART POLICE-COURT FACILITY			
					500.00	31024759 54110000724	PD/COURT FAC-PUB ART FEES			
							CHECK	360127 TOTAL:		500.00
360128	05/10/2023	PRTD	10190	DTG ENTERPRISES INC	262890	20095432	03/29/2023		05/07/23	125.00
Invoice: 20095432							PW/WATERFRONT PARK RESTROOM RENTAL			
					125.00	73011768 545000	O&M-C/E-PARKS-OP LEASES			
					262891	20099790	04/21/2023		05/07/23	108.00
Invoice: 20099790							PW/PW SHOP PORTABLE RESTROOM RENTAL			
					108.00	73011897 545000	O&M-C/E-PWYD FAC-RENTS			
					262892	20099979	04/21/2023		05/07/23	108.00
Invoice: 20099979							PW/DECANT FACILITY PORTABLE RESTROOM RENTAL			
					108.00	73435838 545000	O&M-DECANT-RENTS			
							CHECK	360128 TOTAL:		341.00
360129	05/10/2023	PRTD	8816	ECOANALYSTS, INC.	262936	3794	12/02/2022		05/07/23	910.00
Invoice: 3794							PW/NPDES 2022			
					910.00	73425358 541100	O&M-WWTP-PROF SVCS			
							CHECK	360129 TOTAL:		910.00
360130	05/10/2023	PRTD	1953	FERGUSON ENTERPRISES	262895	1418740	04/07/2023		05/07/23	429.22
Invoice: 1418740							PW/WATER SUPPLIES			
					429.22	73111290 531100	O&M-STREET-MAINT O/H-SUPPLIES			

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
							INVOICE DTL DESC			
							CHECK	360130 TOTAL:		429.22
360131	05/10/2023	PRTD	513	GRAINGER	262937	9675455621	04/14/2023		05/07/23	301.15
	Invoice: 9675455621						PW/DESICCANT CARTRIDGE, EYEWASH FAUCET			
					301.15	73425358 531100	O&M-WWTP-SUPPLIES			
					262938	9676905798	04/17/2023		05/07/23	118.98
	Invoice: 9676905798						PW/FILTER CARTRIDGE, 25 MICRON, 20 GPM			
					118.98	73411345 531100	OFFICE SUPPLIES			
					262939	9676981526	04/17/2023		05/07/23	11.21
	Invoice: 9676981526						PW/THREAD SEALANT TAPE 1/2" W, BLUE			
					11.21	73425358 531100	O&M-WWTP-SUPPLIES			
					262942	9678424004	04/18/2023		05/07/23	95.93
	Invoice: 9678424004						PW/Y STRAINER MESH, PVC			
					95.93	73425358 531100	O&M-WWTP-SUPPLIES			
					263041	9683332036	04/24/2023		05/07/23	368.70
	Invoice: 9683332036						PW/PH PROBE 0.00 TO 14.00 PH			
					368.70	73425358 531100	O&M-WWTP-SUPPLIES			
							CHECK	360131 TOTAL:		895.97
360132	05/10/2023	PRTD	9115	CHAVURAT SHIR HAYAM	262941	04/25/2023	04/25/2023		05/07/23	302.00
	Invoice: 04/25/2023						SENIOR CENTER RENTAL REFUND			
					150.00	41625860 586000	SC/COMMONS ROOM DEP-DISBURSEME			
					152.00	01136 362430	SC/COMMONS ROOM RENTALS			
							CHECK	360132 TOTAL:		302.00
360133	05/10/2023	PRTD	9743	SUSAN S. LAWRENCE	262896	04/21/2023	04/21/2023		05/07/23	2.00
	Invoice: 04/21/2023						POL/PARKING REFUND			
					2.00	01136 362500	FAC & PARKING RENTAL-LONG TERM			
							CHECK	360133 TOTAL:		2.00
360134	05/10/2023	PRTD	4850	HOME DEPOT CREDIT SE	262943	8621843	04/14/2023		05/07/23	114.56
	Invoice: 8621843						PW/GORILLA ULTIMATE SPRAY ADHESIVE, EPOXY PUTTY			
					114.56	73111427 531100	OFFICE SUPPLIES			
							CHECK	360134 TOTAL:		114.56
360135	05/10/2023	PRTD	10252	HOUSER, SHARI & MICH	262836	108299	04/20/2023		05/07/23	127.84
	Invoice: 108299						UB 10147 1852 EDNA PLACE NW			
					127.84	411 122100	WATER ACCOUNTS RECEIVABLE			

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
									CHECK 360135 TOTAL:	127.84
360136	05/10/2023	PRTD	863	INTERSTATE BATTERIES	263042	22075632	04/27/2023		05/07/23	1,034.83
Invoice: 22075632							PW/BATTERIES			
					157.19	73431835 531100	OFFICE SUPPLIES			
					585.09	73411345 531100	OFFICE SUPPLIES			
					146.27	73421355 531100	WIN COLL-SUPPLIES			
					73.14	73111423 531100	OFFICE SUPPLIES			
					73.14	73111427 531100	OFFICE SUPPLIES			
									CHECK 360136 TOTAL:	1,034.83
360137	05/10/2023	PRTD	10253	JENNIFER XIA SPRADLI	262837	108300	04/20/2023		05/07/23	6.61
Invoice: 108300							UB 11464 6601 NEW BROOKLYN ROAD NE			
					6.61	411 122100	WATER ACCOUNTS RECEIVABLE			
									CHECK 360137 TOTAL:	6.61
360138	05/10/2023	PRTD	10248	JONES, JULIE	262831	108294	04/20/2023		05/07/23	10.18
Invoice: 108294							UB 10695 157 WALLACE WAY NE			
					10.18	411 122100	WATER ACCOUNTS RECEIVABLE			
									CHECK 360138 TOTAL:	10.18
360139	05/10/2023	PRTD	1010	PAUL L KING	262827	65230	04/18/2023		05/07/23	2,189.46
Invoice: 65230							PW/TRILOGY LOCK DL4100, SOFTWARE & CABLE			
					2,189.46	73011183 548100	O&M-C/E-CH FAC-REPAIRS			
									CHECK 360139 TOTAL:	2,189.46
360140	05/10/2023	PRTD	9046	LARSON, KENTON R & R	262829	108292	04/20/2023		05/07/23	1.00
Invoice: 108292							UB 10360 455 WINSLOW WAY W			
					1.00	411 122100	WATER ACCOUNTS RECEIVABLE			
									CHECK 360140 TOTAL:	1.00
360141	05/10/2023	PRTD	9046	LARSON, KENTON R & R	262830	108293	04/20/2023		05/07/23	118.53
Invoice: 108293							UB 10360 455 WINSLOW WAY W			
					118.53	411 122100	WATER ACCOUNTS RECEIVABLE			
									CHECK 360141 TOTAL:	118.53
360142	05/10/2023	PRTD	10255	LAW OFFICES OF HAYES	262901	04/20/2023	04/20/2023		05/07/23	2.00
Invoice: 04/20/2023							POL/PARKING REFUND			
					2.00	01136 362500	FAC & PARKING RENTAL-LONG TERM			

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
							CHECK	360142	TOTAL:	2.00
360143	05/10/2023	PRTD	10119	LEAK FINDERS WEST LL	262839	442	04/14/2023		05/07/23	500.00
	Invoice: 442						PW/LEAK FINDING SERVICES HIDDEN COVE RD			
					500.00	73011897 548100	O&M-C/E-PWYD FAC-REPAIRS			
							CHECK	360143	TOTAL:	500.00
360144	05/10/2023	PRTD	10247	MEBS LLC	262828	108291	04/20/2023		05/07/23	8.19
	Invoice: 108291						UB 13122 522 MADRONA WAY NE UNIT 3			
					8.19	411 122100	WATER ACCOUNTS RECEIVABLE			
							CHECK	360144	TOTAL:	8.19
360145	05/10/2023	PRTD	10260	MEMBER PLUS FAMILY H	262997	04/25/2023	04/25/2023		05/07/23	156.00
	Invoice: 04/25/2023						POL/PARKING REFUND			
					156.00	01136 362500	FAC & PARKING RENTAL-LONG TERM			
							CHECK	360145	TOTAL:	156.00
360146	05/10/2023	PRTD	10249	MORGAN, ROBIN & LIAN	262832	108295	04/20/2023		05/07/23	65.34
	Invoice: 108295						UB 12011 801 VILLAGE CIRCLE NW			
					65.34	411 122100	WATER ACCOUNTS RECEIVABLE			
							CHECK	360146	TOTAL:	65.34
360147	05/10/2023	PRTD	2574	NATIONAL BARRICADE C	262840	299903	04/14/2023		05/07/23	106.27
	Invoice: 299903						PW/ALUMINUM ROAD SIGNS			
					106.27	73111264 531100	O&M-STREET-TRAF CONTROL-SUPPLY			
					262841	299904	04/14/2023		05/07/23	414.96
	Invoice: 299904						PW/PW/ALUMINUM ROAD SIGNS			
					414.96	73111264 53110001264	SPEED LIMIT REDUCTIONS-SUPPLY			
					262842	299905	04/14/2023		05/07/23	2,214.01
	Invoice: 299905						PW/POST 14GA GALV SQUARE PERF 2"X2"X12"			
					2,214.01	73111264 53110001264	SPEED LIMIT REDUCTIONS-SUPPLY			
					262843	299992	04/14/2023		05/07/23	1,400.49
	Invoice: 299992						PW/ALUMINUM ROAD SIGNS			
					1,400.49	73111264 531100	O&M-STREET-TRAF CONTROL-SUPPLY			
					262844	299993	04/14/2023		05/07/23	1,365.00
	Invoice: 299993						PW/ALUMINUM ROAD SIGNS			
					1,365.00	73111264 531100	O&M-STREET-TRAF CONTROL-SUPPLY			

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
							INVOICE DTL DESC			
					262845	299994	04/14/2023		05/07/23	1,272.18
	Invoice: 299994						PW/ALUMINUM ROAD SIGNS			
					1,272.18	73111264 53110001264	SPEED LIMIT REDUCTIONS-SUPPLY			
								CHECK	360147 TOTAL:	6,772.91
360148	05/10/2023	PRTD	10257	PARKS, SHAWN	263044	04/28/2023	04/28/2023		05/07/23	500.00
	Invoice: 04/28/2023						EX/PUBLIC ART POLICE-COURT FACILITY			
					500.00	31024759 54110000724	PD/COURT FAC-PUB ART FEES			
								CHECK	360148 TOTAL:	500.00
360149	05/10/2023	PRTD	9349	PROPANE NORTHWEST	262905	1509994099	04/17/2023		05/07/23	1,150.87
	Invoice: 1509994099						PROPANE 659.50 GALLONS			
					1,150.87	91011897 547200	GG-C/E-O&M YARD FAC-PROPANE			
								CHECK	360149 TOTAL:	1,150.87
360150	05/10/2023	PRTD	9440	QBSI-XEROX	263070	IN3411352	04/24/2023		05/07/23	167.73
	Invoice: IN3411352						CRT/COPIER LEASE			
					167.73	21011125 545000	COURT-RENTS & LEASES			
								CHECK	360150 TOTAL:	167.73
360151	05/10/2023	PRTD	10250	SEATTLE CHILDRENS HO	262833	108296	04/20/2023		05/07/23	198.66
	Invoice: 108296						UB 12085 4483 PLEASANT BEACH DRIVE NE			
					198.66	421 122100	SEWER ACCOUNTS RECEIVABLE			
								CHECK	360151 TOTAL:	198.66
360152	05/10/2023	PRTD	10261	SEELEY, DAMON	263046	04/28/2023	04/28/2023		05/07/23	500.00
	Invoice: 04/28/2023						EX/PUBLIC ART POLICE-COURT FACILITY			
					500.00	31024759 54110000724	PD/COURT FAC-PUB ART FEES			
								CHECK	360152 TOTAL:	500.00
360153	05/10/2023	PRTD	601	SOUND REPROGRAPHICS	262959	96780	04/17/2023		05/07/23	136.64
	Invoice: 96780						EX/STICKERS CLIMATE SMART CHALLENGE EARTH DAY			
					136.64	31011492 54245001150	CAP-OTHER IMPL-OUTREACH			
					263105	97068	04/27/2023		05/07/23	263.63
	Invoice: 97068						EX/EMERGENCY APPS POSTCARDS			
					263.63	31011256 542450	EX-GF-EMERG PREP-COMM OUTREACH			

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
							INVOICE DTL DESC			
							CHECK	360153 TOTAL:		400.27
360154	05/10/2023	PRTD	6714	TOSHIBA FINANCIAL SE	262945	33908481	04/24/2023		05/07/23	224.64
Invoice: 33908481							PW/COPIER LEASE			
					224.64	73637891 545000	RENTS & LEASES - OPERATING			
					262998	33908482	04/24/2023		05/07/23	234.85
Invoice: 33908482							POL/COPIER LEASE			
					234.85	51011211 545000	PD-C/E-ADMIN RENTS/LEASE			
							CHECK	360154 TOTAL:		459.49
360155	05/10/2023	PRTD	10262	DEBRA CAMPBELL	263074	TBB-2023-002	04/12/2023		05/07/23	275.00
Invoice: TBB-2023-002							POL/BLOODHOUND RECERT			
					275.00	53011212 44341000962	TRACKING CANINE-TRAINING			
							CHECK	360155 TOTAL:		275.00
360156	05/10/2023	PRTD	10251	URBAN, ROSS & GENEVI	262835	108298	04/20/2023		05/07/23	50.88
Invoice: 108298							UB 12836 9150 BURLINGAME COURT NE			
					50.88	411 122100	WATER ACCOUNTS RECEIVABLE			
							CHECK	360156 TOTAL:		50.88
360157	05/10/2023	PRTD	10143	VILLIERS-FURZE, MICH	263075	485	05/01/2023		05/07/23	130.00
Invoice: 485							CRT/SPANISH INTERPRETER SERVICES APR 2023			
					130.00	21011125 541230	COURT-INTERPRETER			
							CHECK	360157 TOTAL:		130.00
360158	05/10/2023	PRTD	203	WA ST EMPLOYMENT SEC	262912	2023 Q1	03/31/2023		05/07/23	5,791.83
Invoice: 2023 Q1							UI BENEFIT CHARGES 2023 Q1			
					4,865.00	91470177 520000	GG-DEV-UNEMPLOYMENT PAYMENTS			
					308.94	91411177 520000	GG-WTR-UNEMPLOYMENT PAYMENTS			
					308.94	91421177 520000	GG-SWR-UNEMPLOYMENT PAYMENTS			
					308.95	91431177 520000	GG-SSWM-UNEMPLOYMENT PAYMENTS			
							CHECK	360158 TOTAL:		5,791.83
360159	05/10/2023	PRTD	952	WASHINGTON STATE PAT	263077	I23006040	05/01/2023		05/07/23	269.50
Invoice: I23006040							FIN/BACKGROUND CHECKS			
					269.50	41654861 586100	CPL GUN PERMIT-FBI SHARE OUT			
							CHECK	360159 TOTAL:		269.50

CASH ACCOUNT: 635 111100 CASH

CHECK NO	CHK DATE	TYPE	VENDOR	NAME	VOUCHER	INVOICE	INV DATE	PO	CHECK RUN	NET
							INVOICE DTL DESC			
360160	05/10/2023	PRTD	9538	WALLACE COTTAGES LLC	262857	BLD23941	04/18/2023		05/07/23	1,720.81
	Invoice: BLD23941						PERMIT BLD23941 LOT 19 REFUND FEE			
					1,687.07	17334 345840	TIF FUND-TRANSP IMPACT FEE			
					33.74	47047 345891	TRANSP IMPACT ADM FEE			
					262858	BLD24047	04/18/2023		05/07/23	1,720.81
	Invoice: BLD24047						PERMIT BLD24047 LOT 02 REFUND FEES			
					1,687.07	17334 345840	TIF FUND-TRANSP IMPACT FEE			
					33.74	47047 345891	TRANSP IMPACT ADM FEE			
					262859	BLD24208	04/18/2023		05/07/23	1,720.81
	Invoice: BLD24208						PERMIT BLD24208 REFUND FEES			
					1,687.07	17334 345840	TIF FUND-TRANSP IMPACT FEE			
					33.74	47047 345891	TRANSP IMPACT ADM FEE			
					262860	BLD24245	04/18/2023		05/07/23	1,720.81
	Invoice: BLD24245						PERMIT BLD24245 REFUND FEES			
					1,687.07	17334 345840	TIF FUND-TRANSP IMPACT FEE			
					33.74	47047 345891	TRANSP IMPACT ADM FEE			
							CHECK 360160 TOTAL:			6,883.24
360161	05/10/2023	PRTD	8390	WEST HILLS FORD MAZD	262949	75017693	04/24/2023		05/07/23	192.19
	Invoice: 75017693						PW/MIRROR ASY - REAR SPORD			
					96.10	73111423 531100	OFFICE SUPPLIES			
					96.09	73111427 531100	OFFICE SUPPLIES			
					263047	75017738	04/25/2023		05/07/23	244.28
	Invoice: 75017738						POL/KIT - BRAKE LINING, ROTOR ASY			
					244.28	53011212 531100	PD-C/E-PATROL SUPPLIES			
					263048	75017751	04/26/2023		05/07/23	164.41
	Invoice: 75017751						POL/WEATHERSTRIP ASY			
					164.41	53011212 531100	PD-C/E-PATROL SUPPLIES			
							CHECK 360161 TOTAL:			600.88
360162	05/10/2023	PRTD	8115	XYLEM WATERING SOLUT	262864	401181852-2	07/14/2022		05/07/23	2,777.91
	Invoice: 401181852-2						PW/PUMP RENTAL FOR WWTP UV MAINTENANCE			
					2,777.91	73425358 54500001161	WWTP UV PREV MAINT-RENTAL			
							CHECK 360162 TOTAL:			2,777.91

NUMBER OF CHECKS 49 *** CASH ACCOUNT TOTAL *** 43,078.10

	COUNT	AMOUNT
TOTAL PRINTED CHECKS	49	43,078.10

*** GRAND TOTAL *** 43,078.10

JOURNAL ENTRIES TO BE CREATED

CLERK: jkines

YEAR PER JNL / SRC ACCOUNT / EFF DATE	JNL DESC	REF 1	REF 2	REF 3	ACCOUNT DESC / LINE DESC	T	OB	DEBIT	CREDIT
2023 5 9									
APP 401-213000					ACCOUNTS PAYABLE			2,093.11	
05/10/2023	05/07/23	050323			AP CASH DISBURSEMENTS JOURNAL				
APP 635-111100					CASH				43,078.10
05/10/2023	05/07/23	050323			AP CASH DISBURSEMENTS JOURNAL				
APP 001-213000					GENERAL - ACCOUNTS PAYABLE			12,364.48	
05/10/2023	05/07/23	050323			AP CASH DISBURSEMENTS JOURNAL				
APP 402-213000					ACCOUNTS PAYABLE			7,714.41	
05/10/2023	05/07/23	050323			AP CASH DISBURSEMENTS JOURNAL				
APP 101-213000					STREETS - ACCOUNTS PAYABLE			7,939.58	
05/10/2023	05/07/23	050323			AP CASH DISBURSEMENTS JOURNAL				
APP 403-213000					ACCOUNTS PAYABLE			574.14	
05/10/2023	05/07/23	050323			AP CASH DISBURSEMENTS JOURNAL				
APP 622-213000					ACCOUNTS PAYABLE			150.00	
05/10/2023	05/07/23	050323			AP CASH DISBURSEMENTS JOURNAL				
APP 631-213000					ACCOUNTS PAYABLE			224.64	
05/10/2023	05/07/23	050323			AP CASH DISBURSEMENTS JOURNAL				
APP 407-213000					ACCOUNTS PAYABLE			4,999.96	
05/10/2023	05/07/23	050323			AP CASH DISBURSEMENTS JOURNAL				
APP 650-213000					ACCOUNTS PAYABLE			269.50	
05/10/2023	05/07/23	050323			AP CASH DISBURSEMENTS JOURNAL				
APP 173-213000					TIF FUND-ACCOUNTS PAYABLE			6,748.28	
05/10/2023	05/07/23	050323			AP CASH DISBURSEMENTS JOURNAL				
					GENERAL LEDGER TOTAL			43,078.10	43,078.10
APP 631-130000					DUE TO/FROM CLEARING			42,853.46	
05/10/2023	05/07/23	050323							
APP 401-130000					DUE TO/FROM CLEARING				2,093.11
05/10/2023	05/07/23	050323							
APP 001-130000					GENERAL - DUE TO/FROM CLEARING				12,364.48
05/10/2023	05/07/23	050323							
APP 402-130000					DUE TO/FROM CLEARING				7,714.41
05/10/2023	05/07/23	050323							
APP 101-130000					STREETS - DUE TO/FROM CLEARING				7,939.58
05/10/2023	05/07/23	050323							
APP 403-130000					DUE TO/FROM CLEARING				574.14
05/10/2023	05/07/23	050323							
APP 622-130000					DUE TO/FROM CLEARING				150.00
05/10/2023	05/07/23	050323							
APP 407-130000					DUE TO/FROM CLEARING				4,999.96
05/10/2023	05/07/23	050323							
APP 650-130000					DUE TO/FROM CLEARING				269.50
05/10/2023	05/07/23	050323							
APP 173-130000					TIF FUND-DUE TO/FROM CLEARING				6,748.28
05/10/2023	05/07/23	050323							

JOURNAL ENTRIES TO BE CREATED

YEAR PER JNL SRC ACCOUNT EFF DATE	JNL DESC	REF 1	REF 2	REF 3	ACCOUNT DESC LINE DESC	T	OB	DEBIT	CREDIT
					SYSTEM GENERATED ENTRIES	TOTAL		42,853.46	42,853.46
					JOURNAL 2023/05/9	TOTAL		85,931.56	85,931.56

JOURNAL ENTRIES TO BE CREATED

FUND / ACCOUNT	YEAR	PER	JNL	EFF DATE / ACCOUNT DESCRIPTION	DEBIT	CREDIT
001 GENERAL FUND	2023	5	9	05/10/2023		
001-130000				GENERAL - DUE TO/FROM CLEARING		12,364.48
001-213000				GENERAL - ACCOUNTS PAYABLE	12,364.48	
				FUND TOTAL	12,364.48	12,364.48
101 STREET FUND	2023	5	9	05/10/2023		
101-130000				STREETS - DUE TO/FROM CLEARING		7,939.58
101-213000				STREETS - ACCOUNTS PAYABLE	7,939.58	
				FUND TOTAL	7,939.58	7,939.58
173 TRANSPORTATION IMPACT FEE FUND	2023	5	9	05/10/2023		
173-130000				TIF FUND-DUE TO/FROM CLEARING		6,748.28
173-213000				TIF FUND-ACCOUNTS PAYABLE	6,748.28	
				FUND TOTAL	6,748.28	6,748.28
401 WATER OPERATING FUND	2023	5	9	05/10/2023		
401-130000				DUE TO/FROM CLEARING		2,093.11
401-213000				ACCOUNTS PAYABLE	2,093.11	
				FUND TOTAL	2,093.11	2,093.11
402 SEWER OPERATING FUND	2023	5	9	05/10/2023		
402-130000				DUE TO/FROM CLEARING		7,714.41
402-213000				ACCOUNTS PAYABLE	7,714.41	
				FUND TOTAL	7,714.41	7,714.41
403 STORM & SURFACE WATER FUND	2023	5	9	05/10/2023		
403-130000				DUE TO/FROM CLEARING		574.14
403-213000				ACCOUNTS PAYABLE	574.14	
				FUND TOTAL	574.14	574.14
407 BUILDING & DEVELOPMENT FUND	2023	5	9	05/10/2023		
407-130000				DUE TO/FROM CLEARING		4,999.96
407-213000				ACCOUNTS PAYABLE	4,999.96	
				FUND TOTAL	4,999.96	4,999.96
622 EXPENDABLE TRUST FUND	2023	5	9	05/10/2023		
622-130000				DUE TO/FROM CLEARING		150.00
622-213000				ACCOUNTS PAYABLE	150.00	
				FUND TOTAL	150.00	150.00
631 CLEARING FUND	2023	5	9	05/10/2023		

JOURNAL ENTRIES TO BE CREATED

FUND / ACCOUNT	YEAR	PER	JNL	EFF DATE	ACCOUNT DESCRIPTION	DEBIT	CREDIT
631-130000					DUE TO/FROM CLEARING	42,853.46	
631-213000					ACCOUNTS PAYABLE	224.64	
635-111100					CASH		43,078.10
					FUND TOTAL	43,078.10	43,078.10
650 AGENCY FUND	2023	5	9	05/10/2023			
650-130000					DUE TO/FROM CLEARING		269.50
650-213000					ACCOUNTS PAYABLE	269.50	
					FUND TOTAL	269.50	269.50

JOURNAL ENTRIES TO BE CREATED

FUND		DUE TO	DUE FROM
001	GENERAL FUND		12,364.48
101	STREET FUND		7,939.58
173	TRANSPORTATION IMPACT FEE FUND		6,748.28
401	WATER OPERATING FUND		2,093.11
402	SEWER OPERATING FUND		7,714.41
403	STORM & SURFACE WATER FUND		574.14
407	BUILDING & DEVELOPMENT FUND		4,999.96
622	EXPENDABLE TRUST FUND		150.00
631	CLEARING FUND	42,853.46	
650	AGENCY FUND		269.50
	TOTAL	42,853.46	42,853.46

** END OF REPORT - Generated by Jacob Kines **

PAYROLL

PAYROLL CHECK RUN: 5 - 05 - 2023

Run Type	Run Date	Check # Sequence	Comments	Amount
Normal	5/5/2023	57261-57392	Regular check run (Direct Dep)	355,858.98
Normal	5/5/2023	110138-110139	Regular check run (Paper Checks)	3,673.05
Vendor	5/5/2023	110140-110151	Vendor check run (Paper Checks)	350,031.90
EFTPS	5/5/2023		Federal Tax Electronic Transfer	133,264.32
			TOTAL:	**842,828.25**

Prepared and Reviewed by: _____ Date 5/4/2023

Ruth Schroeder, Payroll Specialist

I, the undersigned, do hereby certify under penalty of perjury that the materials have been furnished, the services rendered or the labor performed as described herein and that the claim is a just, due and unpaid obligation against the City of Bainbridge Island, and that I am authorized to authenticate and certify to said claim.

_____ Date 05/04/2023

Billie Kinley, Budget Manager

CITY OF BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill

MEETING DATE: May 9, 2023 **ESTIMATED TIME:**

AGENDA ITEM: Approve City Council Meeting Minutes

SUMMARY: Council will consider approval of meeting minutes.

AGENDA CATEGORY: Minutes **PROPOSED BY:** Executive

RECOMMENDED MOTION: Approve City Council Meeting Minutes

COMMUNITY ENGAGEMENT AND OUTREACH:

FISCAL IMPACT:

Amount:	
Ongoing Cost:	
One-Time Cost:	
Included in Current Budget?	

BACKGROUND:

ATTACHMENTS:

City Council Study Session Minutes, April 18, 2023.pdf

Special City Council Meeting Minutes - Executive Session, April 25, 2023.pdf

Regular City Council Business Meeting Minutes, April 25, 2023.pdf

FISCAL DETAILS:

Fund Name(s):

Coding:

CITY OF
BAINBRIDGE ISLAND

CITY COUNCIL STUDY SESSION
TUESDAY, APRIL 18, 2023

Meeting Minutes

1) CALL TO ORDER / ROLL CALL

Deputy Mayor Quitslund called the meeting to order at 6:00 p.m. in Council Chambers and on the Zoom webinar platform.

Mayor Fantroy-Johnson, Deputy Mayor Quitslund, and Councilmembers Deets, Hytopoulos, Moriwaki, and Schneider were present. Councilmember Pollock was absent and unexcused.

2) APPROVAL OF AGENDA / CONFLICT OF INTEREST DISCLOSURE - 6:05 PM

Councilmember Moriwaki moved and Councilmember Deets seconded to approve the agenda as submitted. The motion carried unanimously, 6 – 0. There were no conflicts of interest disclosed.

3) REGULAR BUSINESS

3.A Discuss Steering Committee for Winslow Subarea Plan Update and Comprehensive Plan Periodic Review - Planning

Cover Page

Deputy Mayor Quitslund introduced the agenda item, and Council discussed the topic.

MOTION: I move that Deputy Mayor Quitslund, Councilmember Schneider and Councilmember Hytopoulos shall be appointed to this committee.
Fantroy-Johnson/Deets: The motion carried 6 – 0.

AYES: Joe Deets, Leslie Schneider, Kirsten Hytopoulos, Brenda Fantroy-Johnson, Jon Quitslund, Clarence Moriwaki
NOES: None
ABSENT: Michael Pollock
ABSTAIN: None

A resolution to form the steering committee will be placed on the next agenda.

3.B Review Draft Housing Action Plan in Preparation for Referral to the Planning Commission **2022 Council High Priority Project** - Planning

Cover Page
Draft Bainbridge Island Housing Action Plan
Presentation Draft BIHAP.pptx

City Manager King introduced the agenda item. Planning Director Charnas provided a presentation with additional information, and Council discussed the draft plan.

3.C Consider Report from Council Waste Reduction Ad Hoc Committee

Cover Page
Memo Regarding Recommended Changes to BIMC 8.24.pdf
Staff Memo Regarding Implementation of Proposed Changes to BIMC 8.24 Disposable Food Service Ware and Waste Reduction.pdf

City Manager King introduced the agenda item. Councilmember Hytopoulos provided a report from the subcommittee on their recommendations, and Council discussed the topic.

4) COMMITTEE REPORTS

Council members reported on local and regional meetings and community events.

5) ADJOURNMENT

Deputy Mayor Quitslund adjourned the meeting at 7:23 p.m.

_____
Brenda Fantroy-Johnson, Mayor

_____
Christine Brown, MMC, City Clerk

CITY OF
BAINBRIDGE ISLAND

SPECIAL CITY COUNCIL MEETING – EXECUTIVE SESSION
TUESDAY, APRIL 25, 2023

Meeting Minutes

1) CALL TO ORDER / ROLL CALL

Mayor Fantroy-Johnson called the meeting to order at 5:00 p.m. in Council Chambers and on the Zoom webinar platform.

Mayor Fantroy-Johnson, Deputy Mayor Quitslund, and Councilmembers Deets, Moriwaki and Schneider were present. Councilmembers Hytopoulos and Pollock were absent.

2) EXECUTIVE SESSION

2.A **Pursuant to RCW 42.30.110(1)(b), to consider the selection of a site or acquisition of real estate by lease or purchase when public knowledge regarding such consideration would cause a likelihood of increased price.**
Cover Page

2.B **Pursuant to RCW 42.30.110(1)(i), to discuss with legal counsel matters relating to litigation or potential litigation to which the city, the governing body, or a member acting in an official capacity is, or is likely to become, a party, when public knowledge regarding the discussion is likely to result in an adverse legal or financial consequence to the agency**,
Cover Page

Mayor Fantroy-Johnson adjourned the meeting to an executive session at 5:00 p.m. pursuant to RCW 42.30.110(1)(b) and RCW 42.30.110(1)(i).

3) ADJOURNMENT -

Council returned from executive session at 5:57 p.m., and Mayor Fantroy-Johnson adjourned the meeting.

_____
Brenda Fantroy-Johnson, Mayor

_____
Christine Brown, MMC, City Clerk

CITY OF
BAINBRIDGE ISLAND

REGULAR CITY COUNCIL BUSINESS MEETING
TUESDAY, APRIL 25, 2023

Meeting Minutes

1) CALL TO ORDER / ROLL CALL / PLEDGE OF ALLEGIANCE

Mayor Fantroy-Johnson called the meeting to order at 6:00 p.m. in Council Chambers and on the Zoom webinar platform.

Mayor Fantroy-Johnson, Deputy Mayor Quitslund, and Councilmembers Deets, Pollock, Moriwaki and Schneider were present. Councilmember Hytopoulos was absent and excused.

Mayor Fantroy-Johnson led the Pledge of Allegiance.

2) APPROVAL OF AGENDA / CONFLICT OF INTEREST DISCLOSURE

Councilmember Moriwaki moved and Councilmember Deets seconded to approve the agenda as presented.

There were no conflicts of interest disclosed.

3) PRESENTATION(S)

3.A Approve Proclamation Declaring April 2023, as "National Poetry Month"

Cover Page
Proclamation for Poetry Month 2023.docx

Councilmember Moriwaki read the proclamation.

MOTION: I move to authorize the Mayor to sign the proclamation declaring the month of April 2023, as "National Poetry Month" and to add this proclamation to the list of proclamations which may be signed by the Mayor without further Council action.
Moriwaki/Quitslund: The motion carried unanimously, 6 - 0.

AYES: Joe Deets, Leslie Schneider, Michael Pollock, Brenda Fantroy-Johnson, Jon Quitslund, Clarence Moriwaki
NOES: None
ABSENT: Kirsten Hytopoulos
ABSTAIN: None

Poet Laureate Michelle Bombardier accepted the proclamation and read a poem.

3.B Approve Proclamation Declaring April 2023, as "Education and Sharing Month"

Cover Page
Proclamation - Education and Sharing Month 2023.docx

Deputy Mayor Quitslund read the proclamation.

Rabbi Mendy Goldschmid accepted the proclamation.

3.C Present Proclamation Recognizing April 28, 2023, as "Arbor Day"

Cover Page
Arbor Day Proclamation 2023.docx

Councilmember Deets read the proclamation.

Arborist Morris accepted the proclamation.

3.D Approve Proclamation for Missing and Murdered Indigenous Women and Girls Awareness Month

Cover Page
Proclamation - Missing and Murdered Indigenous Women Awareness Month.docx

Mayor Fantroy-Johnson read the proclamation.

MOTION: I move to authorize the Mayor to sign the proclamation declaring May 2023, as "Missing and Murdered Indigenous Women and Girls Awareness Month" and to add this proclamation to the list of annual proclamations that may be signed by the Mayor without further Council action.
Moriwaki/Deets: The motion carried unanimously, 6 - 0.

AYES: Joe Deets, Leslie Schneider, Michael Pollock, Brenda Fantroy-Johnson, Jon Quitslund, Clarence Moriwaki
NOES: None
ABSENT: Kirsten Hytopoulos
ABSTAIN: None

Erica Cardiel, a former Island resident whose sister is missing, accepted the proclamation.

4) PUBLIC COMMENT

4.A Instructions for Providing Public Comment

Cover Page
Instructions for Providing Public Comment at Hybrid Meetings.docx

Christine Nhan, Puget Sound Energy, spoke in favor of the Comprehensive Plan amendments.

Tom Hansen spoke in favor of the Puget Sound Energy ("PSE") ordinances amending the Comprehensive Plan.

Kathy Hansen spoke in favor of the PSE ordinances amending the Comprehensive Plan.

Renni Bispham spoke about applying an equity lens to the steering committee process.

Olivia Hall spoke about applying an equity lens to the steering committee process.

Michael Schwank spoke against the Lynwood Comprehensive Plan amendment.

John Grinter spoke against the Murden Cove Comprehensive Plan amendment and suggested alternatives.

Elizabeth Doll spoke in favor of the PSE ordinances amending the Comprehensive Plan.

Gigi Hendrickson invited Council to a Bainbridge Island Youth Partners in Health Engage fundraiser for the University of Global Health Equity.

Jim Halbrook spoke about concerns with City government.

Mike Cox spoke about incorporating a climate lens in the steering committee process.

Nick Masla spoke about the PSE ordinances amending the Comprehensive Plan.

Melanie Keenan spoke about the Environmental Technical Advisory Committee ("ETAC") workplan.

Malcolm Gander spoke about the ETAC workplan.

Chantelle Lusebrink spoke in favor of the PSE ordinances amending the Comprehensive Plan with certain conditions.

Belinda Thornburg spoke in favor of the Lynwood Comprehensive Plan amendment.

Ron Peltier commented on affordable housing.

5) CONSENT AGENDA

5.A Agenda Bill for Consent Agenda
Cover Page

MOTION: I move to approve the Consent Agenda as presented.
Moriwaki/Deets: The motion carried unanimously, 6 - 0.

AYES: Joe Deets, Leslie Schneider, Michael Pollock, Brenda Fantroy-Johnson, Jon Quitslund, Clarence Moriwaki
NOES: None
ABSENT: Kirsten Hytopoulos
ABSTAIN: None

5.B Approve Accounts Payable and Payroll
Cover Page
AP Report to Council of Cash Disbursements 04-26-23.pdf
Council PR Report PR 4-20-23.pdf

5.C Approve City Council Meeting Minutes
Cover Page

City Council Study Session Minutes, April 4, 2023.pdf
City Council Regular Business Meeting Minutes, April 11, 2023.pdf

5.D **Authorize the City Manager to Execute Amendment No. 5 to the Professional Services Agreement with Coates Design for Police and Municipal Court Project Construction Administration and Supplemental Design Support ($14,200.00, Tax Supported) - Public Works**
Cover Page
Coates PSA Amendment No. 5 Con Admin.docx

5.E **Authorize the City Manager to Execute an Agreement with Nexus Planning Services relating to the 2024 Comprehensive Plan Periodic Review in the amount of $103,815 - Planning**
Cover Page
Professional Services Agreement - 2024 Comp Plan Update.pdf
RFQ
Nexus/SCJ - RFQ Response

5.F **Authorize the City Manager to Advertise for Shade Covenant Compliance Contract and Approve Budget Amendment of up to $350,000**
Cover Page
Shade Covenant Work Plan for CC 04252023
Bainbridge Buffer Mitigation Plan - Map and Plan

5.G **Authorize the City Manager to Execute the Construction Contract with Hanson Tree Service, LLC for the Grinder Pump Replacement Project ($141,042.72 – Sewer Fund) - Public Works**
Cover Page
Grinder Pump Replacement Contract.docx
Bid Form.docx

5.H **Authorize the City Manager to Execute a Construction Contract with Stripe Rite Inc. for the 2023 Annual Roads Striping Project ($192,032.80 - Tax Supported, Streets) - Public Works**
Cover Page
2023 Road Striping Contract.docx
Attachment D - Road List.docx
Bid Form.docx

5.I **Authorize the City Manager to Execute Amendment No. 2 to the Professional Services Agreement with Tetra-Tech, Inc. for the Wastewater Treatment Plant Capacity Upgrades Design and Support ($735,492.00 - Sewer) – Public Works**
Cover Page
Amendment No 2 to PSA updated cost.docx
Wastewater Treatment Plant Upgrades Project Budget 01187.pdf
WWTP Location Map.pdf
WWTP Process Map.pdf

5.J **Authorize the City Manager to Advertise for Bundled Madison Avenue Non-Motorized and Sewer Improvements Project - Public Works**
Cover Page

01088 CIP.pdf
01100 CIP.pdf
Madison Ave Bundled Project Update_100% Plans_040423.pptx

5.K Authorize the City Manager to Execute a Professional Services Agreement with Helpline House for the Distribution of a Rental and Mortgage Assistance Funding Program, ($80,000, Affordable Housing Fund) - Finance
Cover Page
Implementation of Rent and Mortgage Assistance via Helpline House_4.11.23.pdf
Professional Services Agreement Helpline House20230310.pdf

5.L Adopt Resolution No. 2023-03 Establishing a Steering Committee to Provide Oversight on the Winslow Subarea Plan Update and the Comprehensive Plan Periodic Review and Appoint Deputy Mayor Quitslund, and Councilmembers Hytopoulos and Schneider to the Committee - Planning
Cover Page
Resolution_No._2023-04_Establishing_and_Appointing_Members_to_a_Steering_Committee_for_the_Winslow_Subarea_Plan_and_the_Comprehenisve_Plan_Periodic_Review_v.3.docx

5.M Refer the Draft Housing Action Plan to the Planning Commission **2022 Council High Priority Project - Planning**
Cover Page
Draft Housing Action Plan.pdf

5.N Express Support for Affordable Housing Funding Similar to the Washington Housing Crisis Response Referendum
Cover Page
Housing Bonds

5.O Cancel the May 2, 2023, City Council Study Session
Cover Page

6) COUNCIL ANNOUNCEMENTS

Councilmember Deets mentioned the North Ward meeting on Saturday, April 29, 2023.

7) CITY MANAGER'S REPORT

7.A Receive City Manager's Report
Cover Page
2023 Q1 Public Safety Presentation.pdf
2023-03 Public Safety Activity Report.pdf
CAP Status Update Memo - Q1_2023.docx
2023 Q1_ Memo for CC 04252023.docx
Q1 2023 Workplan Report for CC 04252023.xlsx

City Manager King presented the Tree City USA plaque to the Mayor and provided quarterly reports for the Bainbridge Island Police Department, Climate Action Plan, and department workplans.

8) REGULAR BUSINESS

8.A Receive 2022 Annual Report and Consider 2023 Annual Work Plan for the Climate Change Advisory Committee

Cover Page
CCAC 2022 Progress Report Summary and 2023 Work Plan.docx
Presentation_City Council briefing on CCAC_April_25.pdf

Climate Change Advisory Committee Chair, David McCaughy, provided a presentation on the workplan and 2022 annual report and addressed Council's questions.

MOTION: I move to approve the Climate Change Advisory Committee work plan for 2023 as presented.
Deets/Schneider: The motion carried unanimously, 6 - 0.

AYES: Joe Deets, Leslie Schneider, Michael Pollock, Brenda Fantroy-Johnson, Jon Quitslund, Clarence Moriwaki
NOES: None
ABSENT: Kirsten Hytopoulos
ABSTAIN: None

8.B Receive 2022 Annual Report and Consider 2023 Annual Work Plan for the Environmental Technical Advisory Committee

Cover Page
ETAC 2022-23 Workplan 031623

City Manager King introduced the agenda item. Environmental Technical Advisory Committee member Ben Harrison provided information on the work plan, and Council discussed the topic.

MOTION: I move to approve the Environmental Technical Advisory Committee work plan for 2023 as presented, and direct the City Manager to develop an ordinance to update the Bainbridge Island Municipal Code to reflect a revised scope of work and departmental responsibility for the Environmental Technical Advisory Committee.
Quitslund/Deets: The motion carried unanimously, 6 - 0.

AYES: Joe Deets, Leslie Schneider, Michael Pollock, Brenda Fantroy-Johnson, Jon Quitslund, Clarence Moriwaki
NOES: None
ABSENT: Kirsten Hytopoulos
ABSTAIN: None

8.C Consider Ordinance Nos. 2023-09, 2023-10, 2023-11 and 2023-12 regarding Site-specific Rezones and 2022 Comprehensive Plan Amendment (CPA) Applications

Cover Page
Ordinance No. 2023-09 PSE Port Madison CPA
Ordinance No. 2023-10 PSE Murden Cove CPA
Ordinance No. 2023-11 PSE Winslow Substation CPA-Rezone_updated04.20.2023.docx
PSE Memo to Council dated April 6, 2023.pdf
Applicant Overview Narrative.pdf
Presentation_Port Madison Area map and development regulation comparison.pptx
Presentation_Murden Cove Area map and development regulation comparison.pptx
Presentation_Winslow Area map and development regulation comparison.pptx
Staff analysis Port Madison.pdf

Staff analysis Murden Cove.pdf
Staff analysis Winslow.pdf
Presentation_Lynwood CPA.pptx
4 25 CC Lynwood CPA Memo.docx
Ordinance No. 2023-12 Lynwood Center CPA

City Manager King introduced the agenda item. Planning Director Charnas provided additional information.

Councilmember Deets moved and Councilmember Pollock seconded to place City Council approval of the following on the May 9, 2023 agenda: Ordinance Nos. 2023-09, 2023-10 and 2023-11 amending the Comprehensive Plan land use map and zoning districts map related to Puget Sound Energy's Port Madison, Murden Cove and Winslow Substation sites, respectively, and have the City Manager bring an ordinance that amends Table 18.09.020 so that primary utilities are a conditional use in the business/industrial zone. Following discussion, Councilmember Deets withdrew his motion.

MOTION: I move to place City Council approval of the following on the May 9, 2023, agenda: Ordinance Nos. 2023-09, 2023-10, and 2023-11 amending the Comprehensive Plan land use map and zoning districts map related to Puget Sound Energy's Port Madison, Murden Cove and Winslow Substation sites, respectively.
Deets/Moriwaki: The motion carried unanimously, 6 - 0.

AYES: Joe Deets, Leslie Schneider, Michael Pollock, Brenda Fantroy-Johnson, Jon Quitslund, Clarence Moriwaki
NOES: None
ABSENT: Kirsten Hytopoulos
ABSTAIN: None

MOTION: I move to place City Council approval of the following on the May 9, 2023 agenda: Ordinance No. 2023-12 adding a new policy to the Land Use and Housing Elements of the Comprehensive Plan related to Lynwood Center.
Deets/Moriwaki: The motion carried unanimously, 6 - 0.

AYES: Joe Deets, Leslie Schneider, Michael Pollock, Brenda Fantroy-Johnson, Jon Quitslund, Clarence Moriwaki
NOES: None
ABSENT: Kirsten Hytopoulos
ABSTAIN: None

9) ADJOURNMENT

Mayor Fantroy-Johnson adjourned the meeting at 8:13 p.m.

_____
Brenda Fantroy-Johnson, Mayor

_____
Christine Brown, MMC, City Clerk

CITY OF BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill

MEETING DATE: May 9, 2023 **ESTIMATED TIME:**

AGENDA ITEM: Receive Eagle Harbor Phase II Non-Motorized Improvements Project Completion Report - Public Works

SUMMARY: Staff is updating City Council on the project acceptance for the Eagle Harbor Phase II Non-Motorized Improvements project.

AGENDA CATEGORY: Report **PROPOSED BY:** Public Works

RECOMMENDED MOTION: Information only

COMMUNITY ENGAGEMENT AND OUTREACH: None planned

FISCAL IMPACT:

Amount:	N/A
Ongoing Cost:	N/A
One-Time Cost:	N/A
Included in Current Budget?	Yes

BACKGROUND: The Eagle Harbor Phase II Non-Motorized Improvements project was awarded by City Council on March 23, 2021 and consisted of shoulder and side-path Improvements along Eagle Harbor Dr from McDonald Ave to approx. 4900 linear feet north.

The final contract amount was $956,866.79, 46.5% above the original contract award amount due to scope changes related to converting portions of the planned shoulder improvements to separated side-paths with vegetated landscape buffers. To accommodate the scope changes, the City Council increased the City Manager's change order authority on July 13, 2021 to $230,000, and increased it again on January 11, 2022 to $403,000. The infrastructure work was completed on June 8, 2022 and the vegetation work was completed in April 2023. The appropriate State agencies have been notified that the project is complete.

The Public Works Department is presently planning for two maintenance responsibilities associated with the project: regular watering of the native vegetation areas through the summer to ensure plant establishment; and, the purchase of a narrow sweeper/broom that can be used to keep the side-paths free of debris. The broom will also be used for other Public Works tasks such as sidewalk and shoulder sweeping.

ATTACHMENTS:

2022 Modifications to the 2021-2026 CIP - 01077.pdf

Proj Acceptance_Eagle Harbor Shoulder Improvements PH II_Executed.pdf

Vic Map.pdf

Eagle Harbor Ph II Photos.pdf

FISCAL DETAILS: The overall project budget is $1.078 million with total spent including labor is $1.048 million leaving a balance of $30k.

Fund Name(s): Capital Construction Fund

Coding: Capital Improvement Project # 01077

Project: C40 Eagle Harbor Drive Phase 2 **Number:** 01077

Location: Eagle Harbor shoreline to McDonald

Project Description





Description: Provide a 5'-wide separated shoulder from the shoreline to McDonald Ave.

Benefit: Safety and non-motorized transportation connectivity.

Schedule: YR1: design/permitting YR2: construction.

Capital Funding (1000's)

	Prior Yrs.	2021	2022	2023	2024	2025	2026	2027-2040	Total
FUNDING SOURCES (1000's)									
REET	$70	$57	$2	$0	$0	$0	$0	$0	$129
TIF	$250	$0	$0	$0	$0	$0	$0	$0	$250
Sewer Fund	$0	$0	$0	$0	$0	$0	$0	$0	$0
SSWM Fund	$0	$0	$0	$0	$0	$0	$0	$0	$0
Federal Grant	$700	$0	$0	$0	$0	$0	$0	$0	$700
State Grant	$0	$0	$0	$0	$0	$0	$0	$0	$0
Sub-total	**$1,020**	**$57**	**$2**	**$0**	**$0**	**$0**	**$0**	**$0**	**$1,079**
FUNDING USES (1000's)									
Project Management	$40	$57	$2						$99
Design/permitting									$0
Construction	$980								$980
Sub-total	**$1,020**	**$57**	**$2**	**$0**	**$0**	**$0**	**$0**	**$0**	**$1,079**

Estimated Impact on Future Operating Budget

	Prior Yrs.	2021	2022	2023	2024	2025	2026	2027-2040	Total
Operating									
Debt Service									
Sub-total	$0	$0	$0	$0	$0	$0	$0	$0	$0

City of Bainbridge Island
Department of Public Works

PROJECT ACCEPTANCE COVER MEMO

Project Name: Eagle Harbor Drive Shoulder Improvements Phase II	
Contractor: Seton Construction Inc	
Munis Project No.: 01077	Munis Contract No.:2021034
Prepared By: Nicole Retana	PO Ret No.:N/A
Contract Awarded: April 2, 2021	Capital Project: ☒ Y ☐ N
Work Commenced: June 8, 2021	Work Completed: June 8, 2022

Summation of Project: Paved shoulder improvements along Eagle Harbor Dr, from McDonald Ave., north approximately 4900 LF, separated southbound, non-separated northbound.

City Clerk Needs a Copy of Project Acceptance for Formal Posting (All projects greater than $50.000 or formally bid)

☒ Y ☐ N **Routed a copy of this acceptance to the City Clerk on** 11/3/22.

Project Budget	Project Actual	Encumbrances	Available Budget
$1,079,000.00	$1,040,998.51	$4,348.45	$33,653.04

* Please note: Project Actual includes Contract Total with Tax. Capital salary, OT and benefits, if any, are included.

Original Contract Amount:	$512,254.00
Change Order Total:	$444,632.79
Total :	$956,886.79
Tax:	N/A
Contract Total with Tax:	$956,886.79
Total of Contract Savings if under budget:	N/A

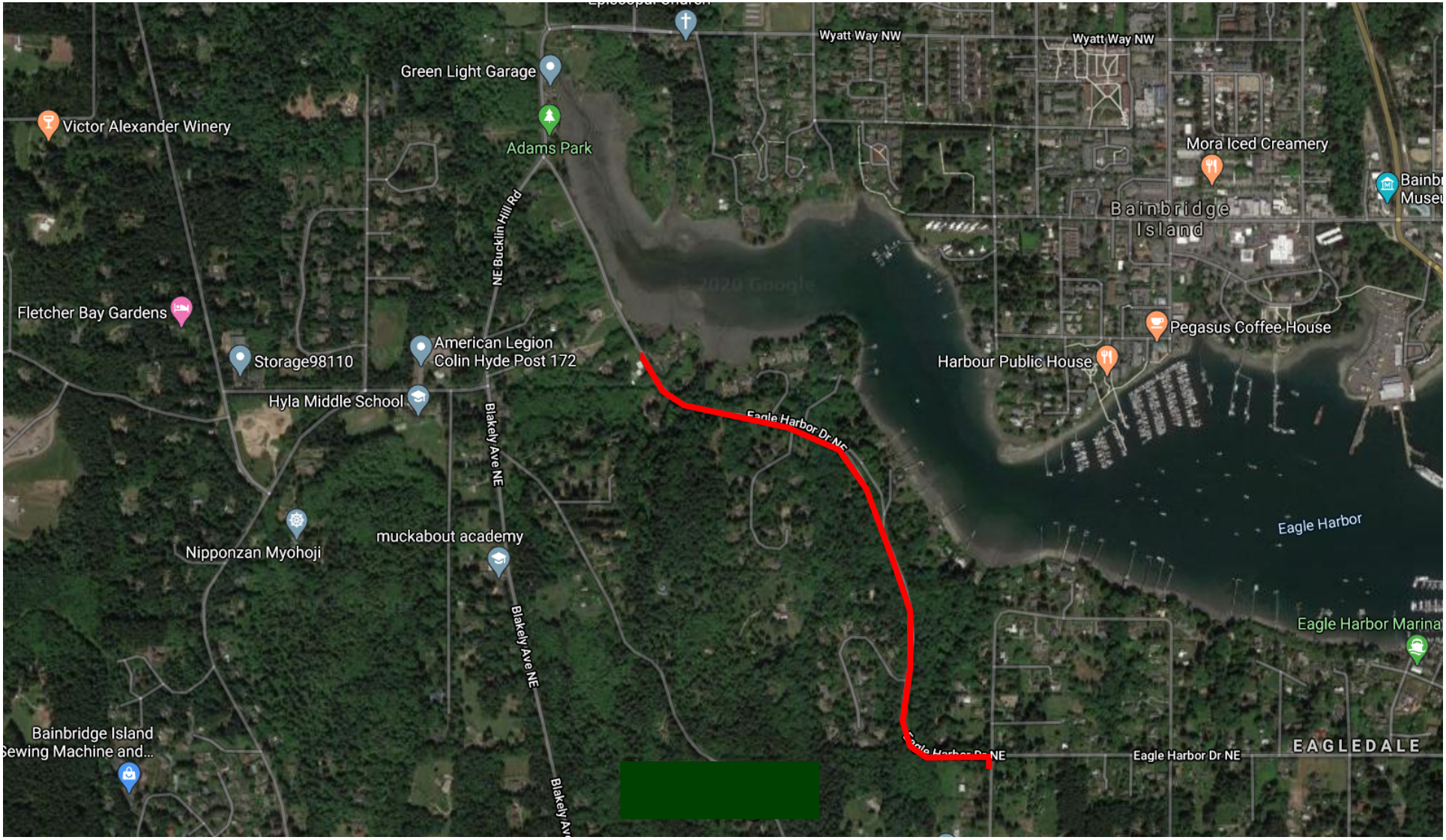
Manager Review — P.S. Corelis — 11/04/2022
Peter Corelis, P.E. — Date

Administrative Review — Kathy Gormanous — 11/4/2022
Kathrine Gormanous — Date

PW Director Review — 11/4/22
Christopher Wierzbicki, P.E. — Date

Project Accepted by City Manager — **Date** 11/7/22

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EAGLE HARBOR PHASE 2 SHOULDER IMPROVEMENTS
VICINTY MAP

Eagle Harbor Drive Phase II Non-Motorized Improvements







CITY OF BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill

MEETING DATE: May 9, 2023 **ESTIMATED TIME:**

AGENDA ITEM: Authorize the City Manager to Apply a Sewer Utility Billing Credit in the Amount of $32,996.74 for October 2022 Invoices Billed in November and December - Finance

SUMMARY: This item will apply a credit of $32,996.74 affecting sewer customers who experienced a 40% increase in their October 2022 sewer invoice due to the effects of severe dry weather. The credits will be applied prospectively to affected customers on future sewer bills. This item was discussed at the April 4, 2023, study session that included a presentation of the water and sewer rate study.

To correct for this issue in the future, the consultant's final report recommends moving to year-round winter-water usage for future sewer bills which is a typical standard practice for most cities using this program. This recommendation is included as part of the ordinance for updating water and sewer fees included as a separate item in this agenda packet.

AGENDA CATEGORY: Consent Agenda **PROPOSED BY:** Finance & Administrative Services

RECOMMENDED MOTION: Move to authorize the City Manager to apply a sewer utility billing credit in the amount of $32,996.74 for affected customers who experienced an increase in their October 2022 invoices billed in November and December.

COMMUNITY ENGAGEMENT AND OUTREACH:

FISCAL IMPACT:

Amount:	
Ongoing Cost:	
One-Time Cost:	
Included in Current Budget?	

BACKGROUND: The City bills water and sewer utility customers every other month. The charges for residential sewer customers include a flat base fee plus a water usage-based component to determine the amount billed. The purpose behind the water-usage charge is that the billed water consumption amount should approximate the water effluent that is expelled down the customers' pipes that is ultimately treated at the sewer plant and exclude water used for gardening, irrigation and other external usage (all water usage is billed separately in the water utility bills).

Since there are no water meters for wastewater, the City uses a long-standing "summer sewer averaging" billing practice that substitutes average water usage from December-May water bills for calculating sewer bills

from June-September. This intention is to use an average water usage in winter as a measured approximation of water flushed and treated through the internal pipes for sewer so that dry season water usage for use for gardening, irrigation and other outdoor use is excluded.

In December 2022, the City received numerous calls from utility customers who were concerned about their unusually high sewer bills. Upon investigation, it became clear that the unusually warm and dry weather caused many residents to use more water than usual for this time of year for external use. As a result, 982 customers out of 1,902 (52%) of customers experienced a roughly 41% increase in their bills totaling $32,996.74.

This item was discussed at the April 4, 2023 study session regarding the water and sewer rate study. To correct for this issue in the future, the consultant's final report recommends moving to year-round winter-water usage to apply to sewer bills which is a typical standard practice for most cities using this program.

ATTACHMENTS:

Copy of Nov1-Dec1 UB Sewer Credit_Final_w.o.acctinfo.xlsx

FISCAL DETAILS: This will result in a $32,996.74 decrease in revenue in the sewer fund in 2023.

Fund Name(s):

Coding:

Bainbridge Island

Summary of November and December 2022 Sewer Credit

	Nov 1	Dec 1	Total
Amount	1,992.34	31,004.40	32,996.74
# Customers	110	872	982

11/1 Bill #	Credit Amount
430692	1.23
431152	3.72
430528	3.72
430880	1.23
430535	3.72
430567	28.46
430804	8.66
431529	18.58
431734	3.72
430468	2.45
431177	7.43
431386	33.44
430493	16.09
430712	3.72
430593	7.43
430430	7.43
431680	22.29
430698	2.45
430682	1.86
430868	2.45
431434	3.72
431197	2.45
431786	4.94
430891	26.01
430778	3.72
431381	3.72
430639	1.23
431506	6.17
430734	3.72
431770	6.17
430565	2.45
431473	26.01
430685	3.72
430718	3.72
430688	3.72
430739	11.15
430463	22.29
430876	3.72
430640	2.45
430716	3.72
431383	2.45
430719	3.72
430694	1.23
430519	3.72

431303	9.88
431778	7.43
430709	7.43
430523	3.72
431342	48.30
431323	17.31
430773	7.43
431340	1.23
430759	11.15
431456	2.45
430586	1.23
431351	1.22
431785	3.72
430545	3.72
431737	1.23
431454	6.17
431237	7.43
430770	355.42
430866	18.58
430705	3.72
431654	14.86
431655	2.45
431278	1.23
430503	16.09
431275	33.44
430725	18.58
430700	11.15
430530	6.17
430413	1.23
431764	1.23
431224	7.43
431726	7.43
430834	40.87
430838	52.01
430823	7.43
431395	3.72
430566	204.33
431418	18.58
430541	11.15
431784	3.72
430599	4.94
431420	11.15
431379	3.72
430819	43.32
430714	3.72
430621	3.72
430450	2.45

431500	9.88
431641	3.72
430678	7.43
430837	7.43
430442	7.43
430630	11.15
431384	4.94
431491	59.44
431503	7.43
431821	30.99
430561	9.88
430514	2.45
431782	1.23
430425	7.43
430482	11.15
430783	48.30
430856	364.07
431230	3.72
431852	3.72
	1,992.34
	110

12/1 Bill #	Credit Amount
432743	19.84
433418	86.71
433420	7.43
432511	146.15
432125	125.09
432217	63.16
433017	11.15
433273	8.70
432876	7.43
432697	32.21
433247	3.72
433218	2.49
432849	65.65
432829	1.27
433403	8.70
432971	31.58
432715	54.50
432786	7.43
432056	7.43
433103	104.02
433281	7.43
432449	3.72
433021	18.58
432884	7.43
432982	23.56
433015	3.72
432068	11.15
432903	3.72
432593	63.16
433243	1.27
431995	9.92
433266	3.72
432847	97.86
432589	3.72
432052	3.72
433138	52.01
433164	5.57
433014	18.58
432878	13.64
432478	9.92
433020	14.86
433358	126.31
432879	7.43
432315	7.43

432399	125.09
432648	18.58
433211	22.29
433077	55.73
432781	11.15
433136	11.15
432828	33.44
432218	19.84
433063	14.86
433311	18.58
433142	18.58
432628	26.01
433349	3.72
433258	3.72
432502	30.99
432343	7.43
432535	39.64
432669	11.15
432643	26.01
432276	11.15
432027	11.15
432379	111.45
433342	2.49
432724	11.78
432731	30.97
432257	24.78
433269	55.73
432159	7.43
432654	11.15
432092	11.15
433295	1,801.78
433256	3.72
432490	8.70
432448	29.72
432688	50.79
432834	1.27
432436	143.66
432213	12.41
432364	78.02
433217	11.15
433161	53.28
432677	14.86
432097	14.86
432238	8.70
433371	4.98
432306	135.01
431943	3.72

433402	90.43
432249	3.72
432362	40.87
433430	14.86
432805	13.64
433016	6.21
432373	11.15
432395	9.92
433259	3.72
433365	3.72
433132	39.64
432545	97.86
433284	29.72
432989	75.57
432385	42.13
432477	106.51
432119	1.27
433102	144.89
432205	49.56
432043	3.72
432713	54.50
433235	1.27
431962	2.49
432599	17.35
432020	1.27
432445	230.33
432327	314.55
432751	7.43
432073	14.86
432406	4.98
433113	27.27
432870	42.13
432437	142.44
432886	35.93
432841	9.92
432811	74.30
433354	69.36
432206	45.85
432912	14.86
432296	29.72
432932	14.86
433326	6.21
432626	66.87
433264	1.86
432236	219.19
432857	7.43
432859	7.43

432813	14.86
432840	3.72
432433	106.51
433051	14.86
432537	11.15
432215	16.13
432155	18.58
433270	11.15
432261	38.42
432311	61.93
432475	65.65
432076	1.27
432843	14.86
432250	58.22
433197	44.58
433323	3.72
431950	16.13
431942	1.25
432352	4.98
432504	24.78
432207	1.27
432533	59.44
432581	6.21
432329	27.27
432826	14.86
432742	6.21
432198	7.43
433254	7.43
432227	27.27
432355	3.72
431941	78.02
432405	146.15
433359	7.43
432340	23.56
432527	206.82
432739	3.72
432491	3.72
433305	7.43
433212	34.70
433261	53.28
432642	1.27
432438	215.47
432083	14.86
432791	35.93
433131	3.72
433341	1.86
432709	8.70

432357	242.74
432361	101.57
432042	3.72
433122	33.44
432963	29.72
432837	50.79
432050	11.15
433124	204.33
433025	11.15
433332	7.43
432935	13.64
432219	7.43
432350	48.30
432053	8.70
433372	14.86
432128	4.98
432762	14.86
432170	14.86
432211	76.79
432469	177.10
432187	83.00
432332	164.73
432237	60.71
433179	18.58
433412	3.72
432894	24.78
432638	91.65
432674	44.58
432269	14.86
432278	26.01
432676	4.98
432458	53.28
433153	19.84
432287	3.72
432698	13.64
433296	58.22
432529	110.23
432655	27.27
433262	3.72
432899	239.03
433098	26.01
432967	18.58
432294	8.70
432171	86.71
432314	16.13
432451	24.78
432254	2.49

432455	203.10
432453	49.56
432852	11.15
432597	13.64
432681	17.35
432246	2.49
433236	12.41
431991	13.00
432909	13.64
432420	50.79
433351	11.15
432966	14.86
432523	37.15
432722	23.56
432758	4.98
432637	61.93
432801	7.43
432965	7.43
433129	3.72
432162	28.50
432737	66.87
432415	55.73
432493	48.30
432853	8.70
433039	6.21
432232	71.85
432812	6.21
432819	7.43
433054	12.41
433135	18.58
432550	18.58
432668	7.43
432927	4.98
433143	60.71
432682	7.43
432996	11.15
432733	14.86
433396	3.72
433432	11.15
432418	11.15
432763	14.86
432947	7.43
433390	71.85
431937	1.27
432546	14.86
432512	2.49
432549	23.56

433141	1.27
431959	4.98
432686	17.35
432136	8.70
432880	33.44
432194	84.22
433022	3.72
432868	19.84
432400	245.19
433298	28.50
432342	2.49
432888	97.86
432929	14.86
432517	39.64
432244	53.28
432380	11.15
432917	22.29
432348	35.93
433038	9.92
432383	32.21
433393	7.43
432331	142.44
432807	7.43
432691	4.98
432401	1.27
432317	3.72
432551	14.86
432188	22.29
433389	28.50
433383	6.21
431934	44.58
432766	12.41
433069	315.78
431944	22.29
432776	14.86
432304	16.13
432153	61.93
432208	86.71
433238	3.72
432079	5.58
432243	3.72
432898	18.58
432839	34.70
432252	59.44
432552	125.09
432867	99.08
432515	11.15

432639	33.44
433168	3.72
433382	1.27
432516	74.30
433330	18.58
432957	16.13
432706	24.78
432432	8.06
432168	18.58
433056	1.27
432134	4.98
433400	40.87
432374	84.22
433215	3.72
432463	32.21
433147	2.49
431949	8.70
432210	14.86
432295	32.21
432351	6.21
432471	109.00
432183	2.49
431953	8.70
433440	3.72
431964	7.43
431966	9.92
431977	14.86
431978	7.43
431979	7.43
431980	1.27
432482	16.13
432694	13.64
432367	64.42
433355	56.99
432435	159.75
433244	29.72
432067	7.43
432961	26.01
432282	3.72
432975	32.21
433029	11.15
431967	89.16
431968	52.01
431969	14.86
431971	89.16
431973	69.36
431974	48.30

431975	14.86
431976	52.01
432115	864.37
432117	66.87
433002	17.35
432915	7.43
433146	48.30
432981	2.49
432542	91.65
433318	13.64
432414	35.30
433409	48.30
432446	21.07
433385	3.72
431987	7.43
433209	2.49
432560	6.21
432371	188.24
433210	18.58
432424	4.98
432913	37.15
431960	11.15
431936	7.43
433364	3.72
432854	4.98
432891	1.27
432048	14.86
432372	38.42
432356	9.92
433242	11.15
433378	4.98
433229	76.79
432346	189.47
432388	3.72
433221	3.72
432386	24.78
432058	3.72
432846	5.57
432047	6.21
433367	3.72
432439	34.70
433134	2.49
432191	3.72
432823	11.15
432165	6.21
433245	6.21
432810	2.49

432430	104.02
432487	27.27
432046	4.96
433035	4.98
432720	64.42
432773	14.86
431946	8.70
432055	11.15
433007	8.70
433338	6.21
432234	11.15
432176	3.72
433335	14.86
432259	3.72
432693	3.72
433240	49.56
432798	37.15
432863	3.72
433140	11.15
432904	18.58
432060	7.43
432389	169.67
432192	53.28
432195	74.30
432543	26.01
433005	3.72
432803	7.43
432918	278.63
433087	37.15
432028	8.70
432409	7.43
432651	16.13
432505	34.70
433333	2.49
432179	3.72
432199	2.49
433329	11.15
432821	27.27
432983	11.15
432540	118.88
432281	18.58
432365	24.78
432087	6.21
431940	1.27
432298	18.58
431997	18.58
432780	52.01

433224	1.27
432423	34.70
433438	11.15
433156	6.21
432892	23.56
433137	3.72
433315	16.13
433320	86.71
432641	73.08
432723	2.49
432141	14.86
432882	58.22
432422	89.16
433357	3.72
432391	9.92
432360	131.29
432177	9.92
432687	37.15
432268	4.98
432202	42.13
432635	14.86
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432032	74.30
433104	142.44
432104	44.58
432606	3.72
432877	3.72
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433230	58.22
432653	45.85
432292	4.98
432090	22.29
432646	6.21
432150	40.87
432548	156.03
432419	26.01
432376	281.12
432507	16.13
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432279	59.44
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432735	35.93

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433195	2.49
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432070	6.21
433263	3.72
433157	22.29
432347	54.50
432939	3.72
432075	2.49
432417	39.64
432832	4.98
433417	18.58
432893	12.41
433308	11.15
433310	11.15
433312	3.72
432875	11.15
432890	13.64
432825	123.86
433387	3.72
432421	242.74
433343	3.72
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433009	14.86
432214	34.70
432441	4.98
432753	3.72
432258	33.44
432335	9.92
432994	6.21
432973	7.43
432303	2.49
432696	1.27
432393	121.37
432645	11.15
432509	11.15
433255	14.86
432231	1.27
432544	97.86
432072	14.86
432985	3.72
432325	37.15
432174	29.72
433388	28.50
432131	11.15
433214	3.72
432169	13.00

432062	3.72
432005	14.86
432264	22.29
432667	30.99
433061	4.98
432152	48.30
432494	14.86
433045	75.57
432931	4.98
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433203	3.72
433306	7.43
432558	14.86
432428	35.93
433139	1.86
432180	38.42
432936	11.15
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432220	3.72
433392	3.72
433200	3.72
432749	3.72
433163	9.92
432685	3.72
432267	3.72
433257	11.15
433331	11.15
432098	11.15
433033	16.72
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432256	3.72
433246	7.43
432987	27.27
433032	27.27
432341	53.28
432390	14.86
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433213	50.79
431952	3.72
433207	26.01
432094	14.86
432381	33.44
432519	64.42
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432820	2.49

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431947	2.49
432911	6.21
433116	8.70
432595	7.43
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432836	37.15
432402	64.42
432044	63.16
432629	2.49
433285	7.43
432349	8.70
433151	11.78
433384	11.15
433059	3.72
432122	8.70
432337	21.07
432185	22.29
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433062	6.21
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432926	37.15
433267	3.11
432375	9.29
432164	48.30
432827	8.70
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432452	13.64
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432962	52.01
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432066	3.72
432910	11.15
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432069	3.72
432995	11.15
432633	74.30
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432969	7.43
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432063	3.72
432923	21.07
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432848	18.58
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433013	7.43
432761	3.72
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432844	28.50
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432960	4.98
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432270	11.15
433265	1.86
433052	14.86
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432792	6.21
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432999	7.43
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432387	35.93
432869	39.64
433413	1.27
433327	3.72
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433076	11.15
432634	9.92
432513	9.92
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433027	22.29
433046	6.21
433234	3.72
432563	8.70
432644	54.50
433106	23.56
432752	17.35

432241	14.86
432121	14.86
433085	33.44
433145	7.43
433058	0.63
432173	9.92
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432804	14.86
432089	7.43
432818	8.70
432815	48.30
432274	18.58
432954	13.64
432326	111.45
433047	14.86
432712	78.02
432316	21.07
433118	11.15
433119	27.27
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432789	1.27
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432411	11.15

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432925	34.70
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432189	3.72
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432186	14.86
432800	8.70
432408	102.80
432175	14.86
432740	21.07
432404	80.51
	31,004.40
	872.00

CITY OF BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill

MEETING DATE: May 9, 2023 **ESTIMATED TIME:**

AGENDA ITEM: Authorize Amendment No. 2 to the Professional Services Agreement with Herrera Environmental Consultants, Inc. ($43,445.00), and Approve a Related Budget Amendment for the Watershed Assessment of Manzanita program ($45,000.00 Storm and Surface Water Management Fund) – Public Works,

SUMMARY: City staff are requesting that the City Council consider authorizing the City Manager to approve Amendment No. 2 to the Professional Services Agreement with Herrera Environmental Consultants, Inc. for the Watershed Assessment of Manzanita support services in the amount of $43,445.00; and to approve a related budget amendment of $45,000.00 from the Storm and Surface Water Management Fund, thereby increasing the spending authority for this project.

AGENDA CATEGORY: Consent Agenda **PROPOSED BY:** Public Works

RECOMMENDED MOTION: Move to authorize the City Manager to execute Amendment No. 2 to the Professional Services Agreement with Herrera Environmental Consultants, Inc., in the amount of $43,445.00 in support of the Watershed Assessment of Manzanita program; and approve a related budget amendment of $45,000.00 from the Storm and Surface Water Management Fund, thereby increasing the spending authority for this project.

COMMUNITY ENGAGEMENT AND OUTREACH: This project has had extensive engagement with city partners, and broader public engagement is planned later in 2023.

FISCAL IMPACT:	
Amount:	$43,455.00
Ongoing Cost:	
One-Time Cost:	$43,455.00
Included in Current Budget?	No

BACKGROUND: The Manzanita Watershed project is an ecological assessment and restoration plan that aims to improve the hydrologic cycle and return it closer to its natural state. The project is scoped and funded in accordance with a National Estuary Program (NEP) grant that was secured from the Department of Ecology in 2020.

The hydrologic cycle in the Manzanita Watershed supplies water to wells for drinking and domestic uses as well as to the local streams and wetlands for the benefit of wildlife. Prior to development, rainfall in the watershed remained in the soil and aquifers for these purposes. Currently, however, development (roads,

houses, lawns, etc.) short circuits the water cycle by converting rain directly to stormwater runoff. The watershed project will map impacts, and develop concepts to slow down the runoff and replenish the shallow aquifers, raising summer baseflow in the streams and keeping riparian corridors wet, which also serve as crucial wildfire breaks. The Consultant is providing a variety of tasks including the production of “shovel ready” set of plans to construct one of the recommended stormwater retrofit facilities.

At their June 8, 2021, regular meeting, the City Council approved a contract for support services - including production of a heat map of the stormwater influences within the basin that help to define potential areas for correction, identify stormwater facility sites, evaluate and rank project opportunities, and produce preliminary and final designs - in the amount of $187,000.00. Since that time, Amendment No. 1 was executed on January 27, 2023, extending the contract date to July 30, 2023 and increasing the scope of services and contract value to $216,838.34 with additional grant funds from the NEP.

Amendment No. 2 is for additional consultant fees related to the increased cost of the design work. Due to the large size and complexity of the selected facility location (which was still undetermined at the time of the original contract scoping,) the design process will cost more than originally approved. Upon approval of Amendment No. 2, the revised contract amount will be $260,283.34.

The watershed work is supporting current regulatory requirements of the city's National Pollutant Discharge Elimination System (NPDES) permit. The work addressed as part of Amendment No. 2 will likely be required by the City's NPDES permit after the next annual cycle of updates approved by the State.

ATTACHMENTS:

Manzanita Watershed Staff Memo.docx

Amendment No 2 to PSA.docx

Exhibit A_Cost increase.pdf

Exhibit B_Schedule.pdf

Exhibit C_Map.pdf

FISCAL DETAILS: All of the current contract costs, $216,838 are covered by the NEP grant. The requested budget amendment of $45,000 from the Storm and Surface Water Fund will cover the cost of the Amendment No. 2, and will be the first costs (other than staff time) supported by the City.

Fund Name(s): SSWM Fund

Coding: MUNIS Project #01129

MEMORANDUM

Date: March 15,2023

To: Chris Wierzbicki, Director, COBI PW

From: Christian Berg, Water Resources Specialist, COBI PW

RE: Background on Amendment no. 2 of PSA with Herrera for Manzanita

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During initial scoping for the Watershed Assessment of Manzanita the original estimate that was presented by Herrera was sufficient to cover contingencies and unknowns such as the size and complexity of the top ranked project. The City negotiated this budget down to fit within the available grant funds. Now that we have agreed on a top ranked project that is relatively large (approximately 2 acres) and complex (multiple vested stakeholders) an increase in budget for this task is necessary to cover the costs associated with a full bid package deliverable.

It is of note that the Manzanita watershed is officially designated as the priority watershed for restoration based on the Stormwater Action Management Planning process (required by NPDES Phase II stormwater permit). Moving forward with implementation of stormwater retrofits in this watershed will likely be required by future NPDES permits. Having a 'shovel ready' design on hand will increase our readiness and competitiveness with grant applications.

This design may lead to a new template for naturalized stormwater ponds on BI. This design will give the city a chance to implement a different approach to stormwater facility operation and maintenance, including, planting side slopes and shoulders with native shrubs rather than grasses, utilizing adjustable orifices to adaptively manage performance, incorporated trails into the facility, and incorporation of a 'switch' to turn the facility off/on.

See additional details in the explanation of the cost increase provided by Herrera, below.

cc: File

CITY OF BAINBRIDGE ISLAND WATERSHED ASSESSMENT, DESIGN, AND FUNDING

On February 14th, 2023, the City of Bainbridge Island (the City) agreed Herrera Environmental Consultants, Inc. (Herrera) could request a contract amendment for additional costs associated with designing a stormwater park at the Bainbridge Island Native Food Forest (BINFF) that is embraced by the community and Friends of the Farms.

Reason for the Amendment

When the baseline contract was established, it was not known which site would be selected for design. The baseline contract established a budget of $51,413 for preliminary and final design. The level of effort required to design the BINFF Stormwater Park, which is estimated to have a construction cost of approximately $700,000, exceeds this budget due to several factors. An additional $43,445 is requested to address the design complexity factors and scope of work described below. With the requested budget, the total budget for preliminary design, final design, and design-related coordination with the steering committee would be $94,858.

Summary of Factors that Increase Design Complexity and Level of Effort

- To be successful, the design needs to address the needs of the community, project steering committee, and Friends of the Farms. These needs include integration with the BINFF site context, preservation of existing mature forest areas, planting the facility with native edible species, improving habitat for native species, and creating a positive user experience within the project area.

- The size of the project site (2 acres), site characteristics, geotechnical uncertainty, large drainage basin (18 acres), and type of stormwater management facility require additional design effort:

    - Multiple conceptual layouts were developed to identify a preliminary design option that balances stormwater management performance and stakeholders' goals for the project, given the steep slope (~12%) of the existing landscape.

    - Conceptual layouts examined maximizing stormwater management performance that would have resulted in clearing most of the mature forest on the site, a multi-celled pond layout that would provide natural channels and amphibian habitat but reduced stormwater performance, and a balanced concept that

preserved mature forest areas while still providing significant stormwater benefits and improvements to habitat.

- The proposed facility will function as an infiltration facility, which requires design of a pretreatment unit and multiple maintenance access points for the facility inlet and outlet. The ability to bypass flow around the facility during maintenance is also desirable so maintenance can be conducted in the dry.

- With limited geotechnical information, the excavation of the pond and the outlet structure design will both include adaptive management. This will enable the City to adjust the pond's function in the future based on observed performance or because of changes to stormwater management goals within the watershed, for example to increase the annual amount of groundwater recharge.

Scope of Services Already Provided

Herrera has provided the following design services in support of the 30 percent design.

- Prepared multiple pond configurations to achieve the following objectives:
  - Maximize the water quality benefit through pond volume
  - Protect as many trees as possible
  - Develop a freeform naturalistic design
  - Create habitat for amphibians
- Completed multiple model simulations to compare the benefits of different pond and outlet structure configurations and performance goals (i.e. maximum flow control, maximum water quality treatment, maximum infiltration)
- Developed multiple maintenance access routes and road/loop trail on the east side of the pond
- Explored options for keeping the facility offline until plants are established
- Visited the site to verify base mapping
- Visited the site to review the preliminary design and meet with stakeholders

Scope of Services Ongoing

Herrera will provide the following design services in support of the 60, 90, and 100 percent complete design. The baseline project budget will not be adequate to cover the level of effort required for the scope of design described below.

- Develop a detailed planting plan:
    - Coordination of design with stakeholders at 60 and 90 percent design
    - Selecting plant species based on inundation frequency (requires additional modeling)
- Design inlet conveyance that allows the facility to be kept offline for the first year and to enable water to be diverted around the facility when needed for maintenance.
- Explore trail surfacing and edge treatments to prevent erosion and decrease maintenance costs
- Design parking area grading to improve accessibility
- Design naturalistic energy dissipation where pond outlets to existing ditch
- Design spillway, overflow conveyance ditching, and secondary conveyance inlet
- Design the bottom of the facility to include excavation down to the anticipated infiltration receptor layer and create provisions for less or more excavation, based on observation by a hydrogeologist, so the subgrade excavation depth can be managed adaptively and cost effectively during construction
- Design the outlet control structure with replaceable orifice plates so the performance can be modified to address differing geotechnical conditions or provide a greater volume of infiltration and groundwater recharge
- Conduct a site visit to field verify the 90 percent design

AMENDMENT NO. 2 TO
AGREEMENT FOR PROFESSIONAL SERVICES

THIS AMENDMENT NO. 2 TO THE AGREEMENT FOR PROFESSIONAL SERVICES ("Amendment") amends the Agreement for Professional Services ("Agreement") entered into on June 14, 2021, by the City of Bainbridge Island, a Washington State municipal corporation ("City"), and Herrera Environmental Consultants, Inc., a Washington State corporation ("Consultant").

WHEREAS, the City and the Consultant entered into the Agreement to provide professional services in connection with the ecological assessment and restoration of Manzanita Watershed by means of correcting the hydrologic cycle and returning it closer to its natural state; and

WHEREAS, the City desires to increase the services provided under the Agreement, extend the term of the Agreement, and to amend the maximum amount payable under the Agreement.

NOW, THEREFORE, the City and the Consultant agree to amend the Agreement as follows:

1. Section 2.A. is hereby amended to read as follows:

A. This Agreement shall become effective upon execution by both parties and shall continue in full force and effect until ~~July 30, 2023~~ December 30, 2023, unless sooner terminated by either party as provided below.

2. Section 3.A. – is hereby amended to read as follows:

A. The City shall pay the Consultant hourly, plus actual expenses, in accordance with **Attachment B**, but not more than a total of ~~Two Hundred Sixteen Thousand, Eight Hundred Thirty-Eight and 34/100 dollars~~ Two Hundred Sixty Thousand Two Hundred Eighty-Three and 34/100 Dollars ($~~216,838.34~~ 260,283.34);

3. Attachment B, Scope of Services, is hereby amended as set forth on Exhibits A and B.

4. Except as modified herein, all other terms and conditions to the Agreement shall remain in full force and effect.

IN WITNESS WHEREOF, the parties have executed this Amendment to the Agreement as of the later of the signature dates included below.

HERRERA ENVIRONMENTAL CONSULTANTS, INC.	CITY OF BAINBRIDGE ISLAND
Date:_____	Date:_____
By:_____	By:_____
Name_____	Blair King, City Manager
Title_____	
Tax I.D. #_____	
City Bus. Lic. #_____	

Exhibit A: In addition to the budget established in Amendment No 1.

HERRERA

Cost Estimate for City of Bainbridge Island Watershed Assessment, Design and Funding
Herrera Project No. 21-07564-000

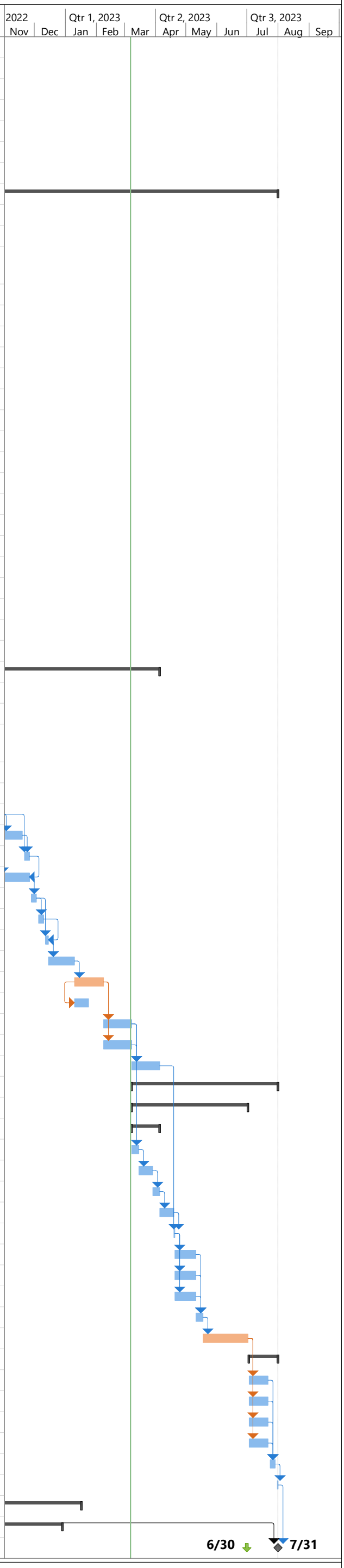
3/7/2023

			Task No.	2	Total
				Locate and Design Facilities - NEP Task 4	
Herrera Labor based on:	Burdened Labor Rates				
Staff	**Labor Category**	**2023 Burdened Labor Rates**			
Webb, Christopher	Engineer VI	$290.16		6	6
Fontaine, Matthew	Engineer V	$255.79		27	27
Werner, David	Engineer III	$173.45		124	124
Mullen, Meghan	Engineer III	$159.87		10	10
Forester, Kate	Landscape Architect V	$204.51		17	17
Holtz, Mary	Landscape Designer I	$113.80		62	62
Marshall, Eric	CAD Technician IV	$167.84		88	88
		Total Hours per Task		334	334
		Subtotal Labor		$57,057	$57,057
		Subtotal Herrera Labor		**$57,057**	**$57,057**
		Cost To Complete Grand Subtotal		**$57,057**	**$57,057**
		Less Design Budget Remaining			-$13,612
		Additional Budget Requested			**$43,445**

Exhibit B: To replace the original Schedule in it's entirety.

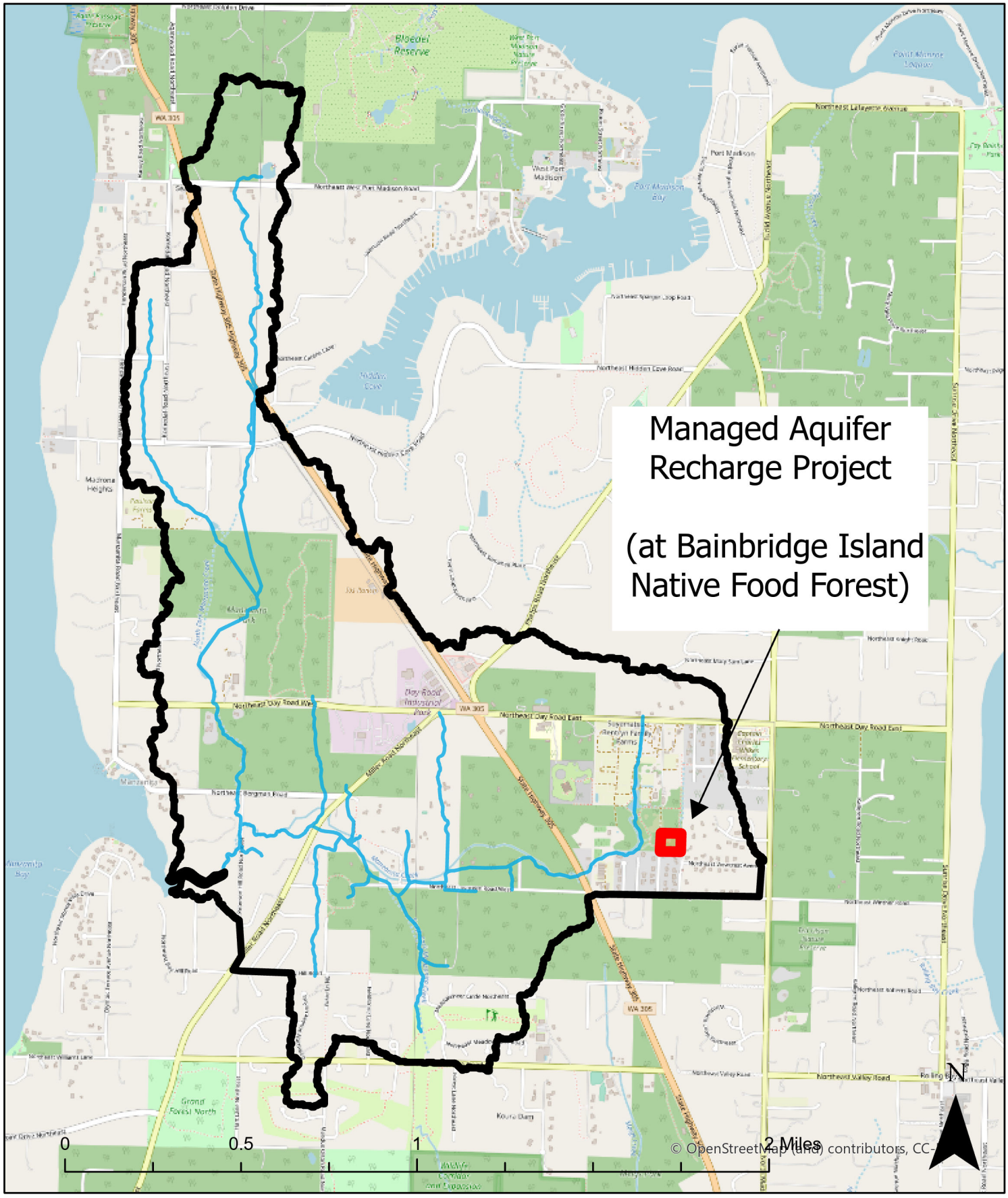
Schedule for Watershed Assessment, Design, and Funding - Revised March 7, 2023

ID	Task Name	Duration	Start	Finish
1	**Notice to Proceed**	0 days	Tue 6/8/21	Tue 6/8/21
2	**Task 1.0 - Watershed Characterization - NEP Task 3.1**	**63 days**	**Tue 6/8/21**	**Fri 9/3/21**
3	Kickoff Call - documents/reports/GIS layers/goals	3 days	Tue 6/8/21	Thu 6/10/21
4	Collect and record documents/reports/GIS layers	5 days	Fri 6/11/21	Thu 6/17/21
5	Review background information	5 days	Fri 6/18/21	Thu 6/24/21
6	Heat map of stormwater influence	10 days	Fri 6/25/21	Fri 7/9/21
7	City Prepare Report on Watershed Processes	60 days	Fri 6/11/21	Fri 9/3/21
8	**Task 2.0 - Locate and Design Facilities - NEP Task 4**	**490 days**	**Tue 9/7/21**	**Mon 7/31/23**
9	**Subtask 2.1 - Stormwater Facility Opportunity Sites**	**175 days**	**Tue 9/7/21**	**Mon 5/16/22**
10	GIS analysis identifying opportunitiy sites	10 days	Tue 9/7/21	Mon 9/20/21
11	Delevelop initial site evaluation criteria (quantitative and qualitative)	10 days	Tue 9/7/21	Mon 9/20/21
12	City review and input on criteria	5 days	Tue 9/21/21	Mon 9/27/21
13	Prep for field work	5 days	Tue 9/28/21	Mon 10/4/21
14	1 day field reconnaissance site evaluation	1 day	Tue 10/5/21	Tue 10/5/21
15	Storymap documenting results and screening assessment	5 days	Wed 10/6/21	Wed 10/13/21
16	City review of story map	5 days	Thu 10/14/21	Wed 10/20/21
17	Revise story map	5 days	Thu 10/21/21	Wed 10/27/21
18	Steering committee review of story map	5 days	Thu 10/28/21	Wed 11/3/21
19	Steering committee workshop	1 day	Thu 11/4/21	Thu 11/4/21
20	Initial Ranked List and Map of Project Locations	3 days	Fri 11/5/21	Tue 11/9/21
21	Desktop Review of Infiltration at up to 5 Priority Sites	10 days	Wed 11/10/21	Tue 11/23/21
22	Field visit with City & committee members to top 3 to 5 site	5 days	Wed 11/24/21	Thu 12/2/21
23	Ranked List and Map of Project Locations	5 days	Fri 12/3/21	Thu 12/9/21
24	City prepare cultural resources documents	5 days	Fri 12/10/21	Thu 12/16/21
25	DAHP review of cultural resource documents	30 edays	Thu 12/16/21	Sat 1/15/22
26	Preliminary geotechnical exploration of top 2 or 3 sites	42 days	Tue 1/18/22	Wed 3/16/22
27	Draft Geotechnical TM	28 days	Thu 3/17/22	Mon 4/25/22
28	City Review of Draft Geotechnical TM	10 days	Tue 4/26/22	Mon 5/9/22
29	Final Geotechnical TM	5 days	Tue 5/10/22	Mon 5/16/22
30	**Subtask 2.2 - Preliminary Designs**	**341 days**	**Fri 12/10/21**	**Tue 4/4/23**
31	2 Draft Preliminary design packages	80 days	Tue 5/17/22	Mon 9/5/22
32	City review summary sheets	5 days	Tue 9/6/22	Mon 9/12/22
33	2 Final Preliminary design packages (summary sheet packages, not reports)	10 days	Tue 9/13/22	Mon 9/26/22
34	Site Survey and Base Mapping	160 days	Fri 12/10/21	Mon 7/25/22
35	Review survey and integrate into design	10 days	Tue 7/26/22	Mon 8/8/22
36	30% Design Drawings - 1 site	24 days	Tue 9/27/22	Fri 10/28/22
37	30% Cost Estimate	15 days	Mon 10/31/22	Fri 11/18/22
38	30% Design QA/QC	5 days	Mon 11/21/22	Fri 11/25/22
39	Design Report	20 days	Mon 10/31/22	Fri 11/25/22
40	Design Report QA/QC	5 days	Mon 11/28/22	Fri 12/2/22
41	Complete Cost Estimate	5 days	Mon 12/5/22	Fri 12/9/22
42	City Review Design Report	3 days	Mon 12/12/22	Wed 12/14/22
43	Revised Design Report	18 days	Thu 12/15/22	Mon 1/9/23
44	Ecology Review	29 edays	Mon 1/9/23	Tue 2/7/23
45	Stakeholder Meeting	10 days	Tue 1/10/23	Mon 1/23/23
46	Response to Ecology Comments	20 days	Wed 2/8/23	Tue 3/7/23
47	Revised Design Report	20 days	Wed 2/8/23	Tue 3/7/23
48	Design Report Acceptance Letter	20 days	Wed 3/8/23	Tue 4/4/23
49	**Subtask 2.3 - Final Design**	**104 days**	**Wed 3/8/23**	**Mon 7/31/23**
50	**2.3a - 90% Design**	**83 days**	**Wed 3/8/23**	**Sat 7/1/23**
51	**60% Progress Print**	**20 days**	**Wed 3/8/23**	**Tue 4/4/23**
52	Develop Prelim Planting Plan	5 days	Wed 3/8/23	Tue 3/14/23
53	Coordinate Planting with Steering Committee	10 days	Wed 3/15/23	Tue 3/28/23
54	Revise Planting Plan and Remaining Plans	5 days	Wed 3/29/23	Tue 4/4/23
55	City Review 60% Status Print	10 days	Wed 4/5/23	Tue 4/18/23
56	60% - 90% design discussion meeting	1 day	Wed 4/19/23	Wed 4/19/23
57	90% design drawings	15 days	Thu 4/20/23	Wed 5/10/23
58	90% construction specifications (as special provisions)	15 days	Thu 4/20/23	Wed 5/10/23
59	90% engineer's estimate of construction cost	15 days	Thu 4/20/23	Wed 5/10/23
60	90% QA and Address Comments	5 days	Thu 5/11/23	Wed 5/17/23
61	Ecology Review	45 edays	Wed 5/17/23	Sat 7/1/23
62	**Subtask 2.3b - 100% Design**	**21 days**	**Mon 7/3/23**	**Mon 7/31/23**
63	Response to Ecology Comments on 90% Design	15 days	Mon 7/3/23	Fri 7/21/23
64	100% design drawings	15 days	Mon 7/3/23	Fri 7/21/23
65	100% construction specifications (as special provisions)	15 days	Mon 7/3/23	Fri 7/21/23
66	100% engineer's estimate of construction cost	15 days	Mon 7/3/23	Fri 7/21/23
67	100% QA and Address Comments	5 days	Mon 7/24/23	Fri 7/28/23
68	Submit 100% Design to Ecology	1 day	Mon 7/31/23	Mon 7/31/23
69	**Task 3.0 - Alternative Funding Options - NEP Task 5**	**521 days**	**Mon 1/4/21**	**Mon 1/16/23**
103	**Task 4.0 - Project Management**	**400 days**	**Tue 6/8/21**	**Wed 12/28/22**
109	**Project Complete**	0 days	Mon 7/31/23	Mon 7/31/23



Project: BI-WatershedAssessme
Date: Tue 3/7/23

Task Milestone Summary Deadline



Watershed Assessment of Manzanita

CITY OF BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill

MEETING DATE: May 9, 2023 **ESTIMATED TIME:**

AGENDA ITEM: Appoint Three Planning Commission Members to the Steering Committee Created by Resolution No. 2023-03

SUMMARY: Resolution No. 2023-03 established a Steering Committee for the City of Bainbridge Island's Winslow Subarea Plan update and the Comprehensive Plan periodic review. It calls for the Steering Committee to be made up of three members of the Planning Commission and three City Council members. At its April 27, 2023 regular meeting the Planning Commission unanimously recommended Planning Commissioners Yesh Subramanian, Arial Birtley and Sean Sullivan for consideration by the Council.

AGENDA CATEGORY: Consent Agenda **PROPOSED BY:** Planning & Community Development

RECOMMENDED MOTION: Appoint Planning Commissioners Yesh Subramanian, Ariel Birtley and Sean Sullivan to the Steering Committee overseeing the Winslow Subarea Plan update and the Comprehensive Plan periodic review.

COMMUNITY ENGAGEMENT AND OUTREACH:

FISCAL IMPACT:

Amount:	
Ongoing Cost:	
One-Time Cost:	
Included in Current Budget?	

BACKGROUND: On April 18, 2023, the City Council chose to establish a six-member steering committee to serve the duration of the development of the Winslow Subarea Plan and the Comprehensive Plan. The Council collectively discussed the oversight role and purpose of the committee that was suggested by staff and agreed in general with those, making special note that an equity and climate lens be applied to all of the tasks of the projects' workplans. To that end the oversight role and purpose of the committee will be to:

- Review and critique public engagement plan
- Provide recommendations on planned public outreach and community engagement events
- Provide recommendations concerning deliverables, work plan, and schedule
- Assist staff and consultant team in maintaining community perspective and hierarchy of issues and outcomes

- Assist staff with monitoring budget and cost containment

- Report meeting summaries and project activities to respective council, commission and city advisory boards and committees

- Apply an equity lens consistent with the Government Alliance for Race Equity's racial equity assessment as well as a climate lens to all project work, activities, and outcomes

ATTACHMENTS:

FISCAL DETAILS:

Fund Name(s):

Coding:

CITY OF BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill

MEETING DATE: May 9, 2023 **ESTIMATED TIME:**

AGENDA ITEM: Authorize City Manager to Move Forward with Executing a Contract for Facilitation Services not to Exceed $65,000 to Assist the Steering Committee Overseeing the Winslow Subarea Plan Update and the Comprehensive Plan Periodic Review - Planning

SUMMARY: This action authorizes the City Manager to solicit professional facilitation services for the Steering Committee overseeing the Winslow Subarea Plan update and the Comprehensive Plan periodic review, established by Resolution No. 2023-03.

AGENDA CATEGORY: Consent Agenda **PROPOSED BY:** Planning & Community Development

RECOMMENDED MOTION: Move to authorize City Manager to move forward with executing a contract for Facilitation Services to not to exceed $65,000 to assist the Steering Committee overseeing the Winslow Subarea Plan update and the Comprehensive Plan periodic review.

COMMUNITY ENGAGEMENT AND OUTREACH: Previous Planning Commission meetings, City Council study sessions and regular business meetings

FISCAL IMPACT:

Amount:	
Ongoing Cost:	
One-Time Cost:	65,000
Included in Current Budget?	No

BACKGROUND: On April 25, 2023, the City Council adopted Resolution No. 2023-03 establishing a steering committee to assist in the Winslow Subarea Plan update and the Comprehensive Plan periodic review. The Steering Committee is comprised of three members of the City Council and three members from the Planning Commission. A facilitator will be sought to provide adjunct administrative duties and to prepare, lead discussions, summarize and publish meeting materials. The facilitator will help the Steering Committee stay on task with respect to the approved work plans of the Winslow Subarea Plan update and the Comprehensive Plan periodic review.

ATTACHMENTS:

FISCAL DETAILS: This is will require a budget adjustment which will be considered in the June 13 budget adjustment.

Fund Name(s): General Fund

Coding:

CITY OF BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill

MEETING DATE: May 9, 2023 **ESTIMATED TIME:** 15 Minutes

AGENDA ITEM: Receive City Manager's Report,

SUMMARY: The City Manager's report will provide an update on the US Department of Energy - Energy Transitions Initiative Partnership Program (ETIPP), the Monthly Status Report on the Winslow Subarea Plan, Waste Reduction Ordinance Ad Hoc Committee, and a brief Sustainable Transportation video.

AGENDA CATEGORY: Discussion **PROPOSED BY:** Executive

RECOMMENDED MOTION: Information only.

COMMUNITY ENGAGEMENT AND OUTREACH:

FISCAL IMPACT:

Amount:	
Ongoing Cost:	
One-Time Cost:	
Included in Current Budget?	

BACKGROUND:

ATTACHMENTS:

City Manager's Report - May 9, 2023.pdf

Winslow Subarea Plan Council Update

FISCAL DETAILS:

Fund Name(s):

Coding:

CITY OF
BAINBRIDGE ISLAND

MEMORANDUM

TO: Honorable Mayor and Council

FROM: Blair King, City Manager

SUBJECT: City Manager's Report

DATE: May 9, 2023

US Department of Energy – Energy Transitions Initiative Partnership Program (ETIPP) – In June 2022, the City of Bainbridge Island was selected as one of 12 communities to receive technical assistance from the US Department of Energy to help island and islanded communities transition their energy systems to renewable energy and increase energy resilience. Our goal via the ETIPP program is to move the city towards 100% renewable electricity by 2040 and to increase the resilience of our electric systems on the island.

The City's Climate Mitigation and Adaptation Manager, Autumn Salamack, recently attended a gathering in Golden, CO with communities from across the country participating in the ETIPP program. Participating communities shared overviews of their ETIPP projects and met with regional partners, national lab staff and U.S. Department of Energy management to share information and provide programmatic feedback and strategy development. ETIPP staff will be meeting with City staff and community stakeholders for a site visit and initial review of renewable energy and microgrid options later this month. They will conduct a renewable energy resource assessment and focus on next steps.

Monthly Status Report on the Winslow Subarea Plan – Please see the attached memorandum from the Planning Department advising the Council on the status of the Winslow Subarea Plan. Of note, is the completion of the Existing Conditions portion of the project. The Existing Condition Report is available for review on the City's website. Click on the "Engage Bainbridge" photo.

Waste Reduction Ordinance – the Council Waste Reduction Ad Hoc Committee is continuing to meet to produce recommended amendments to the Waste Reduction ordinance in Chapter 8 of the Municipal Code. Businesses are advised to please not submit product waiver requests at this time until the Ad Hoc Committee completes its work.

Sustainable Transportation Plan Video – a short 2:39 video highlighting the adopted Sustainable Transportation Plan Video will be played.

CITY OF BAINBRIDGE ISLAND

DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT

MEMORANDUM

Date: May 9, 2023

To: City Council via City Manager

From: Patricia Charnas, Director

Project: Monthly Status report on the Winslow Subarea Plan project

The City Council wishes for a monthly status report on the Winslow Subarea Plan update, a City Council High Priority project. The City's project consultant team, led by LMN, is finalizing drafts of the beginning chapters of the plan for public review and comment.

These first plan chapters report on a detailed accounting of existing conditions and give a thorough overview of the results of the first round of community engagement this past winter. These documents form the foundation of the Winslow Subarea Plan update, and will be posted to the project website to allow time for public review and comment. The team is then drafting a **Synthesis and Vision** chapter, using data from the chapters on existing conditions and community engagement. The Synthesis and Vision chapter serves as the basis for the development of alternatives (planned for presentation at a public open house this summer). A draft outline of how the updated Winslow Subarea Plan will be organized is below:

A. Introduction
B. Executive Summary
C. Existing Conditions
D. Outreach and Engagement
E. Synthesis and Vision
F. Alternatives
G. Preferred Alternative
H. Code and Policy Recommendations
I. Next Steps

Upcoming Deliverable Timeline

Document Name	Draft Posted to project website
Existing Conditions	5/2
Outreach and Engagement	5/31
Vision and Synthesis	5/31

We will provide regular monthly updates in addition to announcing community engagement activities.

CITY OF BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill

MEETING DATE: May 9, 2023 **ESTIMATED TIME:** 20 Minutes

AGENDA ITEM: (7:30 PM) Provide Direction on the Definition of Inns in Neighborhood Centers - "Inn Moratorium" - Planning,

SUMMARY: On December 13, 2022, the City Council adopted Ordinance No. 2022-25 establishing a moratorium on new inns in the Neighborhood Center zoning district. Because the moratorium ordinance contains a work plan, the moratorium is in place for one year. Staff seeks direction from City Council on what policy options they wish to have analyzed in the workplan. Policy options include no change to the code regulating inns; modest changes relating to all inns in designated neighborhood center zones; or, to replace the moratorium with permanent regulations meeting community and Council goals.

AGENDA CATEGORY: Discussion **PROPOSED BY:** Planning & Community Development

RECOMMENDED MOTION: (Option 1) Direct staff to prepare an ordinance to clarify the numerical limitations of guest rooms with regard to the definition of inn in all neighborhood centers.

(Option 2) Direct staff to prepare an ordinance providing flexibility for the definition of inns in Lynwood Center, while clarifying the numerical limitations on inns in all other neighborhood centers.

COMMUNITY ENGAGEMENT AND OUTREACH: Planning Commission public meetings on inn proposals; City Council discussion and correspondence; City Council meeting and public hearing.

FISCAL IMPACT:

Amount:	
Ongoing Cost:	
One-Time Cost:	
Included in Current Budget?	

BACKGROUND: On December 13, 2022, the City Council adopted Ordinance No. 2022-05 relating to a moratorium on the development of new inns in the Neighborhood Center Zoning District. Moratoria, or interim zoning ordinances, are permissible under the Revised Code of Washington and require a public hearing within 60 days of adoption, per 35A.63.220 and 36.70A.390. The City Council held the required public hearing on the moratorium on January 24, 2023.

“Inns” are defined in Bainbridge Island Municipal Code 18.36.030 as “a building or group of buildings containing up to 15 guest rooms, where, for compensation, lodging is provided for transient visitors." The City Council

enacted the moratorium to address situations in which a common owner and/or operator may own or operate more than one inn on abutting or nearby properties, thereby creating a group of buildings that functionally operates as a hotel rather than as individual inns. A workplan to address the issue was adopted as part of the ordinance; policy direction is sought to direct staff analysis and preparation of potential revisions to code.

ATTACHMENTS:

FISCAL DETAILS:

Fund Name(s):

Coding:

CITY OF BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill

MEETING DATE: May 9, 2023 **ESTIMATED TIME:** 10 Minutes

AGENDA ITEM: (7:50 PM) Introduce Ordinance No. 2023-16 Relating to Water and Sewer Utility Rate Adjustments - Public Works,

SUMMARY: The Council will consider forwarding Ordinance No. 2023-16 relating to Water and Sewer Utility rate adjustments to the May 23, 2023 regular business meeting for adoption.

AGENDA CATEGORY: Ordinance **PROPOSED BY:** Public Works

RECOMMENDED MOTION: I move to forward for adoption Ordinance No. 2023-16 Relating to Water and Sewer Utility Rate Adjustments to the May 23, 2023 regular business meeting.

COMMUNITY ENGAGEMENT AND OUTREACH: A flyer is being mailed to all water and sewer utility customers with information about the increases.

FISCAL IMPACT:	
Amount:	N/A
Ongoing Cost:	N/A
One-Time Cost:	N/A
Included in Current Budget?	

BACKGROUND: At the April 4, 2023 City Council Study Session, staff presented the recommendations from the Water and Sewer Utility Rate Study Report. In brief, the recommendations include a 25% increase in water rates for three years beginning in 2023, and sewer rate increases equivalent to projected inflation over the same time period. Corresponding increases for both system participation fees are also proposed.

The drivers for the rate increases are related to the need for significant system investments over the next 6 years, including the construction of the new Winslow Water Tank, and upgrades to the Winslow Wastewater Treatment Plant. In the case of the Water Utility, the rates were lowered between 2011 and 2013 and not subsequently increased for inflation until early 2023. Sewer Utility rates were also not increased for inflation until 2023.

Detailed information on the rate increases can be found in the attached study, and on the Finance Department website here.

Since the April 4, 2023 presentation, new information about the cost of planned sewer projects was developed, which impacted some of the background calculations on the Sewer Utility rate increases, including a slight increase in the planned sewer system participation fee. A staff memo outlining the revisions is attached to this agenda item.

Staff will request the corresponding updates to the Water and Sewer Utility Capital Improvement Plan as part of the first quarter budget amendments in June 2023.

ATTACHMENTS:

Final Report - 2022 Utility Rate and SPF Update.pdf

Water_Sewer Rate Study Recommendation Revisions Staff Memo.docx

Ordinance No. 2023-16 Amending Water and Sewer Utility Fees and Repealing Section 13.16.040.A.1 Relating to Partial Deposits for Limited Reservation of Water or Sewer Capacity.docx

Ordinance No. 2023-16 Exhibit A Water and Sewer Participation Fees.docx

Ordinance No. 2023-16 Exhibit B Water and Sewer Monthly Rates.docx

Upcoming Water Rate Changes.pdf

FISCAL DETAILS: N/A

Fund Name(s): Water Fund

Coding: N/A

FCS GROUP
Solutions-Oriented Consulting



2022 Utility Rate & System Participation Fee Update

Final Report // April 2023

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Appendix A: Water Rate & SPF Model
Appendix B: Sewer Rate & SPF Model

GLOSSARY OF ACRONYMS

- CCF: Hundred Cubic Feet
- CIP: Capital Improvement Plan
- CPI: Consumer Price Index
- DWSRF: Drinking Water State Revolving Fund
- ERU: Equivalent Residential Unit
- GIS: Geographic Information Systems
- GO: General Obligation (Bond)
- GPM: Gallons per Minute
- KCSD: Kitsap County Sewer District No. 7
- LGIP: Local Government Investment Pool
- LTGO: Limited-Term General Obligation (Bond)
- MCE: Meter Capacity Equivalents
- MGD: Millions of Gallons per Day
- MSE: Meter-and-Service Equivalents
- O&M: Operation & Maintenance
- PWTF: Public Works Trust Fund
- RCW: Revised Code of Washington
- SPF: System Participation Fee
- UAC: Utility Advisory Committee
- WWTP: Wastewater Treatment Plant

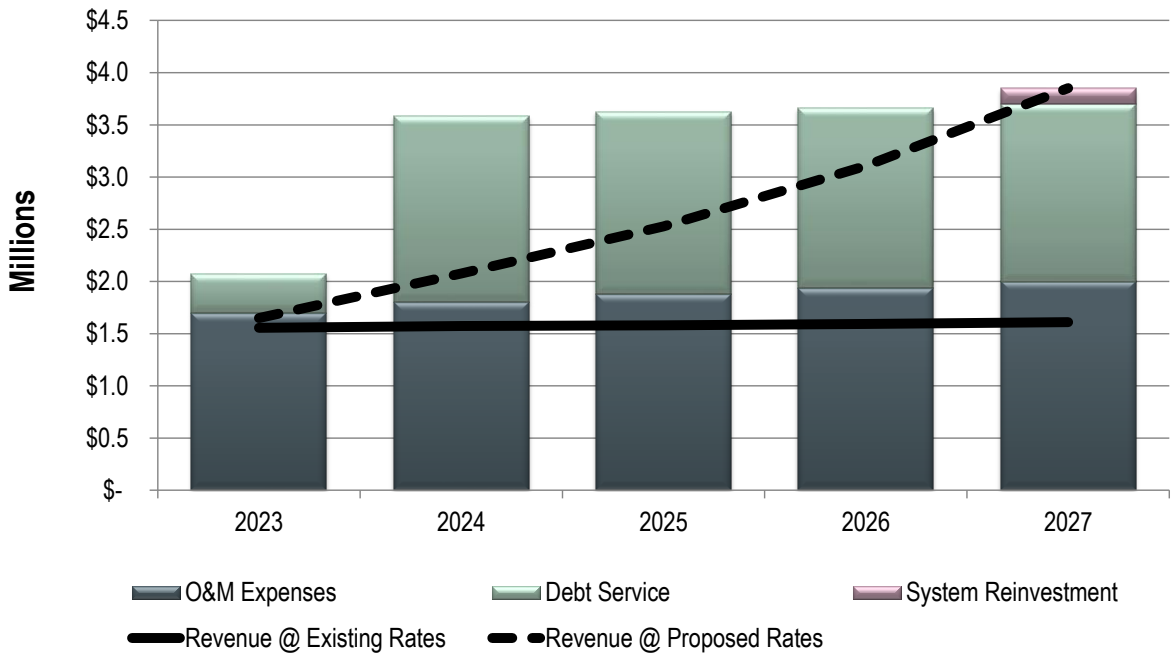
Section I. EXECUTIVE SUMMARY

The City of Bainbridge Island ("City") contracted with FCS GROUP in 2022 to review its water and sewer rates and System Participation Fees (SPFs). This report summarizes the key findings and recommendations of the study.

I.A. WATER RATES

Exhibit 1.1 provides a summary of the five-year financial plan for the water utility:

Exhibit 1.1: Water Financial Plan



	Existing	Proposed			*Projected*	
	Jan-May 2023	Jun-Dec 2023	2024	2025	*2026*	*2027*
Annual Water Rate Revenue Increase[1]	10.1%	13.5%	25.0%	25.0%	*25.0%*	*25.0%*

[1]Rate revenue increases include projected inflation.

The water financial plan contemplates increasing water rate revenue levels by 25.0% per year through 2027. The overall rate increase for 2023 has also been set to 25.0%, with the first increase of 10.1% taking place effective January 1, 2023 (as part of the inflationary rate adjustment policy

specified in City Ordinance No. 2022-05) and an additional increase of 13.5% proposed to go into effect on June 1, 2023. The recommended rate plan focuses on setting water rates for the 2023 – 2025 planning period – **Exhibit 1.1** shows projected rate increases for 2026 and 2027 based on the information that is currently available, but the City intends to revisit the need for those increases in another rate study that would take place in 2025. If for some reason the City is not able to complete a rate study by the end of 2025, it can implement the projected 2026 and 2027 rate increases as needed.

The water rate increases shown in **Exhibit 1.1** are driven by the following factors:

- **Existing Condition:** Based on current operations, the water utility appears to be collecting just enough in operating revenues to cover operating expenses at about $1.5 million per year. This suggests that any cost increases would create a cash-flow deficit for the water utility.

- **Capital Funding Needs:** The City expects to spend $27.8 million on water capital projects from 2023 – 2027 including $21.6 million for the replacement of the Winslow Water Tank, $3.6 million in supply and treatment improvements, $2.4 million in distribution system improvements, and $225,000 for an emergency generator. The capital funding plan envisions $24.1 million in new debt to fund these costs, which will add roughly $1.7 million in debt service to the annual revenue requirement. This equates to about 131% of current water rate revenue levels, representing about 74% of the cumulative revenue increase needed by 2027.

- **Proposed Staffing Additions:** As assessment of staffing levels prepared by City staff found that the water utility would need to add staff in the following positions in order to complete the work necessary to sustain ongoing operations:

  - One WWTP supervisor at an annual cost of about $138,000
  - Two maintenance technicians, at a combined annual cost of approximately $207,000
  - A geographic information systems (GIS) technician at an annual cost of about $125,000
  - An administrative specialist at an annual cost of approximately $104,000

  The WWTP supervisor is exclusively attributable to the sewer utility and is not allocated to the water utility. Staff has allocated 45% of the costs associated with the other positions (about $195,000 per year) to the water utility, which equates to about 15% of current water rate revenue levels – this represents about 8% of the cumulative water revenue increase needed by 2027.

- **System Reinvestment Funding:** City staff have identified concerns resulting from deferred maintenance of the water system. System reinvestment is a financial policy that involves generating cash above current operating costs and debt service to provide funding for infrastructure replacement and maintenance. Given the water utility's near-term capital plan and related funding strategy, the financial plan does not incorporate any system reinvestment funding until 2027. The $154,000 per year funded in 2027 equates to about 12% of current water rate revenue levels, representing about 7% of the cumulative water revenue increase needed by 2027. The forecast beyond 2027 envisions inflationary water rate adjustments, which are expected to provide enough cash flow to support system reinvestment based on annual depreciation expense by 2035.

- **Inflation:** Based on input from the City's Finance Department, the financial forecast assumes inflation of 8% in 2023 and 7% in 2024 before reverting to longer-term averages. These higher inflation assumptions are based on recent inflationary trends that the City has experienced. The need to keep up with inflation represents the remainder of the cumulative water revenue increase needed by 2027.

The water capital plan includes the Ferncliff water main extension at an estimated cost of about $1.5 million, with about $800,000 of that cost being funded by a Drinking Water State Revolving Fund (DWSRF) loan. City staff have allocated $550,000 of this cost to general system benefit (such as infrastructure redundancy), which will be recovered through rates and SPFs over time. The remaining $960,000 will be recovered from the benefitting properties that can connect to the main. Though City staff only expect 25 properties (17 in the Ferncliff Water System and 8 in the Casey Street Water System) to connect initially, a total of 78 properties can connect to the main. Split evenly among the 78 properties that can connect to the main, the $960,000 local share equates to approximately $12,300 per property. The water financial plan assumes that the 25 homes in the Ferncliff and Casey Street Water Systems will pay for their share of this cost over a 15-year period through a monthly rate surcharge – at an interest rate of 4.5% (the current cost of borrowing), the monthly surcharge would be $95.50 per home. Given that there is considerable uncertainty with respect to if and when the remaining 53 properties will connect to the main, the analysis does not assume any additional connections to the main during the five-year planning period. The surcharge applied to the Ferncliff and Casey Street Water Systems is projected to generate about $29,000 per year, which will be enough to cover the payments on the DWSRF loan (which qualifies for 50% loan forgiveness).

The rate study scope originally included a cost-of-service analysis that would determine an equitable allocation of the annual revenue requirement among the City's customer classes. Recognizing that shifting costs among classes during a period of significant revenue increases would worsen the rate impacts for some users, we recommend that the City adjust all water rates uniformly (as shown in **Exhibit 1.1**) and revisit the cost allocations in a future update. **Exhibit 1.2** provides an updated schedule of water rates based on this recommended strategy.

Exhibit 1.2: Water Rate Forecast

Water Rates	Existing	Proposed			Projected	
	Jan-May 2023	Jun-Dec 2023	2024	2025	2026	2027
Annual Water Revenue Adjustment	***10.1%***	***13.5%***	***25.0%***	***25.0%***	***25.0%***	***25.0%***
Single-Family Residential						
Monthly Base Rate						
Up to 3/4" Meter	$13.98	$15.87	$19.84	$24.80	*$31.00*	*$38.75*
1" Meter	$27.57	$31.30	$39.13	$48.91	*$61.13*	*$76.42*
1-1/2" Meter	$50.26	$57.06	$71.33	$89.16	*$111.45*	*$139.31*
Consumption Charge per ccf						
0 – 5 ccf	$1.42	$1.61	$2.02	$2.52	*$3.15*	*$3.94*
6 – 12 ccf	$2.28	$2.59	$3.24	$4.04	*$5.06*	*$6.32*
13 – 30 ccf	$3.24	$3.68	$4.60	$5.75	*$7.18*	*$8.98*
> 30 ccf	$4.40	$5.00	$6.24	$7.81	*$9.76*	*$12.20*
Single-Family Bill @ 7 ccf per Month	**$25.64**	**$29.10**	**$36.42**	**$45.48**	***$56.87***	***$71.09***
Change From Prior Year	**+$2.35**	**+$3.46**	**+$7.32**	**+$9.06**	***+$11.39***	***+$14.22***
Multi-Family Residential						
Monthly Base Rate per Dwelling Unit	$6.04	$6.86	$8.57	$10.71	*$13.39*	*$16.74*
Consumption Charge per ccf	$1.24	$1.41	$1.76	$2.20	*$2.75*	*$3.44*
Commercial						
Monthly Base Rate						
Up to 3/4" Meter	$18.34	$20.82	$26.03	$32.53	*$40.67*	*$50.83*
1" Meter	$40.56	$46.05	$57.56	$71.95	*$89.94*	*$112.42*
1-1/2" Meter	$77.77	$88.29	$110.37	$137.96	*$172.45*	*$215.56*
2" Meter	$122.06	$138.58	$173.22	$216.53	*$270.66*	*$338.33*
3" Meter	$240.61	$273.17	$341.47	$426.83	*$533.54*	*$666.92*
4" Meter	$373.97	$424.58	$530.72	$663.41	*$829.26*	*$1,036.57*
6" Meter	$744.42	$845.16	$1,056.45	$1,320.57	*$1,650.71*	*$2,063.39*
Consumption Charge per ccf	$1.73	$1.96	$2.46	$3.07	*$3.84*	*$4.80*
Irrigation						
Monthly Base Rate						
Up to 3/4" Meter	$4.59	$5.21	$6.51	$8.14	*$10.18*	*$12.72*
1" Meter	$6.04	$6.86	$8.57	$10.71	*$13.39*	*$16.74*
1-1/2" Meter	$8.46	$9.60	$12.01	$15.01	*$18.76*	*$23.45*
2" Meter	$11.37	$12.91	$16.14	$20.17	*$25.21*	*$31.52*
3" Meter	$19.09	$21.67	$27.09	$33.86	*$42.33*	*$52.91*
4" Meter	$27.80	$31.56	$39.45	$49.32	*$61.64*	*$77.06*
6" Meter	$51.98	$59.01	$73.77	$92.21	*$115.26*	*$144.08*
Consumption Charge per ccf	$3.79	$4.30	$5.38	$6.72	*$8.40*	*$10.51*

Exhibit 1.2 shows the proposed 2023 – 2025 water rates, also showing the projected 2026 – 2027 rates for reference. We recommend that the City conduct another rate study around 2025 to verify that the rates shown for 2026 – 2027 remain necessary and adequate.

Exhibit 1.3 provides a comparison of the water bill for a typical residential user under the City's current and proposed 2023 rates versus those of other comparable jurisdictions.

Exhibit 1.3: Monthly Single-Family Water Bill Comparison (3/4" Meter, 7 ccf)

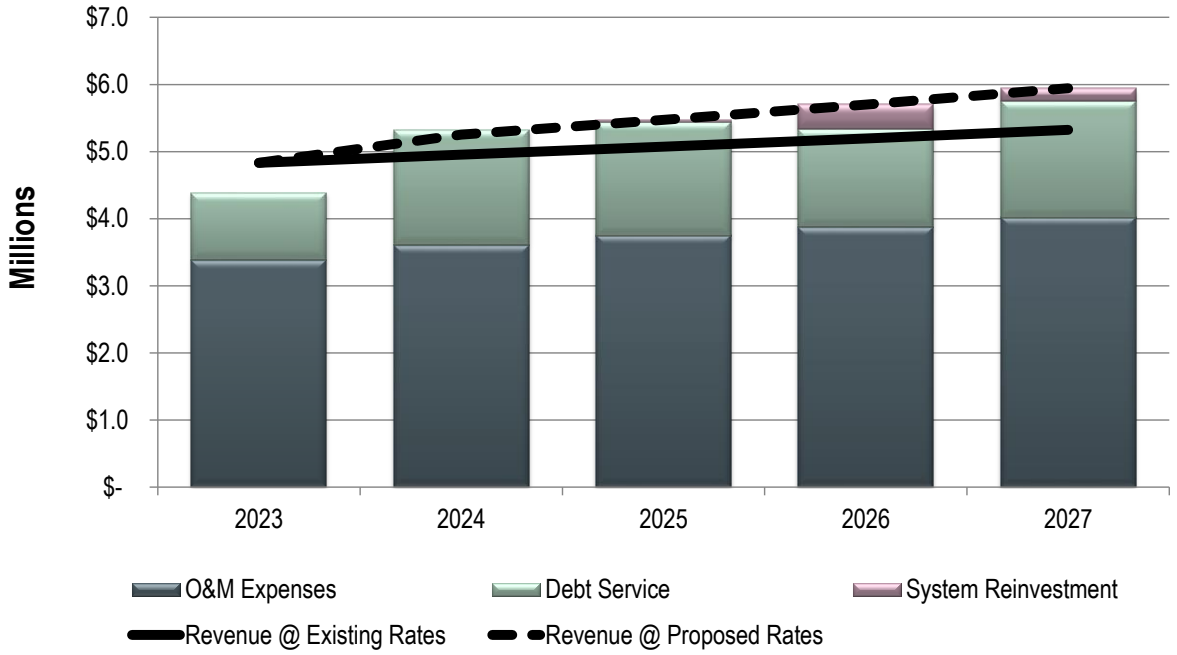


Exhibit 1.3 shows that even with the 10.1% increase that went into effect in January 2023 and the additional 13.5% rate increase proposed for June 2023 (intended to bring the cumulative water rate increase for 2023 to 25%), a typical single-family user would pay less for water service under the City's rates than those of any of the other jurisdictions included in the comparison. Based on the projected single-family bills shown in **Exhibit 1.2**, the water bill under the City's rates would increase from $29.10 in 2023 to $36.42 in 2024 (comparable to what Bonney Lake and Poulsbo currently charge), $45.48 in 2025 (comparable to what Gig Harbor, Port Orchard, and Sumner currently charge), and $56.87 in 2026 (comparable to what Oak Harbor currently charges).

I.B. SEWER RATES

Exhibit 1.4 provides a summary of the five-year financial plan for the sewer utility:

Exhibit 1.4: Sewer Financial Plan



	Existing	Projected			
	2023	2024	2025	2026	2027
Annual Sewer Rate Revenue Increase[1]	10.1%	7.0%	2.0%	2.0%	2.0%

[1]Rate revenue increases include projected inflation.

The rate increase of 10.1% shown for 2023 became effective on January 1, 2023 as part of the inflationary rate adjustment policy specified in City Ordinance No. 2022-05. The recommended rate plan contemplates annual CPI adjustments to sewer rate revenue levels through 2027 – **Exhibit 1.4** shows increases based on the assumed CPI inflation rates, but in practice the rate adjustments will be based on actual CPI inflation. These increases are driven by the following factors:

- **Existing Condition:** Based on current operations, the sewer utility is projected to incur about $3.1 million in operating expenses during 2023. Excluding a loan that the City is paying back through assessments collected in the South Island area, the sewer utility is responsible for roughly $1.0 million per year in principal and interest payments on its outstanding bonds and loans. The sewer utility currently collects roughly $4.8 million per year in operating revenue, which exceeds current annual operating expenses and debt obligations by roughly $700,000.

- **Capital Funding Needs:** The City expects to spend $24.7 million on capital projects from 2023 – 2027. This includes $12.2 million in pump and force main improvements, $9.7 million in wastewater treatment plant (WWTP) improvements, and $2.8 million in collection and gravity main projects. The sewer capital funding plan envisions $13.8 million in new debt to fund these projects, consisting of a PWTF loan of $2.5 million for the Eagle Harbor sewer upgrades and $11.3 million in general obligation bond proceeds. This debt will add roughly $1.2 million in debt service to the annual revenue requirement.

- **Proposed Staffing Additions:** As assessment of staffing levels prepared by City staff found that the sewer utility would need to add staff in the following positions in order to complete the work necessary to sustain ongoing operations:

  » One WWTP supervisor at an annual cost of about $138,000

  » Two maintenance technicians, at a combined annual cost of approximately $207,000

  » A geographic information systems (GIS) technician at an annual cost of about $125,000

  » An administrative specialist at an annual cost of approximately $104,000

  Staff has allocated the full cost of the WWTP supervisor to the sewer utility along with 36% of the costs associated with the other positions – together, the projected staffing additions will increase the sewer utility's labor costs by about $293,000 per year.

- **System Reinvestment Funding:** City staff have identified concerns resulting from deferred maintenance of the sewer system. Given the sewer utility's near-term capital plan and related funding strategy, the financial plan does not incorporate any system reinvestment funding until 2025. The forecast envisions inflationary sewer rate adjustments, which are expected to provide enough cash flow to support system reinvestment at a level of about 67% of annual depreciation expense by 2035.

- **Inflation:** Based on input from the City's Finance Department, the financial forecast assumes inflation of 8% in 2023 and 7% in 2024 before reverting to longer-term averages. These higher inflation assumptions are based on recent inflationary trends that the City has experienced.

The impact of the projected cost increases described above will be largely offset by anticipated reductions in payments on existing sewer bonds and loans as they are fully paid off by 2026. The Sewer Fund's reserves are expected to be adequate to sustain a strategy of annual CPI adjustments until the existing bonds and loans are paid off.

The rate study scope originally included a cost-of-service analysis that would determine an equitable allocation of the annual revenue requirement among the City's customer classes. Though the sewer rate revenue increases are not as large on a percentage basis as the proposed water rate revenue increases, the resulting dollar increases to customers' sewer bills are high enough that shifting costs among classes could worsen the rate impacts for some users. Recognizing the short-term impacts that the COVID-19 pandemic had on customer water usage (e.g. residential water usage was likely higher than normal due to the greater amount of telecommuting; commercial usage was likely lower than normal due to limited and modified business operations), we would hesitate to make material changes to how the City recovers costs from customer classes based on potentially skewed data. For these reasons, we recommend that the City adjust all sewer rates uniformly (as shown in **Exhibit 1.4**) and revisit the cost allocations in a future update.

Exhibit 1.5 provides an updated schedule of sewer rates based on this recommended strategy.

Exhibit 1.5: Sewer Rate Forecast

Monthly Sewer Rates	Existing	Projected			
	2023	2024	2025	2026	2027
Annual Sewer Revenue Adjustment	*10.1%*	*7.0%*	*2.0%*	*2.0%*	*2.0%*
Single-Family Residential (Winslow)					
Monthly Base Rate	$47.94	*$51.30*	*$52.32*	*$53.37*	*$54.44*
Consumption Charge per 100 Cubic Feet (ccf)[1]	$8.18	*$8.75*	*$8.93*	*$9.11*	*$9.29*
Sewer-Only Monthly Flat Rate per ERU	$134.54	*$143.96*	*$146.84*	*$149.77*	*$152.77*
Multi-Family Residential (Winslow)					
Monthly Base Rate	$41.99	*$44.93*	*$45.83*	*$46.74*	*$47.68*
Consumption Charge per 100 Cubic Feet (ccf)[1]	$8.18	*$8.75*	*$8.93*	*$9.11*	*$9.29*
Commercial (Winslow)					
Monthly Base Rate	$147.41	*$157.73*	*$160.88*	*$164.10*	*$167.38*
Consumption Charge per 100 Cubic Feet (ccf)	$11.12	*$11.90*	*$12.14*	*$12.38*	*$12.63*
Sewer-Only Monthly Flat Rate per ERU	$180.69	*$193.34*	*$197.21*	*$201.15*	*$205.17*
South Island[2]					
Monthly Base Rate – With Grinder Pump	$31.69	*$33.91*	*$34.59*	*$35.28*	*$35.98*
Monthly Base Rate – No Grinder Pump	$26.08	*$27.91*	*$28.46*	*$29.03*	*$29.61*

[1]From mid-June to mid-September, residential users are billed for their average water usage from mid-December through mid-May.
[2]South Island users also pay KCSD's monthly rate (currently $62.59 per ERU) for wastewater treatment.

Exhibit 1.5 shows the existing sewer rates and projected rates for 2024 – 2027 sewer rates based on the assumed CPI inflation rates – as previously noted, the rates adopted by the City will reflect actual CPI inflation as specified in City Ordinance No. 2022-05. We recommend that the City conduct another rate study around 2025 to verify that the rates shown for 2026 – 2027 remain necessary and adequate.

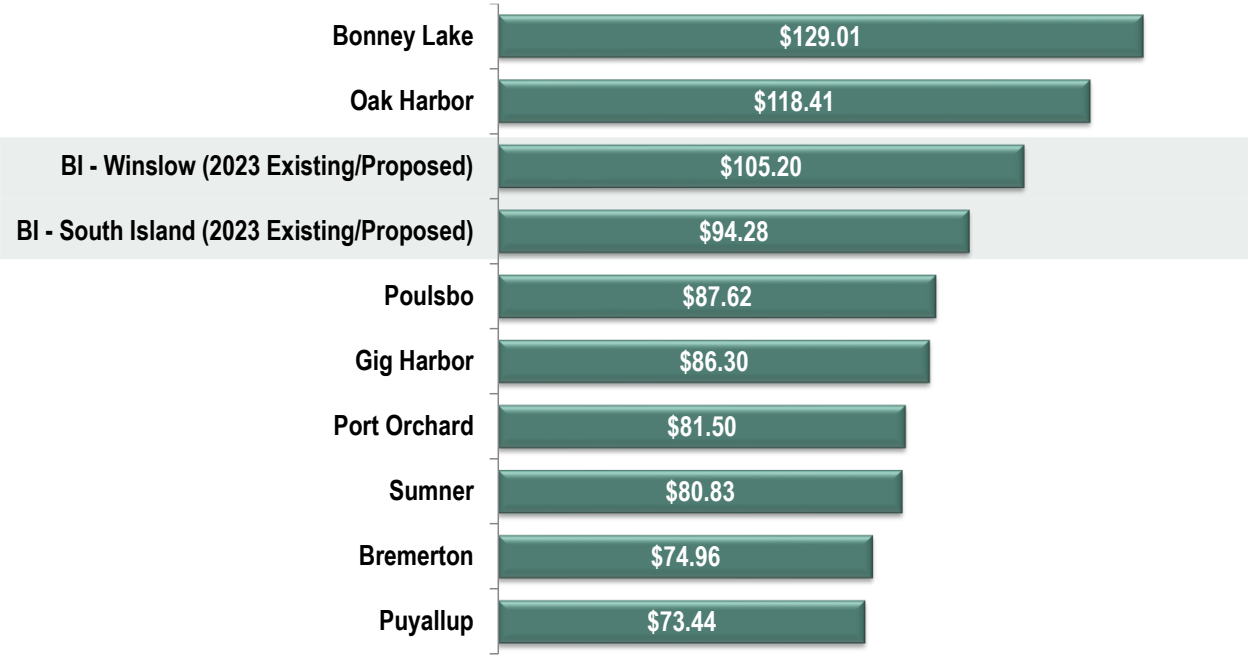
From June – September, the City currently bills residential users for sewer service based on water used from mid-December through mid-May. Billed water consumption in October has been notably higher than winter-average levels for at least the past several years, causing unintended spikes in residential sewer bills that have triggered a number of customer complaints. Considering this issue as well as billing practices commonly used by other utilities, we recommend that the City consider changing its sewer rate structure to bill residential users based on their winter-average water consumption year-round. In addition to addressing the issue of October bill spikes, this would improve revenue stability for the sewer utility. Given that the City already determines winter-average water consumption on an annual basis for the existing rate structure, this change would not increase (and could even decrease) the effort required to administer the rate structure.

We recommend that the City bill single-family residential users that do not have a representative history of winter water consumption based on the median winter-average consumption per single-family account (currently estimated to be about 9 ccf per bimonthly billing period) until they establish a representative usage history. We would recommend billing multi-family users without a representative history based on 8 ccf per bimonthly billing period for each dwelling unit, given the

median single-family consumption value and the existing policy for billing multi-family users (they pay approximately 88% of the single-family base rate per dwelling unit).

Exhibit 1.6 provides a comparison of the sewer bill for a typical residential user under the City's current and proposed 2023 rates versus those of other comparable jurisdictions.

Exhibit 1.6: Monthly Single-Family Sewer Bill Comparison (3/4" Meter, 7 ccf)



The City's sewer rates result in a bill that is relatively high compared to the jurisdictions shown in **Exhibit 1.6**. Given that the sewer financial plan envisions annual CPI adjustments through 2027, this finding should remain largely consistent over the planning period. There are a variety of reasons why the City's sewer rates are relatively high, including (but not limited to) differences in financial policies, operating conditions, capital funding decisions, and rate structures.

I.C. WATER/SEWER BILL COMPARISON

Exhibit 1.7 provides a comparison of the combined monthly water/sewer bill for a typical single-family home using 700 cubic feet (7 ccf) under the City's rates versus those of other comparable jurisdictions:

Exhibit 1.7: 2023 Monthly Water/Sewer Bill Comparison (3/4" Single-Family @ 7 ccf)

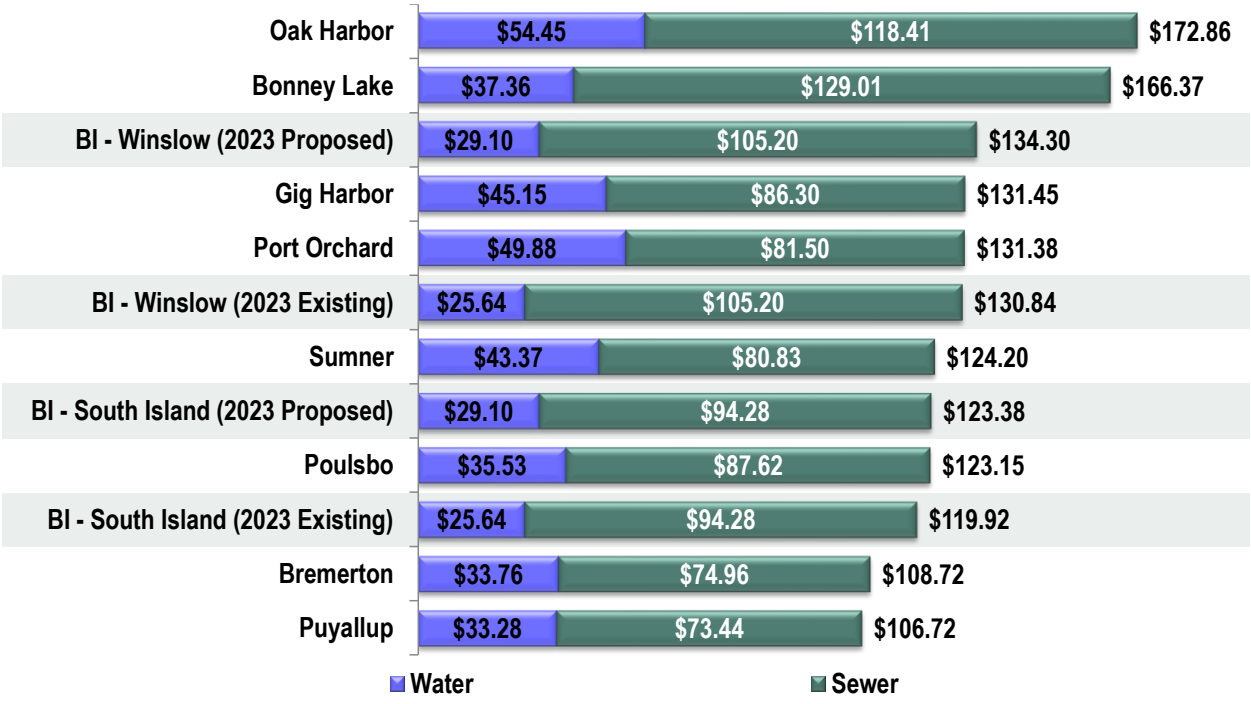


Exhibit 1.7 suggests that the combined water/sewer bill for a typical single-family residence is expected to remain within a reasonable range relative to other comparable jurisdictions.

I.D. SYSTEM PARTICIPATION FEE UPDATE

The study included an update to the City's water and sewer SPFs using the methodology recommended in the 2018 study. Conceptually, the "average-cost" method calculates the SPF by dividing the allocable cost of each system by the number of customer equivalents that it can serve. **Exhibit 1.8** summarizes the existing and proposed water SPFs:

Exhibit 1.8: Schedule of Water SPFs

Water SPF	Single-Family		Multi-Family		Commercial		Irrigation	
	Existing	Proposed	Existing	Proposed	Existing	Proposed	Existing	Proposed
5/8" Meter	$3,806	$4,750	$4,030	$5,538	$4,030	$5,538	$3,357	$3,173
3/4" Meter	$5,709	$7,125	$6,045	$8,307	$6,045	$8,307	$5,036	$4,760
1" Meter	$9,515	$11,875	$10,075	$13,845	$10,075	$13,845	$8,394	$7,933
1-1/2" Meter	$19,029	$23,749	$20,150	$27,691	$20,150	$27,691	$16,787	$15,867
2" Meter	$30,447	$37,999	$32,240	$44,305	$32,240	$44,305	$26,860	$25,387
3" Meter	$60,893	$75,998	$64,480	$88,610	$64,480	$88,610	$53,720	$50,773
4" Meter	$95,145	$118,746	$100,750	$138,453	$100,750	$138,453	$83,937	$79,334
6" Meter	$190,291	$237,492	$201,499	$276,905	$201,499	$276,905	$167,875	$158,667

Exhibit 1.8 shows a significant increase in the City's water SPFs due to the following factors:

- The water capital plan increased from $8.4 million in the prior study to a net recoverable cost of $13.6 million, primarily due to the estimated cost of the Winslow Water Tank Replacement Project.

- The prior calculation considered an inventory of capital assets as of the end of 2017; the updated calculation reflects the addition of $2.3 million in new assets from 2018 – 2021.

- The City's estimate of the capacity of the water system decreased since the prior study, most notably being limited by equalizing (peak) storage in its reservoir. Coincidentally, the component of the SPF with the largest decrease in capacity (the denominator) is also the component with the largest increase in cost (the numerator) due to the reservoir replacement project – together, these two changes are responsible for 83% of the total increase in the water SPF per equivalent unit.

Exhibit 1.9 presents a comparison of the City's water SPFs to those of other local jurisdictions:

Exhibit 1.9: Comparison of 2023 Water SPF per Equivalent Unit

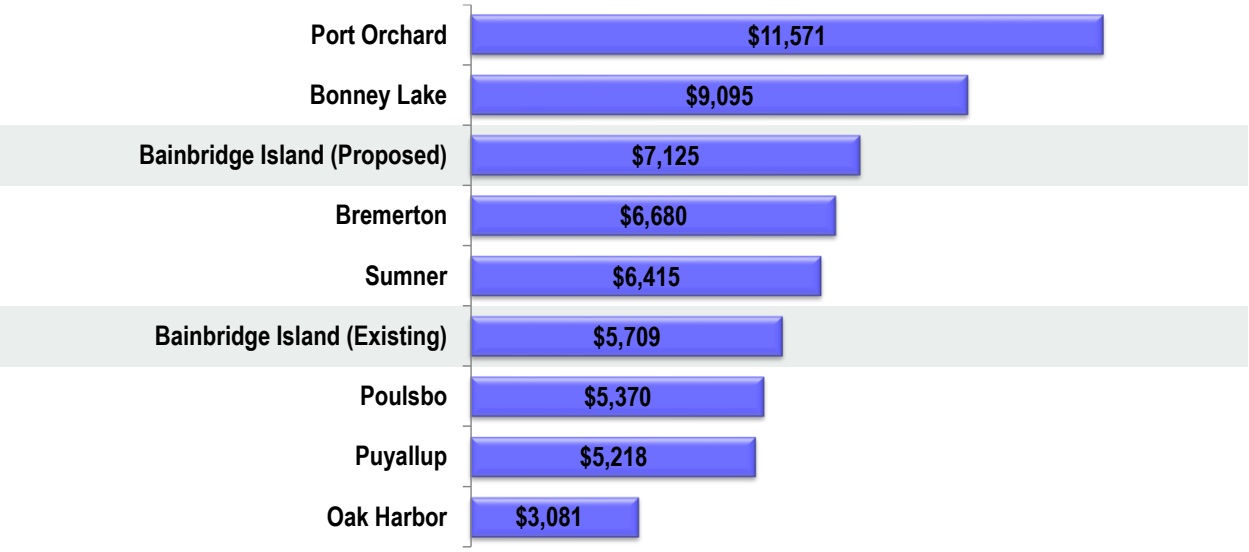


Exhibit 1.9 shows that the City's water SPF is in the middle of the range of what the other jurisdictions charge – while more than what Bremerton and Sumner currently charge, the proposed water SPF remains well within the range of charges imposed by the surveyed jurisdictions.

Exhibit 1.10 summarizes the existing and proposed sewer SPFs:

Exhibit 1.10: Schedule of Sewer SPFs

Sewer SPF	Single-Family		Multi-Family (per Unit)		Commercial (per ERU[1])	
	Existing	Proposed	Existing	Proposed	Existing	Proposed
Winslow	$8,187	$12,884	$5,079	$7,993	$8,187	$12,884
South Island[2]	$3,751	$5,694	$2,327	$3,532	$3,751	$5,694

[1]The City defines an ERU as 20 fixture units for commercial users.
[2]South Island customers also pay a connection charge to KCSD for wastewater treatment, currently up to $12,013.00.

Exhibit 1.10 shows a significant increase in the City's sewer SPFs due to the following factors:

- The sewer capital plan increased from $10.1 million in the prior study to an estimated cost of $25.4 million (including $700,000 projected to occur in 2028), due to a combination of new projects and cost increases on projects that were already in the capital plan.
- The prior calculation considered an inventory of capital assets as of the end of 2017. The updated calculation reflects the addition of $1.4 million in new assets from 2018 – 2021. The cost basis also includes an additional $1.8 million in interest accrual on existing assets as allowed by RCW 35.92.025.
- The estimated capacity of the sewer system decreased based on updated estimates provided by City staff. The total number of equivalent units that the Winslow system can serve decreased by almost 10%, which when coupled with an increase of over 32% in the allocable system cost amounts to an increase of almost 46% in the sewer SPF per equivalent unit.

Exhibit 1.11 presents a comparison of the City's sewer SPFs to those of other local jurisdictions:

Exhibit 1.11: Comparison of 2023 Sewer SPF per Equivalent Unit

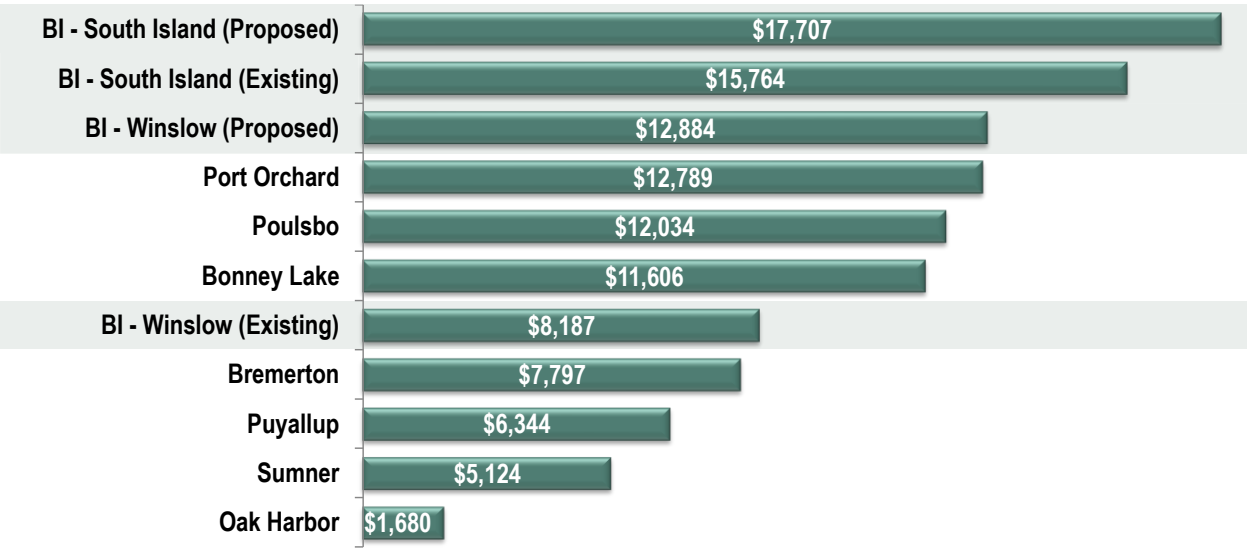


Exhibit 1.11 suggests that the sewer SPF that the City currently charges in the Winslow area is in the middle of the range for the group included in the comparison. While the updated sewer SPF is comparable to the SPFs charged by Bonney Lake, Poulsbo, and Port Orchard, it is relatively high compared to the other jurisdictions. There are several explanations for this finding, including:

- **Economies of Scale:** Bremerton, Puyallup, and even Sumner are significantly larger than the City in terms of the number of equivalent units that they can serve. Larger systems can have lower SPFs per unit because they can spread their total infrastructure cost (which does not increase proportionately with the size of the utility) across a greater number of units.
- **Timing of Last Calculation:** While most of the SPFs shown are a few years old, Oak Harbor's current sewer SPF is based on a 1996 calculation.

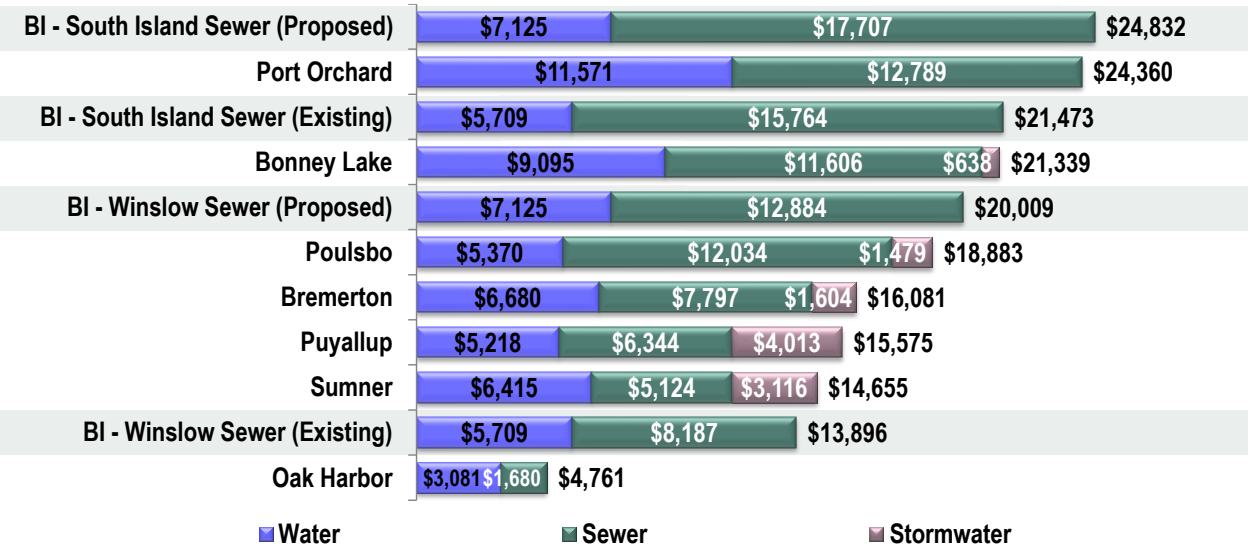
- **Policy Decisions:** Oak Harbor completed an update of its SPFs in 2022, which found that its full-cost SPF would be around $15,000. The Oak Harbor City Council opted to phase its increases in over a five-year period, with the first increase scheduled to take place in June 2023. Oak Harbor's SPFs are low due to an explicit policy decision made by the Oak Harbor City Council to forgo full cost recovery from development with the objective of promoting affordable housing and economic development in mind.

- **Methodology Differences:** The calculation supporting Sumner's sewer SPF does not include the cost of future replacement projects in the stated system cost. The methodology underlying the City's SPFs does include future replacement project costs, adjusting the existing asset cost estimate to avoid double charging for an asset and its replacement. This methodology results in a higher charge but conceptually accounts for the higher cost of replacing assets as part of the current capital plan (relative to historical construction costs).

The charges that the City imposes in the South Island area are at the high end of the range, primarily because they include the connection charge imposed by Kitsap County Sewer District No. 7 (currently $12,013 for most connections). This charge appears to be the full connection charge that Kitsap County Sewer District No. 7 imposes on its customers, which likely includes collection system costs that are conceptually duplicative of the costs built into the City's sewer SPF for the South Island area.

Exhibit 1.12 provides a summary of the total SPF per equivalent unit for all utility services.

Exhibit 1.12: Comparison of 2023 SPF per Equivalent Unit



Though this study did not include the development or review of a stormwater SPF for the City, **Exhibit 1.12** includes stormwater SPFs to show what development in the various jurisdictions would pay as a condition of receiving utility service. **Exhibit 1.12** shows that the City's SPF (particularly for development in Winslow) is at the low end of the spectrum, which appears to be primarily because the City does not currently charge a stormwater SPF. The updated SPFs shown for the City

in **Exhibit 1.12** are toward the upper end of the range but are justifiable given the infrastructure costs and estimated capacity of the City's water and sewer systems.

It is worth noting that while RCW 35.92.025 authorizes the City to impose SPFs to recover a proportionate share of system costs, it does not require it to do so. The City has the option of imposing SPFs at any level below the maximum justifiable charges shown in **Exhibit 1.12**, though doing so would reduce the amount of funding generated for capital needs and could result in future impacts to ratepayers. Especially considering the utilities' infrastructure needs and the expected rate impacts of the water and sewer capital plans, we would recommend that the City adopt the updated charges to recover a full share of the cost of each system from development.

Section II. INTRODUCTION

II.A. BACKGROUND

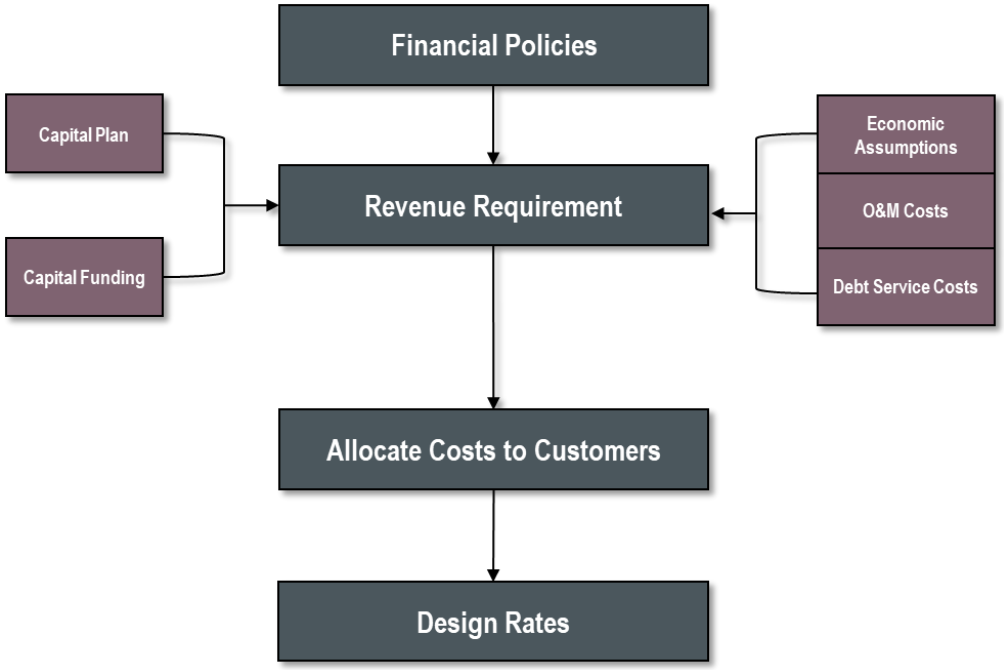
In 2022, the City of Bainbridge Island (City) engaged FCS GROUP to update the City's water and sewer rates and system participation fees (SPFs). This project included the following elements:

- Forecasting the total amount of rate revenue needed to cover each utility's capital investment needs, operating costs, debt service, and policy-driven commitments over a five-year planning period.
- Revisiting the allocation of the utilities' costs to customer classes, determining whether the City's rates recover costs equitably given current cost projections and customer demands.
- Updating the City's water and sewer SPFs to ensure that they continue to recover an equitable share of system costs from development

II.B. METHODOLOGY

Exhibit 2.1 summarizes the general methodology used in this analysis, which is consistent with industry-standard ratemaking principles.

Exhibit 2.1: Rate Study Methodology



Section III. POLICY FRAMEWORK

III.A. FISCAL POLICIES

The utility financial plans are based on a framework of fiscal policies that promote the financial integrity and stability of each utility as a standalone enterprise. The ensuing discussion provides a brief summary of the key policies incorporated in this analysis.

III.A.1. Reserves

Like any business, a municipal utility requires certain minimum levels of cash reserves to operate. These reserves address the variability and timing of revenues and expenses as well as occasional disturbances in activities. Given the City's responsibility to provide essential services to its customers at a certain standard, protection against financial disruption is even more important than it would be for private-sector or non-essential counterparts. In addition, a defined reserve structure serves to maintain appropriate segregation of funds and promote the use of resources for their intended purposes. City Resolution No. 2022-07 establishes the following structure of reserves for the City's utilities:

- **Operating Reserve.** This reserve provides cash for operations given the potential for seasonal variations in revenues or expenses, also supporting operations in years where revenues are abnormally low. City policy establishes a minimum year-end balance target of 60 days of operating expenses for the water and sewer utilities.

- **Capital Contingency Reserve.** This reserve provides a ready source of cash for an emergency, specifically where a major piece of equipment or a portion of the utility's infrastructure fails unexpectedly. City policy establishes a minimum year-end balance target equal to 1% of the net book value of capital assets for each utility.

- **Restricted Bond Reserve**. Revenue bond covenants typically require a restricted reserve as a security measure for the bondholders. The covenants specify the minimum balance, which is generally based on either the annual debt service or a percentage of the amount issued. The City's utilities do not currently have any outstanding debt that requires this type of reserve.

III.A.2. System Reinvestment Funding

"System reinvestment" is the practice of setting aside cash from rates each year to provide for the replacement of aging system facilities, promoting the long-term sustainability of the system for ongoing operations. Based on input from City staff and the Utility Advisory Committee, this analysis assumes that both the water and sewer utilities begin phasing in a policy to fund system reinvestment based on annual depreciation expense.

III.A.3. Financial Performance Standards

This analysis evaluates the sufficiency of the utilities' revenues to meet their respective financial obligations including operation and maintenance (O&M) expenses, debt repayment, rate-funded capital needs, and any other policy-based needs. It determines the amount of revenue needed each year to meet that year's expected financial obligations, in the context of two revenue sufficiency tests:

- **Cash Flow Sufficiency Test.** The cash flow test determines whether annual revenues are sufficient to cover the known cash requirements for each year of the planning period. These cash requirements typically include O&M expenses, debt service payments, rate-funded capital outlays, and any additions to reserve balances.

- **Coverage Test.** The coverage test evaluates the utilities' ability to meet applicable debt service coverage requirements specified by the City's bond covenants and internal debt policies. Debt service coverage ratios are typically calculated by dividing "net revenue" (defined by the bond covenants, but generally calculated as eligible revenues net of operating expenses) by the annual debt service payment. The bond covenants specify a minimum value for the debt service coverage ratio, which has historically been 1.25 (meaning that net revenue must be at least equal to 1.25 times debt service) – however, the bond rating agencies have expressed a preference for maintaining coverage ratios at 2.00 or higher. In addition, while debt service coverage requirements have historically been expressed in terms of revenue-bond debt service, coverage requirements considering all outstanding debt (including low-cost loans) have become more common in recent years.

In determining the annual revenue requirement, the test with the greatest deficiency generally drives the rate increase in any given year. It is worth noting that the City can temporarily waive the requirements of the cash flow test as part of a conscious decision to phase in rate increases, as long as its reserve balances are sufficient to absorb the resulting cash flow deficit. The coverage test, however, must always be met as failure to do so may result in a downgrading of the City's bond rating. Because the City does not currently have any outstanding debt that requires coverage, cash-flow needs define the utilities' revenue requirements.

Section IV. FINANCIAL PLAN

IV.A. BACKGROUND & GENERAL METHODOLOGY

The financial plan involves determining the revenue requirement, or the amount of revenue that a utility needs in order to meet its various financial obligations. This analysis serves as a means of evaluating the utility's fiscal health and adequacy of current rate levels, also setting the revenue basis for near-term and long-term rate planning. The rate revenue requirement is defined as the net difference between total revenue needs and the revenue generated through non-rate sources – hence, the revenue requirement analysis involves defining and forecasting both needs and resources.

IV.B. OPERATING FORECAST

The operating forecast focuses on annual expenses incurred to operate, maintain, and manage the City's utilities. The forecast used in this study is largely based on the 2022 Budget, with adjustments provided by City staff to incorporate known or estimated future revenues and expenditures for some specific line items. The key assumptions and inputs used to develop the operating expense forecasts are described in further detail below:

IV.B.1. Operating Revenue

- **Customer Growth.** This analysis uses an average of actual growth in the City's water and sewer accounts from 2016 – 2021 as the basis for future growth projections. **Exhibit 4.1** summarizes the growth assumptions used in this analysis:

Exhibit 4.1: Water & Sewer Customer Growth Assumptions

Annual Growth Rates	Water	Sewer
Single-Family Residential		
Winslow	2.3%	3.2%
Rockaway Beach	0.0%*	N/A
Multi-Family Residential	1.0%	1.3%
Commercial	0.0%*	0.7%
Irrigation	2.3%	N/A
South Island Sewer	N/A	6.0%

*Average growth rate from 2016 – 2021 was negative; not assumed to be a continuing trend.

The growth assumptions in **Exhibit 4.1** equate to projected growth averaging 63 equivalent residential units (ERUs) per year for the water utility and 118 ERUs per year for the sewer utility. The ERU growth assumptions differ by utility for a couple of reasons, including:

1. ERUs are defined differently for each utility. The water utility's ERUs are based purely on meter-capacity equivalents (MCEs), which equates metered service connections to a typical single-family residence (assumed to have a 3/4"

× 3/4" meter) based on meter flow capacities published by the American Water Works Association. MCEs appropriately capture the potential water demand of a service connection but are less accurate indicators of potential wastewater flows because water meters are typically sized for purposes that do not generate wastewater (e.g. fire flow, peak irrigation use). For this reason, the City uses a different ERU definition for the sewer utility based on expected wastewater flow contributions – single-family homes are assigned 1 ERU per connection (regardless of meter size), multi-family buildings are assigned 0.62 ERUs per dwelling unit, and commercial users are assigned 1 ERU per 20 fixture units.

2. The utilities grew differently during the 2016 – 2021 period used to establish growth rates. For example, the Winslow area saw average annual growth of 48 single-family water connections and 57 single-family sewer connections. Winslow saw virtually no commercial water customer growth from 2016 – 2021 but added an average of two commercial sewer customers per year. The sewer customer base also includes growth in the South Island service area, which does not receive water service from the City.

- **Rate Revenue.** The forecast of rate revenue is derived by applying the adopted rate structures to projected customer counts and water usage (based on billing statistics from 2021 and the assumed growth rates shown in **Exhibit 4.1**).

- **Non-Rate Revenue.** The forecast of other operating revenues is generally based on the 2022 Budget, with no escalation assumed in this forecast to mirror the City's budget projections.

- **Investment Income:** This analysis assumes that the utilities earn interest on their projected cash balances at an annual interest rate of 1.0%. Based loosely on a historical average of Local Government Investment Pool (LGIP) investment yields, the City's Finance Department validated this interest rate assumption as reasonable yet conservative.

- **Kitsap County Sewer District #7 Treatment Charges:** This revenue represents the City's passthrough of charges from Kitsap County Sewer District No. 7 (KCSD) to South Island sewer customers. This analysis projects the amount of revenue that the City will collect from KCSD charges by applying KCSD's monthly rate per ERU to the projected number of customers in the South Island area; the projected payments to KCSD are then set to equal the projected revenues.

IV.B.2. Operating Expenses

The forecast of operating expenses is generally based on the 2022 Budget, with adjustments made to account for future cost inflation. **Exhibit 4.2** summarizes the assumed inflation rates, which reflect input from the City's Finance Department regarding near-term inflation based on recent trends. Most costs are assumed to increase with inflation in the Consumer Price Index (CPI) for the Seattle Metropolitan Area, though labor and benefits costs have historically increased at rates exceeding CPI inflation. By 2026, inflation rates are assumed to return to longer-term averages.

Exhibit 4.2: Inflation Assumptions for Operating Expenses

Cost Category	2023	2024	2025	2026	2027
Labor	8.00%	7.00%	6.00%	4.25%	4.25%
Benefits	8.00%	7.00%	4.00%	4.00%	4.00%
Other (CPI)	8.00%	7.00%	2.00%	2.00%	2.00%

- **Taxes:** Computed based on projected revenues and prevailing tax rates.
  - State Excise Tax: 5.029% for water, 3.852% for sewer collection
  - Business & Occupation Tax: 1.75%
  - City Utility Tax: 6.0%

In addition to the operating expenses being projected to grow with inflation, the forecast incorporates salary and benefit costs associated with staffing additions recommended by a staffing analysis recently prepared by City staff. The staffing plan includes the following additions:

- One WWTP supervisor at an annual cost of about $138,000
- Two maintenance technicians, at a combined annual cost of approximately $207,000
- A geographic information systems (GIS) technician at an annual cost of about $125,000
- An administrative specialist at an annual cost of approximately $104,000

Staff has assigned the full cost of the WWTP supervisor to the sewer utility and allocated the costs for the other positions among its three utilities (44.7% to the water utility, 35.5% to the sewer utility, and 19.7% to the stormwater utility). Together, the projected staffing additions are expected to increase the water utility's labor costs by $195,000 per year and the sewer utility's labor costs by about $293,000 per year.

IV.B.3. Existing Debt Service

- The water utility currently has no outstanding debt.
- The sewer utility's outstanding debt consists of one limited-term generation obligation (LTGO) bond and six loans. Excluding one loan that is being repaid through local assessments in the South Island area, the combined annual payment on this debt is currently about $1.0 million. The payment is expected to drop to approximately $533,000 by 2027 as the sewer utility fully repays its existing PWTF loans.

IV.C. CAPITAL FORECAST

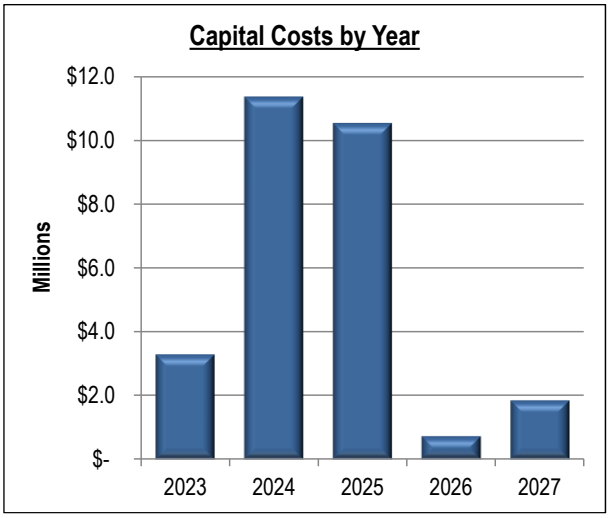
The capital forecast involves projecting annual capital project expenditures and developing a strategy to fund those expenditures. The City's Capital Improvement Plan (CIP) serves as the primary source of information for these projections, with adjustments from City staff to represent the City's

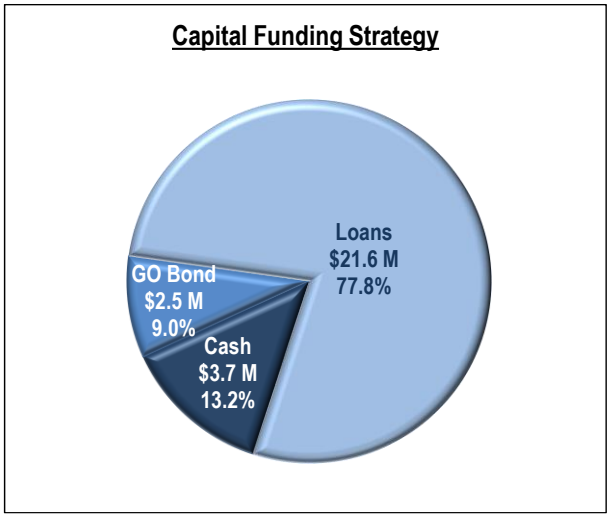
anticipated spending plan more accurately. The capital funding strategy considers available cash from system reinvestment, SPF revenues, available cash balances in the capital reserves, and if necessary, debt.

IV.C.1. Water Capital Funding Plan

Exhibit 4.3 summarizes the projected capital funding plan for the water utility.

Exhibit 4.3: Summary of Water Capital Funding Plan (2023 – 2027)





The City expects to spend $27.8 million on water capital projects from 2023 – 2027 including $21.6 million for the replacement of the Winslow Water Tank, $3.6 million in supply and treatment improvements, $2.4 million in distribution system improvements, and $225,000 for an emergency generator. The capital funding plan summarized in **Exhibit 4.3** envisions $24.1 million in new debt proceeds ($21.6 million in loans and $2.5 million in GO bonds) to fund these costs, which will add roughly $1.7 million in debt service to the annual revenue requirement. The majority of this debt will be used to fund the replacement of the Winslow Water Tank, though roughly $800,000 of the loan proceeds will be dedicated to funding the Ferncliff water main extension.

Exhibit 4.3 includes approximately $1.5 million in expenditures related to the Ferncliff water main extension, which are expected to occur primarily in 2023. City staff allocated $550,000 of this cost to systemwide benefits (e.g. infrastructure redundancy) and requested that the SPF calculation include that amount in the stated cost of the water system to be recovered proportionately from development. The remaining $960,000 is attributable to the localized benefits that the main will offer the homes that can connect to it.

City staff estimated that up to 78 properties will be able to connect to the main, though only expect to connect 25 homes (8 in the Casey Street Water System and 17 in the Ferncliff Water System) to it once it is constructed. Spread evenly among the 78 potential connections, the local cost share of $960,000 equates to an equitable contribution of approximately $12,300 per connection. At $12,300 per connection, the City would be able to recover $308,000 from the connections in the Ferncliff and Casey Street Systems. The remaining $652,000 of the cost would be recovered by the other 53 homes

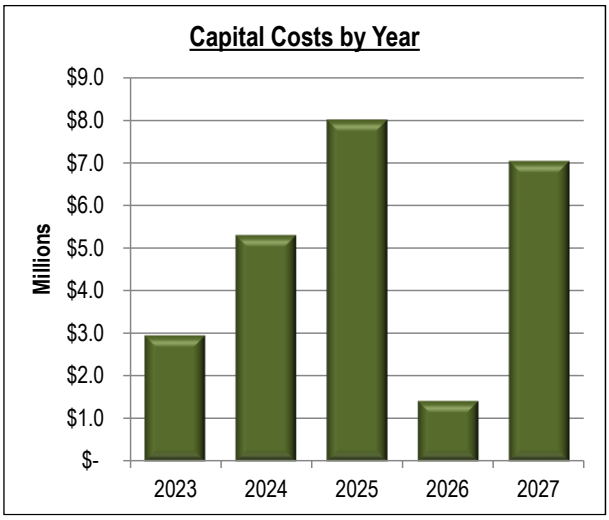
upon connection to the main, though there is considerable uncertainty as to if and when those homes will connect to the main. To be conservative, this analysis does not assume any additional connections to the main beyond the Ferncliff and Casey Street Systems.

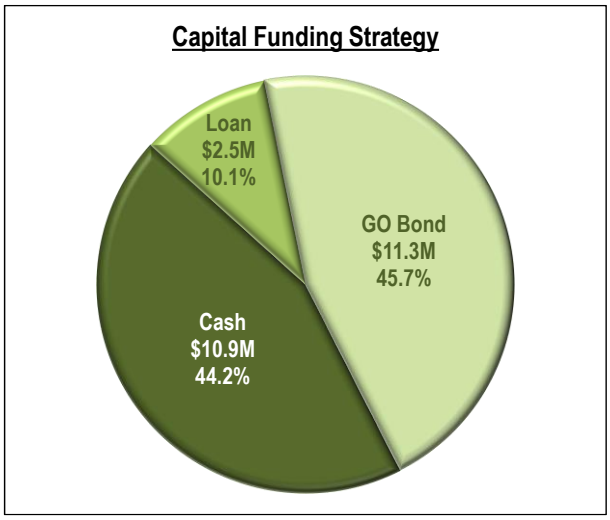
Whether through a direct rate increase or through cash generated from past rate increases, the water utility's ratepayers will ultimately have to cover any costs that exceed other available funding sources. The ratepayers will need to cover the $652,000 that is attributable to the 53 other properties that can connect to the main extension, as well as the $550,000 that will be built into the SPF and recovered from future growth over time. The $800,000 loan (which is eligible for 50% forgiveness) will enable the City to mitigate the impact of these costs to ratepayers. The forecast assumes that the 25 homes in the Ferncliff and Casey Street Systems will pay for their share of the cost of the main extension over a 15-year period through a monthly rate surcharge, which (depending on the terms offered) will offset most if not all of the net payment due on the loan.

IV.C.2. Sewer Capital Funding Plan

Exhibit 4.4 summarizes the projected capital funding plan for the sewer utility.

Exhibit 4.4: Summary of Sewer Capital Funding Plan (2023 – 2027)





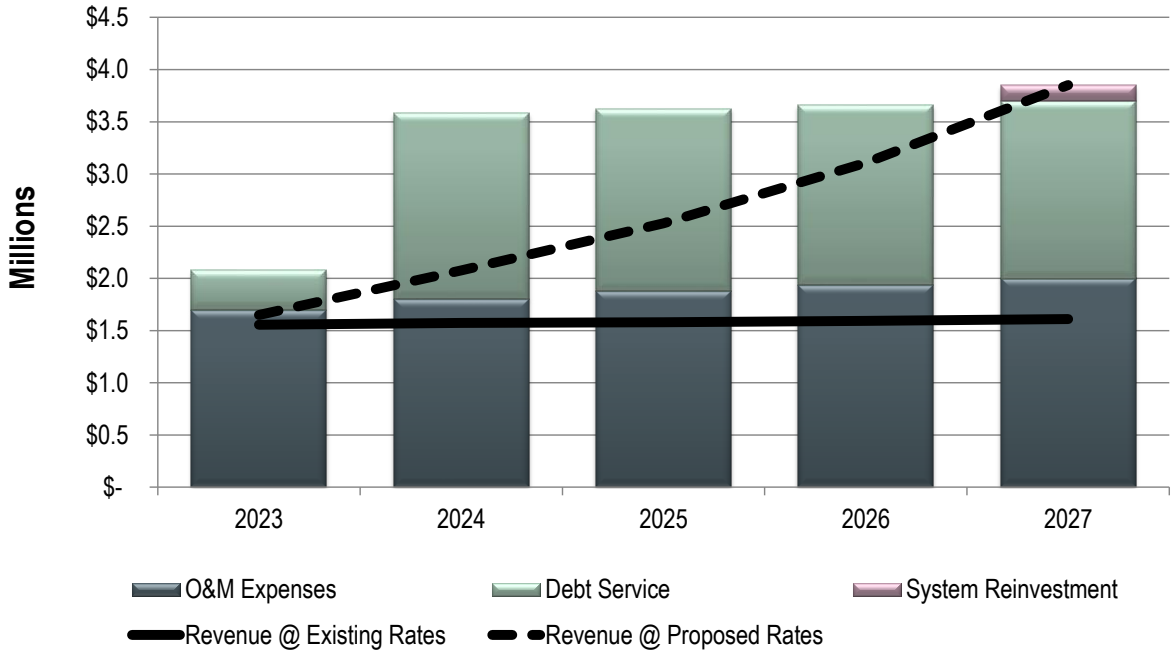
The City expects to spend $24.7 million on capital projects from 2023 – 2027 including $12.2 million in pump and force main improvements, $9.7 million in wastewater treatment plant (WWTP) improvements, and $2.8 million in collection and gravity main projects. The sewer capital funding plan envisions $13.8 million in new debt to fund these projects, consisting of a PWTF loan of $2.5 million for the Eagle Harbor sewer upgrades and two general obligation bonds totaling $11.3 million. This debt will add roughly $1.2 million in debt service to the annual revenue requirement.

IV.D. EVALUATION OF REVENUE SUFFICIENCY

IV.D.1. Water Financial Plan

Exhibit 4.5 summarizes the water utility's financial plan.

Exhibit 4.5: Water Financial Plan Summary ($000s)



	2023	2024	2025	2026	2027
Rate Revenue at Existing Rates	$1,329	$1,352	$1,374	$1,397	$1,421
Ferncliff/Casey Street Rate Surcharges[1]	29	29	29	29	29
Other Operating Revenue	197	193	178	167	161
Total Revenue	$1,555	$1,574	$1,581	$1,593	$1,611
Operating Expenses	$1,501	$1,598	$1,657	$1,708	$1,761
Salaries/Benefits for Proposed Staff Additions	195	209	220	229	239
Debt Service	381	1,776	1,750	1,723	1,697
Rate-Funded System Reinvestment	-	-	-	-	154
Total Expenses	$2,077	$3,583	$3,627	$3,660	$3,851
Net Cash Flow @ Current Rates	($521)	($2,009)	($2,046)	($2,067)	($2,240)
Annual Rate Increase	13.5%[2]	25.0%	25.0%	25.0%	25.0%
Rate Revenue After Increases	$1,434	$1,918	$2,438	$3.099	$3,939
Net Cash Flow After Increases	($428)	($1,505)	($1,099)	($554)	$ -
Ending Water Fund Balance	$4,088	$4,394	$2,911	$2,075	$831
Target Water Fund Balance	$449	$581	$698	$715	$744

[1]The 25 properties in the Ferncliff and Casey Street Water Systems are assumed to pay a monthly rate surcharge of $95.50 for 15 years based on a total cost per property of $12,300 and an interest rate of 4.5% (based on current borrowing rates).

[2]Assumed to be effective June 1, 2023 and is additive to a 10.1% CPI adjustment that went into effect on January 1, 2023.

Exhibit 4.5 indicates that the water utility's revenues at current rates do not fully cover the utility's operating expenses. The water financial plan contemplates increasing water rate revenue levels by 25.0% per year through 2027 to cover the existing operating deficit (and keep up with anticipated

cost inflation), fund the proposed staffing additions, cover the anticipated debt service payments, and generate funding for system reinvestment needs. Given the water utility's near-term capital plan and related funding strategy, the financial plan does not incorporate any system reinvestment funding until 2027. This plan envisions using the existing Water Fund reserves to phase the necessary rate increases in over a five-year period – the water utility is projected to end 2027 with a fund balance of approximately $831,000, which exceeds the combined operating/capital reserve target balance of $744,000 by approximately $87,000. This extra fund balance provides some flexibility to absorb additional costs if recent inflationary trends persist beyond 2024.

Note that the rate increases shown in **Exhibit 4.5** are all-inclusive and would generally supersede the automated CPI adjustments provided for in City Ordinance No. 2022-05. The exception to this is 2023, where the City increased its water rates by 10.1% effective January 1, 2023 (as part of the inflationary rate adjustment policy specified in City Ordinance No. 2022-05) – **Exhibit 4.5** shows an additional increase of 13.5% proposed to go into effect on June 1, 2023, which would bring the cumulative increase for 2023 to 25.0% (since it would also apply to the revenue generated from the 10.1% increase that went into effect on January 1).

The recommended rate plan focuses on setting water rates for the 2023 – 2025 planning period – **Exhibit 4.5** shows projected rate increases for 2026 and 2027 based on the information that is currently available, but the City intends to revisit the need for those increases in another rate study that would take place in 2025.

The financial plan presented in **Exhibit 4.5** reflects the following input received from the City's Utility Advisory Committee (UAC):

- The UAC accepted the recommendation from City staff that the utility begin funding system reinvestment, increasing the annual funding level over time to reach full funding of annual depreciation expense through water rates.

- The UAC accepted the recommended staffing additions proposed by City staff, which as shown in **Exhibit 4.5** would increase the water utility's 2023 operating costs by approximately $195,000 (approximately 15% of revenue at current rates).

- The UAC preferred a capital funding strategy of increased borrowing that would leave more of the Water Fund's cash available to help phase in the necessary rate increases. City staff prepared a number of scenarios with varying degrees of funding for the reservoir replacement project through general obligation bonds and loans from the General Fund, though the City's recent award of an additional $9.5-million PWTF loan for the reservoir replacement project largely offset the need for those funding sources.

The rate study scope originally included a cost-of-service analysis that would determine an equitable allocation of the annual revenue requirement among the City's customer classes. Recognizing that shifting costs among classes during a period of significant revenue increases would worsen the rate impacts for some users, we recommend that the City adjust all water rates uniformly (as shown in **Exhibit 4.5**) and revisit the cost allocations in a future update. **Exhibit 4.6** provides an updated schedule of water rates based on this recommended strategy.

Exhibit 4.6: Water Rate Forecast

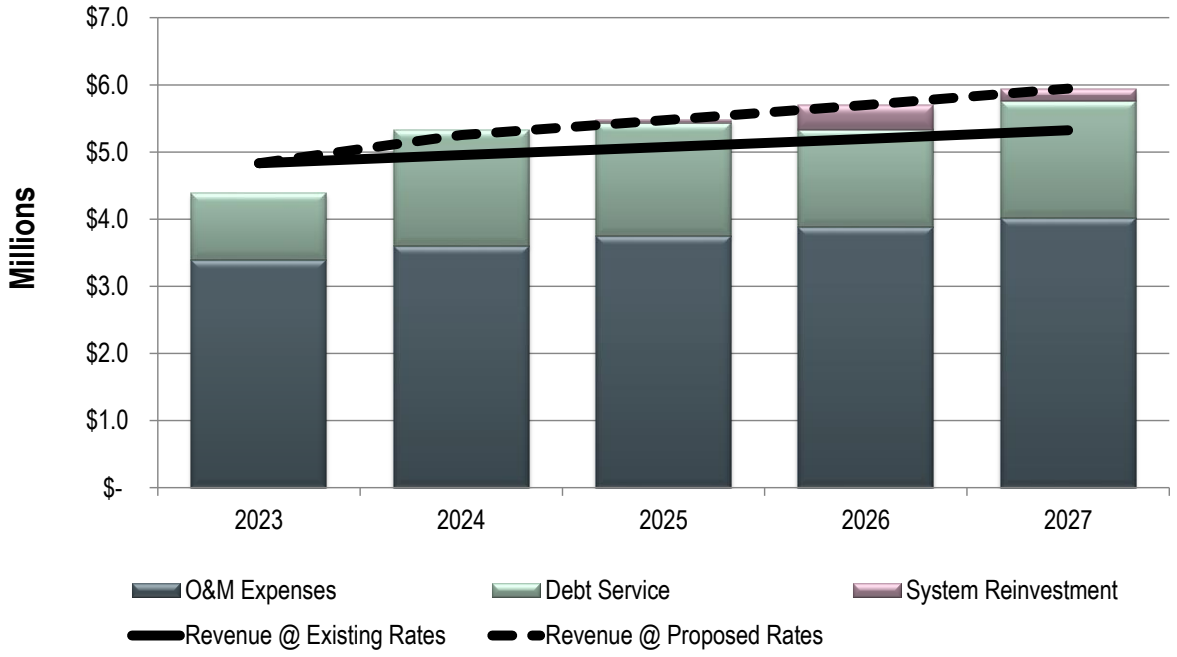
Monthly Water Rates	Existing	Proposed			Projected	
	Jan-May 2023	Jun-Dec 2023	2024	2025	2026	2027
Annual Water Revenue Adjustment	***10.1%***	***13.5%***	***25.0%***	***25.0%***	***25.0%***	***25.0%***
Single-Family Residential						
Monthly Base Rate						
Up to 3/4" Meter	$13.98	$15.87	$19.84	$24.80	*$31.00*	*$38.75*
1" Meter	$27.57	$31.30	$39.13	$48.91	*$61.13*	*$76.42*
1-1/2" Meter	$50.26	$57.06	$71.33	$89.16	*$111.45*	*$139.31*
Consumption Charge per ccf						
0 – 5 ccf	$1.42	$1.61	$2.02	$2.52	*$3.15*	*$3.94*
6 – 12 ccf	$2.28	$2.59	$3.24	$4.04	*$5.06*	*$6.32*
13 – 30 ccf	$3.24	$3.68	$4.60	$5.75	*$7.18*	*$8.98*
> 30 ccf	$4.40	$5.00	$6.24	$7.81	*$9.76*	*$12.20*
Single-Family Bill @ 7 ccf per Month	**$25.64**	**$29.10**	**$36.42**	**$45.48**	***$56.87***	***$71.09***
Change From Prior Year	**+$2.35**	**+$3.46**	**+$7.32**	**+$9.06**	***+$11.39***	***+$14.22***
Multi-Family Residential						
Monthly Base Rate per Dwelling Unit	$6.04	$6.86	$8.57	$10.71	*$13.39*	*$16.74*
Consumption Charge per ccf	$1.24	$1.41	$1.76	$2.20	*$2.75*	*$3.44*
Commercial						
Monthly Base Rate						
Up to 3/4" Meter	$18.34	$20.82	$26.03	$32.53	*$40.67*	*$50.83*
1" Meter	$40.56	$46.05	$57.56	$71.95	*$89.94*	*$112.42*
1-1/2" Meter	$77.77	$88.29	$110.37	$137.96	*$172.45*	*$215.56*
2" Meter	$122.06	$138.58	$173.22	$216.53	*$270.66*	*$338.33*
3" Meter	$240.61	$273.17	$341.47	$426.83	*$533.54*	*$666.92*
4" Meter	$373.97	$424.58	$530.72	$663.41	*$829.26*	*$1,036.57*
6" Meter	$744.42	$845.16	$1,056.45	$1,320.57	*$1,650.71*	*$2,063.39*
Consumption Charge per ccf	$1.73	$1.96	$2.46	$3.07	*$3.84*	*$4.80*
Irrigation						
Monthly Base Rate						
Up to 3/4" Meter	$4.59	$5.21	$6.51	$8.14	*$10.18*	*$12.72*
1" Meter	$6.04	$6.86	$8.57	$10.71	*$13.39*	*$16.74*
1-1/2" Meter	$8.46	$9.60	$12.01	$15.01	*$18.76*	*$23.45*
2" Meter	$11.37	$12.91	$16.14	$20.17	*$25.21*	*$31.52*
3" Meter	$19.09	$21.67	$27.09	$33.86	*$42.33*	*$52.91*
4" Meter	$27.80	$31.56	$39.45	$49.32	*$61.64*	*$77.06*
6" Meter	$51.98	$59.01	$73.77	$92.21	*$115.26*	*$144.08*
Consumption Charge per ccf	$3.79	$4.30	$5.38	$6.72	*$8.40*	*$10.51*

Exhibit 4.6 shows the proposed 2023 – 2025 water rates, also showing the projected 2026 – 2027 rates for reference. We recommend that the City conduct another rate study around 2025 to verify that the rates shown for 2026 – 2027 remain necessary and adequate.

IV.D.2. Sewer Financial Plan

Exhibit 4.7 summarizes the sewer utility's financial plan.

Exhibit 4.7: Sewer Financial Plan Summary ($000s)



	2023	2024	2025	2026	2027
Rate Revenue	$4,541	$4,640	$4,742	$4,846	$4,954
Other Revenue	292	314	331	350	370
Total Revenue	$4,833	$4,954	$5,073	$5,196	$5,324
Operating Expenses	$3,098	$3,292	$3,421	$3,538	$3,659
Salaries/Benefits for Proposed Staff Additions	293	314	331	344	359
Debt Service	997	1,718	1,685	1,453	1,740
System Reinvestment	-	-	35	367	185
Total Expenses	$4,388	$5,324	$5,472	$5,702	$5,943
Net Cash Flow @ Current Rates	$445	($370)	($399)	($506)	($619)
Annual Rate Increase	10.1%	7.0%	2.0%	2.0%	2.0%
Rate Revenue After Increases	$4,541	$4,965	$5,175	$5,395	$5,625
Net Cash Flow After Increases	$445	($70)	$ -	$ -	$ -
Ending Sewer Fund Balance	$6,016	$8,037	$1,470	$1,792	$1,558
Target Sewer Fund Balance	$781	$869	$973	$1,009	$1,101

Exhibit 4.7 indicates that with the 10.1% sewer rate increase that went into effect on January 1, 2023 (consistent with the policy of automated CPI adjustments established by City Ordinance No. 2022-05), the sewer utility's annual revenues are expected to be sufficient to cover the utility's annual operating expenses and debt service commitments with about $445,000 in annual revenue left over for other needs. **Exhibit 4.7** shows a cash-flow deficit beginning in 2024, when the sewer utility's

debt service is projected to increase by about $721,000 due to the new debt issued as part of the capital funding strategy shown in **Exhibit 4.4**. Given the sewer utility's near-term capital plan and related funding strategy, the financial plan does not incorporate any system reinvestment funding until 2025. The sewer utility's existing debt obligations begin dropping off in 2026, creating additional capacity for system reinvestment. Note that the rate increases shown in **Exhibit 4.7** for 2024 – 2027 were set to match the assumed CPI inflation rates shown in **Exhibit 4.2** – in practice, the City will calculate these adjustments based on actual CPI inflation.

The sewer utility is projected to end 2027 with a fund balance that exceeds the combined target balance of $1.1 million by about $457,000. This extra fund balance provides some flexibility to absorb additional costs if recent inflationary trends persist beyond 2024.

The financial plan presented in **Exhibit 4.7** reflects the following input received from the City's Utility Advisory Committee (UAC):

- The UAC accepted the recommendation from City staff that the utility begin funding system reinvestment, increasing the annual funding level over time to reach full funding of annual depreciation expense through sewer rates.

- The UAC accepted the recommended staffing additions proposed by City staff, which as shown in **Exhibit 4.7** would increase the sewer utility's 2023 operating costs by approximately $293,000 (6.5% of revenue at current rates).

- The UAC preferred that the sewer utility borrow funds to support its capital plan while retaining the CPI adjustments provided for in City policy. As shown in **Exhibit 4.4**, the sewer financial plan assumes $2.5 million in Public Works Trust Fund (PWTF) loan proceeds for the Eagle Harbor sewer upgrades and an additional $11.3 million in general obligation bond proceeds to support the completion of various sewer capital projects.

The rate study scope originally included a cost-of-service analysis that would determine an equitable allocation of the annual revenue requirement among the City's customer classes. Though the sewer rate revenue increases are not as large on a percentage basis as the proposed water rate revenue increases, the resulting dollar increases to customers' sewer bills are high enough that shifting costs among classes could worsen the rate impacts for some users. Recognizing the short-term impacts that the COVID-19 pandemic had on customer water usage (e.g. residential water usage was likely higher than normal due to the greater amount of telecommuting; commercial usage was likely lower than normal due to limited and modified business operations), we would hesitate to make material changes to how the City recovers costs from customer classes based on potentially skewed data. For these reasons, we recommend that the City adjust all sewer rates uniformly (as shown in **Exhibit 4.7**) and revisit the cost allocations in a future update. **Exhibit 4.8** presents the sewer rate forecast.

Exhibit 4.8: Sewer Rate Forecast

Monthly Sewer Rates	Existing	Projected			
	2023	2024	2025	2026	2027
Annual Sewer Revenue Adjustment	*10.1%*	*7.0%*	*2.0%*	*2.0%*	*2.0%*
Single-Family Residential (Winslow)					
Monthly Base Rate	$47.94	*$51.30*	*$52.32*	*$53.37*	*$54.44*
Consumption Charge per 100 Cubic Feet (ccf)[1]	$8.18	*$8.75*	*$8.93*	*$9.11*	*$9.29*
Sewer-Only Monthly Flat Rate per ERU	$134.54	*$143.96*	*$146.84*	*$149.77*	*$152.77*
Multi-Family Residential (Winslow)					
Monthly Base Rate per Dwelling Unit	$41.99	*$44.93*	*$45.83*	*$46.74*	*$47.68*
Consumption Charge per 100 Cubic Feet (ccf)[1]	$8.18	*$8.75*	*$8.93*	*$9.11*	*$9.29*
Commercial (Winslow)					
Monthly Base Rate	$147.41	*$157.73*	*$160.88*	*$164.10*	*$167.38*
Consumption Charge per 100 Cubic Feet (ccf)	$11.12	*$11.90*	*$12.14*	*$12.38*	*$12.63*
Sewer-Only Monthly Flat Rate per ERU	$180.69	*$193.34*	*$197.21*	*$201.15*	*$205.17*
South Island[2]					
Monthly Base Rate – With Grinder Pump	$31.69	*$33.91*	*$34.59*	*$35.28*	*$35.98*
Monthly Base Rate – No Grinder Pump	$26.08	*$27.91*	*$28.46*	*$29.03*	*$29.61*

[1]From mid-June to mid-September, residential users are billed for their average water usage from mid-December through mid-May.
[2]South Island users also pay KCSD's monthly rate (currently $62.59 per ERU) for wastewater treatment.

Exhibit 4.8 shows the existing sewer rates and projected 2024 – 2027 sewer rates based on the assumed CPI inflation rates – as previously noted, the rates adopted by the City will reflect actual CPI inflation as specified in City Ordinance No. 2022-05. We recommend that the City conduct another rate study around 2025 to verify that the rates shown for 2026 – 2027 remain adequate.

From June – September, the City currently bills residential users for sewer service based on water used from mid-December through mid-May. With warm and dry summer conditions persisting into October in recent years, the City has received a number of complaints from customers about their sewer bills increasing significantly in October. **Exhibit 4.9** provides a three-year history of bimonthly water consumption for the City's customer base as a whole.

Exhibit 4.9: Billed Water Consumption by Bimonthly Billing Period (2019 – 2021)

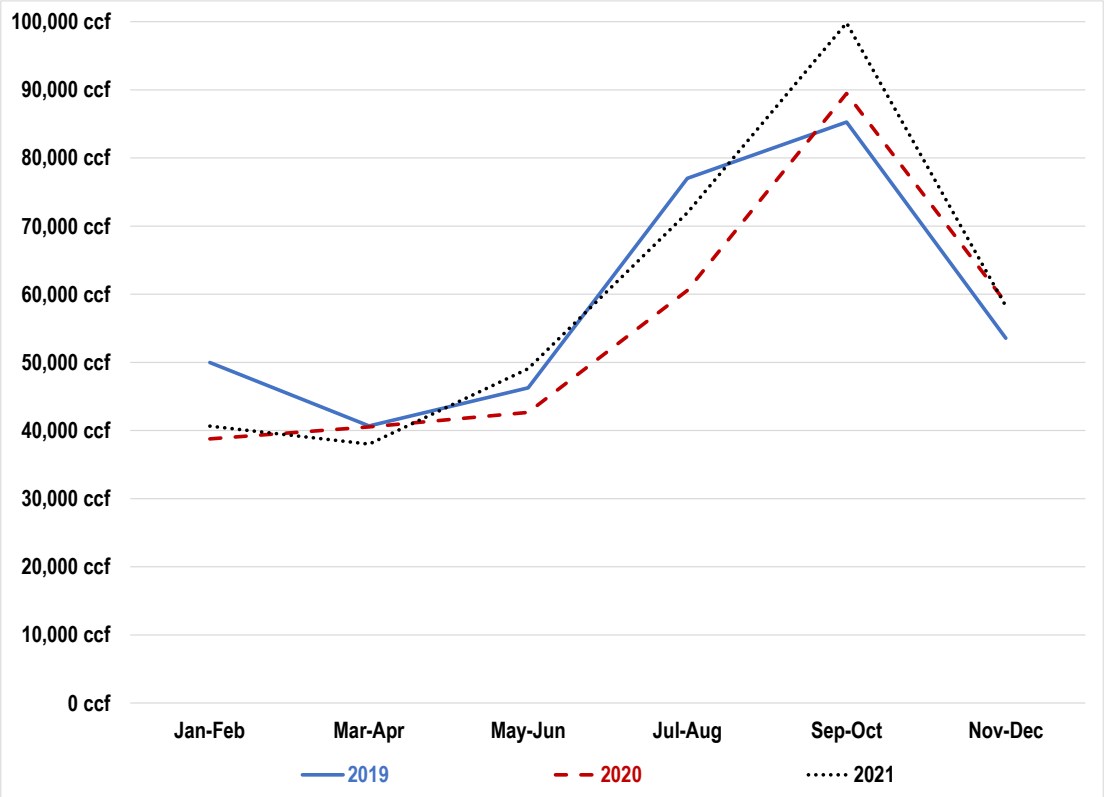


Exhibit 4.9 highlights the concern that the City's customers have raised. The City's current winter-averaging policy uses December – May water consumption as the basis for billing residential users for June – September, but then reverts to billing based on actual water usage in October. Given that the City bills residential users bimonthly, the bills sent to customers in October reflect water that was used in late August and September. The amount of billed consumption decreases significantly in the November billings, generally remaining in the winter-average range through May.

Based on the demand pattern shown in **Exhibit 4.9**, we would recommend that the City bill residential customers based on their winter-average water consumption year-round. In addition to addressing the issue of October bill spikes, this would improve revenue stability for the sewer utility. Given that the City already determines winter-average water consumption on an annual basis for the existing rate structure, this change would not increase (and could even decrease) the effort required to administer the rate structure. We recommend that the City bill single-family residential users that do not have a representative history of winter water consumption based on the median winter-average consumption per single-family account (currently estimated to be about 9 ccf per bimonthly billing period) until they establish a representative usage history. We would recommend billing multi-family users without a representative history based on 8 ccf per bimonthly billing period for each dwelling unit, given the median single-family consumption value and the existing policy for billing multi-family users (they pay approximately 88% of the single-family base rate per dwelling unit).

Section V. SPF UPDATE

V.A. OVERVIEW

Authorized by Section 35.92.025 of the Revised Code of Washington (RCW), the City imposes SPFs on new development to recover an equitable share of the cost of system infrastructure. SPFs promote equity between existing customers and growth, recognizing that existing customers have paid (and will continue to pay) for infrastructure that is oversized to serve growth. **Exhibit 5.1** summarizes the City's existing SPFs, which were most recently updated in 2018.

Exhibit 5.1: Summary of Existing SPFs

Water SPF	Single-Family	Multi-Family	Commercial	Irrigation
5/8" Meter	$3,806	$4,030	$4,030	$3,357
3/4" Meter	$5,709	$6,045	$6,045	$5,036
1" Meter	$9,515	$10,075	$10,075	$8,394
1-1/2" Meter	$19,029	$20,150	$20,150	$16,787
2" Meter	$30,447	$32,240	$32,240	$26,860
3" Meter	$60,893	$64,480	$64,480	$53,720
4" Meter	$95,145	$100,750	$100,750	$83,937
6" Meter	$190,291	$201,499	$201,499	$167,875

Sewer SPF	Single-Family	Multi-Family	Commercial	
Winslow	$8,187	$5,079 per Unit	$8,187 per ERU[1]	
South Island[2]	$3,751	$2,327 per Unit	$3,751 per ERU[1]	

[1]The City defines an ERU as 20 fixture units for commercial users.
[2]South Island customers also pay a connection charge to KCSD for wastewater treatment, currently up to $12,013.00.

V.B. GENERAL METHODOLOGY

The SPFs shown in **Exhibit 5.1** reflect an "average-cost" methodology, dividing the total cost of the system by the total capacity of the system to arrive at an average cost per equivalent unit of capacity (typically defined in terms of a single-family home). The UAC considered alternative methodologies during the 2018 review and concluded that the average-cost methodology was the best fit for the City as it typically results in a more moderate charge that remains more stable over time.

The updated SPF calculations are discussed in further detail below.

V.B.1. Existing Cost Basis

The existing cost basis includes the cost of existing facilities of general system benefit, such as storage reservoirs, transmission mains, and pump stations. It intends to recognize the net investment made in existing system assets by ratepayers, and includes the following components:

- ***Original Cost of Existing Assets:*** RCW 35.92.025 authorizes cities to impose "such reasonable connection charge as the legislative body of the city or town shall determine

proper in order that such property owners shall bear their equitable share of the cost of such system." This includes the documented (non-depreciated) cost of utility assets. The Washington State Supreme Court's decision in *Boe v. Seattle* limits this cost to original/actual cost and precludes utilities from using current replacement costs as the basis for setting SPFs.

- ***Plus – Interest Accrued on Existing Assets:*** RCW 35.92.025 allows the SPF to include "interest charges applied from the date of construction of the water or sewer system until the connection, or for a period not to exceed ten years, whichever is shorter, at a rate commensurate with the rate of interest applicable to the city or town at the time of construction or major rehabilitation of the system, or at the time of installation of the lines to which the property owner is seeking to connect but not to exceed ten percent per year."

- ***Plus – Construction in Progress:*** The existing cost basis can also include construction in progress, investments that the City has made in infrastructure that are neither booked as assets (having not yet been placed in service) nor included in its forward-looking capital improvement plan.

- ***Less – Contributed Assets:*** To be conservative, this analysis reflects the more stringent standard that RCW 57.08.005 (11) imposes on connection charges for special-purpose districts – specifically, the existing cost basis excludes assets that were donated or paid for by grants.

- ***Less – Utility-Funded Meters & Services:*** Recognizing that new development will generally have to pay for the meters and service lines for their properties, the cost basis does not include investments that the City has made in other customers' meters and service lines.

- ***Less – Net Outstanding Debt Principal:*** Though not explicitly required by law, this analysis deducts the outstanding principal balance of the City's water and sewer utility debt (net of available cash and investments) to avoid double charging growth for assets that they will pay for through rates.

- ***Less – Provision for Asset Retirements:*** Specific to the average-cost method, this adjustment estimates and deducts the cost of existing assets being replaced by the planned capital projects. It intends to avoid double charging customers for an asset and its replacement.

V.B.2. Future Cost Basis

The future cost basis includes costs associated with planned future capital projects, of which there are three main types:

- Projects that repair or replace existing infrastructure, which are most often needed because existing facilities have deteriorated due to use by existing customers. The average-cost method includes them in the cost basis but adjusts the existing cost basis as discussed above to avoid double charging customers for existing assets and their replacement.

- Projects upgrading the level of service for all customers to comply with regulatory requirements imposed by State/Federal agencies. The average-cost method includes these project costs in the future cost basis.

- Projects that increase system capacity to serve growth and would not be needed in the absence of growth. The "average cost" method includes these costs in the future cost basis.

Consistent with the methodology outlined for the existing cost basis, the future cost basis excludes:

- Costs that the City anticipates funding through grants or developer contributions, especially if those projects are contingent on receiving such funding

- Costs of installing/replacing meters and service lines

V.B.3. Functionalization of SPF Cost Basis

The water and sewer SPF calculations reflect a functionalization of allocable costs to improve equity.

Functionalization of Water SPF

The water SPF includes separate charges for water service and fire protection. The fire protection charge is based on an allocation of costs to fire protection, including both direct facilities (e.g. hydrants) and the oversizing of other facilities (e.g. mains, pumps, reservoirs) to accommodate fire flow. It is weighted to reflect the fire flow requirement applicable to each customer class and is the basis for class-specific water SPFs.

A fundamental question considered in this analysis relates to how costs are allocated to fire protection versus general water service. There are three conceptual perspectives:

- Water service is the primary function, with fire protection being a secondary function. This approach generally results in the lowest allocation to fire protection, with an allocation of only the incremental costs associated with installing or oversizing facilities to meet established fire flow requirements.

- Fire protection is the primary function, with water service being a secondary function. This approach generally results in the highest allocation to fire protection, with an allocation of all but the incremental costs associated with installing or oversizing facilities to meet peak demands above the established fire flow requirements.

- Water service and fire protection are functions of equal importance. This approach allocates costs proportionately between the two functions.

The 2018 analysis used the first approach, consistent with the prior (2008) rate study. The 2008 rate study adapted this approach in response to the Washington State Supreme Court's decision in *Lane v. Seattle*, which defined fire protection as a general governmental service that could not be funded through water service rates. This decision led many cities in Washington to minimize the allocation of their water utility costs to fire protection in an attempt to minimize the impact of shifting costs to their General Funds. However, legislation has since been passed that allows cities to recover the cost

of fire protection through their water rates once again. In addition, recent discussions between King County and water utilities with facilities located in its rights-of-way have prompted us to reconsider how we allocate costs to fire protection. Though the City is not a party to King County's franchise discussions, our assessment of cost-allocation methodology has led us to conclude that the proportional allocation method is a more defensible way to allocate costs between water service and fire protection. As a result, we have incorporated this methodology into the current SPF analysis.

The following principles guided the allocation of costs (by general asset category) between the water-service and the fire-protection components of the SPF:

- **Supply & Treatment:** Wells and other supply assets were not attributed to fire protection.

- **Pumping:** Booster pump stations and other pumping-related assets were allocated based on an allocation of pumping facilities between fire protection and supply capacity. Table 5.5 of the City's 2017 Water System Plan shows that the total firm capacity of the City's booster stations is 1,860 gallons per minute (gpm); Table 5.4 of the 2017 WSP indicates that 130 gpm, or 6.99% of the total firm capacity is needed for fire storage replenishment.

- **Storage:** The allocation of the City's reservoirs to fire protection was based on an inventory of storage capacity outlined in the 2017 WSP, summarized in **Exhibit 5.2**:

Exhibit 5.2: Functional Allocation of Storage Capacity

Storage Function	Storage Capacity	Fire Protection Share
Fire Suppression Storage	540,000 Gallons	100.0%
Standby Storage	133,500 Gallons[1]	0.0%
Equalizing Storage	93,257 Gallons[2]	0.0%
Operational Storage	160,343 Gallons	70.4%[3]
Total	**927,100 Gallons**	**70.4%**

[1]Based on the difference between total standby storage (673,500 gallons) and fire suppression storage, which is nested in the total standby storage capacity.

[2]Based on the difference between total storage above 30 psi (253,600 gallons) and operational storage.

[3]Attributable to general operations, operational storage is allocated proportionately to fire protection and water service based on the allocation of the other storage functions.

The 2018 analysis allocated 58.3% of the cost of reservoirs to fire protection**. Exhibit 5.2** indicates that based on a weighted average of storage capacity, 70.4% of the cost of the City's reservoirs is allocable to fire protection. This increased allocation to fire protection is attributable to the recommended change to the cost-allocation methodology – specifically, allocating a proportionate share of operational storage capacity to fire protection increased the total share allocated to fire protection from 58.3% to 70.4%.

- **Transmission & Distribution:** The City sized its transmission and distribution system to meet peak water demands and accommodate the required level of fire flow. Not all mains are oversized for fire flow, however – mains that are too small (e.g. appurtenance piping) do not have the capacity for fire flow, and the City's largest mains are generally supply transmission mains that are not explicitly sized for fire flow. In the latter case, the water used for fire

protection comes from the City's reservoirs. This analysis assumes that if the City did not have to provide fire protection, 8" mains could be 6" mains, 10" mains could be 8" mains, and 12" mains could be 10" mains. This analysis estimated the fire protection share of mains based on estimated replacement cost, as shown below in **Exhibit 5.3**:

Exhibit 5.3: Functional Allocation of Water Mains

Diameter	Length	Replacement Cost per LF[1]	Estimated Replacement Cost	Fire Protection Share
< 4" Mains	5,753 LF	$277	$ 1,593,553	0.0%
4" Mains	25,683 LF	$301	7,730,583	0.0%
6" Mains	35,482 LF	$325	11,531,650	0.0%
8" Mains	144,335 LF	$348	48,216,555	43.8%
10" Mains	8,458 LF	$372	3,146,376	36.0%
12" Mains	40,450 LF	$394	15,937,300	30.6%
Hydrants[2]			1,365,926	100.0%
Meters & Services[3]			646,099	0.0%
Total	**260,161 LF**		**$90,168,042**	**31.6%**

[1]Based on data from Table 9.1 of the 2017 Water System Plan and adjusted from 2018 to 2022 dollars based on the ENR CCI; values extrapolated for mains smaller than 6" in diameter.

[2]Estimated replacement cost of 360 hydrants at a cost of $3,794 per hydrant. The cost per hydrant was estimated at $2,500 in 2009 dollars and escalated to 2022 dollars using the ENR Construction Cost Index. This value is separated out of the estimated replacement cost of 8" mains.

[3]Estimated replacement cost of 3,092 meter and service equivalents (MSEs) at a cost of $228 per MSE. The cost per MSE was estimated at $150 in 2009 dollars and escalated to 2022 dollars using the ENR CCI. This value is separated out of the estimated replacement cost of 8" mains.

The 2018 analysis allocated 6.5% of the cost of mains to fire protection. **Exhibit 5.3** shows an allocation of 31.6% of the cost of mains to fire protection, reflecting the recommended change to the proportional allocation methodology.

- **Hydrants:** As hydrants are predominantly attributable to fire protection, this analysis assigned the total cost of these facilities to fire protection.

- **General/Other:** This analysis allocated a proportionate share of cost of assets not explicitly attributable to any of the functions specified above (e.g. land, buildings, telemetry) to fire protection based on the allocation of the existing asset costs assigned to other categories. **Exhibit 5.4** summarizes this allocation:

Exhibit 5.4: Functional Allocation of Water System Assets

Asset Category	Original Cost as of 12/31/2021	Fire Protection Share
Supply & Treatment	$ 5,041,790	0.0%
Pumping	8,993	7.0%
Storage	1,134,804	70.4%
Transmission & Distribution	14,277,412	31.6%
Hydrants	54,862	100.0%
General/Other	1,176,727	26.1%
Total	**$21,694,589**	**26.1%**

Exhibit 5.4 shows that based on the allocation of the categories other than general/other, 26.1% of the cost of existing assets was assigned to fire protection. This percentage was used to allocate a share of the general/other asset costs to fire protection – because these assets are not specifically related to providing fire protection, the 2018 analysis did not allocate any of these costs to fire protection. The 2018 analysis allocated a total of 8.2% of the cost of existing assets to fire protection, compared to 26.1% in the current analysis based on the proportionate allocation methodology.

Functionalization of Sewer SPF

The sewer SPF includes separate charges for collection and treatment. The collection charge applies to development in the Winslow and South Island service areas; because the City's wastewater treatment facilities only serve Winslow, the treatment charge does not apply to South Island development (which instead pays charges imposed by KCSD for treatment service).

V.B.4. System Capacity

Given that the City's customers can impose significantly different demands on the water and sewer systems, the calculation expresses the capacity of each system in terms of equivalent residential units (ERUs). The average-cost methodology divides the total cost of each system by the total number of capacity units (in ERUs) that it can serve to arrive at an average cost per ERU. Though the denominator includes both existing and future ERUs to determine the charge per ERU, existing customers have already paid the applicable SPFs and will pay for a proportionate share of any future costs through water rates.

Water System Capacity

The water SPF calculation defines ERUs based on meter capacity equivalents (MCEs), which quantify the maximum continuous flow capacity of each service connection. The general methodology for estimating the ERU capacity of the water system included two steps:

1. ***Convert the existing customer base into ERUs using current customer data.***

To assign MCEs to various connection sizes, this analysis uses a meter equivalency scale published by the American Water Works Association (3/4" × 3/4" standard). **Exhibit 5.5** summarizes the City's existing water customer base:

Exhibit 5.5: Existing Water Customer Base (2022)

Meter Size	No. of MCEs	Single-Family	Multi-Family	Commercial	Irrigation	Total
3/4"	1.00	2,058	19	119	40	2,297
1"	1.67	32	14	45	12	104
1-1/2"	3.33	1	18	21	10	50
2"	5.33	-	35	31	8	74
3"	10.67	-	4	3	1	7
4"	16.67	-	3	2	-	5
6"	33.33	-	-	-	-	-
Total Meters		2,091	92	220	71	2,537
Total MCEs		2,114	373	486	146	3,187
Fire Flow Requirement		1,000 gpm	1,500 gpm	1,500 gpm	0 gpm	
Fire-Weighted MCEs		2,114	559	728	0	3,471

Based on the information presented in **Exhibit 5.5**, the existing customer base equates to 3,187 MCEs – this total is included in the denominator for the water-service portion of the SPF. The denominator for the fire-protection component of the SPF reflects a weighting of the existing MCE counts for applicable fire flow requirements:

- For single-family customers, this weighting factor is 1.00 since 1,000 gpm is the "base" level of fire flow.
- Irrigation meters are not assigned MCEs for the purpose of the fire protection component of the SPF, as there is no applicable fire flow requirement for irrigation users.
- For other customers, this weighting factor is 1.50 to recognize the higher fire flow requirement (1,500 gpm vs. 1,000 gpm).

The existing customer base equates to 3,471 MCEs for the fire protection component of the SPF.

2. Estimate existing utilization of system capacity.

Section 3.2.4 of the 2017 WSP indicates that the average consumption per single-family home is 152 gallons per day. With a projected 2022 annual water consumption of 329,336 ccf (based on actual 2021 customer data with an adjustment for assumed growth), this assumption equates to 4,440 demand-based ERUs.

3. Estimate potential system capacity available for growth.

City staff provided the ERU determination worksheet completed as part of the 2017 WSP, which summarized the physical capacity of the water system in ERUs for various system components. **Exhibit 5.6** summarizes this information, also equating it to potential growth in MCEs.

Exhibit 5.6: Water System Capacity

Water System Component	Source	Equalizing Storage	Standby Storage	Distribution
Physical Capacity in ERUs	7,964	5,200	12,190	7,700
Existing Utilization (Projected 2022 Demand)	4,440	4,440	4,440	4,440
Potential Growth in ERUs	79.4%	17.1%	174.5%	73.4%
Existing MCEs	3,187	3,187	3,187	3,187
Total MCEs with Potential Growth	5,716	3,732	8,750	5,527
Fire-Weighted MCEs	3,471	3,471	3,471	3,471
Total Fire-Weighted MCEs with Growth	6,225	4,065	9,528	6,019

Exhibit 5.6 indicates that equalizing storage is the primary constraint of the system, allowing approximately 17.1% growth in ERUs. This is used as the denominator of the storage component of the SPF calculation. The transmission/distribution, pumping, and hydrant components of the SPF use the potential growth in distribution ERUs (73.4%), while the supply component uses the potential growth in source ERUs (79.4%). The general/other component uses a weighted average of these growth percentages (weighted by the total costs assigned to each of the other components) to arrive at a potential growth estimate of 62.3%.

Note that the SPF calculation reflects an estimate of the potential growth that the water system can serve based on its capacity, which significantly exceeds the growth projected over the 2023 – 2027 CIP planning period.

Sewer System Capacity

Because water meter size is not as good of an indicator of wastewater flows as it is of potential water demand, the sewer system capacity estimate is derived from ERU estimates provided by the City. Specifically, the City has indicated future projections of 5,032 ERUs for the Winslow area and 480 ERUs for the South Island area. The collection portion of the sewer SPF uses the combined total of 5,512 ERUs; because the treatment portion of the sewer SPF only applies in the Winslow area, it only includes the ERU capacity for the Winslow area.

V.C. SPF CALCULATION

Exhibit 5.7 summarizes the updated SPF calculation for each utility:

Exhibit 5.7: Updated SPF Calculations

Water SPF Calculation	Supply	Pumping	Storage	Transmission & Distribution	Hydrants	General	Total
Existing Assets as of 12/31/21	$4,733,457	$ 8,993	$ 1,029,205	$14,069,738	$54,862	$1,176,252	$21,072,508
Less: Contributed Assets	(364,016)	(692)	(79,149)	(4,232,778)	(4,219)	(397,461)	(5,078,315)
Plus: Construction in Progress	308,333	-	105,599	207,674	-	475	622,081
Less: Provision for Asset Retirements	(407,082)	-	(950,057)	(73,172)	-	-	(1,430,311)
Plus: Accrued Interest	2,471,452	3,942	-	5,321,076	29,158	326,525	8,152,153
Less: Net Outstanding Debt Principal	-	-	(13,645,636)	-	-	-	(13,645,636)
Capital Improvement Program	3,787,000	-	21,664,000	2,485,000	-	225,000	28,161,000
Less: Locally Funded Improvements[1]	-	-	-	(960,000)	-	-	(960,000)
Total Cost Basis	**$10,529,144**	**$12,244**	**$8,123,963**	**$16,817,538**	**$79,801**	**$1,330,791**	**$36,893,481**
Allocation to Fire Protection	0.0%	7.0%	70.4%	31.6%	100.0%	26.1%	
Total Cost Allocated to Fire Protection	$ -	$856	$5,721,422	$5,308,745	$79,801	$347,754	$11,458,578
Total Capacity in Fire-Weighted MCEs	6,225	6,019	4,065	6,019	6,019	5,634	
Fire-Protection SPF per MCE	**$ -**	**$0**	**$1,408**	**$882**	**$13**	**$62**	**$2,365**
Total Cost Allocated to Water Service	$10,529,144	$11,388	$2,402,542	$11,508,793	$ -	$983,036	$25,434,903
Total Capacity in MCEs	5,716	5,527	3,732	5,527	5,527	5,173	
Water-Service SPF per MCE	**$1,842**	**$2**	**$644**	**$2,082**	**$ -**	**$190**	**$4,760**
Total SPF per MCE (Single-Family[2])	**$1,842**	**$2**	**$2,051**	**$2,964**	**$13**	**$252**	**$7,125**
Existing Water SPF per ERU	***$1,713***	***$2***	***$882***	***$2,770***	***$13***	***$329***	***$5,709***

[1]Portion of the Ferncliff water main extension proposed to be recovered through local surcharges to the property owners connecting to the main.
[2]Fire-protection SPF is multiplied by 1.5 for multi-family/commercial SPFs and excluded from irrigation SPFs.

Sewer SPF Calculation	Collection	Treatment	Total
Existing Assets as of 12/31/21	$14,838,353	$20,753,434	$35,591,787
Less: Contributed Assets	(2,490,873)	(968,987)	(3,459,860)
Plus: Construction in Progress	1,293,579	41,070	1,334,649
Less: Provision for Asset Retirements	(1,817,743)	(970,750)	(2,788,493)
Plus: Accrued Interest	4,331,980	8,809,743	13,141,723
Less: Net Outstanding Debt Principal	(540,400)	(1,152,068)	(1,692,468)
Capital Improvement Program	15,771,000	9,667,000	25,438,000
Total Cost Basis	**$31,385,896**	**$36,179,442**	**$67,565,338**
Total Capacity in ERUs	5,512	5,032	
Total SPF per ERU	**$5,694**	**$7,190**	**$12,884**
Existing Sewer SPF per ERU	***$3,751***	***$4,436***	***$8,187***

Exhibit 5.7 shows increases to both the water and sewer SPFs, which can be explained by the following factors:

- The total allocable system cost increased from $32.7 million to $36.9 million for the water utility and from $47.3 million to $67.6 million for the sewer utility. These increases are attributable to the addition of assets from 2018 – 2021, several years of interest accrual on existing assets, as well as increases in the forward-looking CIP for each utility. The water CIP notably increased due to an increase in the cost estimate of the reservoir replacement project from $3.25 million in the 2018 analysis to $21.6 million, though the debt issued to fund that project offsets the majority of the impact that the cost increase would otherwise have on the SPF. Notable increases in the sewer CIP include an increase in the estimated cost of extending the treatment plant outfall from $1.1 million to $6.4 million and the addition of

$3.1 million in treatment plant upgrades that were not included in the CIP used in the previous study. Other project cost estimates also increased due to recent inflationary trends.

- The estimates of system capacity generally decreased, increasing the cost per ERU.
    - » For the water utility, the key change was a decrease in the estimated system capacity attributable to equalizing storage limitations that were identified by the City after the 2018 analysis had been completed.
    - » For the sewer utility, City staff provided updated estimates of how many ERUs will be able to connect to each system. While the estimated ERU capacity of the South Island system increased from 423 to 480 ERUs, the estimated ERU capacity of the Winslow system decreased from 5,588 to 5,032 ERUs.

It is worth noting that the change in the methodology for allocating the water system's costs to fire protection offset the increase in the system cost per MCE for single-family users and actually reduced the cost per MCE for irrigation users. With the increased allocation of costs to fire protection, multi-family and commercial water SPFs increased more than the SPFs applicable to other users. Without the change in the cost-allocation methodology, the updated water SPF would be $7,214 per MCE instead of $7,125 per MCE.

Exhibit 5.8 summarizes the updated schedule of SPFs:

Exhibit 5.8: Schedule of Updated SPFs

Water SPF	Single-Family		Multi-Family		Commercial		Irrigation	
	Existing	Proposed	Existing	Proposed	Existing	Proposed	Existing	Proposed
5/8" Meter	$3,806	$4,750	$4,030	$5,538	$4,030	$5,538	$3,357	$3,173
3/4" Meter	$5,709	$7,125	$6,045	$8,307	$6,045	$8,307	$5,036	$4,760
1" Meter	$9,515	$11,875	$10,075	$13,845	$10,075	$13,845	$8,394	$7,933
1-1/2" Meter	$19,029	$23,749	$20,150	$27,691	$20,150	$27,691	$16,787	$15,867
2" Meter	$30,447	$37,999	$32,240	$44,305	$32,240	$44,305	$26,860	$25,387
3" Meter	$60,893	$75,998	$64,480	$88,610	$64,480	$88,610	$53,720	$50,773
4" Meter	$95,145	$118,746	$100,750	$138,453	$100,750	$138,453	$83,937	$79,334
6" Meter	$190,291	$237,492	$201,499	$276,905	$201,499	$276,905	$167,875	$158,667

Sewer SPF	Single-Family		Multi-Family (per Unit)		Commercial (per ERU[1])	
	Existing	Proposed	Existing	Proposed	Existing	Proposed
Winslow	$8,187	$12,884	$5,079	$7,993	$8,187	$12,884
South Island[2]	$3,751	$5,694	$2,327	$3,532	$3,751	$5,694

[1]The City defines an ERU as 20 fixture units for commercial users.
[2]South Island customers also pay a connection charge to KCSD for wastewater treatment, currently up to $12,013.00.

APPENDIX A
WATER RATE & SPF MODEL

City of Bainbridge Island
Water Rate and SPF Model
Summary

Revenue Requirement	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Revenues										
Rate Revenues Under Existing Rates	$ 1,159,606	$ 1,329,404	$ 1,351,577	$ 1,374,237	$ 1,397,393	$ 1,421,058	$ 1,445,242	$ 1,469,957	$ 1,495,215	$ 1,521,029
Non-Rate Revenues	198,712	225,900	221,621	206,568	195,574	190,037	190,037	190,037	190,037	190,037
Total Revenues	**$ 1,358,318**	**$ 1,555,304**	**$ 1,573,198**	**$ 1,580,805**	**$ 1,592,968**	**$ 1,611,095**	**$ 1,635,279**	**$ 1,659,994**	**$ 1,685,252**	**$ 1,711,066**
Expenses										
Cash Operating Expenses	$ 1,635,568	$ 1,696,099	$ 1,806,298	$ 1,876,733	$ 1,936,951	$ 1,999,742	$ 2,065,200	$ 2,133,083	$ 2,203,487	$ 2,276,511
Existing Debt Service	-	380,548	1,776,204	1,749,761	1,723,318	1,696,875	1,670,433	1,643,990	1,617,547	1,591,104
New Debt Service	-	-	-	-	-	-	-	-	-	-
Rate Funded System Reinvestment	-	-	-	-	-	154,623	249,198	346,604	446,961	550,395
Total Expenses	**$ 1,635,568**	**$ 2,076,647**	**$ 3,582,502**	**$ 3,626,494**	**$ 3,660,269**	**$ 3,851,241**	**$ 3,984,830**	**$ 4,123,677**	**$ 4,267,995**	**$ 4,418,009**
Net Surplus (Deficiency)	**$ (277,250)**	**$ (521,343)**	**$ (2,009,304)**	**$ (2,045,689)**	**$ (2,067,302)**	**$ (2,240,146)**	**$ (2,349,551)**	**$ (2,463,682)**	**$ (2,582,742)**	**$ (2,706,943)**
Additions to Meet Coverage	-	-	-	-	-	-	-	-	-	-
Total Surplus (Deficiency)	**$ (277,250)**	**$ (521,343)**	**$ (2,009,304)**	**$ (2,045,689)**	**$ (2,067,302)**	**$ (2,240,146)**	**$ (2,349,551)**	**$ (2,463,682)**	**$ (2,582,742)**	**$ (2,706,943)**
% of Rate Revenue	**23.91%**	**39.22%**	**148.66%**	**148.86%**	**147.94%**	**157.64%**	**162.57%**	**167.60%**	**172.73%**	**177.97%**
Annual Rate Adjustment	**0.00%**	**13.53%**	**25.00%**	**25.00%**	**25.00%**	**25.00%**	**2.00%**	**2.00%**	**2.00%**	**2.00%**
Cumulative Annual Rate Adjustment	**0.00%**	**13.53%**	**41.92%**	**77.40%**	**121.74%**	**177.18%**	**182.72%**	**188.38%**	**194.15%**	**200.03%**
Rate Revenues After Rate Increase	$ 1,159,606	$ 1,434,351	$ 1,918,110	$ 2,437,835	$ 3,098,642	$ 3,938,896	$ 4,086,047	$ 4,239,042	$ 4,398,119	$ 4,563,530
Additional In-Lieu of Taxes from Rate Increase	$ -	$ 11,575	$ 62,483	$ 117,304	$ 187,631	$ 277,692	$ 291,254	$ 305,402	$ 320,161	$ 335,557
Net Cash Flow After Rate Increase	**$ (277,250)**	**$ (427,970)**	**$ (1,505,254)**	**$ (1,099,395)**	**$ (553,684)**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
Coverage After Rate Increases	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**	**n/a**
Sample Residential Monthly Bill (3/4" Meter, 7 ccf monthly)	**$23.29**	**$ 29.10**	**$ 36.42**	**$ 45.48**	**$ 56.87**	**$ 71.09**	**$ 72.53**	**$ 73.98**	**$ 75.45**	**$ 76.93**
Monthly Average Increase ($)		$ 5.81	$ 7.32	$ 9.06	$ 11.39	$ 14.22	$ 1.44	$ 1.45	$ 1.47	$ 1.48
Annual Rate Payment	$279.48	$ 349.20	$ 437.04	$ 545.76	$ 682.44	$ 853.08	$ 870.36	$ 887.76	$ 905.40	$ 923.16
Net Present Value @ 4.5%	$11,257									

City of Bainbridge Island
Water Rate and SPF Model
Summary

Fund Balance	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
OPERATING FUND										
Beginning Balance	$ 2,500,000	$ 4,000,000	$ 3,572,030	$ 2,066,776	$ 967,381	$ 413,697	$ 413,697	$ 413,697	$ 413,697	$ 413,697
plus: Net Cash Flow after Rate Increase	(277,250)	(427,970)	(1,505,254)	(1,099,395)	(553,684)	-	-	-	-	-
less: Transfer of Surplus to Capital Fund	-	-	-	-	-	-	-	-	-	-
Ending Balance	**$ 2,222,750**	**$ 3,572,030**	**$ 2,066,776**	**$ 967,381**	**$ 413,697**	**$ 413,697**	**$ 413,697**	**$ 413,697**	**$ 413,697**	**$ 413,697**
O&M Target Balance	*$ 268,861*	*$ 278,811*	*$ 296,926*	*$ 308,504*	*$ 318,403*	*$ 328,725*	*$ 339,485*	*$ 350,644*	*$ 362,217*	*$ 374,221*
Days	*496*	*769*	*419*	*188*	*78*	*76*	*73*	*71*	*69*	*66*
CAPITAL										
Beginning Balance	$ 4,685,667	$ 1,747,000	$ 516,319	$ 2,327,334	$ 1,943,817	$ 1,661,423	$ 417,297	$ 870,788	$ 1,338,716	$ 1,821,446
plus: Rate Funded System Reinvestment	-	-	-	-	-	154,623	249,198	346,604	446,961	550,395
plus: Transfers from Operating Fund	-	-	-	-	-	-	-	-	-	-
plus: Grants/ Donations/ CIAC	-	-	-	-	-	-	-	-	-	-
plus: Additional Proceeds (Costs)	-	1,642,079	12,767,000	9,714,302	-	-	-	-	-	-
plus: System Participation Fee Revenue	217,652	403,770	411,852	420,908	430,168	439,636	449,319	459,219	469,344	479,696
less: System Participation Fee Revenue Towards Debt	-	-	-	-	-	-	-	-	-	-
plus: Revenue Bond Proceeds	-	-	-	-	-	-	-	-	-	-
plus: PWTF Loans Proceeds	-	-	-	-	-	-	-	-	-	-
plus: Other Loan Proceeds	-	-	-	-	-	-	-	-	-	-
plus: Interest Earnings	52,618	17,470	5,163	23,273	19,438	16,614	4,173	8,708	13,387	18,214
Total Funding Sources	**$ 4,955,936**	**$ 3,810,319**	**$ 13,700,334**	**$ 12,485,817**	**$ 2,393,423**	**$ 2,272,297**	**$ 1,119,986**	**$ 1,685,319**	**$ 2,268,407**	**$ 2,869,752**
less: Capital Expenditures	(365,000)	(3,294,000)	(11,373,000)	(10,542,000)	(732,000)	(1,855,000)	(249,198)	(346,604)	(446,961)	(550,395)
Ending Working Capital Balance	**$ 4,590,936**	**$ 516,319**	**$ 2,327,334**	**$ 1,943,817**	**$ 1,661,423**	**$ 417,297**	**$ 870,788**	**$ 1,338,716**	**$ 1,821,446**	**$ 2,319,357**
Minimum Target Balance	*$ 137,131*	*$ 170,071*	*$ 283,801*	*$ 389,221*	*$ 396,541*	*$ 415,091*	*$ 417,583*	*$ 421,049*	*$ 425,519*	*$ 431,023*
COMBINED BEGINNING FUND BALANCE	**$ 7,185,667**	**$ 5,747,000**	**$ 4,088,349**	**$ 4,394,110**	**$ 2,911,198**	**$ 2,075,120**	**$ 830,994**	**$ 1,284,485**	**$ 1,752,413**	**$ 2,235,143**
COMBINED ENDING FUND BALANCE	**$ 6,813,686**	**$ 4,088,349**	**$ 4,394,110**	**$ 2,911,198**	**$ 2,075,120**	**$ 830,994**	**$ 1,284,485**	**$ 1,752,413**	**$ 2,235,143**	**$ 2,733,054**
Combined Days	*1,521*	*880*	*890*	*566*	*391*	*152*	*228*	*300*	*370*	*438*
Total Combined Ending Fund Balance Target	*$ 405,992*	*$ 448,882*	*$ 580,727*	*$ 697,725*	*$ 714,944*	*$ 743,816*	*$ 757,068*	*$ 771,693*	*$ 787,736*	*$ 805,244*

City of Bainbridge Island
Water Rate and SPF Model
Assumptions

Economic & Financial Factors	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
General Cost Inflation	8.00%	8.00%	7.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Construction Cost Inflation	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	3.00%	3.00%	3.00%
Labor Cost Inflation	8.00%	8.00%	7.00%	6.00%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%
Benefit Cost Inflation	8.00%	8.00%	7.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
General Inflation plus Composite Growth	1.11%	12.85%	9.14%	4.05%	4.05%	4.06%	4.06%	4.07%	4.07%	4.08%
Customer Growth	**-6.38%**	**4.49%**	**2.00%**	**2.01%**	**2.01%**	**2.02%**	**2.02%**	**2.03%**	**2.03%**	**2.04%**
Single Family Account Growth	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%
Multi-Family Account Growth	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Commercial Account Growth	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Irrigation Account Growth	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%
Rockaway Account Growth	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Demand Growth										
Single Family Demand Growth	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%
Multi-Family Demand Growth	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Commercial Demand Growth	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Irrigation Demand Growth	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%
Rockaway Demand Growth	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
No Escalation	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Investment Interest	1.12%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Excise Taxes	5.029%	5.029%	5.029%	5.029%	5.029%	5.029%	5.029%	5.029%	5.029%	5.029%
B&O Taxes	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%
City Taxes	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%

Accounting Assumptions		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
FISCAL POLICY RESTRICTIONS											
Min. Op. Fund Balance Target (days of O&M expense)		60	60	60	60	60	60	60	60	60	60
Max. Op. Fund Balance (days of O&M expense)		90	90	90	90	90	90	90	90	90	90
Minimum Capital Fund Balance Target											
Select Minimum Capital Fund Balance Target	1	**Defined as % of Plant Net Book Value**									
1 - Defined as % of Plant Net Book Value	Estimated Assets										
Plant Net Book Value in 2021	$ 13,348,140	$ 133,554	$ 134,213	$ 136,488	$ 138,596	$ 138,743	$ 139,114	$ 139,163	$ 139,233	$ 139,322	$ 139,432
Minimum Capital Fund Balance - % of plant assets		1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
2 - Amount at Right ==>		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
RATE FUNDED SYSTEM REINVESTMENT											
Select Reinvestment Funding Strategy	3	**User Input**									
Amount of Annual Cash Funding from Rates											
1 - Equal to Annual Depreciation Expense		$ 313,146	$ 320,446	$ 386,326	$ 613,786	$ 824,626	$ 839,266	$ 876,366	$ 881,350	$ 888,282	$ 897,221
2 - Equal to Annual Depreciation Expense less Annual Debt Principal Payme		313,146	320,446	-	-	-	-	-	-	-	-
3 - Equal to Amount at Right ==>		$ -	$ -	$ -	$ -	$ -	$ 154,623	$ 249,198	$ 346,604	$ 446,961	$ 550,395
	% Phase-In	0.00%	0.00%	0.00%	0.00%	0.00%	18.42%	28.44%	39.33%	50.32%	61.34%
4 - Do Not Fund System Reinvestment											

City of Bainbridge Island
Water Rate and SPF Model
Assumptions

Capital Financing Assumptions		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
System Participation Fees (SPFs)											
System Participation Fee per Meter Equivalent											
Single-Family		$5,709	$7,125	$7,125	$7,125	$7,125	$7,125	$7,125	$7,125	$7,125	$7,125
Multi-Family		$6,045	$8,307	$8,307	$8,307	$8,307	$8,307	$8,307	$8,307	$8,307	$8,307
Commercial		$6,045	$8,307	$8,307	$8,307	$8,307	$8,307	$8,307	$8,307	$8,307	$8,307
Irrigation		$5,036	$4,760	$4,760	$4,760	$4,760	$4,760	$4,760	$4,760	$4,760	$4,760
Annual Growth in Meter Capacity Equivalents (MCEs)											
Single-Family			50	51	52	53	55	56	57	58	60
Multi-Family			4	4	4	4	4	4	4	4	4
Commercial			-	-	-	-	-	-	-	-	-
Irrigation			3	4	4	4	4	4	4	4	4
Total			57	58	60	61	62	64	65	67	68
Single-Family % of Total Growth			87%	87%	87%	88%	88%	88%	88%	88%	88%
Projected SPF Revenues	$ 175,954	$ 217,652	$ 403,770	$ 411,852	$ 420,908	$ 430,168	$ 439,636	$ 449,319	$ 459,219	$ 469,344	$ 479,696
			5,547	5,658	5,783	5,911	6,042	6,176	6,313	6,453	6,597
FUNDING SOURCES											
Grants		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Additional Proceeds (Costs)											
PWTF Loan - Winslow Water Tank Replacement		$ -	$ 850,000	$ 3,650,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -
State Revolving Fund Loan		-	-	6,617,000	214,302	-	-	-	-	-	-
Ferncliff DWSRF Loan		-	792,079	-	-	-	-	-	-	-	-
ARPA Funding		-	-	-	-	-	-	-	-	-	-
New PWTF Loan - Winslow Water Tank Replacement		-	-	-	9,500,000	-	-	-	-	-	-
G.O. Bond		-	-	2,500,000	-	-	-	-	-	-	-
[Extra]		-	-	-	-	-	-	-	-	-	-
Total Additional Proceeds		**$ -**	**$ 1,642,079**	**$ 12,767,000**	**$ 9,714,302**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
REVENUE BONDS											
Term (years)		20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years
Interest Only Payments		0 Years	0 Years	3 Years	0 Years	0 Years	0 Years	0 Years	0 Years	0 Years	0 Years
Interest Rate		4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
Issuance Cost		2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Revenue Bond Coverage Requirement	**1.25**										
Use Reserves to Pay for Last Payment	**No**										
PWTF LOANS											
Term		20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years
Interest Rate		0.94%	0.94%	0.94%	0.94%	0.94%	0.94%	0.94%	0.94%	0.94%	0.94%
OTHER LOANS											
Term (years)		20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years
Interest Rate		2.50%	2.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%
Issuance Cost		1.00%	1.00%	1.50%	1.50%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%

City of Bainbridge Island
Water Rate and SPF Model
Operating Revenue and Expenditure Forecast

			Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast
Revenues		**FORECAST BASIS**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
Acct. #	**Rate Revenue**										
	Single-Family	Single Family Account Growth	$ 773,313	$ 791,099	$ 809,295	$ 827,908	$ 846,950	$ 866,430	$ 886,358	$ 906,744	$ 927,599
	Multi-Family	Multi-Family Account Growth	185,188	187,040	188,911	190,800	192,708	194,635	196,581	198,547	200,532
	Commercial	Commercial Account Growth	229,423	229,423	229,423	229,423	229,423	229,423	229,423	229,423	229,423
	Irrigation	Irrigation Account Growth	110,242	112,778	115,372	118,025	120,740	123,517	126,358	129,264	132,237
	Rockaway Beach	Rockaway Account Growth	31,237	31,237	31,237	31,237	31,237	31,237	31,237	31,237	31,237
	[Extra]	No Escalation	-	-	-	-	-	-	-	-	-
	Tota Rate Revenue		**$ 1,329,404**	**$ 1,351,577**	**$ 1,374,237**	**$ 1,397,393**	**$ 1,421,058**	**$ 1,445,242**	**$ 1,469,957**	**$ 1,495,215**	**$ 1,521,029**
	Non Rate Revenue										
343411	Water Sales-Other Misc Rev	No Escalation	115,000	115,000	115,000	115,000	115,000	115,000	115,000	115,000	115,000
343420	Water Sales-Conn/Inspect Fees	No Escalation	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
343458	Backflow Testing Revenue	No Escalation	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
343200	Engineering Fees	No Escalation	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
362500	Facilities Rental-Long Term	No Escalation	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500
369840	Inventory Markup	No Escalation	-	-	-	-	-	-	-	-	-
361110	Investment Income	*Calculated*	40,000	35,720	20,668	9,674	4,137	4,137	4,137	4,137	4,137
397000	Operating Transfer In	No Escalation	8,750	8,750	8,750	8,750	8,750	8,750	8,750	8,750	8,750
341810	Plans/Specs/Copies/Printing	General Cost Inflation	-	-	-	-	-	-	-	-	-
	Ferncliff Rate Surcharges	*Calculated*	19,482	19,482	19,482	19,482	19,482	19,482	19,482	19,482	19,482
	Casey Street Rate Surcharges	*Calculated*	9,168	9,168	9,168	9,168	9,168	9,168	9,168	9,168	9,168
	Total Non Rate Revenue		**$ 225,900**	**$ 221,621**	**$ 206,568**	**$ 195,574**	**$ 190,037**	**$ 190,037**	**$ 190,037**	**$ 190,037**	**$ 190,037**
TOTAL REVENUES			**$ 1,555,304**	**$ 1,573,198**	**$ 1,580,805**	**$ 1,592,968**	**$ 1,611,095**	**$ 1,635,279**	**$ 1,659,994**	**$ 1,685,252**	**$ 1,711,066**

City of Bainbridge Island
Water Rate and SPF Model
Operating Revenue and Expenditure Forecast

			Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast
Expenses		**FORECAST BASIS**	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**
	State Excise Taxes	*Calculated*	$ 71,219	$ 72,348	$ 73,515	$ 74,708	$ 75,928	$ 77,174	$ 78,447	$ 79,748	$ 81,078
	City Taxes	*Calculated*	117,544	119,103	120,103	121,388	123,044	125,076	127,153	129,276	131,446
	Budget Expenses			$ -							
443410	Training	Labor Cost Inflation	$ 7,328	$ 7,841	$ 8,311	$ 8,664	$ 9,033	$ 9,417	$ 9,817	$ 10,234	$ 10,669
510000	Salary	Labor Cost Inflation	527,514	564,439	598,306	623,734	650,243	677,878	706,688	736,722	768,033
511000	Salary - Overtime	Labor Cost Inflation	28,435	30,426	32,251	33,622	35,051	36,540	38,093	39,712	41,400
515000	Salary - Temporary Employees	No Escalation	14,340	14,340	14,340	14,340	14,340	14,340	14,340	14,340	14,340
519000	Staff Separation Buyouts	No Escalation	-	-	-	-	-	-	-	-	-
520000	Benefits	Benefit Cost Inflation	236,324	252,866	262,981	273,500	284,440	295,818	307,651	319,957	332,755
531100	Supplies	General Cost Inflation	93,627	100,181	102,185	104,228	106,313	108,439	110,608	112,820	115,076
532000	Fuel Consumed	General Cost Inflation	1,710	1,829	1,866	1,903	1,941	1,980	2,020	2,060	2,101
535100	Computer Software	General Cost Inflation	546	585	596	608	620	633	646	658	672
539100	Non-Travel Food/Beverages	General Cost Inflation	268	287	293	299	305	311	317	324	330
541100	Professional Services	General Cost Inflation	125,000	133,750	136,425	139,154	141,937	144,775	147,671	150,624	153,637
542100	Telephone/Fax	General Cost Inflation	20,548	21,987	22,427	22,875	23,333	23,799	24,275	24,761	25,256
542440	Community Information Ads	General Cost Inflation	-	-	-	-	-	-	-	-	-
542450	Community Outreach/Participation	No Escalation	-	-	-	-	-	-	-	-	-
542500	Postage	No Escalation	3,549	3,549	3,549	3,549	3,549	3,549	3,549	3,549	3,549
543100	Travel Expense	No Escalation	1	1	1	1	1	1	1	1	1
544000	Advertising	General Cost Inflation	55	59	60	61	63	64	65	66	68
545000	Rents & Leases - Operating	General Cost Inflation	963	1,030	1,051	1,072	1,093	1,115	1,137	1,160	1,183
545500	Rents - Interfund	General Cost Inflation	49,392	52,850	53,906	54,985	56,084	57,206	58,350	59,517	60,707
546000	Insurance	General Cost Inflation	30,447	32,579	33,230	33,895	34,573	35,264	35,970	36,689	37,423
547100	Utilities - Electric	General Cost Inflation	132,429	141,699	144,533	147,424	150,372	153,380	156,447	159,576	162,768
547400	Utilities - SSWM Fees	General Cost Inflation	441	471	481	491	500	510	521	531	542
547500	Utilities - BI Water/Sewer	General Cost Inflation	146	156	159	162	166	169	172	176	179
548100	Repairs	General Cost Inflation	25,000	30,000	30,600	31,212	31,836	32,473	33,122	33,785	34,461
548500	Computer Support Maintenance	General Cost Inflation	660	706	721	735	750	765	780	796	811
549100	Dues, Subscriptions & Memberships	General Cost Inflation	6,367	6,812	6,949	7,088	7,229	7,374	7,522	7,672	7,825
549800	Permits - COBI or Outside Agency	General Cost Inflation	6,991	7,480	7,630	7,782	7,938	8,097	8,259	8,424	8,592
551000	Intergovernmental Prof Svcs	No Escalation	-	-	-	-	-	-	-	-	-
549900	Service-Other Misc	No Escalation									
	Additional FTEs										
	Admin III Salary (1FTE Water Share)	Labor Cost Inflation	33,128	35,447	37,574	39,171	40,835	42,571	44,380	46,266	48,233
	Admin III Benefits (1FTE Water Share)	Benefit Cost Inflation	13,251	14,179	14,746	15,336	15,949	16,587	17,251	17,941	18,658
	Utilities GIS Analyst Salary (1 FTE Wat	Labor Cost Inflation	40,084	42,890	45,463	47,395	49,410	51,510	53,699	55,981	58,360
	Utilities GIS Analyst Benefits (1 FTE W	Benefit Cost Inflation	16,034	17,156	17,842	18,556	19,298	20,070	20,873	21,708	22,576
	Maint Tech II Salary (2FTEs)	Labor Cost Inflation	66,256	70,894	75,148	78,341	81,671	85,142	88,760	92,533	96,465
	Maint Tech II Benefits (2FTEs)	Benefit Cost Inflation	26,502	28,358	29,492	30,672	31,898	33,174	34,501	35,881	37,317
Total Cash O&M Expenditures			**$ 1,696,099**	**$ 1,806,298**	**$ 1,876,733**	**$ 1,936,951**	**$ 1,999,742**	**$ 2,065,200**	**$ 2,133,083**	**$ 2,203,487**	**$ 2,276,511**

City of Bainbridge Island
Water Rate and SPF Model
Existing Debt Input

Existing Debt Service - Revenue Bonds	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
TOTAL REVENUE BONDS										
Annual Interest Payment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Annual Principal Payment	-	-	-	-	-	-	-	-	-	-
Total Annual Payment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Use of Debt reserve for Debt Service	-	-	-	-	-	-	-	-	-	-
Annual Debt Reserve Target on Existing Revenue Bor	-	-	-	-	-	-	-	-	-	-

Existing Debt Service - PWTF Loans	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
TOTAL PWTF LOANS										
Annual Interest Payment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Annual Principal Payment	-	-	-	-	-	-	-	-	-	-
Total Annual Payment	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Existing Debt Service - Other Loans	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
DWSRF Loan DWL27100										
Annual Interest Payment	$ -	$ 4,950	$ 4,950	$ 4,735	$ 4,520	$ 4,305	$ 4,090	$ 3,874	$ 3,659	$ 3,444
Annual Principal Payment	-	-	17,219	17,219	17,219	17,219	17,219	17,219	17,219	17,219
Total Annual Payment	$ -	$ 4,950	$ 22,170	$ 21,954	$ 21,739	$ 21,524	$ 21,309	$ 21,093	$ 20,878	$ 20,663
WWTR Loan PC22-96103-061										
Annual Interest Payment	$ -	$ 42,300	$ 42,300	$ 39,950	$ 37,600	$ 35,250	$ 32,900	$ 30,550	$ 28,200	$ 25,850
Annual Principal Payment	-	-	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000
Total Annual Payment	$ -	$ 42,300	$ 292,300	$ 289,950	$ 287,600	$ 285,250	$ 282,900	$ 280,550	$ 278,200	$ 275,850
DWSRF Loan DWL27105										
Annual Interest Payment	$ -	$ 119,548	$ 119,548	$ 113,256	$ 106,964	$ 100,672	$ 94,380	$ 88,088	$ 81,796	$ 75,504
Annual Principal Payment	-	-	359,542	359,542	359,542	359,542	359,542	359,542	359,542	359,542
Total Annual Payment	$ -	$ 119,548	$ 479,090	$ 472,798	$ 466,506	$ 460,214	$ 453,922	$ 447,630	$ 441,338	$ 435,046
New PWTF Loan ($9.5 million @ 2.25%)										
Annual Interest Payment	$ -	$ 213,750	$ 213,750	$ 201,875	$ 190,000	$ 178,125	$ 166,250	$ 154,375	$ 142,500	$ 130,625
Annual Principal Payment	-	-	527,778	527,778	527,778	527,778	527,778	527,778	527,778	527,778
Total Annual Payment	$ -	$ 213,750	$ 741,528	$ 729,653	$ 717,778	$ 705,903	$ 694,028	$ 682,153	$ 670,278	$ 658,403
GO Bond										
Annual Interest Payment	$ -	$ -	$ 114,213	$ 108,503	$ 102,792	$ 97,081	$ 91,371	$ 85,660	$ 79,949	$ 74,239
Annual Principal Payment	-	-	126,904	126,904	126,904	126,904	126,904	126,904	126,904	126,904
Total Annual Payment	$ -	$ -	$ 241,117	$ 235,406	$ 229,695	$ 223,985	$ 218,274	$ 212,563	$ 206,853	$ 201,142
TOTAL OTHER LOANS										
Annual Interest Payment	$ -	$ 380,548	$ 494,761	$ 468,319	$ 441,876	$ 415,433	$ 388,990	$ 362,547	$ 336,104	$ 309,661
Annual Principal Payment	-	-	1,281,443	1,281,443	1,281,443	1,281,443	1,281,443	1,281,443	1,281,443	1,281,443
Total Annual Payment	$ -	$ 380,548	$ 1,776,204	$ 1,749,761	$ 1,723,318	$ 1,696,875	$ 1,670,433	$ 1,643,990	$ 1,617,547	$ 1,591,104

Total Existing Debt Service	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
TOTAL WATER LOANS										
Total Annual Interest Payment	$ -	$ 380,548	$ 494,761	$ 468,319	$ 441,876	$ 415,433	$ 388,990	$ 362,547	$ 336,104	$ 309,661
Total Principal Payment	-	-	1,281,443	1,281,443	1,281,443	1,281,443	1,281,443	1,281,443	1,281,443	1,281,443
Total Annual Payment	$ -	$ 380,548	$ 1,776,204	$ 1,749,761	$ 1,723,318	$ 1,696,875	$ 1,670,433	$ 1,643,990	$ 1,617,547	$ 1,591,104

City of Bainbridge Island
Water Rate and SPF Model
Capital Improvement Program

Capital Realization Factor	100%

No	Function	Description	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Useful Life (Years)	% Utility Funded
1	Storage	Winslow Water Tank Replacement	$ 80,000	$ 850,000	$ 10,267,000	$ 10,467,000							50	100%
2	General	Emergency Generator		70,000	155,000								50	100%
3	Supply & Treatment	Water Treatment Improvements					415,000	1,015,000					50	100%
4	Transmission & Distribution	Winslow Way West				75,000	300,000						50	100%
5	Transmission & Distribution	Fire Flow and Pipeline Improvements		169,000	431,000								50	100%
6	Transmission & Distribution	Ferncliff Main Extension	60,000	1,450,000									50	36%
7	Supply & Treatment	Booster Pump Upgrade		168,000									50	100%
8	Supply & Treatment	Winslow Supply Well			208,000		17,000	840,000					50	100%
9	Supply & Treatment	Sands Avenue Well Rehabilitation		375,000									50	100%
10	Supply & Treatment	Fletcher Bay Well Rehabilitation		212,000									50	100%
11	Supply & Treatment	Head of the Bay Well Rehabilitation			312,000								50	100%
12	Supply & Treatment	Taylor Well	225,000										50	100%
13		Long-Term Replacement Projects							249,198	336,508	421,303	503,689	50	100%
		Total Capital Projects	**$ 365,000**	**$ 3,294,000**	**$ 11,373,000**	**$ 10,542,000**	**$ 732,000**	**$ 1,855,000**	**$ 249,198**	**$ 336,508**	**$ 421,303**	**$ 503,689**		
		Total Upgrade/Expansion Projects	60,000	1,688,500	578,500	37,500	167,000	840,000	-	-	-	-		
		Total R&R Projects	305,000	1,605,500	10,794,500	10,504,500	565,000	1,015,000	249,198	336,508	421,303	503,689		
		Projects by Grants / Developer Donations	38,146	921,854	-	-	-	-	-	-	-	-		
		Projects by Enterprise Fund	326,854	2,372,146	11,373,000	10,542,000	732,000	1,855,000	249,198	336,508	421,303	503,689		

City of Bainbridge Island
Water Rate and SPF Model
Capital Improvement Program

No	Function	Description	TOTAL ESCALATED COSTS	TOTAL FORECASTED PROJECT COSTS 2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
1	Storage	Winslow Water Tank Replacement	21,664,000	80,000	850,000	10,267,000	10,467,000	-	-	-	-	-	-
2	General	Emergency Generator	225,000	-	70,000	155,000	-	-	-	-	-	-	-
3	Supply & Treatment	Water Treatment Improvements	1,430,000	-	-	-	-	415,000	1,015,000	-	-	-	-
4	Transmission & Distribution	Winslow Way West	375,000	-	-	-	75,000	300,000	-	-	-	-	-
5	Transmission & Distribution	Fire Flow and Pipeline Improvements	600,000	-	169,000	431,000	-	-	-	-	-	-	-
6	Transmission & Distribution	Ferncliff Main Extension	1,510,000	60,000	1,450,000	-	-	-	-	-	-	-	-
7	Supply & Treatment	Booster Pump Upgrade	168,000	-	168,000	-	-	-	-	-	-	-	-
8	Supply & Treatment	Winslow Supply Well	1,065,000	-	-	208,000	-	17,000	840,000	-	-	-	-
9	Supply & Treatment	Sands Avenue Well Rehabilitation	375,000	-	375,000	-	-	-	-	-	-	-	-
10	Supply & Treatment	Fletcher Bay Well Rehabilitation	212,000	-	212,000	-	-	-	-	-	-	-	-
11	Supply & Treatment	Head of the Bay Well Rehabilitation	312,000	-	-	312,000	-	-	-	-	-	-	-
12	Supply & Treatment	Taylor Well	225,000	225,000	-	-	-	-	-	-	-	-	-
13		Long-Term Replacement Projects	12,088,612	-	-	-	-	-	-	249,198	346,604	446,961	550,395
		Total Capital Projects	**$ 40,249,612**	**$ 365,000**	**$ 3,294,000**	**$ 11,373,000**	**$ 10,542,000**	**$ 732,000**	**$ 1,855,000**	**$ 249,198**	**$ 346,604**	**$ 446,961**	**$ 550,395**
		Total Upgrade/Expansion Projects	3,371,500	60,000	1,688,500	578,500	37,500	167,000	840,000	-	-	-	-
		Total R&R Projects	36,878,112	305,000	1,605,500	10,794,500	10,504,500	565,000	1,015,000	249,198	346,604	446,961	550,395
		Projects by Grants / Developer Donations	-	-	-	-	-	-	-	-	-	-	-
		Projects by Enterprise Fund	38,739,612	365,000	3,294,000	11,373,000	10,542,000	732,000	1,855,000	249,198	346,604	446,961	550,395

City of Bainbridge Island
Water Rate and SPF Model
Capital Improvement Program

No	Function	Description	NEW ANNUAL DEPRECIATION EXPENSE 2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
1	Storage	Winslow Water Tank Replacement	1,600	17,000	205,340	209,340	-	-	-	-	-	-
2	General	Emergency Generator	-	1,400	3,100	-	-	-	-	-	-	-
3	Supply & Treatment	Water Treatment Improvements	-	-	-	-	8,300	20,300	-	-	-	-
4	Transmission & Distribution	Winslow Way West	-	-	-	1,500	6,000	-	-	-	-	-
5	Transmission & Distribution	Fire Flow and Pipeline Improvements	-	3,380	8,620	-	-	-	-	-	-	-
6	Transmission & Distribution	Ferncliff Main Extension	1,200	29,000	-	-	-	-	-	-	-	-
7	Supply & Treatment	Booster Pump Upgrade	-	3,360	-	-	-	-	-	-	-	-
8	Supply & Treatment	Winslow Supply Well	-	-	4,160	-	340	16,800	-	-	-	-
9	Supply & Treatment	Sands Avenue Well Rehabilitation	-	7,500	-	-	-	-	-	-	-	-
10	Supply & Treatment	Fletcher Bay Well Rehabilitation	-	4,240	-	-	-	-	-	-	-	-
11	Supply & Treatment	Head of the Bay Well Rehabilitation	-	-	6,240	-	-	-	-	-	-	-
12	Supply & Treatment	Taylor Well	4,500	-	-	-	-	-	-	-	-	-
13		Long-Term Replacement Projects	-	-	-	-	-	-	4,984	6,932	8,939	11,008
		Total Capital Projects	**$ 7,300**	**$ 65,880**	**$ 227,460**	**$ 210,840**	**$ 14,640**	**$ 37,100**	**$ 4,984**	**$ 6,932**	**$ 8,939**	**$ 11,008**
		Total Upgrade/Expansion Projects										
		Total R&R Projects										
		Projects by Grants / Developer Donations										
		Projects by Enterprise Fund										

City of Bainbridge Island
Water Rate and SPF Model
Capital Improvement Program

No	Function	Description	PROVISION FOR RETIREMENT OF ASSETS 2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
1	Storage	Winslow Water Tank Replacement	-	-	-	950,057	-	-	-	-	-	-	950,057
2	General	Emergency Generator	-	-	-	-	-	-	-	-	-	-	-
3	Supply & Treatment	Water Treatment Improvements	-	-	-	-	66,976	169,944	-	-	-	-	236,920
4	Transmission & Distribution	Winslow Way West	-	-	-	5,766	24,208	-	-	-	-	-	29,974
5	Transmission & Distribution	Fire Flow and Pipeline Improvements	-	11,904	31,293	-	-	-	-	-	-	-	43,198
6	Transmission & Distribution	Ferncliff Main Extension	-	-	-	-	-	-	-	-	-	-	-
7	Supply & Treatment	Booster Pump Upgrade	-	11,834	-	-	-	-	-	-	-	-	11,834
8	Supply & Treatment	Winslow Supply Well	-	-	-	-	-	-	-	-	-	-	-
9	Supply & Treatment	Sands Avenue Well Rehabilitation	-	52,830	-	-	-	-	-	-	-	-	52,830
10	Supply & Treatment	Fletcher Bay Well Rehabilitation	-	29,867	-	-	-	-	-	-	-	-	29,867
11	Supply & Treatment	Head of the Bay Well Rehabilitation	-	-	45,306	-	-	-	-	-	-	-	45,306
12	Supply & Treatment	Taylor Well	30,324	-	-	-	-	-	-	-	-	-	30,324
13		Long-Term Replacement Projects											-
		Total Capital Projects	**$ 30,324**	**$ 106,435**	**$ 76,600**	**$ 955,823**	**$ 91,185**	**$ 169,944**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,430,311**
		Total Upgrade/Expansion Projects											
		Total R&R Projects											
		Projects by Grants / Developer Donations											
		Projects by Enterprise Fund											

City of Bainbridge Island
Water Rate and SPF Model
Capital Funding Analysis

Summary of Expenditures	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2022 - 2042 TOTAL
CAPITAL PROJECTS											
Improvement Upgrades & Expansions	$ 60,000	$ 1,688,500	$ 578,500	$ 37,500	$ 167,000	$ 840,000	$ -	$ -	$ -	$ -	$ 3,371,500
Repairs and Replacements	305,000	1,605,500	10,794,500	10,504,500	565,000	1,015,000	249,198	346,604	446,961	550,395	36,878,112
TOTAL CAPITAL EXPENDITURES	**$ 365,000**	**$ 3,294,000**	**$ 11,373,000**	**$ 10,542,000**	**$ 732,000**	**$ 1,855,000**	**$ 249,198**	**$ 346,604**	**$ 446,961**	**$ 550,395**	**$ 40,249,612**

Capital Financing Plan	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	TOTAL
Additional Proceeds (Costs)	$ -	$ 1,642,079	$ 12,767,000	$ 9,714,302	$ -	$ -	$ -	$ -	$ -	$ -	$ 24,123,381
Project Specific CIAC	-	-	-	-	-	-	-	-	-	-	-
Project to be Funded	**$ 365,000**	**$ 1,651,921**	**$ -**	**$ 827,698**	**$ 732,000**	**$ 1,855,000**	**$ 249,198**	**$ 346,604**	**$ 446,961**	**$ 550,395**	$ 17,520,231
OTHER FUNDING SOURCES											
Other Sources	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Rate-Funded System Reinvestment	-	-	-	-	-	154,623	249,198	346,604	446,961	550,395	12,243,235
PWTF Loans	-	-	-	-	-	-	-	-	-	-	-
Other Loans	-	-	-	-	-	-	-	-	-	-	-
Revenue Bond Proceeds	-	-	-	-	-	-	-	-	-	-	-
TOTAL CAPITAL RESOURCES	**$ -**	**$ 1,642,079**	**$ 12,767,000**	**$ 9,714,302**	**$ -**	**$ 154,623**	**$ 249,198**	**$ 346,604**	**$ 446,961**	**$ 550,395**	**$ 36,366,616**
Info: Working Capital Contingency Deficit	-	-	-	-	-	-	-	-	-	-	-

New Debt Computations	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	TOTAL
REVENUE BONDS											
Amount to Fund	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Issuance Costs	-	-	-	-	-	-	-	-	-	-	-
Reserve Required	-	-	-	-	-	-	-	-	-	-	-
Amount of Debt Issue	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
PWTF LOANS											
Amount to Fund	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
OTHER LOANS											
Amount to Fund	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Issuance Costs	-	-	-	-	-	-	-	-	-	-	-
Amount of Debt Issue	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Debt Service Summary	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	TOTAL
EXISTING DEBT SERVICE											
Annual Interest Payments	$ -	$ 380,548	$ 494,761	$ 468,319	$ 441,876	$ 415,433	$ 388,990	$ 362,547	$ 336,104	$ 309,661	$ 5,259,283
Annual Principal Payments	-	-	1,281,443	1,281,443	1,281,443	1,281,443	1,281,443	1,281,443	1,281,443	1,281,443	23,569,633
Total Debt Service Payments	$ -	$ 380,548	$ 1,776,204	$ 1,749,761	$ 1,723,318	$ 1,696,875	$ 1,670,433	$ 1,643,990	$ 1,617,547	$ 1,591,104	$ 28,828,915
Revenue Bond Payments Only	-	-	-	-	-	-	-	-	-	-	-
NEW DEBT SERVICE											
Annual Interest Payments	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Annual Principal Payments	-	-	-	-	-	-	-	-	-	-	-
Total Debt Service Payments	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Revenue Bond Payments Only	-	-	-	-	-	-	-	-	-	-	-
TOTAL DEBT SERVICE PAYMENTS	**$ -**	**$ 380,548**	**$ 1,776,204**	**$ 1,749,761**	**$ 1,723,318**	**$ 1,696,875**	**$ 1,670,433**	**$ 1,643,990**	**$ 1,617,547**	**$ 1,591,104**	**$ 28,828,915**
Total Interest Payments	-	380,548	494,761	468,319	441,876	415,433	388,990	362,547	336,104	309,661	5,259,283
Total Principal Payments	-	-	1,281,443	1,281,443	1,281,443	1,281,443	1,281,443	1,281,443	1,281,443	1,281,443	23,569,633
Total Revenue Bond Payments Only	-	-	-	-	-	-	-	-	-	-	-

City of Bainbridge Island
Water Rate and SPF Model
Revenue Requirements Analysis

Test 1: Cash Flow Sufficiency Test	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
EXPENSES										
Cash Operating Expenses	$ 1,635,568	$ 1,696,099	$ 1,806,298	$ 1,876,733	$ 1,936,951	$ 1,999,742	$ 2,065,200	$ 2,133,083	$ 2,203,487	$ 2,276,511
Existing Debt Service	-	380,548	1,776,204	1,749,761	1,723,318	1,696,875	1,670,433	1,643,990	1,617,547	1,591,104
New Debt Service	-	-	-	-	-	-	-	-	-	-
Rate Funded System Reinvestment	-	-	-	-	-	154,623	249,198	346,604	446,961	550,395
Additions to Meet Minimum Reserve	-	-	-	-	-	-	-	-	-	-
Total Expenses	$ 1,635,568	$ 2,076,647	$ 3,582,502	$ 3,626,494	$ 3,660,269	$ 3,851,241	$ 3,984,830	$ 4,123,677	$ 4,267,995	$ 4,418,009
REVENUES										
Rate Revenue	$ 1,159,606	$ 1,329,404	$ 1,351,577	$ 1,374,237	$ 1,397,393	$ 1,421,058	$ 1,445,242	$ 1,469,957	$ 1,495,215	$ 1,521,029
Other Non Rate Revenue	170,638	185,900	185,900	185,900	185,900	185,900	185,900	185,900	185,900	185,900
System Participation Fee Revenue Towards Debt	-	-	-	-	-	-	-	-	-	-
Operating Fund & Debt Reserve Fund Interest Earnings	28,074	40,000	35,720	20,668	9,674	4,137	4,137	4,137	4,137	4,137
Total Revenue	$ 1,358,318	$ 1,555,304	$ 1,573,198	$ 1,580,805	$ 1,592,968	$ 1,611,095	$ 1,635,279	$ 1,659,994	$ 1,685,252	$ 1,711,066
NET CASH FLOW (DEFICIENCY)	**$ (277,250)**	**$ (521,343)**	**$ (2,009,304)**	**$ (2,045,689)**	**$ (2,067,302)**	**$ (2,240,146)**	**$ (2,349,551)**	**$ (2,463,682)**	**$ (2,582,742)**	**$ (2,706,943)**
% of Rate Revenue	23.91%	39.22%	148.66%	148.86%	147.94%	157.64%	162.57%	167.60%	172.73%	177.97%

Test 2: Coverage Sufficiency Test	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
EXPENSES										
Cash Operating Expenses (Less City Taxes & Capital Outlays)	$ 1,519,629	$ 1,578,555	$ 1,687,195	$ 1,756,630	$ 1,815,563	$ 1,876,698	$ 1,940,124	$ 2,005,930	$ 2,074,211	$ 2,145,065
Revenue Bond Debt Service	-	-	-	-	-	-	-	-	-	-
Revenue Bond Coverage Requirement at 1.25	-	-	-	-	-	-	-	-	-	-
Total Expenses	$ 1,519,629	$ 1,578,555	$ 1,687,195	$ 1,756,630	$ 1,815,563	$ 1,876,698	$ 1,940,124	$ 2,005,930	$ 2,074,211	$ 2,145,065
ALLOWABLE REVENUES										
Rate Revenue	$ 1,159,606	$ 1,329,404	$ 1,351,577	$ 1,374,237	$ 1,397,393	$ 1,421,058	$ 1,445,242	$ 1,469,957	$ 1,495,215	$ 1,521,029
Other Revenue	170,638	185,900	185,900	185,900	185,900	185,900	185,900	185,900	185,900	185,900
Interest Earnings - All Funds	80,692	57,470	40,883	43,941	29,112	20,751	8,310	12,845	17,524	22,351
Total Revenue	$ 1,410,936	$ 1,572,774	$ 1,578,361	$ 1,604,078	$ 1,612,406	$ 1,627,709	$ 1,639,452	$ 1,668,702	$ 1,698,640	$ 1,729,281
Coverage Realized (Existing Rates)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
COVERAGE SURPLUS (DEFICIENCY)	**$ (108,693)**	**$ (5,781)**	**$ (108,834)**	**$ (152,552)**	**$ (203,157)**	**$ (248,989)**	**$ (300,672)**	**$ (337,228)**	**$ (375,572)**	**$ (415,784)**

Maximum Revenue Deficiency	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Sufficiency Test Driving the Deficiency	*Cash*	*Cash*	*Cash*	*Cash*	*Cash*	*Cash*	*Cash*	*Cash*	*Cash*	*Cash*
Maximum Revenue Deficiency (Surplus)	$ 277,250	$ 521,343	$ 2,009,304	$ 2,045,689	$ 2,067,302	$ 2,240,146	$ 2,349,551	$ 2,463,682	$ 2,582,742	$ 2,706,943
plus: Additional (Reduction)Taxes	34,368	64,627	249,077	253,587	256,266	277,692	291,254	305,402	320,161	335,557
less: Net Revenue From Prior Rate Adjustments	-	-	(182,911)	(576,031)	(1,081,520)	(1,730,059)	(2,560,687)	(2,685,966)	(2,816,666)	(2,953,020)
Net Revenue Deficiency (Surplus)	$ 311,619	$ 585,970	$ 2,075,470	$ 1,723,245	$ 1,242,048	$ 787,779	$ 80,119	$ 83,118	$ 86,238	$ 89,481
Required Adjustment (Full Year)	*26.87%*	*44.08%*	*135.25%*	*88.36%*	*50.10%*	*25.00%*	*2.00%*	*2.00%*	*2.00%*	*2.00%*

City of Bainbridge Island
Water Rate and SPF Model
Revenue Requirements Analysis

Rate Increases	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Rate Revenue with no Increase	$ 1,159,606	$ 1,329,404	$ 1,351,577	$ 1,374,237	$ 1,397,393	$ 1,421,058	$ 1,445,242	$ 1,469,957	$ 1,495,215	$ 1,521,029
Revenues from Prior Rate Increases	-	-	182,911	576,031	1,081,520	1,730,059	2,560,687	2,685,966	2,816,666	2,953,020
Rate Revenue Before Rate Increase (Incl. previous increases)	1,159,606	1,329,404	1,534,488	1,950,268	2,478,914	3,151,117	4,005,929	4,155,923	4,311,881	4,474,049
Required Annual Rate Increase (Full Year)	26.87%	44.08%	135.25%	88.36%	50.10%	25.00%	2.00%	2.00%	2.00%	2.00%
Number of Months New Rates Will Be In Effect	12	7	12	12	12	12	12	12	12	12
Info: Percentage Increase to Generate Required Revenue	*26.87%*	*75.56%*	*135.25%*	*88.36%*	*50.10%*	*25.00%*	*2.00%*	*2.00%*	*2.00%*	*2.00%*
Policy Induced Rate Increases	0.00%	13.53%	25.00%	25.00%	25.00%	25.00%	2.00%	2.00%	2.00%	2.00%
ANNUAL RATE INCREASE	**0.00%**	**13.53%**	**25.00%**	**25.00%**	**25.00%**	**25.00%**	**2.00%**	**2.00%**	**2.00%**	**2.00%**
CUMULATIVE RATE INCREASE	**0.00%**	**13.53%**	**41.92%**	**77.40%**	**121.74%**	**177.18%**	**182.72%**	**188.38%**	**194.15%**	**200.03%**

Impacts of Rate Increases	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Rate Revenues After Rate Increase	$ 1,159,606	$ 1,434,351	$ 1,918,110	$ 2,437,835	$ 3,098,642	$ 3,938,896	$ 4,086,047	$ 4,239,042	$ 4,398,119	$ 4,563,530
Full Year Rate Revenues After Rate Increase	*1,159,606*	*1,509,314*	*1,918,110*	*2,437,835*	*3,098,642*	*3,938,896*	*4,086,047*	*4,239,042*	*4,398,119*	*4,563,530*
Partial Year Adjustment	-	*74,963*	-	-	-	-	-	-	-	-
Additional (Reduction of) Taxes Due to Rate Increases	-	11,575	62,483	117,304	187,631	277,692	291,254	305,402	320,161	335,557
Net Cash Flow After Rate Increase	$ (277,250)	$ (427,970)	$ (1,505,254)	$ (1,099,395)	$ (553,684)	$ -	$ -	$ -	$ -	$ -
Coverage After Rate Increase	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Coverage After Rate Increase (Total Debt)	n/a	0.23	0.22	0.45	0.76	1.17	1.23	1.29	1.36	1.44

New Debt Assumptions	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Revenue Bond Proceeds	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
PWTF Loan Proceeds	-	-	-	-	-	-	-	-	-	-
Other Loan Proceeds	-	-	-	-	-	-	-	-	-	-

Fund Balance Impacts	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Ending Fund Balance - Operating Fund	**$ 2,222,750**	**$ 3,572,030**	**$ 2,066,776**	**$ 967,381**	**$ 413,697**	**$ 413,697**	**$ 413,697**	**$ 413,697**	**$ 413,697**	**$ 413,697**
Minimum Target - Operating Fund	*268,861*	*278,811*	*296,926*	*308,504*	*318,403*	*328,725*	*339,485*	*350,644*	*362,217*	*374,221*
Ending Fund Balance - Capital Fund	**$ 4,590,936**	**$ 516,319**	**$ 2,327,334**	**$ 1,943,817**	**$ 1,661,423**	**$ 417,297**	**$ 870,788**	**$ 1,338,716**	**$ 1,821,446**	**$ 2,319,357**
Minimum Target - Capital Fund	137,131	170,071	283,801	389,221	396,541	415,091	417,583	421,049	425,519	431,023
Combined Unrestricted Balance as Days of O&M	***1,521 Days***	***880 Days***	***888 Days***	***566 Days***	***391 Days***	***152 Days***	***227 Days***	***300 Days***	***370 Days***	***438 Days***
Annual CIP (Inflated)	***$ 365,000***	***$ 3,294,000***	***$ 11,373,000***	***$ 10,542,000***	***$ 732,000***	***$ 1,855,000***	***$ 249,198***	***$ 346,604***	***$ 446,961***	***$ 550,395***

City of Bainbridge Island
Water Rate and SPF Model
Fund Activity

Funds	2023	2024	2025	2026	2027	2028	2029	2030	2031
OPERATING									
Beginning Balance	$ 4,000,000	$ 3,572,030	$ 2,066,776	$ 967,381	$ 413,697	$ 413,697	$ 413,697	$ 413,697	$ 413,697
plus: Net Cash Flow after Rate Increase	(427,970)	(1,505,254)	(1,099,395)	(553,684)	-	-	-	-	-
less: Transfer of Surplus to Capital Fund (If No Manual Entry)	-	-	-	-	-	-	-	-	-
Ending Balance	**$ 3,572,030**	**$ 2,066,776**	**$ 967,381**	**$ 413,697**	**$ 413,697**	**$ 413,697**	**$ 413,697**	**$ 413,697**	**$ 413,697**
Minimum Target Balance: 60 days	*$ 278,811*	*$ 296,926*	*$ 308,504*	*$ 318,403*	*$ 328,725*	*$ 339,485*	*$ 350,644*	*$ 362,217*	*$ 374,221*
Maximum Target Balance: 90 days	*$ 418,216*	*$ 445,388*	*$ 462,756*	*$ 477,604*	*$ 493,087*	*$ 509,227*	*$ 525,966*	*$ 543,326*	*$ 561,331*
Info: No of Days of Cash Operating Expenses	*769*	*419*	*188*	*78*	*76*	*73*	*71*	*69*	*66*
Difference over or (under) target funds	$ 3,293,219	$ 1,769,850	$ 658,877	$ 95,294	$ 84,972	$ 74,212	$ 63,053	$ 51,480	$ 39,476
Manual Entry for Transfer to Capital Fund	-	-	-	-	-				
CAPITAL									
Beginning Balance	$ 1,747,000	$ 516,319	$ 2,327,334	$ 1,943,817	$ 1,661,423	$ 417,297	$ 870,788	$ 1,338,716	$ 1,821,446
plus: Rate Funded System Reinvestment	-	-	-	-	154,623	249,198	346,604	446,961	550,395
plus: Transfers from Operating Fund	-	-	-	-	-	-	-	-	-
plus: Grants/ Donations/ CIAC	-	-	-	-	-	-	-	-	-
plus: Additional Proceeds (Costs)	1,642,079	12,767,000	9,714,302	-	-	-	-	-	-
plus: System Participation Fee Revenue	403,770	411,852	420,908	430,168	439,636	449,319	459,219	469,344	479,696
less: System Participation Fee Revenue Towards Debt	-	-	-	-	-	-	-	-	-
plus: Revenue Bond Proceeds	-	-	-	-	-	-	-	-	-
plus: PWTF Loans Proceeds	-	-	-	-	-	-	-	-	-
plus: Other Loan Proceeds	-	-	-	-	-	-	-	-	-
plus: Interest Earnings	17,470	5,163	23,273	19,438	16,614	4,173	8,708	13,387	18,214
Total Funding Sources	**$ 3,810,319**	**$ 13,700,334**	**$ 12,485,817**	**$ 2,393,423**	**$ 2,272,297**	**$ 1,119,986**	**$ 1,685,319**	**$ 2,268,407**	**$ 2,869,752**
less: Capital Expenditures	(3,294,000)	(11,373,000)	(10,542,000)	(732,000)	(1,855,000)	(249,198)	(346,604)	(446,961)	(550,395)
Ending Capital Fund Balance	**$ 516,319**	**$ 2,327,334**	**$ 1,943,817**	**$ 1,661,423**	**$ 417,297**	**$ 870,788**	**$ 1,338,716**	**$ 1,821,446**	**$ 2,319,357**
Minimum Target Balance	*$ 170,071*	*$ 283,801*	*$ 389,221*	*$ 396,541*	*$ 415,091*	*$ 417,583*	*$ 421,049*	*$ 425,519*	*$ 431,023*
COMBINED BEGINNING FUND BALANCE	***$ 5,747,000***	***$ 4,088,349***	***$ 4,394,110***	***$ 2,911,198***	***$ 2,075,120***	***$ 830,994***	***$ 1,284,485***	***$ 1,752,413***	***$ 2,235,143***
COMBINED ENDING FUND BALANCE	***$ 4,088,349***	***$ 4,394,110***	***$ 2,911,198***	***$ 2,075,120***	***$ 830,994***	***$ 1,284,485***	***$ 1,752,413***	***$ 2,235,143***	***$ 2,733,054***
Info: No of Days of Cash Operating Expenses	880	890	566	391	152	228	300	370	438
DEBT RESERVE									
Beginning Balance	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
plus: Reserve Funding from New Debt	-	-	-	-	-	-	-	-	-
less: Use of Reserves for Debt Service	-	-	-	-	-	-	-	-	-
Ending Balance	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
Minimum Target Balance	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

City of Bainbridge Island
Water Rate and SPF Model
Plant

Contributed Assets as of 2008	$ (1,665,049)
LID Assets	$ (1,925,969)
2009 - 2021 Contributions	$ (1,487,297)

Asset	Plant In Service - Description	Donated	Year	Useful Life	2022 Original Cost	Accumulated Depreciation	Function	Allocated Donated Assets	Net Utility Funded Assets	Applicable Asset Age	Applicable Interest Rate	Allocable Interest Cost
451-171000-000909	SAND WELLS		1988	999 Years	$ 40,000	$ -	Supply & Treatment	(3,076)	$ 36,924	10	7.68%	$ 28,358
451-171000-000910	HOB WELLS		1983	999 Years	57,919	-	Supply & Treatment	(4,454)	53,465	10	9.51%	50,823
451-171000-000911	LOST PROPERTY - HAYS PROPERTY 1		2001	999 Years	145,354	-	General	(11,178)	134,176	10	5.15%	69,134
451-171000-000912	LOST PROPERTY - HAYS PROPERTY 2		2001	999 Years	145,354	-	General	(11,178)	134,176	10	5.15%	69,134
451-171000-000913	LOTS A,B,C, SHORT PLAT 502		2001	999 Years	11,600	-	General	(892)	10,708	10	5.15%	5,517
451-171000-000914	COOPER CREEK WATERSHED, RIDGE LANE		2001	999 Years	73,738	-	General	(5,671)	68,067	10	5.15%	35,072
451-171000-000915	GRAND AVE RESERVOIR		1991	999 Years	-	-	Storage	-	-	10	6.92%	-
451-171000-000916	KNECTEL TANK	Yes	1953	999 Years	206	-	General	(206)	-	10	2.74%	-
451-171000-000917	CASELLA SHORT PLAT- BUILDER DONATED LAND	Yes	2006	999 Years	23,060	-	General	(23,060)	-	10	4.40%	-
451-171000-000918	THE HAMLET - BUILDER DONATED LAND	Yes	2006	999 Years	8,068	-	General	(8,068)	-	10	4.40%	-
451-171000-000919	CASSELLA SHORT PLAT		2007	999 Years	17,100	-	General	(1,315)	15,785	10	4.40%	6,939
451-171000-000920	THE HAMLET		2007	999 Years	5,472	-	General	(421)	5,051	10	4.40%	2,220
451-171000-000921	HARBOR SQUARE		2007	999 Years	82,800	-	General	(6,368)	76,432	10	4.40%	33,598
451-171000-000922	WATER RIGHTS ANALYSIS		2008	999 Years	538	-	Supply & Treatment	(41)	497	10	4.86%	241
451-171000-001025	BRANDT PROPERTY/MADRONE LN ESMNT		2003	999 Years	7,500	-	General	(577)	6,923	10	4.75%	3,287
451-172000-001022	MOBILE OFFICE TRAILER		1992	20 Years	1,419	1,419	General	(109)	1,310	10	6.44%	844
451-172000-001023	STORAGE BUILDING		1992	20 Years	3,683	3,683	General	(283)	3,400	10	6.44%	2,190
451-172000-001024	PW YARD PAVING		2003	25 Years	1,167	887	General	(90)	1,077	10	4.75%	512
451-178100-000923	SAND WELLS & STORAGE TANK #1		1988	67 Years	867,703	442,528	Supply & Treatment	(66,729)	800,974	10	7.68%	615,148
451-178100-000924	SAND RD WELL #2		1991	67 Years	154,702	71,937	Supply & Treatment	(11,897)	142,805	10	6.92%	98,821
451-178100-000925	SANDS RD PUMPHOUSE		1992	20 Years	325,173	325,173	Supply & Treatment	(25,007)	300,166	10	6.44%	193,357
451-178100-000926	ROCKAWAY BCH/TAYLOR AVE WELL		1994	67 Years	872,931	366,631	Supply & Treatment	(67,131)	805,800	10	6.18%	497,984
451-178100-000927	FLETCHER BAY WELL		1994	67 Years	300,000	126,000	Supply & Treatment	(23,071)	276,929	10	6.18%	171,142
451-178100-000928	COMMODORE WELL		1995	67 Years	731,000	296,055	Supply & Treatment	(56,216)	674,784	10	5.95%	401,721
451-178100-000929	TOWN OF WINSLOW WATER SYSTEM		1952	67 Years	100,519	100,519	Supply & Treatment	(7,730)	92,789	10	2.39%	22,153
451-178100-000930	HOB WELL 1 - PUMP UNITS		1953	20 Years	2,200	2,200	Supply & Treatment	(169)	2,031	10	2.74%	555
451-178100-000931	HOB WELL 1 - REDEVELOPED		1973	20 Years	2,350	2,350	Supply & Treatment	(181)	2,169	10	5.19%	1,126
451-178100-000932	HOB WELL 1 - REMODELED PUMP HOUSE		1970	20 Years	2,992	2,992	Supply & Treatment	(230)	2,762	10	6.33%	1,747
451-178100-000933	HOB WELL 1 - WATER PUMPS		1968	20 Years	1,376	1,376	Supply & Treatment	(106)	1,270	10	4.45%	565
451-178100-000934	WELL 1A - CONSTRUCTION		1988	67 Years	13,437	6,853	Supply & Treatment	(1,033)	12,404	10	7.68%	9,526
451-178100-000935	WELL 2 CONSTRUCTION		1971	67 Years	22,500	17,213	Supply & Treatment	(1,730)	20,770	10	5.47%	11,370
451-178100-000936	WELL 2 RECONSTRUCTION		1982	67 Years	27,162	16,297	Supply & Treatment	(2,089)	25,073	10	11.66%	29,234
451-178100-000937	WELL 3 - FROM PUD		1974	67 Years	20,662	14,877	Supply & Treatment	(1,589)	19,073	10	6.17%	11,774
451-178100-000938	WELL 4 CONSTRUCTION		1983	67 Years	15,000	8,775	Supply & Treatment	(1,154)	13,846	10	9.51%	13,162
451-178100-000939	WELL 5 CONSTRUCTION		1983	67 Years	15,000	8,775	Supply & Treatment	(1,154)	13,846	10	9.51%	13,162
451-178100-000940	WELL 5 50HSP PUMP		1983	67 Years	26,545	15,529	Supply & Treatment	(2,041)	24,504	10	9.51%	23,293
451-178100-000941	WELL 6 CONSTRUCTION		1985	67 Years	26,250	14,569	Supply & Treatment	(2,019)	24,231	10	9.10%	22,061
451-178100-000942	WELL 6 40HSP CENTRIFUGAL PUMP		1997	20 Years	4,982	4,982	Supply & Treatment	(383)	4,599	10	5.52%	2,540
451-178100-000943	WELL 6 PUMP REPLACEMENT		1997	20 Years	3,444	3,444	Supply & Treatment	(265)	3,179	10	5.52%	1,756
451-178100-000944	HIGH SCHOOL TANK		1990	67 Years	486,337	233,442	Storage	(37,401)	448,936	10	7.27%	-
451-178100-000945	HIGH SCHOOL TANK CLEANED & PAINTED		1993	10 Years	42,880	42,880	Storage	(3,298)	39,582	10	5.60%	-
451-178100-000946	HIGH SCHOOL TANK IMPROVEMENTS		2000	10 Years	5,646	5,646	Storage	(434)	5,212	10	5.71%	-
451-178100-000947	HIGH SCHOOL TANK IMP PROJECT		1977	67 Years	252,868	170,686	Storage	(19,446)	233,422	10	5.68%	-
451-178100-000948	HIGH SCHOOL TANK '93 CLN & PNT		1993	10 Years	45,014	45,014	Storage	(3,462)	41,552	10	5.60%	-
451-178100-000949	KNECHTEL TANK BUILD 1952		1952	67 Years	-	9,619	Storage	-	-	10	2.39%	-
451-178100-000950	KNECHTEL TANK REBUILD 1979		1979	67 Years	-	54,696	Storage	-	-	10	6.52%	-
451-178100-000951	KNECHTEL TANK CLN & PNT		1993	10 Years	-	19,434	Storage	-	-	10	5.60%	-
451-178100-000952	CHERRY/GRAND TANK		1979	67 Years	-	54,696	Storage	-	-	10	6.52%	-
451-178100-000953	CHERRY/GRAND CLN & PNT & REFURB		1993	10 Years	-	42,017	Storage	-	-	10	5.60%	-
451-178100-000954	CHERRY/GRND POTLATCH LN WTR TIE IN		1995	67 Years	-	4,045	Storage	-	-	10	5.95%	-
451-178100-000955	LOW ZONE RESERVOIR TANK DESIGN		2002	67 Years	-	1,061	Storage	-	-	10	5.04%	-
451-178100-000956	HIGH SCHOOL RD WTR TRANSMISSION		1997	67 Years	92,308	34,616	Transmission & Distribution	(7,099)	85,209	10	5.52%	47,057
451-178100-000957	WTR TRNS WVR RD/WYATT MAIN EXT		1997	67 Years	23,471	8,802	Transmission & Distribution	(1,805)	21,666	10	5.52%	11,965
451-178100-000958	WTR TRNS MADISON/SPORTSMAN		1997	67 Years	148,216	55,581	Transmission & Distribution	(11,398)	136,818	10	5.52%	75,558
451-178100-000959	WTR TRNS SHEPARD WAY		1997	67 Years	5,682	2,131	Transmission & Distribution	(437)	5,245	10	5.52%	2,896
451-178100-000960	NAVY HOUSING WTR MAIN		1998	67 Years	173,836	62,581	Transmission & Distribution	(13,368)	160,467	10	5.09%	81,691
451-178100-000961	NEW BROOKLYN WTR MAIN		1993	67 Years	89,665	39,004	Transmission & Distribution	(6,895)	82,770	10	5.60%	46,330
451-178100-000962	WINSLOW MANOR WTRLINE		1992	67 Years	20,188	9,085	Transmission & Distribution	(1,553)	18,635	10	6.44%	12,004
451-178100-000963	FLUORIDATION/CHLORINATION SYSTEM		1997	20 Years	103,200	103,200	Supply & Treatment	(7,936)	95,264	10	5.52%	52,609
451-178100-000964	LOVELL AVE WTRMN REPLAC. & PRV		1994	67 Years	137,533	57,764	Transmission & Distribution	(10,577)	126,956	10	6.18%	78,459
451-178100-000965	WTR TRNS SANDS TO NEW BROOKLYN		1993	67 Years	802,000	348,870	Transmission & Distribution	(61,676)	740,324	10	5.60%	414,397
451-178100-000966	SANDS RD FIRE HYDRANT		1996	67 Years	54,862	21,396	Hydrants	(4,219)	50,643	10	5.76%	29,158
451-178100-000967	LID 16 VALLEY VUE WTRL	Yes	1993	67 Years	58,111	25,278	Transmission & Distribution	(58,111)	-	10	5.60%	-
451-178100-000968	LID 13 HIGH SCHOOL RD	Yes	1995	67 Years	317,465	128,573	Transmission & Distribution	(317,465)	-	10	5.95%	-
451-178100-000969	LID 14 YEOMALT WTRLINE	Yes	1991	67 Years	150,724	70,087	Transmission & Distribution	(150,724)	-	10	6.92%	-
451-178100-000970	LID 15 ALDER AVE IMPR	Yes	1995	67 Years	83,470	33,805	Transmission & Distribution	(83,470)	-	10	5.95%	-
451-178100-000971	LID 19 COMMODORE LN WT	Yes	1999	67 Years	190,819	65,832	Transmission & Distribution	(190,819)	-	10	5.43%	-
451-178100-000972	LID 17 ROCKAWAY BCH WT	Yes	1995	67 Years	1,125,380	455,779	Transmission & Distribution	(1,125,380)	-	10	5.95%	-
451-178100-000973	LOWER MADISON BRIEN BJUNE		1999	67 Years	72,389	24,974	Transmission & Distribution	(5,567)	66,822	10	5.43%	36,268

City of Bainbridge Island
Water Rate and SPF Model
Plant

Contributed Assets as of 2008	$ (1,665,049)
LID Assets	$ (1,925,969)
2009 - 2021 Contributions	$ (1,487,297)

Asset	Plant In Service - Description	Donated	Year	Useful Life	2022 Original Cost	Accumulated Depreciation	Function	Allocated Donated Assets	Net Utility Funded Assets	Applicable Asset Age	Applicable Interest Rate	Allocable Interest Cost
451-178100-000974	FERNCLIFF AVE RECONSTRUCTION		2002	67 Years	24,552	7,366	Transmission & Distribution	(1,888)	22,664	10	5.04%	11,417
451-178100-000975	MADISON AVE WATER LINE		2002	67 Years	19,181	5,754	Transmission & Distribution	(1,475)	17,706	10	5.04%	8,919
451-178100-000976	FLETCHER BAY WATERMAIN EXT		2002	67 Years	20,213	6,064	Transmission & Distribution	(1,554)	18,658	10	5.04%	9,399
451-178100-000977	WELLHEAD PROTECTION ROCKAWAY BCH		2002	67 Years	60,061	18,018	Supply & Treatment	(4,619)	55,442	10	5.04%	27,929
451-178100-000978	WELLHEAD PROTECTION HIGH SCHOOL RD		2002	67 Years	34,607	10,382	Supply & Treatment	(2,661)	31,945	10	5.04%	16,093
451-178100-000979	MISC PAYROLL COSTS CHARGED TO WATER		2002	67 Years	4,859	1,458	General	(374)	4,485	10	5.04%	2,259
451-178100-000980	WATER PIPE TOTAL LINEAR FEET		1990	66 Years	4,975,540	2,423,919	Transmission & Distribution	(382,633)	4,592,907	10	7.27%	3,340,957
451-178100-000981	SECURITY FENCING AT WELL SITES		2003	20 Years	22,245	21,133	Supply & Treatment	(1,711)	20,534	10	4.75%	9,750
451-178100-000982	SUB PUMP FOR TAYLOR WELL		2003	20 Years	8,993	8,544	Pumping	(692)	8,302	10	4.75%	3,942
451-178100-000983	FLETCHER BAY/SANDS WELL UPGRADE		2003	67 Years	18,889	5,383	Supply & Treatment	(1,453)	17,437	10	4.75%	8,280
451-178100-000984	ERICKSEN AVE WATER MAIN		2003	67 Years	231,892	66,089	Transmission & Distribution	(17,833)	214,059	10	4.75%	101,642
451-178100-000985	HIGH SCHOOL RD SEISMIC REFIT/UPGRD		2003	67 Years	22,152	6,313	Storage	(1,704)	20,449	10	4.75%	-
451-178100-000986	WATER PIPE ($ COST OF TOTAL LINEAR FEET)		2004	67 Years	125,973	34,013	Transmission & Distribution	(9,688)	116,285	10	4.68%	54,392
451-178100-000987	SUNDAY COVE FORCEMAIN/WATERLINE EXTENSN		2004	67 Years	34,758	9,385	Transmission & Distribution	(2,673)	32,085	10	4.68%	15,008
451-178100-000988	COOPER CREEK FISH ENHANCEMENT WATER LINE		2004	67 Years	15,163	4,094	Transmission & Distribution	(1,166)	13,997	10	4.68%	6,547
451-178100-000989	WING PT./FAIRVIEW WATER MAIN		2004	67 Years	86,858	23,452	Transmission & Distribution	(6,680)	80,178	10	4.68%	37,503
451-178100-000990	IRENE PL. WATER MAIN		2004	67 Years	44,366	11,979	Transmission & Distribution	(3,412)	40,954	10	4.68%	19,156
451-178100-000991	H.S. ROAD IMPR.		2004	67 Years	90,604	24,463	Transmission & Distribution	(6,968)	83,636	10	4.68%	39,121
451-178100-000992	ERICKSEN AVENUE IMPROVEMENTS		2004	67 Years	158,773	42,869	Transmission & Distribution	(12,210)	146,563	10	4.68%	68,555
451-178100-000993	SANDS AVENUE WELL #1		2005	67 Years	45,828	11,686	Supply & Treatment	(3,524)	42,304	10	4.40%	18,603
451-178100-000994	HEAD OF THE BAY WELL REHAB		2005	67 Years	88,174	22,485	Supply & Treatment	(6,781)	81,394	10	4.40%	35,793
451-178100-000995	MADISON AVE/305 LIGHT INSTALL		2005	67 Years	6,940	1,770	General	(534)	6,406	10	4.40%	2,817
451-178100-000996	CASELLA SHRT PLAT-TAPPING TEE, FIRE HYDR	Yes	2006	67 Years	53,000	12,736	General	(53,000)	-	10	4.40%	-
451-178100-000997	THE HAMLET - GATE VALVE, FIRE HYDRANT	Yes	2006	67 Years	6,800	1,634	General	(6,800)	-	10	4.40%	-
451-178100-001000	HOB SHGS PURCHASE AND INSTALL PR 00268		2007	20 Years	51,771	38,828	Supply & Treatment	(3,981)	47,790	10	4.40%	21,007
451-178100-001001	ALLIANCE PROJECT	Yes	2007	67 Years	37,118	8,352	General	(37,118)	-	10	4.40%	-
451-178100-001002	CASSELLA SHORT PLAT	Yes	2007	67 Years	53,000	11,925	General	(53,000)	-	10	4.40%	-
451-178100-001003	THE HAMLET	Yes	2007	67 Years	6,800	1,530	General	(6,800)	-	10	4.40%	-
451-178100-001004	HARBOR SQUARE	Yes	2007	67 Years	73,853	16,617	General	(73,853)	-	10	4.40%	-
451-178100-001005	MADISON SQUARE N	Yes	2007	67 Years	54,656	12,298	General	(54,656)	-	10	4.40%	-
451-178100-001006	PIERCE CORNER	Yes	2007	67 Years	16,020	3,605	General	(16,020)	-	10	4.40%	-
451-178100-001007	WATER MAINS UPGRADE - ANNUAL		2008	67 Years	1,526	320	Transmission & Distribution	(117)	1,409	10	4.86%	685
451-178100-001008	MADRONE VILLAGE WATER MAIN		2008	67 Years	17,261	3,625	Transmission & Distribution	(1,327)	15,934	10	4.86%	7,745
451-178100-001009	HOB WELL PHASE 2 DESIGN PR 00175		2008	67 Years	58,578	12,301	Supply & Treatment	(4,505)	54,073	10	4.86%	26,284
451-178100-001010	HOB WELL PHASE III PR 00250		2008	67 Years	317,179	66,608	Supply & Treatment	(24,392)	292,787	10	4.86%	142,319
451-178100-001011	WEAVER FACILITY RECONSTRUCTION -PR 00362		2008	67 Years	48,646	10,216	Supply & Treatment	(3,741)	44,905	10	4.86%	21,827
451-178100-001012	FLETCHER BAY WELL REHAB/RECONSTC-PR00115		2008	67 Years	90,666	19,040	Supply & Treatment	(6,972)	83,694	10	4.86%	40,682
451-178100-001013	HIGH SCHOOL WATER TANK SAFETY IMPRV		2009	66 Years	80,238	15,804	Storage	(6,171)	74,068	10	4.62%	-
451-178100-001014	HIGH SCHOOL RESERVOIR - PR 00252		2010	66 Years	94,070	17,104	Storage	(7,234)	86,836	10	4.29%	-
451-178100-001015	TAYLOR AV MEMORIAL/PRITCHARD PARK/NIKKEI		2010	66 Years	76,698	13,945	Transmission & Distribution	(5,898)	70,799	10	4.29%	30,397
451-178100-001016	WW: ERICKSEN TO MADISON		2011	66 Years	1,162,692	193,782	Transmission & Distribution	(89,414)	1,073,278	10	4.51%	484,048
451-178100-001017	WATER TELEMETRY UPGRADE		2011	13 Years	20,805	17,897	General	(1,600)	19,205	10	4.51%	8,661
451-178100-001018	COOPER CREEK WATER MAIN REPAIR		2011	67 Years	111,372	18,534	Transmission & Distribution	(8,565)	102,807	10	4.51%	46,366
451-178100-001019	FLETCHER BAY VFD		2011	67 Years	31,843	5,306	Transmission & Distribution	(2,449)	29,394	10	4.51%	13,257
451-178100-001020	WW PORTION FROM CIP LATE		2011	66 Years	34,545	5,758	General	(2,657)	31,888	10	4.51%	14,382
451-178100-001021	HOB WELL 2 AND 5		2012	66 Years	85,157	12,903	Supply & Treatment	(6,549)	78,609	10	3.73%	29,314
451-178100-001193	WW WATER 2012 CAPITAL EXP		2012	65 Years	27,356	4,209	General	(2,104)	25,252	10	3.73%	9,417
451-178100-001633	MADISON AVE WATER MAIN UPGRADE		2013	66 Years	303,226	41,349	Transmission & Distribution	(23,319)	279,907	9	4.27%	107,589
451-178100-001634	2013 TELEMETRY UPGRADES		2013	10 Years	13,154	11,839	General	(1,012)	12,143	9	4.27%	4,667
451-178100-001635	FLETCHER BAY WELLHOUSE REPAIR		2013	66 Years	12,700	1,732	Supply & Treatment	(977)	11,723	9	4.27%	4,506
451-178100-001646	GROW DEV-WYATT TO GROW WTR EXT		2013	66 Years	20,700	2,823	Transmission & Distribution	(1,592)	19,108	9	4.27%	7,345
451-178100-001647	GROW DEV-WYATT TO MADISON WTR EXT		2013	66 Years	55,800	7,609	Transmission & Distribution	(4,291)	51,509	9	4.27%	19,799
451-178100-001680	HARRISON URGENT CARE WTR MAIN 8""		2014	66 Years	5,460	662	Transmission & Distribution	(420)	5,040	8	4.23%	1,707
451-178100-001730	WING POINT WAY WATER UPGRADE		2016	66 Years	356,153	32,378	Transmission & Distribution	(27,389)	328,764	6	3.25%	64,076
451-178100-001752	TELEMETRY UPGRADE - WATER		2017	10 Years	66,843	33,422	General	(5,140)	61,703	5	3.67%	11,311
451-178100-001758	GROW PH.2 WATER MAIN IMPR. - DEV DONATED	Yes	2017	66 Years	72,986	5,529	Transmission & Distribution	(72,986)	-	5	3.67%	-
451-178100-001768	WINSLOW GROVE WATER SYSTEM - DEV DONATED	Yes	2017	66 Years	112,185	8,499	Transmission & Distribution	(112,185)	-	5	3.67%	-
451-178100-001791	BAINBRIDGE LANDING PRV - CAVE AVE		2018	67 Years	64,888	3,874	Transmission & Distribution	(4,990)	59,898	4	3.96%	9,481
451-178100-001793	CASEY STREET WATER SYSTEM		2018	31 Years	120,000	15,484	General	(9,228)	110,772	4	3.96%	17,534
451-178100-001805	SR 305/OLYMPIC DR, WW - WATER UPGRADE		2019	67 Years	212,712	9,626	Transmission & Distribution	(16,358)	196,354	3	3.42%	20,139
451-178100-001811	STO PED BRIDGE WATER MAIN EXT.-DEV DONAT	Yes	2019	66 Years	207,155	9,416	Transmission & Distribution	(207,155)	-	3	3.42%	-
451-178100-001814	WALLACE/LOGANBERRY WATER EXT-DEV DONATED	Yes	2019	66 Years	54,006	2,455	Transmission & Distribution	(54,006)	-	3	3.42%	-
451-178100-001822	DUANE LN/MADISON WATER EXT-DEV DONATED	Yes	2019	66 Years	56,424	2,565	Transmission & Distribution	(56,424)	-	3	3.42%	-
451-178100-001842	BAINBRIDGE LANDING WATER EXT-DEV DONATED	Yes	2020	66 Years	789,774	23,933	Transmission & Distribution	(789,774)	-	2	2.32%	-
451-178100-001843	MADISON PLACE WATER EXT - DEV DONATED	Yes	2020	66 Years	66,412	2,012	Transmission & Distribution	(66,412)	-	2	2.32%	-
451-178100-001844	MADRONA TOWNHOMES WATER EXT-DEV DONATED	Yes	2020	66 Years	128,355	3,890	Transmission & Distribution	(128,355)	-	2	2.32%	-
451-178100-001863	WYATT WY-MAD TO LOVELL - WATER		2021	66 Years	533,281	8,080	Transmission & Distribution	(41,011)	492,270	1	2.19%	10,766
451-178100-001864	ROCKAWAY INTERTIE - WATER		2021	66 Years	309,700	4,692	Transmission & Distribution	(23,817)	285,883	1	2.19%	6,252
451-181000-000130	GENERATOR-CUMMINS		1997	10 Years	25,065	25,065	General	(1,928)	23,137	10	5.52%	12,778

City of Bainbridge Island
Water Rate and SPF Model
Plant

Contributed Assets as of 2008	$ (1,665,049)
LID Assets	$ (1,925,969)
2009 - 2021 Contributions	$ (1,487,297)

Asset	Plant In Service - Description	Donated	Year	Useful Life	2022 Original Cost	Accumulated Depreciation	Function	Allocated Donated Assets	Net Utility Funded Assets	Applicable Asset Age	Applicable Interest Rate	Allocable Interest Cost
451-181000-000145	GENERATOR-ONAN/CUMMINS		1996	10 Years	15,409	15,409	General	(1,185)	14,224	10	5.76%	8,189
451-181000-000159	LARGE SANDER ATTACHMENT		2008	10 Years	8,374	8,374	General	(644)	7,730	10	4.86%	3,757
451-181000-000230	CHLORINE GENERATOR - SANDS WELL		2001	10 Years	27,585	27,585	Supply & Treatment	(2,121)	25,464	10	5.15%	13,120
451-181000-000236	SANDS WELL FLOWSERVE PUMP		2004	10 Years	8,289	8,289	Supply & Treatment	(637)	7,652	10	4.68%	3,579
451-181000-000237	CHLORINE GENERATOR		2004	10 Years	4,245	4,245	Supply & Treatment	(326)	3,919	10	4.68%	1,833
451-181000-000238	FLETCHER BAY CHLORINE GENERATOR AND KIT		2004	10 Years	8,474	8,474	Supply & Treatment	(652)	7,822	10	4.68%	3,659
451-181000-000239	FLETCHER BAY WELL BOOSTER PUMP		2006	10 Years	12,776	12,776	Supply & Treatment	(983)	11,794	10	4.40%	5,190
451-181000-000240	TRUCK EQUIPMENT - WATER		2008	10 Years	5,135	5,135	General	(395)	4,740	10	4.86%	2,304
	Total	**$ 3,745,847**			**$ 21,072,508**	**$ 7,724,369**		**(5,078,315)**	**15,994,193**			**$ 8,412,517**

	Construction Work In Progress	Donated	Year	Useful Life	Original Cost		Function
00708	Wyatt Way - Mad to Lovell Water				$ 9,774		Transmission & Distribution
00815	Rockaway Intertie				6,860		Transmission & Distribution
00818	SCADA Telementary Upgrade				190,790		Transmission & Distribution
00974	2019 Water/Sewer Van				475		General
00987	Chlorine Gen Upgrades				277,306		Supply & Treatment
00988	New Water Tanks				105,599		Storage
01095	Fire Flow Improvements				125		Transmission & Distribution
01096	Pritchard Park Well Dev/Rehab				31,028		Supply & Treatment
01097	Shepard Way Pipeline Impr.				125		Transmission & Distribution
	Total				**$ 622,081**		

Plant in Service				Original Cost	Accumulated Depreciation		Allocated Donated Assets	Net Utility Funded Assets			Allocable Interest Cost
Supply & Treatment				$ 5,041,790	$ 2,264,358		$ (364,016)	$ 4,369,441			$ 2,703,999
Pumping				8,993	8,544		(692)	8,302			3,942
Storage				1,134,804	722,458		(79,149)	950,057			-
Transmission & Distribution				14,277,412	4,487,111		(4,232,778)	9,836,960			5,348,894
Meters & Services				-	-		-	-			-
Hydrants				54,862	21,396		(4,219)	50,643			29,158
Customer				-	-		-	-			-
General				1,176,727	220,502		(397,461)	778,791			326,525
Total				**$ 21,694,589**	**$ 7,724,369**		**$ (5,078,315)**	**$ 15,994,193**			**$ 8,412,517**

Hydrant Cost Calculation		ENR Index	
Number of City Hydrants	360	13,007	2022
		8,570	2009
2009 Cost per Hydrant	$ 2,500		
2022 Cost per Hydrant	$ 3,794		

Meters & Services Cost Calculation		ENR Index	
Number of Meter Service Equivalents	2,838	13,007	2022
		8,570	2009
2009 Cost for 3/4" meter	$ 150		
2022 Cost for 3/4" meter	$ 228		

LID Plant in Service - Excluded from Analysis	Donated	Year	Useful Life	Original Cost	Accumulated Depreciation	Function
LID 16 VALLEY VUE WTRL		1993	67 Years	$ 58,111	$ 25,278	Transmission & Distribution
LID 13 HIGH SCHOOL RD		1995	67 Years	317,465	128,573	Transmission & Distribution
LID 14 YEOMALT WTRLINE		1991	67 Years	150,724	70,087	Transmission & Distribution
LID 15 ALDER AVE IMPR		1995	67 Years	83,470	33,805	Transmission & Distribution
LID 19 COMMODORE LN WT		1999	67 Years	190,819	65,832	Transmission & Distribution
LID 17 ROCKAWAY BCH WT		1995	67 Years	1,125,380	455,779	Transmission & Distribution

City of Bainbridge Island
Water Rate and SPF Model
SPF Calculation

System Participation Fee - Average Cost Method	Supply & Treatment	Pumping	Storage	Transmission & Distribution	Meters & Services	Hydrants	General	Total
Cost Basis								
Existing Plant-in-Service	$ 4,733,457	$ 8,993	$ 1,029,205	$ 14,069,738	$ -	$ 54,862	$ 1,176,252	$ 21,072,508
Less: Contributed Assets	(364,016)	(692)	(79,149)	(4,232,778)	-	(4,219)	(397,461)	(5,078,315)
Plus: Construction Work In Progress	308,333	-	105,599	207,674	-	-	475	622,081
Less: Utility-Funded Meters & Services					-			-
Capital Improvement Program	3,787,000	-	21,664,000	2,485,000	-	-	225,000	28,161,000
Less: Grants/Contribution Funding for CIP Projects	-	-	-	(960,000)	-	-	-	(960,000)
Less: Utility-Funded Meters & Services CIP Projects					-			-
Less: Provision for Retirement of Existing Assets	(407,082)	-	(950,057)	(73,172)		-	-	(1,430,311)
Plus: Interest Accrued on Utility-Funded Assets	2,471,452	3,942	-	5,321,076		29,158	326,525	8,152,153
Pess: Outstanding Debt Principal Net of Available Cash	-	-	(13,645,636)	-	-	-	-	(13,645,636)
Net Cost Basis	**$ 10,529,144**	**$ 12,244**	**$ 8,123,963**	**$ 16,817,538**	**$ -**	**$ 79,801**	**$ 1,330,791**	**$ 36,893,481**
Share Allocable to Fire Protection (per Functional Asset Allocation)	0.00%	6.99%	70.43%	31.57%	0.00%	100.00%	26.13%	
Total Cost Allocated to Fire Protection	$ -	$ 856	$ 5,721,422	$ 5,308,745	$ -	$ 79,801	$ 347,754	$ 11,458,578
System Capacity in Fire-Weighted Meter Capacity Equivalents (MCEs)	6,225	6,019	4,065	6,019	6,019	6,019	5,634	
Fire-Protection SPF per MCE	**$ -**	**$ 0**	**$ 1,408**	**$ 882**	**$ -**	**$ 13**	**$ 62**	**$ 2,365**
Total Cost Allocated to Water Service	$ 10,529,144	$ 11,388	$ 2,402,542	$ 11,508,793	$ -	$ -	$ 983,036	$ 25,434,903
System Capacity in MCEs	5,716	5,527	3,732	5,527	5,527	5,527	5,173	
Domestic-Service SPF per MCE	**$ 1,842**	**$ 2**	**$ 644**	**$ 2,082**	**$ -**	**$ -**	**$ 190**	**$ 4,760**
Total SPF per MCE	**$ 1,842**	**$ 2**	**$ 2,051**	**$ 2,964**	**$ -**	**$ 13**	**$ 252**	**$ 7,125**

Net Debt Outstanding	Supply & Treatment	Pumping	Storage	Transmission & Distribution	Meters & Services	Hydrants	General	Total
Outstanding Debt Principal			$ 20,831,302					$ 20,831,302
less: Allocated Cash Balances			(7,185,667)					(7,185,667)
Net Debt Principal Outstanding	$ -	$ -	$ 13,645,636	$ -	$ -	$ -	$ -	$ 13,645,636

ERU Growth Capacity	Supply & Treatment	Pumping	Storage	Transmission & Distribution	Meters & Services	Hydrants	General	Total
Projected Annual 2022 Water Usage								329,336 ccf
Average Daily Demand per ERU								152 gpd
2022 ERUs								4,440
System ERU Capacity (per DOH Worksheet 6-1)	7,964	7,700	5,200	7,700	7,700	7,700	7,207	
Capacity for ERU Growth	79.36%	73.42%	17.11%	73.42%	73.42%	73.42%	62.31%	

City of Bainbridge Island
Water Rate and SPF Model
Schedule of System Participation Fees

Residential	Updated System Participation Fee	Existing System Participation Fee	Difference
5/8" Meter	$4,750	$3,806	$944
3/4" Meter	$7,125	$5,709	$1,416
1" Meter	$11,875	$9,515	$2,360
1-1/2" Meter	$23,749	$19,029	$4,720
2" Meter	$37,999	$30,447	$7,552
3" Meter	$75,998	$60,893	$15,105
4" Meter	$118,746	$95,145	$23,601
6" Meter	$237,492	$190,291	$47,201

Multi Family	Updated System Participation Fee	Existing System Participation Fee	Difference
5/8" Meter	$5,538	$4,030	$1,508
3/4" Meter	$8,307	$6,045	$2,262
1" Meter	$13,845	$10,075	$3,770
1-1/2" Meter	$27,691	$20,150	$7,541
2" Meter	$44,305	$32,240	$12,065
3" Meter	$88,610	$64,480	$24,130
4" Meter	$138,453	$100,750	$37,703
6" Meter	$276,905	$201,499	$75,406

Commercial	Updated System Participation Fee	Existing System Participation Fee	Difference
5/8" Meter	$5,538	$4,030	$1,508
3/4" Meter	$8,307	$6,045	$2,262
1" Meter	$13,845	$10,075	$3,770
1-1/2" Meter	$27,691	$20,150	$7,541
2" Meter	$44,305	$32,240	$12,065
3" Meter	$88,610	$64,480	$24,130
4" Meter	$138,453	$100,750	$37,703
6" Meter	$276,905	$201,499	$75,406

Irrigation	Updated System Participation Fee	Existing System Participation Fee	Difference
5/8" Meter	$3,173	$3,357	($184)
3/4" Meter	$4,760	$5,036	($276)
1" Meter	$7,933	$8,394	($461)
1-1/2" Meter	$15,867	$16,787	($920)
2" Meter	$25,387	$26,860	($1,473)
3" Meter	$50,773	$53,720	($2,947)
4" Meter	$79,334	$83,937	($4,603)
6" Meter	$158,667	$167,875	($9,208)

City of Bainbridge Island
Water Rate and SPF Model
MCE Projection

Meter Data Year	2022	Number of Meters By Meter Size					
Meter/Device Size	No. of Meter Capacity Equivalents (MCEs)	Single-Family Residential	Multi-Family Residential	Commercial	Irrigation	Rockaway Beach	Total
5/8"	0.67	0	0	0	0	0	0
3/4"	1.00	2,058	19	119	40	61	2,297
1"	1.67	32	14	45	12	2	104
1.5"	3.33	1	18	21	10	0	50
2"	5.33	0	35	31	8	1	74
3"	10.67	0	4	3	1	0	7
4"	16.67	0	3	2	0	0	5
6"	33.33	0	0	0	0	0	0
Total Number of Meters		2,091	92	220	71	64	2,537
Total Number of MCEs		2,114	373	486	146	69	3,187
Fire Flow Requirement		1,000 gpm	1,500 gpm	1,500 gpm	0 gpm	1,000 gpm	
Total Number of Fire-Weighted MCEs		2,114	559	728	0	69	3,471

City of Bainbridge Island
Water Rate and SPF Model
Price Out of Customer Data

2021

Accounts & Billed Consumption - Winslow

Single-Family	Accounts	Units	Billed Consumption (Bi-Monthly ccf)												Total
			Winter	Winter	Winter	Winter	Summer	Summer	Summer	Summer	Summer	Summer	Winter	Winter	
			January	February	March	April	May	June	July	August	September	October	November	December	
Discount															0 ccf
5/8" × 3/4"															0 ccf
3/4" x 3/4"	2,223		10,737 ccf	10,767 ccf	10,945 ccf	8,735 ccf	10,432 ccf	14,621 ccf	16,194 ccf	21,499 ccf	29,874 ccf	26,719 ccf	17,604 ccf	10,916 ccf	189,043 ccf
1"	34		281 ccf	325 ccf	216 ccf	1,181 ccf	210 ccf	515 ccf	305 ccf	777 ccf	545 ccf	955 ccf	358 ccf	409 ccf	6,077 ccf
1 1/2"	1		62 ccf	0 ccf	70 ccf	0 ccf	86 ccf	0 ccf	98 ccf	0 ccf	154 ccf	0 ccf	126 ccf	0 ccf	596 ccf
2"															0 ccf
3"															0 ccf
4"															0 ccf
6"															0 ccf
Total	2,259	0	11,080 ccf	11,092 ccf	11,231 ccf	9,916 ccf	10,728 ccf	15,136 ccf	16,597 ccf	22,276 ccf	30,573 ccf	27,674 ccf	18,088 ccf	11,325 ccf	195,716 ccf

Block Usage

Block 1 0-5 ccf	Block 2 5-12 ccf	Block 3 12-30 ccf	Block 4 30+ ccf	Total
				0 ccf
				0 ccf
102,091 ccf	46,477 ccf	28,217 ccf	12,258 ccf	189,043 ccf
2,899 ccf	1,437 ccf	1,069 ccf	672 ccf	6,077 ccf
60 ccf	84 ccf	216 ccf	236 ccf	596 ccf
				0 ccf
				0 ccf
				0 ccf
				0 ccf
105,050 ccf	47,998 ccf	29,502 ccf	13,166 ccf	195,716 ccf

7.221371285

Multi-Family	Accounts	Units	Billed Consumption (Bi-Monthly ccf)												Total
			January	February	March	April	May	June	July	August	September	October	November	December	
5/8" × 3/4"															0 ccf
3/4" x 3/4"	21	50	98 ccf	224 ccf	115 ccf	175 ccf	113 ccf	240 ccf	123 ccf	239 ccf	185 ccf	269 ccf	141 ccf	205 ccf	2,127 ccf
1"	15	136	590 ccf	285 ccf	605 ccf	226 ccf	579 ccf	302 ccf	759 ccf	233 ccf	896 ccf	295 ccf	747 ccf	297 ccf	5,814 ccf
1 1/2"	20	250	374 ccf	1,472 ccf	447 ccf	1,167 ccf	413 ccf	1,592 ccf	421 ccf	1,290 ccf	497 ccf	1,319 ccf	455 ccf	1,304 ccf	10,751 ccf
2"	38	804	2,178 ccf	3,212 ccf	2,454 ccf	2,693 ccf	2,289 ccf	3,392 ccf	2,201 ccf	3,124 ccf	2,573 ccf	3,515 ccf	2,390 ccf	3,249 ccf	33,270 ccf
3"	4	96	0 ccf	506 ccf	0 ccf	428 ccf	0 ccf	534 ccf	0 ccf	521 ccf	0 ccf	579 ccf	0 ccf	481 ccf	3,049 ccf
4"	3	271	0 ccf	1,506 ccf	2 ccf	1,176 ccf	1 ccf	1,519 ccf	0 ccf	1,398 ccf	3 ccf	1,715 ccf	1 ccf	1,644 ccf	8,965 ccf
6"															0 ccf
Total	101	1,607	3,240 ccf	7,205 ccf	3,623 ccf	5,865 ccf	3,395 ccf	7,579 ccf	3,504 ccf	6,805 ccf	4,154 ccf	7,692 ccf	3,734 ccf	7,180 ccf	63,976 ccf

Block 1 0-5 ccf	Block 2 5-12 ccf	Block 3 12-30 ccf	Block 4 30+ ccf	Total
				0 ccf
				0 ccf
				0 ccf
				0 ccf
				0 ccf
				0 ccf
				0 ccf
				0 ccf
0 ccf	0 ccf	0 ccf	0 ccf	0 ccf

Commercial	Accounts	Units	Billed Consumption (Bi-Monthly ccf)												Total
			January	February	March	April	May	June	July	August	September	October	November	December	
5/8" × 3/4"															0 ccf
3/4" x 3/4"	131		451 ccf	1,577 ccf	450 ccf	1,295 ccf	613 ccf	2,084 ccf	742 ccf	2,253 ccf	1,161 ccf	2,845 ccf	890 ccf	2,113 ccf	16,474 ccf
1"	50		291 ccf	687 ccf	309 ccf	611 ccf	276 ccf	921 ccf	388 ccf	1,010 ccf	441 ccf	1,271 ccf	365 ccf	1,346 ccf	7,916 ccf
1 1/2"	23		80 ccf	458 ccf	124 ccf	247 ccf	81 ccf	339 ccf	131 ccf	756 ccf	233 ccf	821 ccf	112 ccf	792 ccf	4,174 ccf
2"	34		230 ccf	3,136 ccf	257 ccf	2,921 ccf	332 ccf	4,035 ccf	338 ccf	5,275 ccf	415 ccf	6,196 ccf	379 ccf	3,929 ccf	27,443 ccf
3"	3		14 ccf	320 ccf	20 ccf	262 ccf	55 ccf	471 ccf	44 ccf	488 ccf	33 ccf	657 ccf	151 ccf	487 ccf	3,002 ccf
4"	2		105 ccf	0 ccf	140 ccf	0 ccf	335 ccf	0 ccf	430 ccf	0 ccf	500 ccf	0 ccf	575 ccf	0 ccf	2,085 ccf
6"															0 ccf
Total	243	0	1,171 ccf	6,178 ccf	1,300 ccf	5,336 ccf	1,692 ccf	7,850 ccf	2,073 ccf	9,782 ccf	2,783 ccf	11,790 ccf	2,472 ccf	8,667 ccf	61,094 ccf

Block 1 0-5 ccf	Block 2 5-12 ccf	Block 3 12-30 ccf	Block 4 30+ ccf	Total
				0 ccf
				0 ccf
				0 ccf
				0 ccf
				0 ccf
				0 ccf
				0 ccf
				0 ccf
0 ccf	0 ccf	0 ccf	0 ccf	0 ccf

Irrigation	Accounts	Units	Billed Consumption (Bi-Monthly ccf)												Total
			January	February	March	April	May	June	July	August	September	October	November	December	
5/8" × 3/4"															0 ccf
3/4" x 3/4"	43		35 ccf	7 ccf	4 ccf	4 ccf	25 ccf	1,233 ccf	596 ccf	2,870 ccf	1,019 ccf	3,231 ccf	561 ccf	1,210 ccf	10,795 ccf
1"	13		2 ccf	1 ccf	0 ccf	1 ccf	12 ccf	115 ccf	259 ccf	630 ccf	274 ccf	753 ccf	232 ccf	242 ccf	2,521 ccf
1 1/2"	11		0 ccf	16 ccf	0 ccf	8 ccf	1 ccf	374 ccf	240 ccf	879 ccf	516 ccf	845 ccf	217 ccf	131 ccf	3,227 ccf
2"	9		24 ccf	0 ccf	56 ccf	1 ccf	12 ccf	426 ccf	1,463 ccf	1,730 ccf	2,680 ccf	1,136 ccf	2,143 ccf	96 ccf	9,767 ccf
3"	1		12 ccf	0 ccf	0 ccf	0 ccf	27 ccf	0 ccf	408 ccf	0 ccf	1,687 ccf	0 ccf	1 ccf	0 ccf	2,135 ccf
4"															0 ccf
6"															0 ccf
Total	77	0	73 ccf	24 ccf	60 ccf	14 ccf	77 ccf	2,148 ccf	2,966 ccf	6,109 ccf	6,176 ccf	5,965 ccf	3,154 ccf	1,679 ccf	28,445 ccf

Block 1 0-5 ccf	Block 2 5-12 ccf	Block 3 12-30 ccf	Block 4 30+ ccf	Total
				0 ccf
				0 ccf
				0 ccf
				0 ccf
				0 ccf
				0 ccf
				0 ccf
				0 ccf
0 ccf	0 ccf	0 ccf	0 ccf	0 ccf

Winslow Total	2,679	1,607	15,564	24,499	16,214	21,131	15,892	32,713	25,140	44,972	43,686	53,121	27,448	28,851	349,231

Block 1 0-5 ccf	Block 2 5-12 ccf	Block 3 12-30 ccf	Block 4 30+ ccf	Total
				195,716 ccf

Accounts & Billed Consumption - Rockaway

Single Family	Accounts	Units	Billed Consumption (Bi-Monthly ccf)												Total
			January	February	March	April	May	June	July	August	September	October	November	December	
5/8" × 3/4"															0 ccf
3/4" x 3/4"	67		839 ccf	7 ccf	915 ccf	0 ccf	690 ccf	0 ccf	1,532 ccf	0 ccf	2,564 ccf	0 ccf	1,748 ccf	0 ccf	8,294 ccf
1"	2		19 ccf	0 ccf	24 ccf	0 ccf	36 ccf	0 ccf	152 ccf	0 ccf	251 ccf	0 ccf	82 ccf	0 ccf	564 ccf
1 1/2"															0 ccf
2"	1		1 ccf	0 ccf	1 ccf	0 ccf	2 ccf	0 ccf	1 ccf	0 ccf	17 ccf	0 ccf	1 ccf	0 ccf	23 ccf
3"															0 ccf
4"															0 ccf
6"															0 ccf
Total	70	0	859 ccf	7 ccf	940 ccf	0 ccf	728 ccf	0 ccf	1,685 ccf	0 ccf	2,832 ccf	0 ccf	1,831 ccf	0 ccf	8,881 ccf

Block Usage

Block 1 0-5 ccf	Block 2 5-12 ccf	Block 3 12-30 ccf	Block 4 30+ ccf	Total
				0 ccf
3,125 ccf	2,153 ccf	2,243 ccf	773 ccf	8,294 ccf
119 ccf	104 ccf	170 ccf	171 ccf	564 ccf
				0 ccf
16 ccf	7 ccf	0 ccf	0 ccf	23 ccf
				0 ccf
				0 ccf
				0 ccf
3,260 ccf	2,264 ccf	2,413 ccf	944 ccf	8,881 ccf

Rockaway Total	70	-	859 ccf	7 ccf	940 ccf	0 ccf	728 ccf	0 ccf	1,685 ccf	0 ccf	2,832 ccf	0 ccf	1,831 ccf	0 ccf	8,881 ccf

Block 1 0-5 ccf	Block 2 5-12 ccf	Block 3 12-30 ccf	Block 4 30+ ccf	Total
				8,881 ccf

System Total	2,749	1,607	16,423 ccf	24,506 ccf	17,154 ccf	21,131 ccf	16,620 ccf	32,713 ccf	26,825 ccf	44,972 ccf	46,518 ccf	53,121 ccf	29,279 ccf	28,851 ccf	358,112 ccf

Block 1 0-5 ccf	Block 2 5-12 ccf	Block 3 12-30 ccf	Block 4 30+ ccf	Total
				204,597 ccf

City of Bainbridge Island
Water Rate and SPF Model
Price Out of Customer Data

2021

Single-Family

Discount
5/8" x 3/4"
3/4" x 3/4"
1"
1 1/2"
2"
3"
4"
6"

2021 Winslow Rate Structure: Monthly				
Meter Charge	Volume Charge (per ccf)			
Monthly	Block 1	Block 2	Block 3	Block 4
$6.23	$0.63	$1.02	$1.44	$1.96
$12.45	$1.26	$2.03	$2.88	$3.92
$12.45	$1.26	$2.03	$2.88	$3.92
$24.55	$1.26	$2.03	$2.88	$3.92
$44.75	$1.26	$2.03	$2.88	$3.92

2021 Annual Charges - Winslow						
Meter Size	Meter Revenue	Volume Revenue				Total
		Block 1	Block 2	Block 3	Block 4	
Discount	$ -	$ -	$ -	$ -	$ -	$ -
5/8" x 3/4"	-	-	-	-	-	-
3/4" x 3/4"	332,154	128,635	94,348	81,265	48,051	684,454
1"	10,099	3,653	2,917	3,079	2,634	22,382
1 1/2"	532	76	171	622	925	2,325
2"	-	-	-	-	-	-
3"	-	-	-	-	-	-
5"	-	-	-	-	-	-
8"	-	-	-	-	-	-
Total	$ 342,786	$ 132,363	$ 97,436	$ 84,966	$ 51,611	$ 709,161

Multi-Family

5/8" x 3/4"
3/4" x 3/4"
1"
1 1/2"
2"
3"
4"
6"

Meter Charge	Volume Charge (per ccf)	
per Unit	Winter	Summer
$5.38	$1.11	$1.11
$5.38	$1.11	$1.11
$5.38	$1.11	$1.11
$5.38	$1.11	$1.11
$5.38	$1.11	$1.11
$5.38	$1.11	$1.11
$5.38	$1.11	$1.11
$5.38	$1.11	$1.11

Meter Size	Meter Revenue	Volume Revenue		Total
		Winter	Summer	
5/8" x 3/4"	$ -	$ -	$ -	$ -
3/4" x 3/4"	3,240	1,063	1,298	5,601
1"	8,765	3,053	3,401	15,218
1 1/2"	16,156	5,793	6,141	28,090
2"	51,907	17,955	18,974	88,837
3"	6,180	1,571	1,814	9,564
4"	17,509	4,805	5,146	27,460
6"	-	-	-	-
Total	$ 103,756	$ 34,240	$ 36,773	$ 174,769

Commercial

5/8" x 3/4"
3/4" x 3/4"
1"
1 1/2"
2"
3"
4"
6"

Meter Charge	Volume Charge (per ccf)	
per Account	Winter	Summer
$16.33	$1.54	$1.54
$16.33	$1.54	$1.54
$36.12	$1.54	$1.54
$69.25	$1.54	$1.54
$108.69	$1.54	$1.54
$214.25	$1.54	$1.54
$333.00	$1.54	$1.54
$662.87	$1.54	$1.54

Meter Size	Meter Revenue	Volume Revenue		Total
		Winter	Summer	
5/8" x 3/4"	$ -	$ -	$ -	$ -
3/4" x 3/4"	25,684	10,435	14,935	51,054
1"	21,613	5,558	6,633	33,803
1 1/2"	19,060	2,792	3,636	25,488
2"	44,222	16,712	25,550	86,485
3"	7,692	1,931	2,692	12,315
4"	7,970	1,263	1,948	11,181
6"	-	-	-	-
Total	$ 126,241	$ 38,691	$ 55,394	$ 220,326

Irrigation

5/8" x 3/4"
3/4" x 3/4"
1"
1 1/2"
2"
3"
4"
6"

Meter Charge	Volume Charge (per ccf)	
per Account	Winter	Summer
$4.09	$3.37	$3.37
$4.09	$3.37	$3.37
$5.38	$3.37	$3.37
$7.53	$3.37	$3.37
$10.13	$3.37	$3.37
$17.00	$3.37	$3.37
$24.75	$3.37	$3.37
$46.28	$3.37	$3.37

Meter Size	Meter Revenue	Volume Revenue		Total
		Winter	Summer	
5/8" x 3/4"	$ -	$ -	$ -	$ -
3/4" x 3/4"	2,117	6,137	30,242	38,496
1"	837	1,611	6,885	9,333
1 1/2"	991	1,254	9,621	11,866
2"	1,034	7,818	25,096	33,949
3"	203	44	7,151	7,398
4"	-	-	-	-
6"	-	-	-	-
Total	$ 5,182	$ 16,863	$ 78,996	$ 101,042

Single Family

5/8" x 3/4"
3/4" x 3/4"
1"
1 1/2"
2"
3"
4"
6"

2021 Rockaway Rate Structure: Monthly				
Meter Charge	Volume Charge (per ccf)			
per Account	Block 1	Block 2	Block 3	Block 4
$12.45	$1.26	$2.03	$2.88	$3.92
$12.45	$1.26	$2.03	$2.88	$3.92
$24.55	$1.26	$2.03	$2.88	$3.92
$44.75	$1.26	$2.03	$2.88	$3.92
	$1.26	$2.03	$2.88	$3.92

Annual Charges - Rockaway						
Meter Size	Meter Revenue	Volume Revenue				Total
		Block 1	Block 2	Block 3	Block 4	
5/8" x 3/4"	$ -	$ -	$ -	$ -	$ -	$ -
3/4" x 3/4"	10,041	3,937	4,371	6,460	3,030	27,839
1"	583	150	211	490	670	2,104
1 1/2"	-	-	-	-	-	-
2"	-	20	14	-	-	34
3"	-	-	-	-	-	-
4"	-	-	-	-	-	-
6"	-	-	-	-	-	-
Total	$ 10,625	$ 4,108	$ 4,596	$ 6,949	$ 3,700	$ 29,978

Price Out of 2021 Customer Data	
Estimated Revenue	$ 1,235,275
2021 Reported Revenue	$ 1,217,903
Percent Difference	-1.41%

City of Bainbridge Island
Water Rate and SPF Model
Customer Growth Calculations

Charge Code	Description	2016	2017	2018	2019	2020	2021	Years of Growth	5
100000	WATER BASE /SNGL FAM SFR 3/4"	1,966	2,037	2,063	2,035	2,193	2,196		
101000	WATER BASE /SNGL FAM SFR 1"	24	24	24	23	30	34		
101034	WATER BASE SFR FIRE 1IN AS 3/4	26	26	26	25	26	26		
101500	WATER BASE /SNGL FAM SFR 1.5"	1	1	1	1	1	1		
102000	WATER BASE /SNGL FAM SFR 2"	0	0	0	0	0	0		
103000	WATER BASE /SNGL FAM SFR 3"	0	0	0	0	0	0		
104000	WATER BASE /SNGL FAM SFR 4"	0	0	0	0	0	0		
106000	WATER BASE /SNGL FAM SFR 6"	0	0	0	0	0	0		
	Total Single Family	2,017	2,088	2,114	2,084	2,250	2,258	5 Year Growth Rate	2.3%
110000	WATER BASE /MULT-FAM PER UNIT	96	99	100	101	103	101		
	Total Multi Family	96	99	100	101	103	101	5 Year Growth Rate	1.0%
120000	WATER BASE /COMMERCIAL 3/4"	125	121	121	121	121	121		
121000	WATER BASE /COMMERCIAL 1"	43	43	45	45	44	44		
121500	WATER BASE /COMMERCIAL 1.5"	18	19	20	20	20	20		
122000	WATER BASE /COMMERCIAL 2"	24	25	25	26	25	25		
123000	WATER BASE /COMMERCIAL 3"	1	1	1	1	1	1		
124000	WATER BASE /COMMERCIAL 4"	0	0	0	0	0	0		
126000	WATER BASE /COMMERCIAL 6"	0	0	0	0	0	0		
180000	WATER BASE /GOV'T SFR 3/4" MTR	1	1	1	1	1	1		
182000	WATER BASE GOV'T COMM 3/4" MTR	9	9	9	9	9	9		
182100	WATER BASE GOV'T COMM 1" MTR	3	3	2	2	2	2		
182150	WATER BASE GOV'T COMM 1.5" MTR	3	3	3	3	3	3		
182200	WATER BASE GOV'T COMM 2" MTR	9	9	9	9	9	9		
182300	WATER BASE GOV'T OTHER 3" MTR	1	1	1	1	1	1		
182400	WATER BASE GOV'T OTHER 4" MTR	2	2	2	2	2	2		
	Total Commercial	239	237	239	240	238	238	5 Year Growth Rate	-0.1%
310000	IRRIGATION WATER BASE 3/4" MTR	31	32	37	41	36	37		
311000	IRRIGATION WATER BASE 1" MTR	12	11	11	13	12	12		
312000	IRRIGATION WATER BASE 2" MTR	5	5	5	6	5	6		
313000	IRRIGATION WATER BASE 3" MTR	0	0	0	0	0	0		
314000	IRRIGATION WATER BASE 4" MTR	0	0	0	0	0	0		
315000	IRRIGATION WATER BASE 1.5" MTR	6	7	7	8	8	8		
316000	IRRIGATION WATER BASE 6" MTR	0	0	0	0	0	0		
381000	IRRIGATION BASE GOV'T 1" MTR	2	1	1	1	1	1		
381500	IRRIGATION BASE GOV'T 1.5" MTR	3	3	3	3	3	3		
382000	IRRIGATION BASE GOV'T 2" MTR	3	3	3	3	3	3		
383000	IRRIGATION BASE GOV'T 3" MTR	1	1	1	1	1	1		
	Total Irrigation	63	63	68	77	69	71	5 Year Growth Rate	2.3%
140000	WATER BASE /ROCKAWAY SFR 3/4"	69	68	68	68	68	67		
141000	WATER BASE /ROCKAWAY SFR 1"	1	2	2	2	2	2		
141500	WATER BASE /ROCKAWAY SFR 1.5"	0	0	0	0	0	0		
142000	WATER BASE /ROCKAWAY SFR 2"	0	0	0	0	0	0		
	Total Rockaway Single Family	70	70	70	70	70	69	5 Year Growth Rate	-0.2%

City of Bainbridge Island
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Growth Assumptions [1]	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Single Family Account Growth		2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%
Multi-Family Account Growth		1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Commercial Account Growth		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Irrigation Account Growth		2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%
Rockaway Account Growth		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Single Family Demand Growth		2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%
Multi-Family Demand Growth		1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Commercial Demand Growth		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Irrigation Demand Growth		2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%	2.30%
Rockaway Demand Growth		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
No Growth		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

[1] Growth Based on Actual Water Accounts	2016-2021
Single-Family	2.3%
Multi-Family	1.0%
Commercial	0.0%
Irrigation	2.3%
Rockaway Beach	0.0%

Normalization Adjustment: -8.2% 2.4%

Single-Family Customer Data Forecast	No. of MSEs	No. of MCEs	Growth Assumption	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Customer Counts														
Discount	1.00	0.67	Single Family Account Growth	0	0	0	0	0	0	0	0	0	0	0
5/8" × 3/4" Meter	1.00	0.67	Single Family Account Growth	0	0	0	0	0	0	0	0	0	0	0
3/4" × 3/4" Meter	1.00	1.00	Single Family Account Growth	2,192	2,058	2,157	2,207	2,257	2,309	2,362	2,417	2,472	2,529	2,587
1" Meter	1.27	1.67	Single Family Account Growth	34	32	33	34	35	36	36	37	38	39	40
1-1/2" Meter	1.64	3.33	Single Family Account Growth	1	1	1	1	1	1	1	1	1	1	1
2" Meter	2.64	5.33	Single Family Account Growth	0	0	0	0	0	0	0	0	0	0	0
3" Meter	10.00	10.67	Single Family Account Growth	0	0	0	0	0	0	0	0	0	0	0
4" Meter	12.73	16.67	Single Family Account Growth	0	0	0	0	0	0	0	0	0	0	0
6" Meter	19.09	33.33	Single Family Account Growth	0	0	0	0	0	0	0	0	0	0	0
Total Number of Meters				2,227	2,091	2,191	2,242	2,293	2,346	2,400	2,455	2,512	2,569	2,629
Total Number of MSEs				2,237	2,100	2,201	2,252	2,303	2,356	2,411	2,466	2,523	2,581	2,640
Total Number of MCEs				2,252	2,114	2,216	2,267	2,319	2,372	2,427	2,483	2,540	2,598	2,658
Billed Water Consumption			Single Family Demand Growth											
Block 1 (0 - 5 ccf)				103,573 ccf	97,257 ccf	101,923 ccf	104,268 ccf	106,666 ccf	109,119 ccf	111,629 ccf	114,196 ccf	116,823 ccf	119,510 ccf	122,258 ccf
Block 2 (5 - 12 ccf)				47,323 ccf	44,437 ccf	46,569 ccf	47,641 ccf	48,736 ccf	49,857 ccf	51,004 ccf	52,177 ccf	53,377 ccf	54,605 ccf	55,861 ccf
Block 3 (12 - 30 ccf)				29,087 ccf	27,313 ccf	28,624 ccf	29,282 ccf	29,956 ccf	30,645 ccf	31,350 ccf	32,071 ccf	32,808 ccf	33,563 ccf	34,335 ccf
Block 4 (30 ccf +)				12,981 ccf	12,189 ccf	12,774 ccf	13,068 ccf	13,369 ccf	13,676 ccf	13,991 ccf	14,312 ccf	14,641 ccf	14,978 ccf	15,323 ccf
Total				192,963 ccf	181,196 ccf	189,891 ccf	194,258 ccf	198,726 ccf	203,297 ccf	207,973 ccf	212,756 ccf	217,650 ccf	222,655 ccf	227,777 ccf
Winter Consumption				71,709 ccf	67,336 ccf	68,885 ccf	70,469 ccf	72,090 ccf	73,748 ccf	75,444 ccf	77,180 ccf	78,955 ccf	80,771 ccf	82,628 ccf
Summer Consumption				121,254 ccf	113,860 ccf	116,479 ccf	119,158 ccf	121,899 ccf	124,702 ccf	127,570 ccf	130,505 ccf	133,506 ccf	136,577 ccf	139,718 ccf
Adopted Monthly Fixed Charges														
Discount				$6.23	$6.35	$6.99	$6.99	$6.99	$6.99	$6.99	$6.99	$6.99	$6.99	$6.99
5/8" × 3/4" Meter				$12.45	$12.70	$13.98	$13.98	$13.98	$13.98	$13.98	$13.98	$13.98	$13.98	$13.98
3/4" × 3/4" Meter				$12.45	$12.70	$13.98	$13.98	$13.98	$13.98	$13.98	$13.98	$13.98	$13.98	$13.98
1" Meter				$24.55	$25.04	$27.57	$27.57	$27.57	$27.57	$27.57	$27.57	$27.57	$27.57	$27.57
1-1/2" Meter				$44.75	$45.65	$50.26	$50.26	$50.26	$50.26	$50.26	$50.26	$50.26	$50.26	$50.26
2" Meter														
3" Meter														
4" Meter														
6" Meter														
Adopted Volume Charges														
Block 1 (0 - 5 ccf)				$1.26	$1.29	$1.42	$1.42	$1.42	$1.42	$1.42	$1.42	$1.42	$1.42	$1.42
Block 2 (5 - 12 ccf)				$2.03	$2.07	$2.28	$2.28	$2.28	$2.28	$2.28	$2.28	$2.28	$2.28	$2.28
Block 3 (12 - 30 ccf)				$2.88	$2.94	$3.24	$3.24	$3.24	$3.24	$3.24	$3.24	$3.24	$3.24	$3.24
Block 4 (30 ccf +)				$3.92	$4.00	$4.40	$4.40	$4.40	$4.40	$4.40	$4.40	$4.40	$4.40	$4.40
Estimated Revenue At Adopted Rates:														
Base Charges				$ 337,965	$ 323,727	$ 373,456	$ 382,046	$ 390,833	$ 399,822	$ 409,018	$ 418,425	$ 428,049	$ 437,894	$ 447,965
Consumption Charges				361,223	346,504	399,857	409,054	418,462	428,087	437,933	448,005	458,309	468,850	479,634
Total				$ 699,187	$ 670,231	$ 773,313	$ 791,099	$ 809,295	$ 827,908	$ 846,950	$ 866,430	$ 886,358	$ 906,744	$ 927,599

Multi-Family Customer Data Forecast				2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Customer Counts - Meters	**No. of MSEs**	**No. of MCEs**	**Growth Assumption**											
5/8" × 3/4" Meter	1.00	0.67	Multi-Family Account Growth	0	0	0	0	0	0	0	0	0	0	0
3/4" × 3/4" Meter	1.00	1.00	Multi-Family Account Growth	21	19	20	20	20	20	21	21	21	21	22
1" Meter	1.27	1.67	Multi-Family Account Growth	15	14	14	14	14	15	15	15	15	15	15
1-1/2" Meter	1.64	3.33	Multi-Family Account Growth	20	18	19	19	19	19	20	20	20	20	20
2" Meter	2.64	5.33	Multi-Family Account Growth	37	35	36	36	37	37	37	38	38	39	39
3" Meter	10.00	10.67	Multi-Family Account Growth	4	4	4	4	4	4	4	4	4	4	4
4" Meter	12.73	16.67	Multi-Family Account Growth	3	3	3	3	3	3	3	3	3	3	3
6" Meter	19.09	33.33	Multi-Family Account Growth	0	0	0	0	0	0	0	0	0	0	0
Total Number of Meters				100	92	96	96	97	98	99	100	101	102	103
Total Number of MSEs				248	230	238	240	242	245	247	250	252	255	257
Total Number of MCEs				402	373	386	390	394	398	402	406	410	414	418
Customer Counts - Units			**Growth Assumption**											
5/8" × 3/4" Meter			Multi-Family Account Growth	0	0	0	0	0	0	0	0	0	0	0
3/4" × 3/4" Meter			Multi-Family Account Growth	49	46	47	48	48	49	49	50	50	51	51
1" Meter			Multi-Family Account Growth	134	124	128	130	131	132	134	135	136	138	139
1-1/2" Meter			Multi-Family Account Growth	247	229	237	239	241	244	246	249	251	254	256
2" Meter			Multi-Family Account Growth	793	735	760	768	776	783	791	799	807	815	823
3" Meter			Multi-Family Account Growth	94	87	91	91	92	93	94	95	96	97	98
4" Meter			Multi-Family Account Growth	267	248	256	259	262	264	267	270	272	275	278
6" Meter			Multi-Family Account Growth	0	0	0	0	0	0	0	0	0	0	0
Total Number of Units				1,585	1,469	1,520	1,535	1,550	1,566	1,582	1,597	1,613	1,630	1,646
Billed Water Consumption			Multi-Family Demand Growth											
Winter Consumption				30,413 ccf	28,196 ccf	29,173 ccf	29,465 ccf	29,759 ccf	30,057 ccf	30,358 ccf	30,661 ccf	30,968 ccf	31,277 ccf	31,590 ccf
Summer Consumption				32,663 ccf	30,282 ccf	31,331 ccf	31,645 ccf	31,961 ccf	32,281 ccf	32,603 ccf	32,929 ccf	33,259 ccf	33,591 ccf	33,927 ccf
Total				63,076 ccf	58,477 ccf	60,504 ccf	61,109 ccf	61,720 ccf	62,338 ccf	62,961 ccf	63,591 ccf	64,227 ccf	64,869 ccf	65,517 ccf
Winter Consumption				30,413 ccf	30,717 ccf	31,024 ccf	31,335 ccf	31,648 ccf	31,965 ccf	32,284 ccf	32,607 ccf	32,933 ccf	33,262 ccf	33,595 ccf
Summer Consumption				32,663 ccf	32,990 ccf	33,320 ccf	33,653 ccf	33,989 ccf	34,329 ccf	34,673 ccf	35,019 ccf	35,369 ccf	35,723 ccf	36,080 ccf
Adopted Monthly Fixed Charges														
5/8" × 3/4" Meter				$5.38	$5.49	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04
3/4" × 3/4" Meter				$5.38	$5.49	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04
1" Meter				$5.38	$5.49	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04
1-1/2" Meter				$5.38	$5.49	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04
2" Meter				$5.38	$5.49	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04
3" Meter				$5.38	$5.49	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04
4" Meter				$5.38	$5.49	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04
6" Meter				$5.38	$5.49	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04
Adopted Volume Charges														
Winter Consumption				$1.11	$1.13	$1.24	$1.24	$1.24	$1.24	$1.24	$1.24	$1.24	$1.24	$1.24
Summer Consumption				$1.11	$1.13	$1.24	$1.24	$1.24	$1.24	$1.24	$1.24	$1.24	$1.24	$1.24
Estimated Revenue At Adopted Rates:														
Base Charges				$ 102,296	$ 96,777	$ 110,163	$ 111,265	$ 112,377	$ 113,501	$ 114,636	$ 115,782	$ 116,940	$ 118,110	$ 119,291
Consumption Charges				70,015	66,079	75,025	75,776	76,533	77,299	78,072	78,852	79,641	80,437	81,242
Total				$ 172,311	$ 162,856	$ 185,188	$ 187,040	$ 188,911	$ 190,800	$ 192,708	$ 194,635	$ 196,581	$ 198,547	$ 200,532

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Commercial Customer Data Forecast				2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Customer Counts	**No. of MSEs**	**No. of MCEs**	**Growth Assumption**											
5/8" × 3/4" Meter	1.00	0.67	Commercial Account Growth	0	0	0	0	0	0	0	0	0	0	0
3/4" × 3/4" Meter	1.00	1.00	Commercial Account Growth	129	119	122	122	122	122	122	122	122	122	122
1" Meter	1.27	1.67	Commercial Account Growth	49	45	46	46	46	46	46	46	46	46	46
1-1/2" Meter	1.64	3.33	Commercial Account Growth	23	21	21	21	21	21	21	21	21	21	21
2" Meter	2.64	5.33	Commercial Account Growth	33	31	31	31	31	31	31	31	31	31	31
3" Meter	10.00	10.67	Commercial Account Growth	3	3	3	3	3	3	3	3	3	3	3
4" Meter	12.73	16.67	Commercial Account Growth	2	2	2	2	2	2	2	2	2	2	2
6" Meter	19.09	33.33	Commercial Account Growth	0	0	0	0	0	0	0	0	0	0	0
Total Number of Meters				239	220	225	225	225	225	225	225	225	225	225
Total Number of MSEs				371	341	349	349	349	349	349	349	349	349	349
Total Number of MCEs				529	486	497	497	497	497	497	497	497	497	497
Billed Water Consumption			Commercial Demand Growth											
Winter Consumption				24,771 ccf	22,737 ccf	23,292 ccf	23,292 ccf	23,292 ccf	23,292 ccf	23,292 ccf	23,292 ccf	23,292 ccf	23,292 ccf	23,292 ccf
Summer Consumption				35,464 ccf	32,553 ccf	33,348 ccf	33,348 ccf	33,348 ccf	33,348 ccf	33,348 ccf	33,348 ccf	33,348 ccf	33,348 ccf	33,348 ccf
Total				60,235 ccf	55,290 ccf	56,640 ccf	56,640 ccf	56,640 ccf	56,640 ccf	56,640 ccf	56,640 ccf	56,640 ccf	56,640 ccf	56,640 ccf
Adopted Monthly Fixed Charges														
5/8" × 3/4" Meter				$16.33	$16.66	$18.34	$18.34	$18.34	$18.34	$18.34	$18.34	$18.34	$18.34	$18.34
3/4" × 3/4" Meter				$16.33	$16.66	$18.34	$18.34	$18.34	$18.34	$18.34	$18.34	$18.34	$18.34	$18.34
1" Meter				$36.12	$36.84	$40.56	$40.56	$40.56	$40.56	$40.56	$40.56	$40.56	$40.56	$40.56
1-1/2" Meter				$69.25	$70.64	$77.77	$77.77	$77.77	$77.77	$77.77	$77.77	$77.77	$77.77	$77.77
2" Meter				$108.69	$110.86	$122.06	$122.06	$122.06	$122.06	$122.06	$122.06	$122.06	$122.06	$122.06
3" Meter				$214.25	$218.54	$240.61	$240.61	$240.61	$240.61	$240.61	$240.61	$240.61	$240.61	$240.61
4" Meter				$333.00	$339.66	$373.97	$373.97	$373.97	$373.97	$373.97	$373.97	$373.97	$373.97	$373.97
6" Meter				$662.87	$676.13	$744.42	$744.42	$744.42	$744.42	$744.42	$744.42	$744.42	$744.42	$744.42
Adopted Volume Charges														
Winter Consumption				$1.54	$1.57	$1.73	$1.73	$1.73	$1.73	$1.73	$1.73	$1.73	$1.73	$1.73
Summer Consumption				$1.54	$1.57	$1.73	$1.73	$1.73	$1.73	$1.73	$1.73	$1.73	$1.73	$1.73
Estimated Revenue At Adopted Rates:														
Base Charges				$ 124,465	$ 116,536	$ 131,436	$ 131,436	$ 131,436	$ 131,436	$ 131,436	$ 131,436	$ 131,436	$ 131,436	$ 131,436
Consumption Charges				92,762	86,805	97,988	97,988	97,988	97,988	97,988	97,988	97,988	97,988	97,988
Total				$ 217,227	$ 203,342	$ 229,423	$ 229,423	$ 229,423	$ 229,423	$ 229,423	$ 229,423	$ 229,423	$ 229,423	$ 229,423

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Irrigation Customer Data Forecast				2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Customer Counts	**No. of MSEs**	**No. of MCEs**	**Growth Assumption**											
5/8" × 3/4" Meter	1.00	0.67	Irrigation Account Growth	0	0	0	0	0	0	0	0	0	0	0
3/4" × 3/4" Meter	1.00	1.00	Irrigation Account Growth	43	40	42	43	44	45	46	47	48	49	50
1" Meter	1.27	1.67	Irrigation Account Growth	13	12	13	13	13	13	14	14	14	15	15
1-1/2" Meter	1.64	3.33	Irrigation Account Growth	11	10	11	11	11	11	12	12	12	12	13
2" Meter	2.64	5.33	Irrigation Account Growth	8	8	8	8	9	9	9	9	9	10	10
3" Meter	10.00	10.67	Irrigation Account Growth	1	1	1	1	1	1	1	1	1	1	1
4" Meter	12.73	16.67	Irrigation Account Growth	0	0	0	0	0	0	0	0	0	0	0
6" Meter	19.09	33.33	Irrigation Account Growth	0	0	0	0	0	0	0	0	0	0	0
Total Number of Meters				75	71	74	76	78	80	81	83	85	87	89
Total Number of MSEs				108	102	107	109	112	114	117	120	122	125	128
Total Number of MCEs				155	146	153	156	160	163	167	171	175	179	183
Billed Water Consumption			Irrigation Demand Growth											
Winter Consumption				4,934 ccf	4,633 ccf	4,855 ccf	4,967 ccf	5,081 ccf	5,198 ccf	5,317 ccf	5,440 ccf	5,565 ccf	5,693 ccf	5,824 ccf
Summer Consumption				23,111 ccf	21,702 ccf	22,743 ccf	23,266 ccf	23,802 ccf	24,349 ccf	24,909 ccf	25,482 ccf	26,068 ccf	26,668 ccf	27,281 ccf
Total				28,045 ccf	26,335 ccf	27,598 ccf	28,233 ccf	28,883 ccf	29,547 ccf	30,226 ccf	30,922 ccf	31,633 ccf	32,360 ccf	33,105 ccf
Adopted Monthly Fixed Charges														
5/8" × 3/4" Meter				$4.09	$4.17	$4.59	$4.59	$4.59	$4.59	$4.59	$4.59	$4.59	$4.59	$4.59
3/4" × 3/4" Meter				$4.09	$4.17	$4.59	$4.59	$4.59	$4.59	$4.59	$4.59	$4.59	$4.59	$4.59
1" Meter				$5.38	$5.49	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04	$6.04
1-1/2" Meter				$7.53	$7.68	$8.46	$8.46	$8.46	$8.46	$8.46	$8.46	$8.46	$8.46	$8.46
2" Meter				$10.13	$10.33	$11.37	$11.37	$11.37	$11.37	$11.37	$11.37	$11.37	$11.37	$11.37
3" Meter				$17.00	$17.34	$19.09	$19.09	$19.09	$19.09	$19.09	$19.09	$19.09	$19.09	$19.09
4" Meter				$24.75	$25.25	$27.80	$27.80	$27.80	$27.80	$27.80	$27.80	$27.80	$27.80	$27.80
6" Meter				$46.28	$47.21	$51.98	$51.98	$51.98	$51.98	$51.98	$51.98	$51.98	$51.98	$51.98
Adopted Volume Charges														
Winter Consumption				$3.37	$3.44	$3.79	$3.79	$3.79	$3.79	$3.79	$3.79	$3.79	$3.79	$3.79
Summer Consumption				$3.37	$3.44	$3.79	$3.79	$3.79	$3.79	$3.79	$3.79	$3.79	$3.79	$3.79
Estimated Revenue At Adopted Rates:														
Base Charges				$ 5,109	$ 4,893	$ 5,644	$ 5,774	$ 5,907	$ 6,043	$ 6,182	$ 6,324	$ 6,469	$ 6,618	$ 6,770
Consumption Charges				94,511	90,592	104,598	107,004	109,465	111,982	114,558	117,193	119,888	122,646	125,467
Total				$ 99,621	$ 95,484	$ 110,242	$ 112,778	$ 115,372	$ 118,025	$ 120,740	$ 123,517	$ 126,358	$ 129,264	$ 132,237

City of Bainbridge Island
Water Rate and SPF Model
Forecast of Customer Data

Rockaway Beach Customer Data Forecast				2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Customer Counts	**No. of MSEs**	**No. of MCEs**	**Growth Assumption**											
5/8" × 3/4" Meter	1.00	0.67	Rockaway Account Growth	0	0	0	0	0	0	0	0	0	0	0
3/4" × 3/4" Meter	1.00	1.00	Rockaway Account Growth	66	61	62	62	62	62	62	62	62	62	62
1" Meter	1.27	1.67	Rockaway Account Growth	2	2	2	2	2	2	2	2	2	2	2
1-1/2" Meter	1.64	3.33	Rockaway Account Growth	0	0	0	0	0	0	0	0	0	0	0
2" Meter	2.64	5.33	Rockaway Account Growth	1	1	1	1	1	1	1	1	1	1	1
3" Meter	10.00	10.67	Rockaway Account Growth	0	0	0	0	0	0	0	0	0	0	0
4" Meter	12.73	16.67	Rockaway Account Growth	0	0	0	0	0	0	0	0	0	0	0
6" Meter	19.09	33.33	Rockaway Account Growth	0	0	0	0	0	0	0	0	0	0	0
Total Number of Meters				69	64	65	65	65	65	65	65	65	65	65
Total Number of MSEs				71	65	67	67	67	67	67	67	67	67	67
Total Number of MCEs				75	69	70	70	70	70	70	70	70	70	70
Billed Water Consumption			Rockaway Demand Growth											
Block 1 (0 - 5 ccf)				3,214 ccf	2,950 ccf	3,022 ccf	3,022 ccf	3,022 ccf	3,022 ccf	3,022 ccf	3,022 ccf	3,022 ccf	3,022 ccf	3,022 ccf
Block 2 (5 - 12 ccf)				2,232 ccf	2,049 ccf	2,099 ccf	2,099 ccf	2,099 ccf	2,099 ccf	2,099 ccf	2,099 ccf	2,099 ccf	2,099 ccf	2,099 ccf
Block 3 (12 - 30 ccf)				2,379 ccf	2,184 ccf	2,237 ccf	2,237 ccf	2,237 ccf	2,237 ccf	2,237 ccf	2,237 ccf	2,237 ccf	2,237 ccf	2,237 ccf
Block 4 (30 ccf +)				931 ccf	854 ccf	875 ccf	875 ccf	875 ccf	875 ccf	875 ccf	875 ccf	875 ccf	875 ccf	875 ccf
Total				8,756 ccf	8,037 ccf	8,234 ccf	8,234 ccf	8,234 ccf	8,234 ccf	8,234 ccf	8,234 ccf	8,234 ccf	8,234 ccf	8,234 ccf
Winter Consumption				3,585 ccf	3,585 ccf	3,585 ccf	3,585 ccf	3,585 ccf	3,585 ccf	3,585 ccf	3,585 ccf	3,585 ccf	3,585 ccf	3,585 ccf
Summer Consumption				5,171 ccf	5,171 ccf	5,171 ccf	5,171 ccf	5,171 ccf	5,171 ccf	5,171 ccf	5,171 ccf	5,171 ccf	5,171 ccf	5,171 ccf
Adopted Monthly Fixed Charges														
5/8" × 3/4" Meter				$12.45	$12.70	$13.98	$13.98	$13.98	$13.98	$13.98	$13.98	$13.98	$13.98	$13.98
3/4" × 3/4" Meter				$12.45	$12.70	$13.98	$13.98	$13.98	$13.98	$13.98	$13.98	$13.98	$13.98	$13.98
1" Meter				$24.55	$25.04	$27.57	$27.57	$27.57	$27.57	$27.57	$27.57	$27.57	$27.57	$27.57
1-1/2" Meter				$44.75	$45.65	$50.26	$50.26	$50.26	$50.26	$50.26	$50.26	$50.26	$50.26	$50.26
2" Meter														
3" Meter														
4" Meter														
6" Meter														
Adopted Volume Charges														
Block 1 (0 - 5 ccf)				$1.26	$1.29	$1.42	$1.42	$1.42	$1.42	$1.42	$1.42	$1.42	$1.42	$1.42
Block 2 (5 - 12 ccf)				$2.03	$2.07	$2.28	$2.28	$2.28	$2.28	$2.28	$2.28	$2.28	$2.28	$2.28
Block 3 (12 - 30 ccf)				$2.88	$2.94	$3.24	$3.24	$3.24	$3.24	$3.24	$3.24	$3.24	$3.24	$3.24
Block 4 (30 ccf +)				$3.92	$4.00	$4.40	$4.40	$4.40	$4.40	$4.40	$4.40	$4.40	$4.40	$4.40
Estimated Revenue At Adopted Rates:														
Base Charges				$ 10,475	$ 9,808	$ 11,061	$ 11,061	$ 11,061	$ 11,061	$ 11,061	$ 11,061	$ 11,061	$ 11,061	$ 11,061
Consumption Charges				19,081	17,885	20,176	20,176	20,176	20,176	20,176	20,176	20,176	20,176	20,176
Total				$ 29,556	$ 27,693	$ 31,237	$ 31,237	$ 31,237	$ 31,237	$ 31,237	$ 31,237	$ 31,237	$ 31,237	$ 31,237

Estimated Revenue At Adopted Rates - All Customers:														
Base Charges				$ 580,311	$ 551,741	$ 631,760	$ 641,580	$ 651,613	$ 661,862	$ 672,332	$ 683,028	$ 693,955	$ 705,118	$ 716,523
Consumption Charges				637,592	607,865	697,644	709,997	722,624	735,532	748,726	762,214	776,002	790,097	804,506
Total				$ 1,217,903	$ 1,159,606	$ 1,329,404	$ 1,351,577	$ 1,374,237	$ 1,397,393	$ 1,421,058	$ 1,445,242	$ 1,469,957	$ 1,495,215	$ 1,521,029

City of Bainbridge Island
Water Rate and SPF Model
Functional Allocation

Allocation of Plant in Service

Plant in Service	Total Costs	FUNCTIONS OF WATER SERVICE					As All Others	TOTAL	ALLOCATION BASIS
		Customer	Meters & Services	Base Capacity	Peak Capacity	Fire Protection			
Supply & Treatment	$ 5,041,790	0.00%	0.00%	46.30%	53.70%	0.00%	0.00%	100.00%	Peak Demand Ratio
Pumping	8,993	0.00%	0.00%	43.06%	49.95%	6.99%	0.00%	100.00%	Per Pumping Allocation
Storage	1,134,804	0.00%	0.00%	8.06%	21.51%	70.43%	0.00%	100.00%	Per Storage Allocation
Transmission & Distribution	14,277,412	0.00%	0.72%	31.35%	36.37%	31.57%	0.00%	100.00%	Per Main Allocation
Meters & Services	-	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	100.00%	Meters & Services
Hydrants	54,862	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	100.00%	Hydrants
General	1,176,727	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	100.00%	As All Others
Total Utility Plant	$ 21,694,589	$ -	$ 102,305	$ 6,905,524	$ 8,148,429	$ 5,361,605	$ 1,176,727	$ 21,694,589	
Water Service Functions		0.00%	0.50%	33.66%	39.71%	26.13%		**100.00%**	
Allocation of "As All Others"		$ -	$ 5,867	$ 396,041	$ 467,323	$ 307,495	$ (1,176,727)	$ -	
TOTAL	**$ 21,694,589**	**$ -**	**$ 108,172**	**$ 7,301,565**	**$ 8,615,752**	**$ 5,669,100**	**$ -**	**$ 21,694,589**	
Total Allocation Percentages		**0.00%**	**0.50%**	**33.66%**	**39.71%**	**26.13%**	**0.00%**	**100.00%**	
General Water Service - Plant Allocation		**0.00%**	**0.68%**	**45.56%**	**53.76%**	**0.00%**	**0.00%**	**100.00%**	

Allocation of Pumping

Pumps [a]	Pumping Capacity (gpm)	FUNCTIONS OF WATER SERVICE					As All Others	TOTAL	ALLOCATION BASIS
		Customer	Meters & Services	Base Capacity	Peak Capacity	Fire Protection			
Head of the Bay	600 gpm	0.00%	0.00%	43.06%	49.95%	6.99%	0.00%	100.00%	130 gpm Fire, Rest as Supply
Fletcher Bay	590 gpm	0.00%	0.00%	43.06%	49.95%	6.99%	0.00%	100.00%	130 gpm Fire, Rest as Supply
Sands	620 gpm	0.00%	0.00%	43.06%	49.95%	6.99%	0.00%	100.00%	130 gpm Fire, Rest as Supply
Commodore	50 gpm	0.00%	0.00%	43.06%	49.95%	6.99%	0.00%	100.00%	130 gpm Fire, Rest as Supply
TOTAL PUMPING	**1,860 gpm**	**0.00%**	**0.00%**	**43.06%**	**49.95%**	**6.99%**	**0.00%**	**100.00%**	

[a] 2017 Water System Plan Table 5.5 (Firm, Reliable Booster Pump Capacity)

Allocation of Storage

Function	Million Gallons of Storage	FUNCTIONS OF WATER SERVICE					As All Others	TOTAL	ALLOCATION BASIS
		Customer	Meters & Services	Base Capacity	Peak Capacity	Fire Protection			
Operational Storage [b]	0.1603	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	100.00%	As All Other
Equalizing Storage	0.0933	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	100.00%	All Peak
Standby Storage [c]	0.1335	0.00%	0.00%	46.30%	53.70%	0.00%	0.00%	100.00%	Peak Demand Ratio
Fire Suppression Storage [d]	0.5400	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	100.00%	All Fire
Total Storage: "As all Others" separated	**0.9271**	0.00%	0.00%	6.67%	17.79%	58.25%	17.30%	100.00%	
TOTAL STORAGE		**0.00%**	**0.00%**	**8.06%**	**21.51%**	**70.43%**	-	**100.00%**	

[b] PjM_Hydraulic Model Update & Analysis_2019-0829: Table 2
[c] 2017 Water System Plan Plan: Table 6.8
[d] Specified as .54 MG in Section 6.2.1.3 of the 2017 Water System Plan; WAC 246-290-235 (4) allows fire and standby storage volumes to be nested.

Allocation of Transmission & Distribution

Main Size	Length (ft.) [e]	Replacement Cost per lf. [f]	Estimated Cost	Incremental Fire Cost [g]	FUNCTIONS OF WATER SERVICE				As All Others	TOTAL	ALLOCATION BASIS
					Meters & Services	Base Capacity	Peak Capacity	Fire Protection			
Less than 4-in	5,753	277	$ 1,593,553		0.00%	46.30%	53.70%	0.00%	0.00%	100.00%	Peak Demand Ratio
4-in	25,683	301	7,730,583		0.00%	46.30%	53.70%	0.00%	0.00%	100.00%	Peak Demand Ratio
6-in	35,482	325	11,531,650		0.00%	46.30%	53.70%	0.00%	0.00%	100.00%	Peak Demand Ratio
8-in	144,335	348	48,216,555	3,319,705	0.00%	26.04%	30.21%	43.75%	0.00%	100.00%	Fire Increment
10-in	8,458	372	3,146,376	202,992	0.00%	29.63%	34.37%	36.00%	0.00%	100.00%	Fire Increment
12-in	40,450	394	15,937,300	889,900	0.00%	32.15%	37.29%	30.56%	0.00%	100.00%	Fire Increment
Hydrants			1,365,926		0.00%	0.00%	0.00%	100.00%	0.00%	100.00%	All Fire
Meters & Services			646,099		100.00%	0.00%	0.00%	0.00%	0.00%	100.00%	Meters & Services
TOTAL T&D	**260,161**		**$ 90,168,042**	**$ 4,412,597**	**0.72%**	**31.35%**	**36.37%**	**31.57%**	**0.00%**	**100.00%**	
[f] Table 9.1 of the 2017 Water System Plan			28,463,095	31.6%	0.86%	31.27%	36.28%	31.59%	0.00%		

[e] Table 4.9 and Section 4.3 of the 2017 Water System Plan.
[g] Incremental unit cost times linear feet of pipe at each size

City of Bainbridge Island
Water Rate and SPF Model
Rate Table

Single-Family / Rockaway Residential Rates

	Adopted		With ATB Rate Increases (Including City Utility Tax)					
	2021	2022	2023 (Jan-May)	2023 (Jun-Dec)	2024	2025	2026	2027
Monthly Fixed Charge								
3/4" x 3/4"	$12.45	$12.70	$13.98	$15.87	$19.84	$24.80	$31.00	$38.75
1"	$24.55	$25.04	$27.57	$31.30	$39.13	$48.91	$61.13	$76.42
1-1/2"	$44.75	$45.65	$50.26	$57.06	$71.33	$89.16	$111.45	$139.31
Water Consumption Charge per 100 Cubic Feet								
Block 1 (0 - 5 ccf)	$1.26	$1.29	$1.42	$1.61	$2.02	$2.52	$3.15	$3.94
Block 2 (5 - 12 ccf)	$2.03	$2.07	$2.28	$2.59	$3.24	$4.04	$5.06	$6.32
Block 3 (12 - 30 ccf)	$2.88	$2.94	$3.24	$3.68	$4.60	$5.75	$7.18	$8.98
Block 4 (30 ccf +)	$3.92	$4.00	$4.40	$5.00	$6.24	$7.81	$9.76	$12.20
	$22.81	$23.29	$25.64	$29.10	$36.42	$45.48	$56.87	$71.09

Multi-Family Residential Rates

	Adopted		With ATB Rate Increases (Including City Utility Tax)					
	2021	2022	2023 (Jan-May)	2023 (Jun-Dec)	2024	2025	2026	2027
Monthly Fixed Charge								
3/4" x 3/4"	$5.38	$5.49	$6.04	$6.86	$8.57	$10.71	$13.39	$16.74
1"	$5.38	$5.49	$6.04	$6.86	$8.57	$10.71	$13.39	$16.74
1-1/2"	$5.38	$5.49	$6.04	$6.86	$8.57	$10.71	$13.39	$16.74
2"	$5.38	$5.49	$6.04	$6.86	$8.57	$10.71	$13.39	$16.74
3"	$5.38	$5.49	$6.04	$6.86	$8.57	$10.71	$13.39	$16.74
4"	$5.38	$5.49	$6.04	$6.86	$8.57	$10.71	$13.39	$16.74
6"	$5.38	$5.49	$6.04	$6.86	$8.57	$10.71	$13.39	$16.74
Water Consumption Charge per 100 Cubic Feet								
Winter Consumption	$1.11	$1.13	$1.24	$1.41	$1.76	$2.20	$2.75	$3.44
Summer Consumption	$1.11	$1.13	$1.24	$1.41	$1.76	$2.20	$2.75	$3.44

Commercial Rates

	Adopted		With ATB Rate Increases (Including City Utility Tax)					
	2021	2022	2023 (Jan-May)	2023 (Jun-Dec)	2024	2025	2026	2027
Monthly Fixed Charge								
3/4" x 3/4"	$16.33	$16.66	$18.34	$20.82	$26.03	$32.53	$40.67	$50.83
1"	$36.12	$36.84	$40.56	$46.05	$57.56	$71.95	$89.94	$112.42
1-1/2"	$69.25	$70.64	$77.77	$88.29	$110.37	$137.96	$172.45	$215.56
2"	$108.69	$110.86	$122.06	$138.58	$173.22	$216.53	$270.66	$338.33
3"	$214.25	$218.54	$240.61	$273.17	$341.47	$426.83	$533.54	$666.92
4"	$333.00	$339.66	$373.97	$424.58	$530.72	$663.41	$829.26	$1,036.57
6"	$662.87	$676.13	$744.42	$845.16	$1,056.45	$1,320.57	$1,650.71	$2,063.39
Water Consumption Charge per 100 Cubic Feet								
Winter Consumption	$1.54	$1.57	$1.73	$1.96	$2.46	$3.07	$3.84	$4.80
Summer Consumption	$1.54	$1.57	$1.73	$1.96	$2.46	$3.07	$3.84	$4.80

Irrigation Rates

	Adopted		With ATB Rate Increases (Including City Utility Tax)					
	2021	2022	2023 (Jan-May)	2023 (Jun-Dec)	2024	2025	2026	2027
Monthly Fixed Charge								
3/4" x 3/4"	$4.09	$4.17	$4.59	$5.21	$6.51	$8.14	$10.18	$12.72
1"	$5.38	$5.49	$6.04	$6.86	$8.57	$10.71	$13.39	$16.74
1-1/2"	$7.53	$7.68	$8.46	$9.60	$12.01	$15.01	$18.76	$23.45
2"	$10.13	$10.33	$11.37	$12.91	$16.14	$20.17	$25.21	$31.52
3"	$17.00	$17.34	$19.09	$21.67	$27.09	$33.86	$42.33	$52.91
4"	$24.75	$25.25	$27.80	$31.56	$39.45	$49.32	$61.64	$77.06
6"	$46.28	$47.21	$51.98	$59.01	$73.77	$92.21	$115.26	$144.08
Water Consumption Charge per 100 Cubic Feet								
Winter Consumption	$3.37	$3.44	$3.79	$4.30	$5.38	$6.72	$8.40	$10.51
Summer Consumption	$3.37	$3.44	$3.79	$4.30	$5.38	$6.72	$8.40	$10.51

Projected Revenue

Single-Family / Rockaway	$ 335,229	$ 532,835	$ 1,167,030	$ 1,491,066	$ 1,905,107	$ 2,434,164
Multi-Family	77,162	122,646	265,441	335,119	423,088	534,148
Commercial	95,593	151,942	325,589	406,986	508,733	635,916
Irrigation	45,934	73,011	160,050	204,664	261,714	334,667
Total	$ 553,918	$ 880,433	$ 1,918,110	$ 2,437,835	$ 3,098,642	$ 3,938,896
Check: Revenue Requirement		*$ 1,434,351*	*$ 1,918,110*	*$ 2,437,835*	*$ 3,098,642*	*$ 3,938,896*
Difference		$ -	$ -	$ -	$ -	$ -

Historical CPI -Seattle-Tacoma-Bellevue

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Avg.	% Annual Avg	% June to June Avg
2004		194		194		195		195		197		195	195		
2005		198		201		200		200		203		201	200	2.86%	2.30%
2006		204		207		208		210		210		209	208	3.75%	4.20%
2007		212		216		216		216		218		219	216	3.88%	3.51%
2008		222		223		228		228		226		223	225	4.08%	5.83%
2009		225		226		227		227		226		226	226	0.57%	-0.36%
2010		226		227		226		228		227		227	227	0.26%	-0.50%
2011		229		231		233		234		236		235	233	2.80%	3.15%
2012		236		238		240		240		241		238	239	2.44%	2.70%
2013		240		241		243		243		243		241	242	1.21%	1.37%
2014		243		247		248		247		248		245	246	1.86%	1.99%
2015		245		248		252		252		251		250	250	1.38%	1.61%
2016		251		254		256		257		257		257	255	2.27%	1.78%
2017		260		262		264		263		265		266	263	3.08%	2.99%
2018		268		270		272		272		273		273	271	3.15%	3.28%
2019		275		277		279		280		279		279	278	2.50%	2.29%
2020		282		280		281		285		285		283	283	1.64%	0.87%
2021		287		290		297		300		303		305	297	5.00%	5.52%
2022		310		317		327		327		330		330	323	8.95%	10.14%

10-Year Average June to June
3.18%

5-Year Annual Average
4.25%

10-Year Annual Average
3.10%

Construction Cost Index - 20-City Average

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Average
2002	6,462	6,462	6,502	6,480	6,512	6,532	6,605	6,592	6,589	6,579	6,578	6,563	6,538
2003	6,581	6,640	6,627	6,635	6,642	6,694	6,696	6,733	6,741	6,771	6,794	6,782	6,695
2004	6,825	6,861	6,957	7,017	7,064	7,109	7,126	7,188	7,298	7,314	7,312	7,308	7,115
2005	7,297	7,298	7,309	7,355	7,398	7,415	7,422	7,479	7,540	7,563	7,630	7,647	7,446
2006	7,660	7,689	7,692	7,695	7,691	7,700	7,721	7,723	7,763	7,883	7,911	7,888	7,751
2007	7,880	7,880	7,856	7,856	7,942	7,939	7,959	8,007	8,050	8,045	8,092	8,089	7,966
2008	8,090	8,094	8,109	8,112	8,141	8,185	8,293	8,362	8,557	8,623	8,602	8,551	8,310
2009	8,549	8,533	8,534	8,528	8,574	8,578	8,566	8,564	8,586	8,596	8,592	8,641	8,570
2010	8,660	8,672	8,671	8,677	8,761	8,805	8,865	8,858	8,857	8,921	8,951	8,952	8,804
2011	8,938	8,998	9,011	9,027	9,035	9,053	9,080	9,088	9,116	9,147	9,173	9,172	9,070
2012	9,176	9,198	9,268	9,273	9,290	9,291	9,324	9,351	9,341	9,376	9,398	9,412	9,308
2013	9,437	9,453	9,456	9,484	9,516	9,542	9,552	9,545	9,552	9,689	9,666	9,668	9,547
2014	9,664	9,681	9,702	9,750	9,796	9,800	9,835	9,846	9,870	9,886	9,912	9,936	9,807
2015	9,972	9,962	9,972	9,992	9,975	10,036	10,037	10,039	10,065	10,128	10,092	10,135	10,034
2016	10,133	10,182	10,242	10,280	10,315	10,337	10,379	10,386	10,403	10,435	10,443	10,531	10,339
2017	10,542	10,559	10,667	10,678	10,692	10,703	10,789	10,826	10,823	10,817	10,870	10,873	10,737
2018	10,878	10,889	10,959	10,972	11,013	11,069	11,116	11,124	11,170	11,183	11,184	11,186	11,062
2019	11,206	11,213	11,228	11,228	11,230	11,268	11,293	11,311	11,311	11,326	11,381	11,381	11,281
2020	11,392	11,396	11,397	11,413	11,418	11,436	11,439	11,455	11,499	11,539	11,579	11,626	11,466
2021	11,628	11,699	11,750	11,849	11,990	12,112	12,237	12,463	12,464	12,464	12,647	12,481	12,149
2022	12,556	12,684	12,791	12,899	13,004	13,111	13,168	13,171	13,173	13,175	13,175	13,175	13,007

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Average
2003	1.84%	2.75%	1.92%	2.39%	2.00%	2.48%	1.38%	2.14%	2.31%	2.92%	3.28%	3.34%	2.40%
2004	3.71%	3.33%	4.98%	5.76%	6.35%	6.20%	6.42%	6.76%	8.26%	8.02%	7.62%	7.76%	6.28%
2005	6.92%	6.37%	5.06%	4.82%	4.73%	4.30%	4.15%	4.05%	3.32%	3.40%	4.35%	4.64%	4.65%
2006	4.97%	5.36%	5.24%	4.62%	3.96%	3.84%	4.03%	3.26%	2.96%	4.23%	3.68%	3.15%	4.10%
2007	2.87%	2.48%	2.13%	2.09%	3.26%	3.10%	3.08%	3.68%	3.70%	2.06%	2.29%	2.55%	2.77%
2008	2.66%	2.72%	3.22%	3.26%	2.51%	3.10%	4.20%	4.43%	6.30%	7.18%	6.31%	5.72%	4.31%
2009	5.67%	5.42%	5.24%	5.13%	5.32%	4.80%	3.29%	2.41%	0.34%	-0.31%	-0.12%	1.05%	3.13%
2010	1.30%	1.63%	1.61%	1.74%	2.18%	2.64%	3.49%	3.44%	3.16%	3.77%	4.18%	3.60%	2.73%
2011	3.21%	3.76%	3.92%	4.04%	3.12%	2.81%	2.43%	2.60%	2.92%	2.54%	2.49%	2.45%	3.02%
2012	2.66%	2.23%	2.85%	2.72%	2.82%	2.64%	2.68%	2.89%	2.47%	2.50%	2.45%	2.62%	2.63%
2013	2.85%	2.77%	2.03%	2.27%	2.44%	2.70%	2.45%	2.08%	2.25%	3.34%	2.85%	2.71%	2.56%
2014	2.40%	2.41%	2.60%	2.80%	2.94%	2.70%	2.96%	3.15%	3.33%	2.04%	2.54%	2.78%	2.72%
2015	3.19%	2.90%	2.79%	2.49%	1.83%	2.41%	2.06%	1.96%	1.98%	2.45%	1.82%	2.00%	2.32%
2016	1.61%	2.21%	2.70%	2.88%	3.41%	3.00%	3.41%	3.46%	3.36%	3.02%	3.47%	3.91%	3.04%
2017	4.04%	3.70%	4.15%	3.87%	3.65%	3.54%	3.95%	4.24%	4.03%	3.67%	4.09%	3.25%	3.85%
2018	3.19%	3.13%	2.73%	2.75%	3.00%	3.42%	3.03%	2.75%	3.21%	3.39%	2.89%	2.87%	3.03%
2019	3.01%	2.97%	2.46%	2.34%	1.97%	1.81%	1.59%	1.68%	1.26%	1.28%	1.76%	1.75%	1.98%
2020	1.67%	1.63%	1.51%	1.64%	1.68%	1.49%	1.30%	1.27%	1.66%	1.88%	1.74%	2.15%	1.63%
2021	2.07%	2.66%	3.10%	3.83%	5.01%	5.91%	6.98%	8.80%	8.39%	8.02%	9.22%	7.35%	5.96%
2022	7.98%	8.42%	8.87%	8.86%	8.46%	8.24%	7.61%	5.68%	5.69%	5.70%	4.17%	5.56%	7.06%

5-Year Average
3.93%

10-Year Average
3.42%

Local Government Investment Pool

Year	WA	
1997	5.46%	
1998	5.41%	
1999	5.03%	
2000	6.18%	
2001	4.19%	
2002	1.79%	
2003	1.16%	
2004	1.32%	**Ten Year Average**
2005	3.17%	0.84%
2006	4.90%	**Five Year Average**
2007	5.09%	1.32%
2008	2.68%	**Three Year Average**
2009	0.70%	0.80%
2010	0.26%	
2011	0.17%	
2012	0.16%	
2013	0.14%	
2014	0.10%	
2015	0.16%	
2016	0.47%	
2017	0.96%	
2018	1.90%	
2019	2.31%	
2020	0.64%	
2021	0.11%	
2022	1.66%	

Year	ENR	
1890	167	
1907	201	20.13%
1920	201	20.13%
1921	202	0.61%
1922	174	-13.86%
1923	214	22.99%
1924	215	0.47%
1925	207	-3.72%
1926	208	0.48%
1927	206	-0.96%
1928	207	0.49%
1929	207	0.00%
1930	203	-1.93%
1931	181	-10.84%
1932	157	-13.26%
1933	170	8.28%
1934	198	16.47%
1935	196	-1.01%
1936	206	5.10%
1937	235	14.08%
1938	236	0.43%
1939	236	0.00%
1940	242	2.54%
1941	258	6.61%
1942	276	6.98%
1943	290	5.07%
1944	299	3.10%
1945	308	3.01%
1946	346	12.34%
1947	413	19.36%
1948	461	11.62%
1949	477	3.47%
1950	510	6.92%
1951	543	6.47%
1952	569	4.79%
1953	600	5.45%
1954	628	4.67%
1955	660	5.10%
1956	692	4.85%
1957	724	4.62%
1958	759	4.83%
1959	797	5.01%
1960	824	3.39%
1961	847	2.79%
1962	872	2.95%
1963	901	3.33%
1964	936	3.88%
1965	971	3.74%
1966	1,019	4.94%
1967	1,074	5.40%
1968	1,155	7.54%
1969	1,269	9.87%
1970	1,381	8.83%
1971	1,581	14.48%
1972	1,753	10.88%
1973	1,895	8.10%
1974	2,020	6.60%
1975	2,212	9.50%
1976	2,401	8.54%
1977	2,576	7.29%
1978	2,776	7.76%
1979	3,003	8.18%

Bond Buyer Index	
Year	Annual Average
1907	2.39%
1920	2.39%
1921	2.39%
1922	2.39%
1923	2.39%
1924	2.39%
1925	2.39%
1926	2.39%
1927	2.39%
1928	2.39%
1929	2.39%
1930	2.39%
1931	2.39%
1932	2.39%
1933	2.39%
1934	2.39%
1935	2.39%
1936	2.39%
1937	2.39%
1938	2.39%
1939	2.39%
1940	2.39%
1941	2.39%
1942	2.39%
1943	2.39%
1944	2.39%
1945	2.39%
1946	2.39%
1947	2.39%
1948	2.39%
1949	2.39%
1950	2.39%
1951	2.39%
1952	2.39%
1953	2.74%
1954	2.39%
1955	2.48%
1956	2.76%
1957	3.28%
1958	3.16%
1959	3.56%
1960	3.52%
1961	3.45%
1962	3.15%
1963	3.17%
1964	3.21%
1965	3.26%
1966	3.81%
1967	3.94%
1968	4.45%
1969	5.72%
1970	6.33%
1971	5.47%
1972	5.26%
1973	5.19%
1974	6.17%
1975	7.05%
1976	6.64%
1977	5.68%
1978	6.02%
1979	6.52%

1980	3,237	7.79%
1981	3,535	9.21%
1982	3,825	8.20%
1983	4,066	6.30%
1984	4,146	1.97%
1985	4,195	1.18%
1986	4,295	2.38%
1987	4,406	2.58%
1988	4,519	2.56%
1989	4,615	2.12%
1990	4,732	2.54%
1991	4,835	2.18%
1992	4,985	3.10%
1993	5,210	4.53%
1994	5,408	3.78%
1995	5,471	1.18%
1996	5,622	2.76%
1997	5,825	3.61%
1998	5,920	1.64%
1999	6,060	2.35%
2000	6,221	2.67%
2001	6,342	1.94%
2002	6,538	3.09%
2003	6,695	2.40%
2004	7,115	6.28%
2005	7,446	4.65%
2006	7,751	4.10%
2007	7,966	2.77%
2008	8,310	4.31%
2009	8,570	3.13%
2010	8,804	2.73%
2011	9,070	3.02%
2012	9,308	2.63%
2013	9,547	2.56%
2014	9,807	2.72%
2015	10,034	2.32%
2016	10,339	3.04%
2017	10,737	3.85%
2018	11,062	3.03%
2019	11,281	1.98%
2020	11,466	1.63%
2021	12,149	5.96%
2022	13,007	7.06%
2023	13,451	3.42%
2024	13,911	3.42%
2025	14,386	3.42%
2026	14,877	3.42%
2027	15,385	3.42%
2028	15,911	3.42%
2029	16,454	3.42%
2030	17,016	3.42%
2031	17,598	3.42%
2032	18,199	3.42%
2033	18,820	3.42%
2034	19,463	3.42%
2035	20,128	3.42%
2036	20,816	3.42%
2037	21,527	3.42%
2038	22,262	3.42%
2039	23,022	3.42%
2040	23,809	3.42%
2041	24,622	3.42%
2042	25,463	3.42%

Five Year Average
3.93%

Ten Year Average
3.42%

1980	8.59%
1981	11.33%
1982	11.66%
1983	9.51%
1984	10.10%
1985	9.10%
1986	7.32%
1987	7.64%
1988	7.68%
1989	7.23%
1990	7.27%
1991	6.92%
1992	6.44%
1993	5.60%
1994	6.18%
1995	5.95%
1996	5.76%
1997	5.52%
1998	5.09%
1999	5.43%
2000	5.71%
2001	5.15%
2002	5.04%
2003	4.75%
2004	4.68%
2005	4.40%
2006	4.40%
2007	4.40%
2008	4.86%
2009	4.62%
2010	4.29%
2011	4.51%
2012	3.73%
2013	4.27%
2014	4.23%
2015	3.66%
2016	3.25%
2017	3.67%
2018	3.96%
2019	3.42%
2020	2.32%
2021	2.19%
2022	3.25%

APPENDIX B
SEWER RATE & SPF MODEL

City of Bainbridge Island
Sewer Rate and SPF Model
Summary

Revenue Requirement	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Revenues										
Rate Revenues Under Existing Rates	$ 4,037,128	$ 4,540,916	$ 4,639,811	$ 4,741,585	$ 4,846,337	$ 4,954,172	$ 5,024,052	$ 5,043,955	$ 5,043,955	$ 5,043,955
Non-Rate Revenues	280,127	292,138	313,634	331,002	350,157	370,462	372,263	372,263	372,263	372,263
Total Revenues	**$ 4,317,255**	**$ 4,833,055**	**$ 4,953,445**	**$ 5,072,587**	**$ 5,196,495**	**$ 5,324,634**	**$ 5,396,315**	**$ 5,416,217**	**$ 5,416,217**	**$ 5,416,217**
Expenses										
Cash Operating Expenses	$ 3,272,935	$ 3,391,444	$ 3,605,099	$ 3,751,440	$ 3,881,917	$ 4,017,623	$ 4,092,323	$ 4,158,897	$ 4,255,555	$ 4,374,347
Existing Debt Service	974,381	996,851	1,717,977	1,685,562	1,453,603	1,739,835	1,713,618	1,661,909	1,635,736	1,284,507
New Debt Service	-	-	-	-	-	-	-	-	-	-
Rate Funded System Reinvestment	-	-	-	34,972	366,674	185,779	322,850	438,462	477,805	822,267
Total Expenses	**$ 4,247,316**	**$ 4,388,295**	**$ 5,323,076**	**$ 5,471,975**	**$ 5,702,195**	**$ 5,943,238**	**$ 6,128,791**	**$ 6,259,269**	**$ 6,369,096**	**$ 6,481,120**
Net Surplus (Deficiency)	**$ 69,939**	**$ 444,760**	**$ (369,631)**	**$ (399,388)**	**$ (505,700)**	**$ (618,603)**	**$ (732,475)**	**$ (843,051)**	**$ (952,879)**	**$ (1,064,903)**
Additions to Meet Coverage	-	-	-	-	-	-	-	-	-	-
Total Surplus (Deficiency)	**$ 69,939**	**$ 444,760**	**$ (369,631)**	**$ (399,388)**	**$ (505,700)**	**$ (618,603)**	**$ (732,475)**	**$ (843,051)**	**$ (952,879)**	**$ (1,064,903)**
% of Rate Revenue	**0.00%**	**0.00%**	**7.97%**	**8.42%**	**10.43%**	**12.49%**	**14.58%**	**16.71%**	**18.89%**	**21.11%**
Annual Rate Adjustment	**0.00%**	**0.00%**	**7.00%**	**2.00%**	**2.00%**	**2.00%**	**2.00%**	**2.00%**	**2.00%**	**2.00%**
Cumulative Annual Rate Adjustment	**0.00%**	**0.00%**	**7.00%**	**9.14%**	**11.32%**	**13.55%**	**15.82%**	**18.14%**	**20.50%**	**22.91%**
Rate Revenues After Rate Increase	$ 4,037,128	$ 4,540,916	$ 4,964,598	$ 5,174,966	$ 5,395,078	$ 5,625,426	$ 5,818,870	$ 5,958,759	$ 6,077,934	$ 6,199,493
Additional In-Lieu of Taxes from Rate Increase	$ -	$ -	$ 25,475	$ 33,992	$ 43,041	$ 52,650	$ 62,342	$ 71,753	$ 81,101	$ 90,635
Net Cash Flow After Rate Increase	**$ 69,939**	**$ 444,760**	**$ (70,319)**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
Coverage After Rate Increases	**4.36**	**5.71**	**6.46**	**6.65**	**6.85**	**7.19**	**7.41**	**7.60**	**7.57**	**n/a**
Sample Residential Monthly Bill (Single Family, 4 ccf)	**$ 95.55**	**$ 95.55**	**$ 102.24**	**$ 104.28**	**$ 106.37**	**$ 108.50**	**$ 110.67**	**$ 112.88**	**$ 115.14**	**$ 117.44**
Monthly Average Increase ($)		*$ -*	*$ 6.69*	*$ 2.04*	*$ 2.09*	*$ 2.13*	*$ 2.17*	*$ 2.21*	*$ 2.26*	*$ 2.30*

City of Bainbridge Island
Sewer Rate and SPF Model
Summary

Fund Balance	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
OPERATING FUND										
Beginning Balance	$ 600,000	$ 700,000	$ 1,144,760	$ 1,074,440	$ 1,074,440	$ 1,074,440	$ 1,074,440	$ 1,074,440	$ 1,074,440	$ 1,074,440
plus: Net Cash Flow after Rate Increase	69,939	444,760	(70,319)	-	-	-	-	-	-	-
less: Transfer of Surplus to Capital Fund	-	-	-	-	-	-	-	-	-	-
Ending Balance	**$ 669,939**	**$ 1,144,760**	**$ 1,074,440**	**$ 1,074,440**	**$ 1,074,440**	**$ 1,074,440**	**$ 1,074,440**	**$ 1,074,440**	**$ 1,074,440**	**$ 1,074,440**
O&M Target Balance	*$ 538,017*	*$ 557,498*	*$ 592,619*	*$ 616,675*	*$ 638,123*	*$ 660,431*	*$ 672,711*	*$ 683,654*	*$ 699,543*	*$ 719,071*
Days	*75*	*123*	*109*	*105*	*101*	*98*	*96*	*94*	*92*	*90*
CAPITAL										
Beginning Balance	$ 4,547,220	$ 4,114,000	$ 4,871,134	$ 6,962,831	$ 395,746	$ 718,045	$ 483,421	$ 927,372	$ 1,167,133	$ 1,178,805
plus: Rate Funded System Reinvestment	-	-	-	34,972	366,674	185,779	322,850	438,462	477,805	822,267
plus: Transfers from Operating Fund	-	-	-	-	-	-	-	-	-	-
plus: Grants/ Donations/ CIAC	-	-	-	-	-	-	-	-	-	-
plus: Additional Proceeds (Costs)	-	2,500,000	6,100,000	-	-	5,200,000	-	-	-	-
plus: System Participation Fee Revenue	232,524	1,170,994	1,206,607	1,243,509	1,281,753	1,321,394	816,267	230,488	-	-
less: System Participation Fee Revenue Towards Debt	-	-	-	-	-	-	-	-	-	-
plus: Revenue Bond Proceeds	-	-	-	-	-	-	-	-	-	-
plus: PWTF Loans Proceeds	-	-	-	-	-	-	-	-	-	-
plus: Other Loan Proceeds	-	-	-	-	-	-	-	-	-	-
plus: Interest Earnings	66,578	41,140	48,711	69,628	3,957	7,180	4,834	9,274	11,671	11,788
Total Funding Sources	**$ 4,846,323**	**$ 7,826,134**	**$ 12,268,831**	**$ 8,402,746**	**$ 2,139,045**	**$ 7,522,421**	**$ 1,627,372**	**$ 1,605,596**	**$ 1,656,610**	**$ 2,012,860**
less: Capital Expenditures	(10,000)	(2,955,000)	(5,306,000)	(8,007,000)	(1,421,000)	(7,039,000)	(700,000)	(438,462)	(477,805)	(822,267)
Ending Working Capital Balance	**$ 4,836,323**	**$ 4,871,134**	**$ 6,962,831**	**$ 395,746**	**$ 718,045**	**$ 483,421**	**$ 927,372**	**$ 1,167,133**	**$ 1,178,805**	**$ 1,190,593**
Minimum Target Balance	*$ 193,648*	*$ 223,198*	*$ 276,258*	*$ 356,328*	*$ 370,538*	*$ 440,928*	*$ 447,928*	*$ 452,313*	*$ 457,091*	*$ 465,313*
COMBINED BEGINNING FUND BALANCE	**$ 5,147,220**	**$ 4,814,000**	**$ 6,015,893**	**$ 8,037,271**	**$ 1,470,186**	**$ 1,792,485**	**$ 1,557,861**	**$ 2,001,812**	**$ 2,241,574**	**$ 2,253,245**
COMBINED ENDING FUND BALANCE	**$ 5,506,262**	**$ 6,015,893**	**$ 8,037,271**	**$ 1,470,186**	**$ 1,792,485**	**$ 1,557,861**	**$ 2,001,812**	**$ 2,241,574**	**$ 2,253,245**	**$ 2,265,033**
Combined Days	*614*	*647*	*816*	*143*	*169*	*142*	*179*	*197*	*193*	*189*
Total Combined Ending Fund Balance Target	*$ 731,665*	*$ 780,696*	*$ 868,877*	*$ 973,003*	*$ 1,008,661*	*$ 1,101,359*	*$ 1,120,639*	*$ 1,135,967*	*$ 1,156,634*	*$ 1,184,384*

City of Bainbridge Island
Sewer Rate and SPF Model
Assumptions

Economic & Financial Factors	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
General Cost Inflation	8.00%	8.00%	7.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Construction Cost Inflation	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Labor Cost Inflation	8.00%	8.00%	7.00%	6.00%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%
Benefit Cost Inflation	8.00%	8.00%	7.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%	4.00%
General Inflation plus Composite Growth	10.69%	10.71%	9.70%	4.60%	4.61%	4.63%	3.51%	2.38%	2.00%	2.00%
Customer Growth	**2.49%**	**2.51%**	**2.53%**	**2.55%**	**2.56%**	**2.58%**	**1.48%**	**0.38%**	**0.00%**	**0.00%**
Single-Family Account Growth	3.20%	3.20%	3.20%	3.20%	3.20%	3.20%	1.84%	0.41%	0.00%	0.00%
Multi-Family Account Growth	1.30%	1.30%	1.30%	1.30%	1.30%	1.30%	1.30%	0.41%	0.00%	0.00%
Commercial Account Growth	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.41%	0.00%	0.00%
South Island Sewer Account Growth	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	0.50%	0.00%	0.00%	0.00%
Demand Growth										
Single-Family Demand Growth	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family Demand Growth	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Commercial Demand Growth	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
South Island Sewer Demand Growth	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
No Escalation	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Investment Interest	1.46%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
Excise Taxes	3.852%	3.852%	3.852%	3.852%	3.852%	3.852%	3.852%	3.852%	3.852%	3.852%
Treatment/Transmission Share	95.55%	95.55%	95.55%	95.55%	95.55%	95.55%	95.55%	95.55%	95.55%	95.55%
Net Sewer Tax	1.84%	1.84%	1.84%	1.84%	1.84%	1.84%	1.84%	1.84%	1.84%	1.84%
B&O Taxes	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%	1.75%
City Taxes	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%

Accounting Assumptions		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
FISCAL POLICY RESTRICTIONS											
Min. Op. Fund Balance Target (days of O&M expense)		60	60	60	60	60	60	60	60	60	60
Max. Op. Fund Balance (days of O&M expense)		90	90	90	90	90	90	90	90	90	90
Minimum Capital Fund Balance Target											
Select Minimum Capital Fund Balance Target	1	**Defined as % of Plant Net Book Value**									
1 - Defined as % of Plant	Estimated Assets										
Plant Net Book Value in 2021	$ 19,354,795	$ 193,550	$ 194,148	$ 195,269	$ 196,930	$ 197,214	$ 198,622	$ 198,762	$ 198,850	$ 198,945	$ 199,110
Minimum Capital Fund Balance - % of plant assets		1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
2 - Amount at Right ==>		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
RATE FUNDED SYSTEM REINVESTMENT											
Select Reinvestment Funding Strategy	3	**User Input**									
Amount of Annual Cash Funding from Rates											
1 - Equal to Annual Depreciation Expense		$ 975,197	$ 975,397	$ 1,035,164	$ 1,147,284	$ 1,313,424	$ 1,341,844	$ 1,482,624	$ 1,496,624	$ 1,505,393	$ 1,514,950
2 - Equal to Annual Depreciation Expense less Annual Debt Principal Paymer		-	-	-	-	153,916	113,385	249,165	283,599	287,368	616,924
3 - Equal to Amount at Right ==>		$ -	$ -	$ -	$ 34,972	$ 366,674	$ 185,779	$ 322,850	$ 438,462	$ 477,805	$ 822,267
	% Phase-In	0.00%	0.00%	0.00%	3.05%	27.92%	13.85%	21.78%	29.30%	31.74%	54.28%
4 - Do Not Fund System Reinvestment			$ 444,760	$ (70,319)	$ -	$ -	$ -	$ -	$ -	$ -	$ -

City of Bainbridge Island
Sewer Rate and SPF Model
Assumptions

Capital Financing Assumptions		2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
									$ 390,786	$ 374,897	$ 355,370
System Participation Fees											
Residential		**$8,187**	$12,884	$12,884	$12,884	$12,884	$12,884	$12,884	$12,884	$12,884	$12,884
Multi Family per Dwelling Unit		**$5,079**	$7,993	$7,993	$7,993	$7,993	$7,993	$7,993	$7,993	$7,993	$7,993
Commercial per ERU		**$8,187**	$12,884	$12,884	$12,884	$12,884	$12,884	$12,884	$12,884	$12,884	$12,884
South Island Sewer		**$3,751**	$5,694	$5,694	$5,694	$5,694	$5,694	$5,694	$5,694	$5,694	$5,694
Residential Customers		1,938	2,000	2,064	2,130	2,198	2,269	2,311	2,320	2,320	2,320
Annual New Connections			62	64	66	68	70	42	9	-	-
Multi-Family Dwelling Units		1,566	1,586	1,607	1,627	1,649	1,670	1,692	1,699	1,699	1,699
Annual New Connections			20	21	21	21	21	22	7	-	-
Commercial ERUs		968	974	981	988	995	1,002	1,009	1,013	1,013	1,013
Annual New Connections			7	7	7	7	7	7	4	-	-
South Island Sewer ERUs		357	378	401	425	451	478	480	480	480	480
Annual New Connections			21	23	24	26	27	2	-	-	-
Total New Connections			111	114	118	122	126	73	21	-	-
Residential % of Total			56%	56%	56%	56%	56%	57%	46%		
System Participation Fee Revenues	$ 283,493	$ 232,524	$ 1,170,994	$ 1,206,607	$ 1,243,509	$ 1,281,753	$ 1,321,394	$ 816,267	$ 230,488	$ -	$ -
FUNDING SOURCES											
Grants		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Additional Proceeds (Costs)											
Interfund Loan from Water Fund		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Eagle Harbor Sewer Upgrades (PC22-96103-057)		-	2,500,000	-	-	-	-	-	-	-	-
G.O. Bond		-	-	6,100,000	-	-	5,200,000	-	-	-	-
[Extra]		-	-	-	-	-	-	-	-	-	-
Total Additional Proceeds		$ -	$ 2,500,000	$ 6,100,000	$ -	$ -	$ 5,200,000	$ -	$ -	$ -	$ -
REVENUE BONDS											
Term (years)		20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years
Interest Only Payments		0 Years	0 Years	2 Years	0 Years	0 Years	0 Years	0 Years	0 Years	0 Years	0 Years
Interest Rate		4.00%	4.00%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%
Issuance Cost		2.00%	2.00%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
Revenue Bond Coverage Requirement	**1.25**										
Use Reserves to Pay for Last Payment	**No**										
PWTF LOANS											
Term		20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years
Interest Rate		0.94%	0.94%	0.94%	0.94%	0.94%	0.94%	0.94%	0.94%	0.94%	0.94%
OTHER LOANS											
Term (years)		20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years	20 Years
Interest Rate		2.50%	2.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%	4.50%
Issuance Cost		1.00%	1.00%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%

City of Bainbridge Island
Sewer Rate and SPF Model
Operating Revenue and Expenditure Forecast

Revenues		FORECAST BASIS	Budget 2022	Forecast 2023	Forecast 2024	Forecast 2025	Forecast 2026	Forecast 2027	Forecast 2028	Forecast 2029	Forecast 2030	Forecast 2031
Acct. #	**Rate Revenue**											
	Single-Family Service Charges	Customer Growth	$ 1,841,907	$ 2,092,843	$ 2,159,814	$ 2,228,928	$ 2,300,253	$ 2,373,862	$ 2,417,609	$ 2,427,508	$ 2,427,508	$ 2,427,508
	Multi-Family Service Charges	Customer Growth	1,190,957	1,328,221	1,345,488	1,362,979	1,380,698	1,398,647	1,416,830	1,422,631	1,422,631	1,422,631
	Non-Residential Service Charges	Customer Growth	894,041	991,216	998,155	1,005,142	1,012,178	1,019,263	1,026,398	1,030,600	1,030,600	1,030,600
	South Island Service Charges	Customer Growth	110,224	128,636	136,355	144,536	153,208	162,400	163,216	163,216	163,216	163,216
	Tota Rate Revenue		**$ 4,037,128**	**$ 4,540,916**	**$ 4,639,811**	**$ 4,741,585**	**$ 4,846,337**	**$ 4,954,172**	**$ 5,024,052**	**$ 5,043,955**	**$ 5,043,955**	**$ 5,043,955**
	Non Rate Revenue											
343200	Engineering Fees	No Escalation	$ 355	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
343420	Water Sales - Conn/Inspect Fees	No Escalation	2,777	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
343590	Sewer Misc Revenue	No Escalation	155	-	-	-	-	-	-	-	-	-
361510	Penalties on Cap Assessments	No Escalation	-	-	-	-	-	-	-	-	-	-
361550	Interest on Cap Assessments	No Escalation	-	-	-	-	-	-	-	-	-	-
368100	Spec Assess Prin Capital	No Escalation	-	-	-	-	-	-	-	-	-	-
361110	Investment Interest	[Calculated]	8,785	7,000	11,448	10,744	10,744	10,744	10,744	10,744	10,744	10,744
341810	Plans/Specs/Copies/Printing	No Escalation	-	-	-	-	-	-	-	-	-	-
379002	Swr Participation-So Isl Swr	No Escalation	-	-	-	-	-	-	-	-	-	-
	KCSD #7 Pass-Through Revenue	SIS Account Growth	268,055	284,138	301,186	319,257	338,413	358,718	360,518	360,518	360,518	360,518
	[Extra]	No Escalation	-	-	-	-	-	-	-	-	-	-
	Total Non Rate Revenue		**$ 280,127**	**$ 292,138**	**$ 313,634**	**$ 331,002**	**$ 350,157**	**$ 370,462**	**$ 372,263**	**$ 372,263**	**$ 372,263**	**$ 372,263**
TOTAL REVENUES			**$ 4,317,255**	**$ 4,833,055**	**$ 4,953,445**	**$ 5,072,587**	**$ 5,196,495**	**$ 5,324,634**	**$ 5,396,315**	**$ 5,416,217**	**$ 5,416,217**	**$ 5,416,217**

Expenses		FORECAST BASIS	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
553000	State Excise Tax	[Calculated]	$ 80,568	$ 104,223	$ 106,670	$ 109,192	$ 111,792	$ 114,474	$ 106,923	$ 97,038	$ 93,005	$ 93,005
554000	City Tax	[Calculated]	289,664	360,243	369,603	378,966	388,695	398,762	372,755	338,802	324,973	324,973
	Budget Expenses											
443410	Training	Labor Cost Inflation	5,510	5,951	6,368	6,750	7,037	7,336	7,647	7,972	8,311	8,664
510000	Salary	Labor Cost Inflation	889,603	885,487	947,471	1,004,320	1,047,003	1,091,501	1,137,890	1,186,250	1,236,666	1,289,224
511000	Salary Overtime	Labor Cost Inflation	48,085	47,009	50,300	53,318	55,584	57,946	60,409	62,976	65,653	68,443
515000	**Salary Temp**	Labor Cost Inflation	19,265	16,748	17,920	18,995	19,802	20,644	21,521	22,436	23,390	24,384
519000	**Staff Separation Buyouts - GG**	Labor Cost Inflation	-	-	-	-	-	-	-	-	-	-
520000	Benefits	Benefit Cost Inflation	356,456	385,833	412,841	429,355	446,529	464,390	482,966	502,285	522,376	543,271
529000	**Staff Separation Buyouts - GG**	Benefit Cost Inflation	-	-	-	-	-	-	-	-	-	-
531100	**Supplies**	General Cost Inflation	187,758	159,770	170,954	174,373	177,861	181,418	185,046	188,747	192,522	196,373
532000	Fuel Consumed	General Cost Inflation	2,118	7,008	7,498	7,648	7,801	7,957	8,116	8,279	8,444	8,613
535100	Computer Software	No Escalation	7,121	2,589	2,589	2,589	2,589	2,589	2,589	2,589	2,589	2,589
539100	Non-Travel Food/Beverages	No Escalation	249	249	249	249	249	249	249	249	249	249
541100	**Professional Services**	General Cost Inflation	313,801	178,819	191,336	195,163	199,066	203,047	207,108	211,251	215,476	219,785
542100	**Telephone/Fax**	General Cost Inflation	22,851	24,679	26,407	26,935	27,473	28,023	28,583	29,155	29,738	30,333
542450	**Community Outreach/Participation**	General Cost Inflation	-	-	-	-	-	-	-	-	-	-
542500	**Postage**	General Cost Inflation	3,478	3,756	4,019	4,100	4,182	4,265	4,351	4,438	4,526	4,617
543100	**Travel Expense - ENG Sewer Admin**	General Cost Inflation	-	-	-	-	-	-	-	-	-	-
544000	**Advertising**	General Cost Inflation	47	50	54	55	56	57	58	60	61	62
545000	**Rents & Leases - Operating**	General Cost Inflation	11,566	5,951	6,368	6,495	6,625	6,758	6,893	7,031	7,171	7,315
545500	**Rents - Interfund**	General Cost Inflation	70,005	75,606	80,898	82,516	84,166	85,850	87,567	89,318	91,104	92,926
546000	**Insurance**	General Cost Inflation	53,564	57,849	61,898	63,136	64,399	65,687	67,001	68,341	69,708	71,102
547100	**Utilities - Electric**	General Cost Inflation	138,423	103,954	111,231	113,455	115,724	118,039	120,400	122,807	125,264	127,769
547400	**Utilities - SSWM Fees**	General Cost Inflation	3,876	4,186	4,479	4,569	4,660	4,753	4,848	4,945	5,044	5,145
547500	**Utilities - BI Water/Sewer**	General Cost Inflation	12,573	13,579	14,530	14,820	15,117	15,419	15,728	16,042	16,363	16,690
547900	**Utilities - WWTP Garbage**	General Cost Inflation	5,803	6,267	6,705	6,840	6,976	7,116	7,258	7,403	7,551	7,702
547901	**Biosolids Waste Disposal**	General Cost Inflation	178,368	192,637	206,122	210,245	214,449	218,738	223,113	227,575	232,127	236,769
548100	**Repairs**	General Cost Inflation	272,288	161,182	172,465	175,914	179,432	183,021	186,681	190,415	194,223	198,108
548101	**Repairs-Other**	General Cost Inflation	-	-	-	-	-	-	-	-	-	-
548500	**Computer Support Maintenance**	General Cost Inflation	1,703	1,839	1,968	2,007	2,047	2,088	2,130	2,172	2,216	2,260
549100	**Dues, Subscriptions & Memberships**	General Cost Inflation	1,720	1,857	1,987	2,027	2,068	2,109	2,151	2,194	2,238	2,283
549400	**Settlements & Judgements**	General Cost Inflation	-	-	-	-	-	-	-	-	-	-
549800	**WWTP Permits - COBI or Outside Agency**	General Cost Inflation	5,198	6,948	7,435	7,583	7,735	7,890	8,047	8,208	8,372	8,540
549900	**Service-Other Misc**	General Cost Inflation	-	-	-	-	-	-	-	-	-	-
551000	**Intergovernmental Prof Svcs**	[Calculated]	291,275	284,138	301,186	319,257	338,413	358,718	360,518	360,518	360,518	360,518
	Additional FTEs											
	WWTP Supervisor Salary (1FTE Sewer Sh	Labor Cost Inflation	-	98,557	105,456	111,784	116,535	121,487	126,651	132,033	137,645	143,495
	WWTP Supervisor Benefits (1FTE Sewer S	Benefit Cost Inflation	-	39,423	42,183	43,870	45,625	47,450	49,348	51,322	53,374	55,509
	Admin III Salary (1 FTE Sewer Share)	Labor Cost Inflation	-	26,308	28,149	29,838	31,106	32,428	33,806	35,243	36,741	38,302
	Admin III Benefits (1FTE Sewer Share)	Benefit Cost Inflation	-	10,523	11,260	11,710	12,178	12,666	13,172	13,699	14,247	14,817
	Utilities GIS Analyst Salary (1 FTE Water	Labor Cost Inflation	-	31,831	34,059	36,103	37,637	39,237	40,905	42,643	44,455	46,345
	Utilities GIS Analyst Benefits (1 FTE Wate	Benefit Cost Inflation	-	12,733	13,624	14,169	14,735	15,325	15,938	16,575	17,238	17,928
	Maint Tech II Salary (2FTEs Sewer Share)	Labor Cost Inflation	-	52,615	56,298	59,676	62,212	64,856	67,613	70,486	73,482	76,605
	Maint Tech II Benefits (2FTEs Sewer Shar	Benefit Cost Inflation	-	21,046	22,519	23,420	24,357	25,331	26,344	27,398	28,494	29,634
Total Cash O&M Expenditures			**$ 3,272,935**	**$ 3,391,444**	**$ 3,605,099**	**$ 3,751,440**	**$ 3,881,917**	**$ 4,017,623**	**$ 4,092,323**	**$ 4,158,897**	**$ 4,255,555**	**$ 4,374,347**

City of Bainbridge Island
Sewer Rate and SPF Model
Existing Debt Input

Existing Debt Service - Revenue Bonds	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
2021 LTGO Refunding bonds (2011)										
Annual Interest Payment	$ 31,350	$ 28,044	$ 24,681	$ 21,318	$ 17,841	$ 14,364	$ 10,830	$ 7,239	$ 3,648	$ -
Annual Principal Payment	290,000	295,000	295,000	305,000	305,000	310,000	315,000	315,000	320,000	-
Total Annual Payment	$ 321,350	$ 323,044	$ 319,681	$ 326,318	$ 322,841	$ 324,364	$ 325,830	$ 322,239	$ 323,648	$ -
Use of Debt reserve for Debt Service	-	-	-	-	-	-	-	-	-	-
TOTAL REVENUE BONDS										
Annual Interest Payment	$ 31,350	$ 28,044	$ 24,681	$ 21,318	$ 17,841	$ 14,364	$ 10,830	$ 7,239	$ 3,648	$ -
Annual Principal Payment	290,000	295,000	295,000	305,000	305,000	310,000	315,000	315,000	320,000	-
Total Annual Payment	$ 321,350	$ 323,044	$ 319,681	$ 326,318	$ 322,841	$ 324,364	$ 325,830	$ 322,239	$ 323,648	$ -
Use of Debt reserve for Debt Service	-	-	-	-	-	-	-	-	-	-
Annual Debt Reserve Target on Existing Revenue Bon	326,318	326,318	326,318	326,318	325,830	325,830	325,830	323,648	323,648	-

Existing Debt Service - PWTF Loans	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
LID - SIS Constr Loan PW-04-691-002										
Annual Interest Payment	$ 4,463	$ 2,975	$ 1,488	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Annual Principal Payment	297,500	297,500	297,500	-	-	-	-	-	-	-
Total Annual Payment	$ 301,963	$ 300,475	$ 298,988	$ -	$ -	$ -	$ -	$ -	$ -	$ -
WWTP Constr Loan #1 PW-05-691-002										
Annual Interest Payment	$ 4,212	$ 3,159	$ 2,106	$ 1,053	$ -	$ -	$ -	$ -	$ -	$ -
Annual Principal Payment	210,623	210,623	210,623	210,623	-	-	-	-	-	-
Total Annual Payment	$ 214,836	$ 213,783	$ 212,730	$ 211,676	$ -	$ -	$ -	$ -	$ -	$ -
WWTP Constr Loan #2 PW-06-962-004										
Annual Interest Payment	$ 5,000	$ 4,000	$ 3,000	$ 2,000	$ 1,000	$ -	$ -	$ -	$ -	$ -
Annual Principal Payment	200,008	200,008	200,008	200,008	200,008	-	-	-	-	-
Total Annual Payment	$ 205,008	$ 204,008	$ 203,008	$ 202,008	$ 201,008	$ -	$ -	$ -	$ -	$ -
WWTP Design PW-04-691-PRE-108										
Annual Interest Payment	$ 316	$ 211	$ 105	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Annual Principal Payment	21,088	21,088	21,088	-	-	-	-	-	-	-
Total Annual Payment	$ 21,404	$ 21,298	$ 21,193	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Eagle Harbor Sewer Upgrades (PC22-96103-057)										
Annual Interest Payment	$ -	$ 23,500	$ 23,500	$ 22,194	$ 20,889	$ 19,583	$ 18,278	$ 16,972	$ 15,667	$ 14,361
Annual Principal Payment	-	-	138,889	138,889	138,889	138,889	138,889	138,889	138,889	138,889
Total Annual Payment	$ -	$ 23,500	$ 162,389	$ 161,083	$ 159,778	$ 158,472	$ 157,167	$ 155,861	$ 154,556	$ 153,250
TOTAL PWTF LOANS										
Annual Interest Payment	$ 13,991	$ 33,845	$ 30,199	$ 25,248	$ 21,889	$ 19,583	$ 18,278	$ 16,972	$ 15,667	$ 14,361
Annual Principal Payment	729,219	729,219	868,108	549,520	338,897	138,889	138,889	138,889	138,889	138,889
Total Annual Payment	$ 743,210	$ 763,064	$ 898,307	$ 574,768	$ 360,786	$ 158,472	$ 157,167	$ 155,861	$ 154,556	$ 153,250

City of Bainbridge Island
Sewer Rate and SPF Model
Existing Debt Input

Existing Debt Service - Other Loans	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
EHBM Construction PC13-961-046										
Annual Interest Payment	$ 5,102	$ 4,638	$ 4,174	$ 3,711	$ 3,247	$ 2,783	$ 2,319	$ 1,855	$ 1,392	$ 928
Annual Principal Payment	185,532	185,532	185,532	185,532	185,532	185,532	185,532	185,532	185,532	185,532
Total Annual Payment	$ 190,634	$ 190,170	$ 189,707	$ 189,243	$ 188,779	$ 188,315	$ 187,851	$ 187,387	$ 186,924	$ 186,460
EHBM Des PR08-951-104										
Annual Interest Payment	$ 715	$ 613	$ 511	$ 409	$ 307	$ 204	$ 102	$ -	$ -	$ -
Annual Principal Payment	20,434	20,434	20,434	20,434	20,434	20,434	20,434	-	-	-
Total Annual Payment	$ 21,149	$ 21,047	$ 20,945	$ 20,843	$ 20,741	$ 20,638	$ 20,536	$ -	$ -	$ -
GO Bond										
Annual Interest Payment	$ -	$ -	$ 278,680	$ 264,746	$ 250,812	$ 236,878	$ 222,944	$ 209,010	$ 195,076	$ 181,142
Annual Principal Payment	-	-	309,645	309,645	309,645	309,645	309,645	309,645	309,645	309,645
Total Annual Payment	$ -	$ -	$ 588,325	$ 574,391	$ 560,457	$ 546,523	$ 532,589	$ 518,655	$ 504,721	$ 490,787
GO Bond 2										
Annual Interest Payment	$ -	$ -	$ -	$ -	$ -	$ 237,563	$ 225,685	$ 213,807	$ 201,929	$ 190,051
Annual Principal Payment	-	-	-	-	-	263,959	263,959	263,959	263,959	263,959
Total Annual Payment	$ -	$ -	$ -	$ -	$ -	$ 501,523	$ 489,645	$ 477,766	$ 465,888	$ 454,010
TOTAL OTHER LOANS										
Annual Interest Payment	$ 5,817	$ 5,251	$ 283,366	$ 268,866	$ 254,366	$ 477,429	$ 451,051	$ 424,673	$ 398,397	$ 372,121
Annual Principal Payment	205,966	205,966	515,611	515,611	515,611	779,570	779,570	759,136	759,136	759,136
Total Annual Payment	$ 211,784	$ 211,218	$ 798,976	$ 784,476	$ 769,976	$ 1,256,999	$ 1,230,621	$ 1,183,809	$ 1,157,533	$ 1,131,257

Total Existing Debt Service	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
TOTAL SEWER LOANS										
Total Annual Interest Payment	$ 51,159	$ 67,141	$ 338,246	$ 315,431	$ 294,095	$ 511,376	$ 480,159	$ 448,884	$ 417,711	$ 386,482
Total Principal Payment	1,225,185	1,230,185	1,678,719	1,370,131	1,159,508	1,228,459	1,233,459	1,213,025	1,218,025	898,025
Total Annual Payment	$ 1,276,344	$ 1,297,326	$ 2,016,964	$ 1,685,562	$ 1,453,603	$ 1,739,835	$ 1,713,618	$ 1,661,909	$ 1,635,736	$ 1,284,507

City of Bainbridge Island
Sewer Rate and SPF Model
Capital Improvement Program

No	Function	Description	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Useful Life (Years)	% Utility Funded
1	Pumping	Rehabilitate Pumps (Sunday Cove)	$ -	$ 50,000	$ 450,000	$ 450,000	$ -	$ -	$ -	$ -	$ -	$ -	30	100%
2	Pumping	Pump Station & Force Main (Wood Avenue)	-	50,000	-	3,925,000	-	-	-	-	-	-	50	100%
3	Pumping	Rehabilitate Pump Station (Lower Lovell)	-	25,000	800,000	800,000	-	-	-	-	-	-	50	100%
4	Pumping	Madison Avenue Reconstruction Project	-	807,000	-	-	-	-	-	-	-	-	50	100%
5	Pumping	Hawley/Irene Grinders	-	396,000	-	-	-	-	-	-	-	-	50	100%
6	Treatment	Wastewater Treatment Plant (WWTP) Upgrades	10,000	990,000	2,140,000	-	-	-	-	-	-	-	50	100%
7	Pumping	Ferry Terminal Pump Station Relocation	-	-	-	-	-	150,000	700,000	-	-	-	50	100%
8	Pumping	Wing Point Pump Replacement	-	100,000	650,000	650,000	-	-	-	-	-	-	50	100%
9	Pumping	Hawley Pump	-	-	124,000	320,000	320,000	-	-	-	-	-	50	100%
10	Pumping	North Town Woods Pump	-	-	118,000	262,000	262,000	-	-	-	-	-	50	100%
11	Pumping	Woodward Pump	-	-	133,000	-	317,000	317,000	-	-	-	-	50	100%
12	Pumping	Rehabilitate Pump Station (Island Terrace)	-	-	180,000	-	272,000	272,000	-	-	-	-	50	100%
13	Collection	Install Gravity Sewers (Sunday Cove)	-	10,000	11,000	1,600,000	-	-	-	-	-	-	50	100%
14	Treatment	Extend WWTP Outfall	-	350,000	700,000	-	-	5,300,000	-	-	-	-	50	100%
15	Collection	Ferncliff Ave Conveyance Upgrades	-	-	-	-	250,000	1,000,000	-	-	-	-	50	100%
16	Treatment	WWTP Air Gap		177,000						-	-	-	50	100%
17		Long-Term Replacement Projects								438,462	477,805	822,267	50	100%
		Total Capital Projects	**$ 10,000**	**$ 2,955,000**	**$ 5,306,000**	**$ 8,007,000**	**$ 1,421,000**	**$ 7,039,000**	**$ 700,000**	**$ 438,462**	**$ 477,805**	**$ 822,267**		
		Total Upgrade/Expansion Projects	-	778,000	355,500	2,762,500	250,000	3,800,000	700,000	-	-	-		
		Total R&R Projects	10,000	2,177,000	4,950,500	5,244,500	1,171,000	3,239,000	-	438,462	477,805	822,267		
		Projects by Grants / Developer Donations	-	-	-	-	-	-	-	-	-	-		
		Projects by Enterprise Fund	10,000	2,955,000	5,306,000	8,007,000	1,421,000	7,039,000	700,000	438,462	477,805	822,267		
		Total Treatment-Related	-	573,000	242,000	582,000	582,000	-	-	-	-	-		

City of Bainbridge Island
Sewer Rate and SPF Model
Capital Improvement Program

No	Function	Description	TOTAL ESCALATED COSTS	TOTAL FORECASTED PROJECT COSTS 2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
1	Pumping	Rehabilitate Pumps (Sunday Cove)	$ 950,000	$ -	$ 50,000	$ 450,000	$ 450,000	$ -	$ -	$ -	$ -	$ -	$ -
2	Pumping	Pump Station & Force Main (Wood Avenue)	3,975,000	-	50,000	-	3,925,000	-	-	-	-	-	-
3	Pumping	Rehabilitate Pump Station (Lower Lovell)	1,625,000	-	25,000	800,000	800,000	-	-	-	-	-	-
4	Pumping	Madison Avenue Reconstruction Project	807,000	-	807,000	-	-	-	-	-	-	-	-
5	Pumping	Hawley/Irene Grinders	396,000	-	396,000	-	-	-	-	-	-	-	-
6	Treatment	Wastewater Treatment Plant (WWTP) Upgrades	3,140,000	10,000	990,000	2,140,000	-	-	-	-	-	-	-
7	Pumping	Ferry Terminal Pump Station Relocation	850,000	-	-	-	-	-	150,000	700,000	-	-	-
8	Pumping	Wing Point Pump Replacement	1,400,000	-	100,000	650,000	650,000	-	-	-	-	-	-
9	Pumping	Hawley Pump	764,000	-	-	124,000	320,000	320,000	-	-	-	-	-
10	Pumping	North Town Woods Pump	642,000	-	-	118,000	262,000	262,000	-	-	-	-	-
11	Pumping	Woodward Pump	767,000	-	-	133,000	-	317,000	317,000	-	-	-	-
12	Pumping	Rehabilitate Pump Station (Island Terrace)	724,000	-	-	180,000	-	272,000	272,000	-	-	-	-
13	Collection	Install Gravity Sewers (Sunday Cove)	1,621,000	-	10,000	11,000	1,600,000	-	-	-	-	-	-
14	Treatment	Extend WWTP Outfall	6,350,000	-	350,000	700,000	-	-	5,300,000	-	-	-	-
15	Collection	Ferncliff Ave Conveyance Upgrades	1,250,000	-	-	-	-	250,000	1,000,000	-	-	-	-
16	Treatment	WWTP Air Gap	177,000	-	177,000	-	-	-	-	-	-	-	-
17		Long-Term Replacement Projects	13,399,820	-	-	-	-	-	-	-	438,462	477,805	822,267
		Total Capital Projects	**$ 38,837,820**	**$ 10,000**	**$ 2,955,000**	**$ 5,306,000**	**$ 8,007,000**	**$ 1,421,000**	**$ 7,039,000**	**$ 700,000**	**$ 438,462**	**$ 477,805**	**$ 822,267**
		Total Upgrade/Expansion Projects	8,646,000	-	778,000	355,500	2,762,500	250,000	3,800,000	700,000	-	-	-
		Total R&R Projects	30,191,820	10,000	2,177,000	4,950,500	5,244,500	1,171,000	3,239,000	-	438,462	477,805	822,267
		Projects by Grants / Developer Donations	-	-	-	-	-	-	-	-	-	-	-
		Projects by Enterprise Fund	38,837,820	10,000	2,955,000	5,306,000	8,007,000	1,421,000	7,039,000	700,000	438,462	477,805	822,267
		Total Treatment-Related		-	573,000	242,000	582,000	582,000	-	-	-	-	-

City of Bainbridge Island
Sewer Rate and SPF Model
Capital Improvement Program

No	Function	Description	NEW ANNUAL DEPRECIATION EXPENSE									
			2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
1	Pumping	Rehabilitate Pumps (Sunday Cove)	$ -	$ 1,667	$ 15,000	$ 15,000	$ -	$ -	$ -	$ -	$ -	$ -
2	Pumping	Pump Station & Force Main (Wood Avenue)	-	1,000	-	78,500	-	-	-	-	-	-
3	Pumping	Rehabilitate Pump Station (Lower Lovell)	-	500	16,000	16,000	-	-	-	-	-	-
4	Pumping	Madison Avenue Reconstruction Project	-	16,140	-	-	-	-	-	-	-	-
5	Pumping	Hawley/Irene Grinders	-	7,920	-	-	-	-	-	-	-	-
6	Treatment	Wastewater Treatment Plant (WWTP) Upgrades	200	19,800	42,800	-	-	-	-	-	-	-
7	Pumping	Ferry Terminal Pump Station Relocation	-	-	-	-	-	3,000	14,000	-	-	-
8	Pumping	Wing Point Pump Replacement	-	2,000	13,000	13,000	-	-	-	-	-	-
9	Pumping	Hawley Pump	-	-	2,480	6,400	6,400	-	-	-	-	-
10	Pumping	North Town Woods Pump	-	-	2,360	5,240	5,240	-	-	-	-	-
11	Pumping	Woodward Pump	-	-	2,660	-	6,340	6,340	-	-	-	-
12	Pumping	Rehabilitate Pump Station (Island Terrace)	-	-	3,600	-	5,440	5,440	-	-	-	-
13	Collection	Install Gravity Sewers (Sunday Cove)	-	200	220	32,000	-	-	-	-	-	-
14	Treatment	Extend WWTP Outfall	-	7,000	14,000	-	-	106,000	-	-	-	-
15	Collection	Ferncliff Ave Conveyance Upgrades	-	-	-	-	5,000	20,000	-	-	-	-
16	Treatment	WWTP Air Gap	-	3,540	-	-	-	-	-	-	-	-
17		Long-Term Replacement Projects	-	-	-	-	-	-	-	8,769	9,556	16,445
		Total Capital Projects	**$ 200**	**$ 59,767**	**$ 112,120**	**$ 166,140**	**$ 28,420**	**$ 140,780**	**$ 14,000**	**$ 8,769**	**$ 9,556**	**$ 16,445**
		Total Upgrade/Expansion Projects										
		Total R&R Projects										
		Projects by Grants / Developer Donations										
		Projects by Enterprise Fund										
		Total Treatment-Related										

City of Bainbridge Island
Sewer Rate and SPF Model
Capital Improvement Program

			PROVISION FOR RETIREMENT OF ASSETS										
No	Function	Description	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	Total
1	Pumping	Rehabilitate Pumps (Sunday Cove)	$ -	$ 19,368	$ 174,932	$ 171,143	$ -	$ -	$ -	$ -	$ -	$ -	$ 365,444
2	Pumping	Pump Station & Force Main (Wood Avenue)	-	3,522	-	301,760	-	-	-	-	-	-	305,282
3	Pumping	Rehabilitate Pump Station (Lower Lovell)	-	3,522	116,170	123,011	-	-	-	-	-	-	242,703
4	Pumping	Madison Avenue Reconstruction Project	-	113,690	-	-	-	-	-	-	-	-	113,690
5	Pumping	Hawley/Irene Grinders	-	-	-	-	-	-	-	-	-	-	-
6	Treatment	Wastewater Treatment Plant (WWTP) Upgrades	1,348	139,472	310,756	-	-	-	-	-	-	-	451,575
7	Pumping	Ferry Terminal Pump Station Relocation	-	-	-	-	-	-	-	-	-	-	-
8	Pumping	Wing Point Pump Replacement	-	14,088	94,389	99,946	-	-	-	-	-	-	208,423
9	Pumping	Hawley Pump	-	-	18,006	49,204	51,644	-	-	-	-	-	118,855
10	Pumping	North Town Woods Pump	-	-	17,135	40,286	42,284	-	-	-	-	-	99,705
11	Pumping	Woodward Pump	-	-	19,313	-	51,160	53,076	-	-	-	-	123,550
12	Pumping	Rehabilitate Pump Station (Island Terrace)	-	-	26,138	-	43,898	45,542	-	-	-	-	115,578
13	Collection	Install Gravity Sewers (Sunday Cove)	-	704	799	123,011	-	-	-	-	-	-	124,514
14	Treatment	Extend WWTP Outfall	-	24,654	50,825	-	-	443,696	-	-	-	-	519,175
15	Collection	Ferncliff Ave Conveyance Upgrades	-	-	-	-	-	-	-	-	-	-	-
16	Treatment	WWTP Air Gap	-	-	-	-	-	-	-	-	-	-	-
17		Long-Term Replacement Projects											-
		Total Capital Projects	**$ 1,348**	**$ 319,020**	**$ 828,464**	**$ 908,361**	**$ 188,986**	**$ 542,314**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 2,788,493**
		Total Upgrade/Expansion Projects											
		Total R&R Projects											
		Projects by Grants / Developer Donations											
		Projects by Enterprise Fund											
		Total Treatment-Related											

City of Bainbridge Island
Sewer Rate and SPF Model
Capital Funding Analysis

Summary of Expenditures	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2022 - 2042 TOTAL
CAPITAL PROJECTS											
Improvement Upgrades & Expansions	$ -	$ 778,000	$ 355,500	$ 2,762,500	$ 250,000	$ 3,800,000	$ 700,000	$ -	$ -	$ -	$ 8,646,000
Repairs and Replacements	10,000	2,177,000	4,950,500	5,244,500	1,171,000	3,239,000	-	438,462	477,805	822,267	30,191,820
TOTAL CAPITAL EXPENDITURES	**$ 10,000**	**$ 2,955,000**	**$ 5,306,000**	**$ 8,007,000**	**$ 1,421,000**	**$ 7,039,000**	**$ 700,000**	**$ 438,462**	**$ 477,805**	**$ 822,267**	**$ 38,837,820**

Capital Financing Plan	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	TOTAL
Additional Proceeds (Costs)	$ -	$ 2,500,000	$ 6,100,000	$ -	$ -	$ 5,200,000	$ -	$ -	$ -	$ -	$ 13,800,000
Project Specific CIAC	-	-	-	-	-	-	-	-	-	-	-
Project to be Funded	**$ 10,000**	**$ 455,000**	**$ -**	**$ 8,007,000**	**$ 1,421,000**	**$ 1,839,000**	**$ 700,000**	**$ 438,462**	**$ 477,805**	**$ 822,267**	$ 25,831,820
OTHER FUNDING SOURCES											
Other Sources	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Rate Funded System Reinvestment	-	-	-	34,972	366,674	185,779	322,850	438,462	477,805	822,267	14,310,096
Other Loans	-	-	-	-	-	-	-	-	-	-	-
Other Loans	-	-	-	-	-	-	-	-	-	-	-
Revenue Bond Proceeds	-	-	-	-	-	-	-	-	-	-	-
TOTAL CAPITAL RESOURCES	**$ -**	**$ 2,500,000**	**$ 6,100,000**	**$ 34,972**	**$ 366,674**	**$ 5,385,779**	**$ 322,850**	**$ 438,462**	**$ 477,805**	**$ 822,267**	**$ 28,110,096**
Info: Working Capital Contingency Deficit	-	-	-	-	-	-	-	-	-	-	-

New Debt Computations	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	TOTAL
REVENUE BONDS											
Amount to Fund	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Issuance Costs	-	-	-	-	-	-	-	-	-	-	-
Reserve Required	-	-	-	-	-	-	-	-	-	-	-
Amount of Debt Issue	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
PWTF LOANS											
Amount to Fund	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
OTHER LOANS											
Amount to Fund	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Issuance Costs	-	-	-	-	-	-	-	-	-	-	-
Amount of Debt Issue	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Debt Service Summary	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	TOTAL
EXISTING DEBT SERVICE											
Annual Interest Payments	$ 51,159	$ 67,141	$ 338,246	$ 315,431	$ 294,095	$ 511,376	$ 480,159	$ 448,884	$ 417,711	$ 386,482	$ 5,762,471
Annual Principal Payments	1,225,185	1,230,185	1,678,719	1,370,131	1,159,508	1,228,459	1,233,459	1,213,025	1,218,025	898,025	20,338,787
Total Debt Service Payments	$ 1,276,344	$ 1,297,326	$ 2,016,964	$ 1,685,562	$ 1,453,603	$ 1,739,835	$ 1,713,618	$ 1,661,909	$ 1,635,736	$ 1,284,507	$ 26,101,258
Revenue Bond Payments Only	321,350	323,044	319,681	326,318	322,841	324,364	325,830	322,239	323,648	-	2,909,315
NEW DEBT SERVICE											
Annual Interest Payments	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Annual Principal Payments	-	-	-	-	-	-	-	-	-	-	-
Total Debt Service Payments	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Revenue Bond Payments Only	-	-	-	-	-	-	-	-	-	-	-
TOTAL DEBT SERVICE PAYMENTS	**$ 1,276,344**	**$ 1,297,326**	**$ 2,016,964**	**$ 1,685,562**	**$ 1,453,603**	**$ 1,739,835**	**$ 1,713,618**	**$ 1,661,909**	**$ 1,635,736**	**$ 1,284,507**	**$ 26,101,258**
Total Interest Payments	51,159	67,141	338,246	315,431	294,095	511,376	480,159	448,884	417,711	386,482	5,762,471
Total Principal Payments	1,225,185	1,230,185	1,678,719	1,370,131	1,159,508	1,228,459	1,233,459	1,213,025	1,218,025	898,025	20,338,787
Total Revenue Bond Payments Only	321,350	323,044	319,681	326,318	322,841	324,364	325,830	322,239	323,648	-	2,909,315

City of Bainbridge Island
Sewer Rate and SPF Model
Revenue Requirements Analysis

Test 1: Cash Flow Sufficiency Test	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
EXPENSES										
Cash Operating Expenses	$ 3,272,935	$ 3,391,444	$ 3,605,099	$ 3,751,440	$ 3,881,917	$ 4,017,623	$ 4,092,323	$ 4,158,897	$ 4,255,555	$ 4,374,347
Existing Debt Service (Excluding SIS Loan)	974,381	996,851	1,717,977	1,685,562	1,453,603	1,739,835	1,713,618	1,661,909	1,635,736	1,284,507
New Debt Service	-	-	-	-	-	-	-	-	-	-
Rate Funded System Reinvestment	-	-	-	34,972	366,674	185,779	322,850	438,462	477,805	822,267
Additions Required to Meet Minimum Reserve	-	-	-	-	-	-	-	-	-	-
Total Expenses	$ 4,247,316	$ 4,388,295	$ 5,323,076	$ 5,471,975	$ 5,702,195	$ 5,943,238	$ 6,128,791	$ 6,259,269	$ 6,369,096	$ 6,481,120
REVENUES										
Rate Revenue	$ 4,037,128	$ 4,540,916	$ 4,639,811	$ 4,741,585	$ 4,846,337	$ 4,954,172	$ 5,024,052	$ 5,043,955	$ 5,043,955	$ 5,043,955
Other Non Rate Revenue	271,342	285,138	302,186	320,257	339,413	359,718	361,518	361,518	361,518	361,518
System Participation Fee Revenue Towards Debt	-	-	-	-	-	-	-	-	-	-
Operating Fund & Debt Reserve Fund Interest Earnings	8,785	7,000	11,448	10,744	10,744	10,744	10,744	10,744	10,744	10,744
Total Revenue	$ 4,317,255	$ 4,833,055	$ 4,953,445	$ 5,072,587	$ 5,196,495	$ 5,324,634	$ 5,396,315	$ 5,416,217	$ 5,416,217	$ 5,416,217
NET CASH FLOW (DEFICIENCY)	**$ 69,939**	**$ 444,760**	**$ (369,631)**	**$ (399,388)**	**$ (505,700)**	**$ (618,603)**	**$ (732,475)**	**$ (843,051)**	**$ (952,879)**	**$ (1,064,903)**
% of Rate Revenue	-1.73%	-9.79%	7.97%	8.42%	10.43%	12.49%	14.58%	16.71%	18.89%	21.11%

Test 2: Coverage Sufficiency Test	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
EXPENSES										
Cash Operating Expenses (Less City Taxes & Capital Outlays)	$ 2,983,271	$ 3,031,201	$ 3,235,496	$ 3,372,475	$ 3,493,222	$ 3,618,862	$ 3,719,568	$ 3,820,095	$ 3,930,582	$ 4,049,373
Revenue Bond Debt Service	321,350	323,044	319,681	326,318	322,841	324,364	325,830	322,239	323,648	-
Revenue Bond Coverage Requirement at 1.25	80,338	80,761	79,920	81,580	80,710	81,091	81,458	80,560	80,912	-
Total Expenses	$ 3,384,958	$ 3,435,006	$ 3,635,097	$ 3,780,372	$ 3,896,774	$ 4,024,317	$ 4,126,855	$ 4,222,894	$ 4,335,142	$ 4,049,373
ALLOWABLE REVENUES										
Rate Revenue	$ 4,037,128	$ 4,540,916	$ 4,639,811	$ 4,741,585	$ 4,846,337	$ 4,954,172	$ 5,024,052	$ 5,043,955	$ 5,043,955	$ 5,043,955
Other Revenue	271,342	285,138	302,186	320,257	339,413	359,718	361,518	361,518	361,518	361,518
Interest Earnings - All Funds	75,363	48,140	60,159	80,373	14,702	17,925	15,579	20,018	22,416	22,532
Total Revenue	$ 4,383,833	$ 4,874,195	$ 5,002,156	$ 5,142,215	$ 5,200,452	$ 5,331,815	$ 5,401,149	$ 5,425,491	$ 5,427,889	$ 5,428,005
Coverage Realized (Existing Rates)	4.36	5.71	5.53	5.42	5.29	5.28	5.16	4.98	4.63	n/a
COVERAGE SURPLUS (DEFICIENCY)	**$ 998,875**	**$ 1,439,188**	**$ 1,367,059**	**$ 1,361,843**	**$ 1,303,678**	**$ 1,307,498**	**$ 1,274,294**	**$ 1,202,597**	**$ 1,092,747**	**$ 1,378,632**

Maximum Revenue Deficiency	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Sufficiency Test Driving the Deficiency	*None*	*None*	*Cash*	*Cash*	*Cash*	*Cash*	*Cash*	*Cash*	*Cash*	*Cash*
Maximum Revenue Deficiency (Surplus)	$ (69,939)	$ (444,760)	$ 369,631	$ 399,388	$ 505,700	$ 618,603	$ 732,475	$ 843,051	$ 952,879	$ 1,064,903
plus: Additional (Reduction) Taxes	(5,953)	(37,854)	31,460	33,992	43,041	52,650	62,342	71,753	81,101	90,635
less: Net Revenue From Prior Rate Adjustments	-	-	-	(331,911)	(442,955)	(560,951)	(680,722)	(797,966)	(914,804)	(1,033,979)
Net Revenue Deficiency (Surplus)	$ (75,892)	$ (482,614)	$ 401,091	$ 101,470	$ 105,786	$ 110,302	$ 114,095	$ 116,838	$ 119,175	$ 121,559
Required Adjustment (Full Year)	*-1.88%*	*-10.63%*	*8.64%*	*2.00%*	*2.00%*	*2.00%*	*2.00%*	*2.00%*	*2.00%*	*2.00%*

City of Bainbridge Island
Sewer Rate and SPF Model
Revenue Requirements Analysis

Rate Increases	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Rate Revenue with no Increase	$ 4,037,128	$ 4,540,916	$ 4,639,811	$ 4,741,585	$ 4,846,337	$ 4,954,172	$ 5,024,052	$ 5,043,955	$ 5,043,955	$ 5,043,955
Revenues from Prior Rate Increases	-	-	-	331,911	442,955	560,951	680,722	797,966	914,804	1,033,979
Rate Revenue Before Rate Increase (Incl. previous increases)	4,037,128	4,540,916	4,639,811	5,073,496	5,289,293	5,515,123	5,704,774	5,841,920	5,958,759	6,077,934
Required Annual Rate Increase (Full Year)	-1.88%	-10.63%	8.64%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
Number of Months New Rates Will Be In Effect	12	12	12	12	12	12	12	12	12	12
Info: Percentage Increase to Generate Required Revenue	*-1.88%*	*-10.63%*	*8.64%*	*2.00%*	*2.00%*	*2.00%*	*2.00%*	*2.00%*	*2.00%*	*2.00%*
Policy Induced Rate Increases	0.00%	0.00%	7.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
ANNUAL RATE INCREASE	**0.00%**	**0.00%**	**7.00%**	**2.00%**	**2.00%**	**2.00%**	**2.00%**	**2.00%**	**2.00%**	**2.00%**
CUMULATIVE RATE INCREASE	**0.00%**	**0.00%**	**7.00%**	**9.14%**	**11.32%**	**13.55%**	**15.82%**	**18.14%**	**20.50%**	**22.91%**

Impacts of Rate Increases	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Rate Revenues After Rate Increase	$ 4,037,128	$ 4,540,916	$ 4,964,598	$ 5,174,966	$ 5,395,078	$ 5,625,426	$ 5,818,870	$ 5,958,759	$ 6,077,934	$ 6,199,493
Full Year Rate Revenues After Rate Increase	*4,037,128*	*4,540,916*	*4,964,598*	*5,174,966*	*5,395,078*	*5,625,426*	*5,818,870*	*5,958,759*	*6,077,934*	*6,199,493*
Partial Year Adjustment	-	-	-	-	-	-	-	-	-	-
Additional (Reduction of) Taxes Due to Rate Increases	-	-	25,475	33,992	43,041	52,650	62,342	71,753	81,101	90,635
Net Cash Flow After Rate Increase	$ 69,939	$ 444,760	$ (70,319)	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Coverage After Rate Increase	4.36	5.71	6.46	6.65	6.85	7.19	7.41	7.60	7.57	n/a
Coverage After Rate Increase (Total Debt)	1.44	1.85	1.20	1.29	1.52	1.34	1.41	1.47	1.50	1.90

New Debt Assumptions	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Revenue Bond Proceeds	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
PWTF Loan Proceeds	-	-	-	-	-	-	-	-	-	-
Other Loan Proceeds	-	-	-	-	-	-	-	-	-	-

Fund Balance Impacts	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Ending Fund Balance - Operating Fund	**$ 669,939**	**$ 1,144,760**	**$ 1,074,440**	**$ 1,074,440**	**$ 1,074,440**	**$ 1,074,440**	**$ 1,074,440**	**$ 1,074,440**	**$ 1,074,440**	**$ 1,074,440**
Minimum Target - Operating Fund	*538,017*	*557,498*	*592,619*	*616,675*	*638,123*	*660,431*	*672,711*	*683,654*	*699,543*	*719,071*
Ending Fund Balance - Capital Fund	**$ 4,836,323**	**$ 4,871,134**	**$ 6,962,831**	**$ 395,746**	**$ 718,045**	**$ 483,421**	**$ 927,372**	**$ 1,167,133**	**$ 1,178,805**	**$ 1,190,593**
Minimum Target - Capital Fund	193,648	223,198	276,258	356,328	370,538	440,928	447,928	452,313	457,091	465,313
Combined Unrestricted Balance as Days of O&M	***614 Days***	***647 Days***	***814 Days***	***143 Days***	***169 Days***	***142 Days***	***179 Days***	***197 Days***	***193 Days***	***189 Days***
Annual CIP (Inflated)	***$ 10,000***	***$ 2,955,000***	***$ 5,306,000***	***$ 8,007,000***	***$ 1,421,000***	***$ 7,039,000***	***$ 700,000***	***$ 438,462***	***$ 477,805***	***$ 822,267***

City of Bainbridge Island
Sewer Rate and SPF Model
Fund Activity

Funds	2023	2024	2025	2026	2027	2028	2029	2030	2031
OPERATING									
Beginning Balance	$ 700,000	$ 1,144,760	$ 1,074,440	$ 1,074,440	$ 1,074,440	$ 1,074,440	$ 1,074,440	$ 1,074,440	$ 1,074,440
plus: Net Cash Flow after Rate Increase	444,760	(70,319)	-	-	-	-	-	-	-
less: Transfer of Surplus to Capital Fund (If No Manual Entry)	-	-	-	-	-	-	-	-	-
Ending Balance	**$ 1,144,760**	**$ 1,074,440**	**$ 1,074,440**	**$ 1,074,440**	**$ 1,074,440**	**$ 1,074,440**	**$ 1,074,440**	**$ 1,074,440**	**$ 1,074,440**
Minimum Target Balance: 60 Days	*$ 557,498*	*$ 592,619*	*$ 616,675*	*$ 638,123*	*$ 660,431*	*$ 672,711*	*$ 683,654*	*$ 699,543*	*$ 719,071*
Maximum Target Balance: 90 Days	*$ 836,247*	*$ 888,929*	*$ 925,013*	*$ 957,185*	*$ 990,647*	*$ 1,009,066*	*$ 1,025,481*	*$ 1,049,315*	*$ 1,078,606*
Info: No of Days of Cash Operating Expenses	*123*	*109*	*105*	*101*	*98*	*96*	*94*	*92*	*90*
Difference over or (under) target funds	$ 308,513	$ 185,512	$ 149,428	$ 117,255	$ 83,794	$ 65,374	$ 48,959	$ 25,126	$ (4,166)
Manual Entry for Transfer to Capital Fund	-	-	-	-	-	-	-	-	-
CAPITAL									
Beginning Balance	$ 4,114,000	$ 4,871,134	$ 6,962,831	$ 395,746	$ 718,045	$ 483,421	$ 927,372	$ 1,167,133	$ 1,178,805
plus: Rate Funded System Reinvestment	-	-	34,972	366,674	185,779	322,850	438,462	477,805	822,267
plus: Transfers from Operating Fund	-	-	-	-	-	-	-	-	-
plus: Grants/ Donations/ CIAC	-	-	-	-	-	-	-	-	-
plus: Additional Proceeds (Costs)	2,500,000	6,100,000	-	-	5,200,000	-	-	-	-
plus: System Participation Fee Revenue	1,170,994	1,206,607	1,243,509	1,281,753	1,321,394	816,267	230,488	-	-
less: System Participation Fee Revenue Towards Debt	-	-	-	-	-	-	-	-	-
plus: Revenue Bond Proceeds	-	-	-	-	-	-	-	-	-
plus: PWTF Loans Proceeds	-	-	-	-	-	-	-	-	-
plus: Other Loan Proceeds	-	-	-	-	-	-	-	-	-
plus: Transfer from LID Assesment Reserve	-	42,379	91,805	90,914	90,023	-	-	-	-
plus: Interest Earnings	41,140	48,711	69,628	3,957	7,180	4,834	9,274	11,671	11,788
Total Funding Sources	**$ 7,826,134**	**$ 12,268,831**	**$ 8,402,746**	**$ 2,139,045**	**$ 7,522,421**	**$ 1,627,372**	**$ 1,605,596**	**$ 1,656,610**	**$ 2,012,860**
less: Capital Expenditures	(2,955,000)	(5,306,000)	(8,007,000)	(1,421,000)	(7,039,000)	(700,000)	(438,462)	(477,805)	(822,267)
Ending Capital Fund Balance	**$ 4,871,134**	**$ 6,962,831**	**$ 395,746**	**$ 718,045**	**$ 483,421**	**$ 927,372**	**$ 1,167,133**	**$ 1,178,805**	**$ 1,190,593**
Minimum Target Balance	*$ 223,198*	*$ 276,258*	*$ 356,328*	*$ 370,538*	*$ 440,928*	*$ 447,928*	*$ 452,313*	*$ 457,091*	*$ 465,313*
COMBINED BEGINNING FUND BALANCE	***$ 4,814,000***	***$ 6,015,893***	***$ 8,037,271***	***$ 1,470,186***	***$ 1,792,485***	***$ 1,557,861***	***$ 2,001,812***	***$ 2,241,574***	***$ 2,253,245***
COMBINED ENDING FUND BALANCE	***$ 6,015,893***	***$ 8,037,271***	***$ 1,470,186***	***$ 1,792,485***	***$ 1,557,861***	***$ 2,001,812***	***$ 2,241,574***	***$ 2,253,245***	***$ 2,265,033***
Info: No of Days of Cash Operating Expenses	647	816	143	169	142	179	197	193	189
DEBT RESERVE									
Beginning Balance	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
plus: Reserve Funding from New Debt	-	-	-	-	-	-	-	-	-
less: Use of Reserves for Debt Service	-	-	-	-	-	-	-	-	-
Ending Balance	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
Minimum Target Balance	$ 326,318	$ 326,318	$ 326,318	$ 325,830	$ 325,830	$ 325,830	$ 323,648	$ 323,648	$ -
LID ASSESMENT RESERVE									
Beginning Balance	$ 453,600	$ 247,696	$ -	$ -	$ -	$ -	$ -	$ -	$ -
plus: Reserve Funding from LID Assessments	94,571	93,670	91,805	90,914	90,023	-	-	-	-
less: Use of Reserves for Debt Service	(300,475)	(298,988)	-	-	-	-	-	-	-
less: Transfer of Remaining Funds to Capital	-	(42,379)	(91,805)	(90,914)	(90,023)	-	-	-	-
Ending Balance	**$ 247,696**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

City of Bainbridge Island
Sewer Rate and SPF Model
Plant

Contributed Assets as of 2008	$ (1,585,088)
LID Assets	$ (1,238,525)
2009 - 2021 Contributions	$ (636,246)

Asset	Plant In Service - Description	Donated	Year	Useful Life	2022 Original Cost	Accumulated Depreciation	Function	Allocated Donated Assets	Net Utility Funded Assets	Applicable Asset Age	Applicable Interest Rate	Allocable Interest Cost
452-171000-001026	PUMPING STATIONS - 1990		1990	999 Years	$ 5,711	$ -	Pumping	$ (267)	$ 5,445	10	7.27%	$ 3,961
452-171000-001027	PUMPING STATIONS - 1974		1974	999 Years	413,250	-	Pumping	(19,295)	393,955	10	6.17%	243,202
452-171000-001028	PUMPING STATIONS - 1977		1977	999 Years	60	-	Pumping	(3)	57	10	5.68%	33
452-171000-001029	SEWER TREATMENT PLANT		1952	999 Years	1,500	-	Treatment	(70)	1,430	10	2.39%	341
452-171000-001030	PARCEL #1 213 WING POINT ESMT		1977	999 Years	10,000	-	Collection	(467)	9,533	10	5.68%	5,417
452-171000-001031	PW YARD LAND		1999	999 Years	343,397	-	General	(16,033)	327,364	10	5.43%	177,677
452-171000-001032	NO DESCRIPTION		1973	999 Years	30,975	-	General	(1,446)	29,529	10	5.19%	15,323
452-171000-001033	BRANDT PROPERTY/MADRONE LN ESMNT		2003	999 Years	7,500	-	General	(350)	7,150	10	4.75%	3,395
452-171000-001034	CASELLA SHORT PLAT -BUILDER DONATED LAND	Yes	2006	999 Years	2,806	-	General	(2,806)	-	10	4.40%	-
452-171000-001035	CASELLA SHORT PLAT	Yes	2007	999 Years	2,100	-	General	(2,100)	-	10	4.40%	-
452-171000-001036	SOUTH ISLAND SEWER-LID 20-RECORD FEES		2009	999 Years	17,574	-	Collection	(821)	16,753	10	4.62%	7,741
452-172000-001037	MOBILE OFFICE TRAILER		1993	20 Years	1,419	1,419	General	(66)	1,353	10	5.60%	757
452-172000-001038	PW YARD PAVING - ALLOCATION		2003	25 Years	1,008	766	General	(47)	961	10	4.75%	456
452-172000-001039	WATERFRONT PARK RESTROOMS - PR 00065		2008	66 Years	15,484	3,221	General	(723)	14,761	10	4.86%	7,175
452-172000-001723	2016 WWTP HVAC		2016	25 Years	14,109	3,386	Treatment	(659)	13,450	6	3.25%	2,621
452-178100-000131	GENERATOR-DETRIOT DIESEL		2006	66 Years	40,000	9,697	General	(1,868)	38,132	10	4.40%	16,781
452-178100-000133	GENERATOR-ISUZU		1994	10 Years	6,000	6,000	General	(280)	5,720	10	6.18%	3,535
452-178100-000134	GENERATOR-JOHN DEERE		2007	20 Years	34,216	25,662	General	(1,598)	32,618	10	4.40%	14,338
452-178100-000135	GENERATOR-JOHN DEERE		2006	10 Years	29,373	29,373	General	(1,371)	28,002	10	4.40%	12,323
452-178100-000136	GENERATOR-JOHN DEERE		2003	10 Years	20,000	20,000	General	(934)	19,066	10	4.75%	9,053
452-178100-000138	GENERATOR-JOHN DEERE		1997	10 Years	25,065	25,065	General	(1,170)	23,895	10	5.52%	13,196
452-178100-000140	GENERATOR-LUGGER		1995	10 Years	6,000	6,000	General	(280)	5,720	10	5.95%	3,405
452-178100-000141	GENERATOR-ONAN/CUMMINS		2003	10 Years	21,415	21,415	General	(1,000)	20,415	10	4.75%	9,694
452-178100-000142	GENERATOR-ONAN/CUMMINS		2002	10 Years	33,303	33,303	General	(1,555)	31,748	10	5.04%	15,993
452-178100-000144	GENERATOR-ONAN/CUMMINS		2000	10 Years	20,000	20,000	General	(934)	19,066	10	5.71%	10,885
452-178100-000146	GENERATOR-YAN MAR		1998	10 Years	18,239	18,239	General	(852)	17,388	10	5.09%	8,852
452-178100-000147	GENERATOR-YAN MAR		1996	10 Years	12,000	12,000	General	(560)	11,440	10	5.76%	6,586
452-178100-000198	2007 KOHLER GENERATOR		2011	25 Years	76,775	33,781	General	(3,585)	73,190	10	4.51%	33,009
452-178100-001040	ORIGINAL SEWER TREATMENT PLANT STRUC		1952	30 Years	52,423	52,423	Treatment	(2,448)	49,975	10	2.39%	11,932
452-178100-001041	LID 3A & 3E CONTRACT 1	Yes	1979	20 Years	528,344	528,344	Collection	(528,344)	-	10	6.52%	-
452-178100-001042	LID 3A EAGLE HARBOR SWR EXT-N.SHORE CONT	Yes	1979	20 Years	105,692	105,692	Collection	(105,692)	-	10	6.52%	-
452-178100-001043	LID 3B CAVE AVENUE SEWER EXTENSION	Yes	1979	20 Years	49,565	49,565	Collection	(49,565)	-	10	6.52%	-
452-178100-001044	LID 3C WILLIAMS EAGLE HARBOR	Yes	1979	20 Years	70,920	70,920	Collection	(70,920)	-	10	6.52%	-
452-178100-001045	LID 3D-F CHERRY PARK&FAIRVIEW AV SWR EXT	Yes	1979	20 Years	188,453	188,453	Collection	(188,453)	-	10	6.52%	-
452-178100-001046	LID 4-WING POINT SEWER EXT	Yes	1979	20 Years	295,551	295,551	Collection	(295,551)	-	10	6.52%	-
452-178100-001047	UPPER HAWLEY LIFT STATION		1959	20 Years	40,350	40,350	Treatment	(1,884)	38,466	10	3.56%	13,684
452-178100-001048	WASTEWATER SEWER TREATMENT PLANT		1977	67 Years	1,508,531	1,018,258	Treatment	(70,434)	1,438,097	10	5.68%	817,198
452-178100-001049	WASTEWATER SEWER TREATMENT PLANT UPGD		1996	20 Years	2,492,923	2,492,923	Treatment	(116,396)	2,376,528	10	5.76%	1,368,286
452-178100-001050	HIGH SCHOOL RD SEWER PORTION		1993	67 Years	165,025	71,786	Collection	(7,705)	157,320	10	5.60%	88,060
452-178100-001051	ALDER AVE SEWER UPGRADE		1997	67 Years	63,490	23,809	Collection	(2,964)	60,525	10	5.52%	33,425
452-178100-001052	MADISON AVE SEWER REHAB		1990	67 Years	134,852	64,729	Collection	(6,296)	128,556	10	7.27%	93,514
452-178100-001053	NAVY HOUSING SEWER MAIN UPGRADE		1997	67 Years	6,928	2,598	Collection	(323)	6,605	10	5.52%	3,647
452-178100-001054	COMMODORE SIDE SEWER		1996	67 Years	13,008	5,073	Collection	(607)	12,401	10	5.76%	7,140
452-178100-001055	HIGH SCHOOL RD SEWER EXTENSION		1998	67 Years	27,093	9,753	Collection	(1,265)	25,828	10	5.09%	13,148
452-178100-001056	LYNWOOD CENTER SWR DIST #7		1998	67 Years	772,702	278,173	Collection	(36,078)	736,624	10	5.09%	375,003
452-178100-001057	LYNWOOD CENTER WW PUMP ST (1997)		1997	20 Years	3,243	3,243	Pumping	(151)	3,092	10	5.52%	1,707
452-178100-001058	LYNWOOD CENTER WW PUMP ST (1998)		1998	20 Years	8,085	8,085	Pumping	(378)	7,708	10	5.09%	3,924
452-178100-001059	WINSLOW BOAT LAUNCH PUMPOUT FACILITY		1994	67 Years	60,123	25,252	Pumping	(2,807)	57,315	10	6.18%	35,421
452-178100-001060	EAGLE/IRENE PLACE SANITARY SEWER DESIGN		2000	20 Years	6,870	6,870	Pumping	(321)	6,549	10	5.71%	3,739
452-178100-001061	EAGLE/IRENE PLACE SANITARY SWR CONSTRUC		2001	20 Years	68,688	68,688	Pumping	(3,207)	65,481	10	5.15%	33,739
452-178100-001062	LOWER MADISON BRIEN BJUNE RECONSTRUCTION		1999	67 Years	157,457	54,323	Collection	(7,352)	150,105	10	5.43%	81,470
452-178100-001063	SWR PIPE (HIST COST OF TOTAL LINEAR FT)		2003	67 Years	2,628,691	1,637,126	Collection	(122,735)	2,505,956	10	4.75%	1,189,911
452-178100-001064	WINSLOW WAY/MADRONE LN SIDE SEWER CONNCT		2003	67 Years	4,730	1,348	Collection	(221)	4,510	10	4.75%	2,141
452-178100-001065	ERICKSEN AVENUE WATER MAIN - PR 147		2003	67 Years	70,255	20,023	Collection	(3,280)	66,975	10	4.75%	31,802
452-178100-001066	SEWER PIPE ($ COST OF TOTAL LINEAR FEET)		2004	67 Years	50,268	13,572	Collection	(2,347)	47,921	10	4.68%	22,415
452-178100-001067	SUNDAY COVE FORCEMAIN/WATERLINE EXTENS		2004	67 Years	69,239	18,694	Collection	(3,233)	66,006	10	4.68%	30,874
452-178100-001068	WWTP EFFLUENT PUMP UPGRADE		2004	20 Years	619,293	557,364	Treatment	(28,915)	590,378	10	4.68%	276,149
452-178100-001069	ERICKSEN AVENUE IMPROVEMENTS		2004	67 Years	68,605	18,523	Collection	(3,203)	65,402	10	4.68%	30,592
452-178100-001070	CASELLA SHORT PLAT - BUILDER DONATED	Yes	2006	67 Years	6,450	1,550	Collection	(6,450)	-	10	4.40%	-
452-178100-001071	SOUTH ISLAND SEWER - LID 20		2006	66 Years	732,662	177,615	Collection	(34,208)	698,454	10	4.40%	307,378
452-178100-001072	HORIZON VIEW - LID 21		2006	66 Years	171,272	41,521	Collection	(7,997)	163,276	10	4.40%	71,855
452-178100-001073	WINERY HYDROMATIC PUMP		2006	67 Years	16,097	3,868	Pumping	(752)	15,345	10	4.40%	6,753
452-178100-001074	SUNDAY COVE PUMP STATION MODIFICATION		2007	20 Years	331,983	248,987	Pumping	(15,500)	316,483	10	4.40%	139,120
452-178100-001076	INFILTRATION & INFLOW REDUCTION		2007	20 Years	21,449	16,086	Collection	(1,001)	20,447	10	4.40%	8,988

City of Bainbridge Island
Sewer Rate and SPF Model
Plant

Contributed Assets as of 2008	$ (1,585,088)
LID Assets	$ (1,238,525)
2009 - 2021 Contributions	$ (636,246)

Asset	Plant In Service - Description	Donated	Year	Useful Life	2022 Original Cost	Accumulated Depreciation	Function	Allocated Donated Assets	Net Utility Funded Assets	Applicable Asset Age	Applicable Interest Rate	Allocable Interest Cost
452-178100-001077	ALLIANCE		2007	67 Years	8,900	2,003	Collection	(416)	8,484	10	4.40%	3,730
452-178100-001078	CASELLA SHORT PLAT		2007	67 Years	6,450	1,451	Collection	(301)	6,149	10	4.40%	2,703
452-178100-001079	MADISON SQ. NORTH		2007	67 Years	7,685	1,729	Collection	(359)	7,326	10	4.40%	3,220
452-178100-001080	PIERCE CORNER		2007	67 Years	27,125	6,103	Collection	(1,266)	25,859	10	4.40%	11,367
452-178100-001081	WYATT WAY EAGLE/WEAVER NM PR 00057		2007	67 Years	1,916	431	Collection	(89)	1,827	10	4.40%	803
452-178100-001082	WWTP EFFLUENT PUMP UPGRADE - PR 00190		2008	67 Years	469,295	98,552	Treatment	(21,912)	447,384	10	4.86%	217,466
452-178100-001083	HEAD OF THE BAY WELL PHASE II - PR 00175		2008	20 Years	27,484	19,239	General	(1,283)	26,201	10	4.86%	12,736
452-178100-001084	LAND ACQ-WWTP CONSTR&STAGING-PR 00229		2008	1 Years	3,070	3,070	Treatment	(143)	2,927	10	4.86%	1,423
452-178100-001085	FT WARD HILL REALIGNMENT - PR 00098		2008	67 Years	36,402	7,644	Collection	(1,700)	34,703	10	4.86%	16,868
452-178100-001086	FORT WARD HILL ROAD GEO STUDY - PR 00264		2008	67 Years	823	173	Collection	(38)	785	10	4.86%	381
452-178100-001087	WING PT. SEWER REPAIR - PR 00334		2008	67 Years	4,704	988	Collection	(220)	4,484	10	4.86%	2,180
452-178100-001088	GRINDER PUMP & PIPING- TAYLOR FORCE MAIN		2009	66 Years	4,423	871	Collection	(206)	4,216	10	4.62%	1,948
452-178100-001089	WWTP IMPROVEMENTS		2011	25 Years	15,087,559	6,638,526	Treatment	(704,445)	14,383,114	10	4.51%	6,486,785
452-178100-001090	WW: ERICKSEN TO MADISON		2011	66 Years	540,411	90,068	Collection	(25,232)	515,179	10	4.51%	232,346
452-178100-001091	TELEMETRY UPGRADE PROGRAM 2011 ONLY		2011	10 Years	2,741	2,741	General	(128)	2,613	10	4.51%	1,179
452-178100-001190	WWTP CAPITAL PRJ EXP 2012		2012	24 Years	2,917	1,215	Treatment	(136)	2,781	10	3.73%	1,037
452-178100-001192	WW SEWER 2012 CAPITAL EXP		2012	65 Years	10,892	1,676	Collection	(509)	10,384	10	3.73%	3,872
452-178100-001674	EAGLE HARBOR BEACH MAINS		2014	66 Years	3,470,111	418,663	Collection	(162,021)	3,308,090	8	4.23%	1,120,119
452-178100-001707	PORTABLE GENERATOR PLUG LYNWOOD CTR		2015	20 Years	20,064	7,022	Collection	(937)	19,127	7	3.66%	4,897
452-178100-001708	NT WOODS GENERATOR PLUG		2015	20 Years	11,308	3,958	General	(528)	10,780	7	3.66%	2,760
452-178100-001731	WING POINT WAY SEWER UPGRADE		2016	20 Years	392,764	117,829	Collection	(18,338)	374,426	6	3.25%	72,976
452-178100-001751	SEWER TELEMETRY UPGRADE		2017	10 Years	119,987	59,994	General	(5,602)	114,385	5	3.67%	20,968
452-178100-001755	MADRONA/CITY PARKING LOT - SEWER SECTION		2017	66 Years	289,257	21,364	Collection	(13,506)	275,752	5	3.67%	50,549
452-178100-001762	WINSLOW GROVE SEWER SYSTEM - DEV DONATED	Yes	2017	66 Years	84,906	6,432	Collection	(84,906)	-	5	3.67%	-
452-178100-001769	ROOST PH.1A SEWER SYSTEM - DEV DONATED	Yes	2017	66 Years	71,758	5,436	Collection	(71,758)	-	5	3.67%	-
452-178100-001792	LOVELL PUMP STATION BEACH MAINS		2018	20 Years	56,804	3,443	Collection	(2,652)	54,152	4	3.96%	8,572
452-178100-001806	VILLAGE PUMP STATION		2019	20 Years	805,049	76,595	Pumping	(37,588)	767,461	3	3.42%	78,716
452-178100-001807	OLD TMT. PLANT LIFT STATION IMPROV.		2019	20 Years	461,464	46,146	Treatment	(21,546)	439,918	3	3.42%	45,121
452-178100-001816	WALLACE/LOGANBERRY SEWER SYS-DEV DONATED	Yes	2019	67 Years	61,212	2,782	Collection	(61,212)	-	3	3.42%	-
452-178100-001823	DUANE LN/MADISON SEWER SYS-DEV DONATED	Yes	2019	67 Years	58,522	2,660	Collection	(58,522)	-	3	3.42%	-
452-178100-001830	2019 KOHLER GENERATOR		2020	25 Years	87,000	6,960	General	(4,062)	82,938	2	2.32%	3,854
452-178100-001845	BAINBRIDGE LANDING SEWER SYS-DEV DONATED	Yes	2020	67 Years	359,849	10,905	Collection	(359,849)	-	2	2.32%	-
452-178100-001865	LYNWOOD PUMP STATION		2021	20 Years	90,243	3,008	Pumping	(4,213)	86,029	1	2.19%	1,881
452-181000-000159	LARGE SANDER ATTACHMENT		2008	10 Years	8,374	8,374	General	(391)	7,983	10	4.86%	3,880
452-181000-000243	SEWER INSPECTION SYSTEM, PLUS TAXES		2000	10 Years	29,755	29,755	General	(1,389)	28,366	10	5.71%	16,194
452-181000-000248	SEWER CAMERA		2009	10 Years	20,294	20,294	General	(948)	19,346	10	4.62%	8,940
452-181000-000277	WWTP TRUCK WEIGH SCALES - PORTABLE		2012	5 Years	7,170	7,170	General	(335)	6,835	10	3.73%	2,549
452-181000-000278	2012 GENERATOR SOUND ATTENUATION		2012	20 Years	22,511	11,256	General	(1,051)	21,460	10	3.73%	8,003
	Total				**$ 35,591,787**	**$ 16,236,992**		**(3,459,860)**	**32,131,927**			**$ 14,178,789**

	Construction Work In Progress		Year	Useful Life	Original Cost		Function
00820	Rehab Wing Point Pump Station		2021		$ 64,148		Pumping
00821	SCADA Upgrades - SWR		2021		278,733		General
00974	2019 Water/Sewer Van		2021		119		General
00989	Sunday Cove Pump Rehab		2021		57,063		Pumping
00990	Wood Ave Pump Station Force Main		2021		352,491		Collection
01085	Sunday Cove Gravity Swr Main		2021		115,838		Collection
01086	Lower Lovell Pump Main		2021		149,423		Collection
01100	Village Basin Improvements		2021		275,138		Collection
01101	WWTP Air Gap Replacement		2021		41,070		Treatment
01103	Hawley / Irene Grinder Pumps		2021		625		Pumping
	Total				**$ 1,334,649**		

Plant in Service				Original Cost	Accumulated Depreciation		Allocated Donated Assets	Net Utility Funded Assets			Allocable Interest Cost
Collection				$ 12,838,143	$ 4,404,503		$ (2,351,116)	$ 9,594,137			$ 3,941,054
Treatment				20,794,504	10,952,214		(968,987)	19,784,447			9,242,043
Pumping				1,931,238	444,596		(84,482)	1,724,920			552,196
General				1,362,550	435,680		(55,276)	1,028,423			443,497
Total				**$ 36,926,436**	**$ 16,236,992**		**$ (3,459,860)**	**$ 32,131,927**			**$ 14,178,789**

City of Bainbridge Island
Sewer Rate and SPF Model
SPF and FCC Calculations

System Participation Fee - Average Cost Method	Collection	Treatment	Total
Cost Basis			
Existing Plant-in-Service	$ 14,838,353	$ 20,753,434	$ 35,591,787
Less: Contributed Assets	(2,490,873)	(968,987)	(3,459,860)
Plus: Construction Work In Progress	1,293,579	41,070	1,334,649
Capital Improvement Program	15,771,000	9,667,000	25,438,000
Less: Grants/Contribution Funding for CIP Projects	-	-	-
Less: Provision for Retirement of Existing Assets	(1,817,743)	(970,750)	(2,788,493)
Plus: Interest Accrued on Utility-Funded Assets	4,331,980	8,809,743	13,141,723
Less: Outstanding Debt Principal Net of Available Cash	(540,400)	(1,152,068)	(1,692,468)
Net Cost Basis	**$ 31,385,896**	**$ 36,179,442**	**$ 67,565,338**
System Capacity in Equivalent Residential Units (ERUs)			
Winslow	5,032	5,032	
South Island	480	0	
Total	5,512	5,032	
Total Charge Per ERU	**$ 5,694**	**$ 7,190**	**$ 12,884**
Existing SPF			$ 8,187
Difference			***$ 4,697***

Net Debt Outstanding	Collection	Treatment	Total
Total Cash Balances			$ 5,147,220
Outstanding Debt Principal	2,183,892	4,655,796	6,839,688
less: Allocated Cash Balances	(1,643,492)	(3,503,728)	(5,147,220)
Net Debt Principal Outstanding	540,400	1,152,068	1,692,468

City of Bainbridge Island
Sewer Rate and SPF Model
Price Out of Customer Data

2021

Accounts & Total Consumption

Single-Family	Accounts	Units	Annual Usage	Winter January	Winter February	Winter March	Winter April	Winter May	Winter June	Summer July	Summer August	Summer September	Summer October	Summer November	Winter December	Total
				Total Consumption (Bi-Monthly ccf)												
SFR	1,917		106,161 ccf	6,270 ccf	9,978 ccf	7,425 ccf	8,916 ccf	7,640 ccf	13,296 ccf	6,781 ccf	10,183 ccf	7,511 ccf	10,431 ccf	7,228 ccf	10,502 ccf	106,161 ccf
Flat	16		0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf
Total	**1,933**	**0**	**106,161 ccf**	**6,270 ccf**	**9,978 ccf**	**7,425 ccf**	**8,916 ccf**	**7,640 ccf**	**13,296 ccf**	**6,781 ccf**	**10,183 ccf**	**7,511 ccf**	**10,431 ccf**	**7,228 ccf**	**10,502 ccf**	**106,161 ccf**
			SFR Water/Month	6%	6%	6%	5%	5%	8%	8%	11%	16%	14%	9%	6%	

Multi-Family	Accounts	Units	Annual Usage	January	February	March	April	May	June	July	August	September	October	November	December	Total
				Total Consumption (Bi-Monthly ccf)												
All	99	1,594	60,623 ccf	3,208 ccf	7,205 ccf	3,594 ccf	5,865 ccf	3,366 ccf	7,579 ccf	3,190 ccf	6,335 ccf	3,322 ccf	6,611 ccf	3,241 ccf	7,109 ccf	60,624 ccf
Total	**99**	**1,594**	**60,623 ccf**	**3,208 ccf**	**7,205 ccf**	**3,594 ccf**	**5,865 ccf**	**3,366 ccf**	**7,579 ccf**	**3,190 ccf**	**6,335 ccf**	**3,322 ccf**	**6,611 ccf**	**3,241 ccf**	**7,109 ccf**	**60,624 ccf**
			MFR Water/Month	5%	11%	6%	9%	5%	12%	5%	11%	6%	12%	6%	11%	

Non-Residential	Accounts	Units	Annual Usage	January	February	March	April	May	June	July	August	September	October	November	December	Total
				Total Consumption (Bi-Monthly ccf)												
Commercial	193		46,427 ccf	1,049 ccf	5,179 ccf	780 ccf	4,361 ccf	926 ccf	6,182 ccf	1,180 ccf	7,432 ccf	1,809 ccf	9,053 ccf	1,417 ccf	7,059 ccf	46,427 ccf
Commercial Flat	1															0 ccf
Other																0 ccf
Government	22		9,706 ccf	519 ccf	468 ccf	274 ccf	555 ccf	589 ccf	790 ccf	705 ccf	1,582 ccf	790 ccf	1,719 ccf	983 ccf	926 ccf	9,900 ccf
Total	**216**	**0**	**56,133 ccf**	**1,568 ccf**	**5,647 ccf**	**1,054 ccf**	**4,916 ccf**	**1,515 ccf**	**6,972 ccf**	**1,885 ccf**	**9,014 ccf**	**2,599 ccf**	**10,772 ccf**	**2,400 ccf**	**7,985 ccf**	**56,327 ccf**
			COM & Gov Water/Month	2%	10%	2%	9%	3%	13%	3%	16%	5%	19%	4%	14%	
			Other Water/Month													

SIS	Accounts	Units	Annual Usage	January	February	March	April	May	June	July	August	September	October	November	December	Total
				Total Consumption (Bi-Monthly ccf)												
With Grinder Pump	145	140														0 ccf
No Pump	118	208														0 ccf
Total	**262**	**347**	**0 ccf**	**0 ccf**	**0 ccf**	**0 ccf**	**0 ccf**	**0 ccf**	**0 ccf**	**0 ccf**	**0 ccf**	**0 ccf**	**0 ccf**	**0 ccf**	**0 ccf**	**0 ccf**

System Total	**2,510**	**1,941**	**222,916 ccf**	**11,046 ccf**	**22,830 ccf**	**12,073 ccf**	**19,697 ccf**	**12,521 ccf**	**27,847 ccf**	**11,856 ccf**	**25,532 ccf**	**13,432 ccf**	**27,814 ccf**	**12,869 ccf**	**25,596 ccf**	**223,111 ccf**
	10.45%															

Accounts & Billed Consumption

Single-Family	Accounts	Units	Annual Usage	January	February	March	April	May	June	July	August	September	October	November	December	Total
				Billed Consumption (Bi-Monthly ccf)												
SFR	1,917	0	109,760 ccf	6,270 ccf	9,978 ccf	7,425 ccf	8,916 ccf	7,640 ccf	13,296 ccf	9,147 ccf	9,147 ccf	9,147 ccf	9,147 ccf	9,147 ccf	10,502 ccf	109,760 ccf
Flat	16	0	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf
Total	**1,933**	**0**	**109,760 ccf**	**6,270 ccf**	**9,978 ccf**	**7,425 ccf**	**8,916 ccf**	**7,640 ccf**	**13,296 ccf**	**9,147 ccf**	**9,147 ccf**	**9,147 ccf**	**9,147 ccf**	**9,147 ccf**	**10,502 ccf**	**109,760 ccf**

Multi-Family	Accounts	Units	Annual Usage	January	February	March	April	May	June	July	August	September	October	November	December	Total
				Billed Consumption (Bi-Monthly ccf)												
All	99	1,594	65,015 ccf	3,208 ccf	7,205 ccf	3,594 ccf	5,865 ccf	3,366 ccf	7,579 ccf	5,418 ccf	5,418 ccf	5,418 ccf	5,418 ccf	5,418 ccf	7,109 ccf	65,015 ccf
Total	**99**	**1,594**	**65,015 ccf**	**3,208 ccf**	**7,205 ccf**	**3,594 ccf**	**5,865 ccf**	**3,366 ccf**	**7,579 ccf**	**5,418 ccf**	**5,418 ccf**	**5,418 ccf**	**5,418 ccf**	**5,418 ccf**	**7,109 ccf**	**65,015 ccf**

Non-Residential	Accounts	Units	Annual Usage	January	February	March	April	May	June	July	August	September	October	November	December	Total
				Billed Consumption (Bi-Monthly ccf)												
Commercial	193	0	46,427 ccf	1,049 ccf	5,179 ccf	780 ccf	4,361 ccf	926 ccf	6,182 ccf	1,180 ccf	7,432 ccf	1,809 ccf	9,053 ccf	1,417 ccf	7,059 ccf	46,427 ccf
Commercial Flat	1	0	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf
Other	0	0	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf
Government	22	0	9,900 ccf	519 ccf	468 ccf	274 ccf	555 ccf	589 ccf	790 ccf	705 ccf	1,582 ccf	790 ccf	1,719 ccf	983 ccf	926 ccf	9,900 ccf
Total	**216**	**0**	**56,327 ccf**	**1,568 ccf**	**5,647 ccf**	**1,054 ccf**	**4,916 ccf**	**1,515 ccf**	**6,972 ccf**	**1,885 ccf**	**9,014 ccf**	**2,599 ccf**	**10,772 ccf**	**2,400 ccf**	**7,985 ccf**	**56,327 ccf**

SIS	Accounts	Units	Annual Usage	January	February	March	April	May	June	July	August	September	October	November	December	Total
				Billed Consumption (Bi-Monthly ccf)												
With Grinder Pump	145	140	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf
No Pump	118	208	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf
Total	**262**	**347**	**0 ccf**	**0 ccf**	**0 ccf**	**0 ccf**	**0 ccf**	**0 ccf**	**0 ccf**	**0 ccf**	**0 ccf**	**0 ccf**	**0 ccf**	**0 ccf**	**0 ccf**	**0 ccf**

System Total	**2,510**	**1,941**	**231,102 ccf**	**11,046 ccf**	**22,830 ccf**	**12,073 ccf**	**19,697 ccf**	**12,521 ccf**	**27,847 ccf**	**16,450 ccf**	**23,579 ccf**	**17,164 ccf**	**25,337 ccf**	**16,965 ccf**	**25,596 ccf**	**231,102 ccf**
	10.45%															

City of Bainbridge Island
Sewer Rate and SPF Model
Price Out of Customer Data

2021

	2021 Rates	
	Meter Charge	Volume Charge
	Monthly	Per ccf
Single-Family		
SFR	$42.69	$7.28
Flat	$119.80	
Multi-Family		
All	$37.39	$7.28
Non-Residential		
Commercial	$131.26	$9.90
Commercial Flat	$160.89	
Other		
Government	$131.26	$9.90

Calculated Revenue			
	Base Revenue	Volume Revenue	Total Revenue
	$ 981,955	$ 799,053	$ 1,781,008
	23,481		23,481
	$ 715,269	$ 473,312	$ 1,188,581
	$ 303,473	$ 459,627	$ 763,100
	1,931		1,931
	34,653	98,010	132,663
	$ 2,060,761	**$ 1,830,002**	**$ 3,890,764**

2021 Actual Revenue			
	Base Revenue	Volume Revenue	Total Revenue
	$ 952,485	$ 753,828	$ 1,706,313
	21,829		21,829
			-
	$ 715,269	$ 440,967	$ 1,156,236
			-
	$ 319,327	$ 452,918	$ 772,245
	$ 1,909		1,909
	$ 33,936	$ 97,614	131,550
	$ 2,044,756	**$ 1,745,326**	**$ 3,790,082**

2021 Rates - SIS		
	Meter Charge	Volume Charge
	Monthly	Per ccf
SIS		
KCSD #7 Base	$60.77	
With Grinder Pump	$28.22	
No Pump	$23.23	

Calculated Revenue - SIS			
	Base Revenue	Volume Revenue	Total Revenue
	$ 253,257		$ 253,257
	47,295		47,295
	57,878		57,878
	$ 358,431	**$ -**	**$ 358,431**

2021 Actual Revenue			
	Base Revenue	Volume Revenue	Total Revenue
	$ 256,499		$ 256,499
	$ 47,841		47,841
	58,572		58,572
	$ 362,912	**$ -**	**$ 362,912**

Price Out of 2021 Customer Data	
Estimated Revenue	$ 4,249,194
Reported Revenue	$ 4,119,520
Percent Difference	**-3.05%**

Bill Details Revenue	
Estimated Revenue	$ 4,249,194
Reported Revenue	$ 4,152,994
Percent Difference	**-2.26%**

City of Bainbridge Island
Sewer Rate and SPF Model
Customer Growth

Charge Code	Description	2016	2017	2018	2019	2020	2021	Years of Growth	5
200000	SEWER BASE /SNGL FAM RES SFR	1,636	1,703	1,728	1,822	1,894	1,918		
270000	SEWER BASE FLAT SNGL FAM RES	15	16	16	16	16	16		
	Total Single Family	1,651	1,719	1,744	1,838	1,910	1,934	5 Year Growth Rate	3.2%
210000	SEWER BASE /MULTI-FAM MFR/UNIT	93	96	97	98	99	99		
	Total Multi Family	93	96	97	98	99	99	5 Year Growth Rate	1.3%
220000	SEWER BASE /COMMERCIAL	201	200	202	210	209	210		
230000	SEWER BASE RATE /OTHER	5	5	5	5	5	5		
282000	SEWER BASE GOVT COMMERCIAL	22	22	20	22	22	21		
272000	SEWER BASE FLAT COMMERCIAL/ERU	1	1	1	1	1	1		
	Total Commercial	229	228	228	238	238	237	5 Year Growth Rate	0.7%
277444	SEWER-NO PUMP-LYNWOOD ERU FLAT	56	56	80	91	112	117		
277888	SEWER+GRIND PUMP LYNWOOD ERU	139	140	141	143	144	144		
	Total SIS	195	196	221	234	256	262	5 Year Growth Rate	6.0%

City of Bainbridge Island
Sewer Rate and SPF Model
Forecast of Customer Data

Growth Assumptions [1]	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Single-Family Account Growth		3.20%	3.20%	3.20%	3.20%	3.20%	3.20%	1.84%	0.41%	0.00%	0.00%
Multi-Family Account Growth		1.30%	1.30%	1.30%	1.30%	1.30%	1.30%	1.30%	0.41%	0.00%	0.00%
Non-Residential Account Growth		0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.41%	0.00%	0.00%
South Island Sewer Account Growth		6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	0.50%	0.00%	0.00%	0.00%
Single-Family Demand Growth		3.20%	3.20%	3.20%	3.20%	3.20%	3.20%	1.84%	0.41%	0.00%	0.00%
Multi-Family Demand Growth		1.30%	1.30%	1.30%	1.30%	1.30%	1.30%	1.30%	0.41%	0.00%	0.00%
Non-Residential Demand Growth		0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.70%	0.41%	0.00%	0.00%
South Island Sewer Demand Growth		6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	0.50%	0.00%	0.00%	0.00%
No Growth		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

[1] Growth Based on Actual Sewer Accounts	**2016-2021**
Single-Family	3.2%
Multi-Family	1.3%
Non-Residential	0.7%
South Island Sewer	6.0%

Single-Family Customer Data Forecast	Growth Assumption	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Customer Counts												
SFR	Single-Family Account Growth	1,858	1,918	1,979	2,043	2,108	2,175	2,245	2,286	2,296	2,296	2,296
Flat	Single-Family Account Growth	16	16	17	17	18	19	19	19	20	20	20
Total Number of Customers		1,874	1,934	1,996	2,060	2,126	2,194	2,264	2,306	2,315	2,315	2,315
ERUs												
SFR		1,858	1,918	1,979	2,043	2,108	2,175	2,245	2,286	2,296	2,296	2,296
Flat		20	20	21	22	22	23	24	24	24	24	24
Total ERUs		1,878	1,938	2,000	2,064	2,130	2,198	2,269	2,311	2,320	2,320	2,320
Total Flow	Single-Family Demand Growth											
SFR		102,921 ccf	106,214 ccf	109,613 ccf	113,121 ccf	116,741 ccf	120,477 ccf	124,332 ccf	126,623 ccf	127,142 ccf	127,142 ccf	127,142 ccf
Flat		907 ccf	936 ccf	966 ccf	997 ccf	1,028 ccf	1,061 ccf	1,095 ccf	1,116 ccf	1,120 ccf	1,120 ccf	1,120 ccf
Total		103,828 ccf	107,150 ccf	110,579 ccf	114,118 ccf	117,769 ccf	121,538 ccf	125,427 ccf	127,739 ccf	128,262 ccf	128,262 ccf	128,262 ccf
Billed Flow	Single-Family Demand Growth											
SFR		106,410 ccf	109,816 ccf	113,330 ccf	116,956 ccf	120,699 ccf	124,561 ccf	128,547 ccf	130,916 ccf	131,452 ccf	131,452 ccf	131,452 ccf
Flat		0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf
Total		106,410 ccf	109,816 ccf	113,330 ccf	116,956 ccf	120,699 ccf	124,561 ccf	128,547 ccf	130,916 ccf	131,452 ccf	131,452 ccf	131,452 ccf
Adopted Monthly Fixed Charges												
SFR		$42.69	$43.54	$47.94	$47.94	$47.94	$47.94	$47.94	$47.94	$47.94	$47.94	$47.94
Flat		$119.80	$122.20	$134.54	$134.54	$134.54	$134.54	$134.54	$134.54	$134.54	$134.54	$134.54
Adopted Volume Charges												
SFR		$7.28	$7.43	$8.18	$8.18	$8.18	$8.18	$8.18	$8.18	$8.18	$8.18	$8.18
Flat		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Estimated Revenue At Adopted Rates:												
Base Charges		$ 974,753	$ 1,025,977	$ 1,165,806	$ 1,203,112	$ 1,241,612	$ 1,281,343	$ 1,322,346	$ 1,346,716	$ 1,352,230	$ 1,352,230	$ 1,352,230
Consumption Charges		774,668	815,930	927,036	956,702	987,316	1,018,910	1,051,515	1,070,894	1,075,278	1,075,278	1,075,278
Total		$ 1,749,421	$ 1,841,907	$ 2,092,843	$ 2,159,814	$ 2,228,928	$ 2,300,253	$ 2,373,862	$ 2,417,609	$ 2,427,508	$ 2,427,508	$ 2,427,508

Check O.K.

City of Bainbridge Island
Sewer Rate and SPF Model
Forecast of Customer Data

Multi-Family Customer Data Forecast	Growth Assumption	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Customer Counts												
All	Multi-Family Account Growth	96	97	98	100	101	102	104	105	105	105	105
Total Number of Accounts		96	97	98	100	101	102	104	105	105	105	105
Unit Counts												
All	Multi-Family Account Growth	1,546	1,566	1,586	1,607	1,627	1,649	1,670	1,692	1,699	1,699	1,699
Total Number of Units		1,546	1,566	1,586	1,607	1,627	1,649	1,670	1,692	1,699	1,699	1,699
ERUs												
All		1,546	1,566	1,586	1,607	1,627	1,649	1,670	1,692	1,699	1,699	1,699
Total ERUs		1,546	1,566	1,586	1,607	1,627	1,649	1,670	1,692	1,699	1,699	1,699
Total Flow	Multi-Family Demand Growth											
All		58,774 ccf	59,538 ccf	60,312 ccf	61,096 ccf	61,890 ccf	62,694 ccf	63,509 ccf	64,335 ccf	64,598 ccf	64,598 ccf	64,598 ccf
Total		58,774 ccf	59,538 ccf	60,312 ccf	61,096 ccf	61,890 ccf	62,694 ccf	63,509 ccf	64,335 ccf	64,598 ccf	64,598 ccf	64,598 ccf
Billed Flow	Multi-Family Demand Growth											
All		63,031 ccf	63,851 ccf	64,681 ccf	65,522 ccf	66,373 ccf	67,236 ccf	68,110 ccf	68,996 ccf	69,278 ccf	69,278 ccf	69,278 ccf
Total		63,031 ccf	63,851 ccf	64,681 ccf	65,522 ccf	66,373 ccf	67,236 ccf	68,110 ccf	68,996 ccf	69,278 ccf	69,278 ccf	69,278 ccf
Adopted Monthly Fixed Charges												
All		$37.39	$38.14	$41.99	$41.99	$41.99	$41.99	$41.99	$41.99	$41.99	$41.99	$41.99
Adopted Volume Charges												
All		$7.28	$7.43	$8.18	$8.18	$8.18	$8.18	$8.18	$8.18	$8.18	$8.18	$8.18
Estimated Revenue At Adopted Rates:												
Base Charges		$ 693,441	$ 716,546	$ 799,132	$ 809,521	$ 820,045	$ 830,705	$ 841,505	$ 852,444	$ 855,934	$ 855,934	$ 855,934
Consumption Charges		458,868	474,411	529,089	535,967	542,935	549,993	557,143	564,386	566,696	566,696	566,696
Total		$ 1,152,309	$ 1,190,957	$ 1,328,221	$ 1,345,488	$ 1,362,979	$ 1,380,698	$ 1,398,647	$ 1,416,830	$ 1,422,631	$ 1,422,631	$ 1,422,631
		Check O.K.										

City of Bainbridge Island
Sewer Rate and SPF Model
Forecast of Customer Data

Non-Residential Customer Data Forecast		2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Customer Counts	**Growth Assumption**											
Commercial	Non-Residential Account Growth	187	188	189	191	192	193	195	196	197	197	197
Commercial Flat	Non-Residential Account Growth	1	1	1	1	1	1	1	1	1	1	1
Other	Non-Residential Account Growth	0	0	0	0	0	0	0	0	0	0	0
Government	Non-Residential Account Growth	21	21	22	22	22	22	22	22	22	22	22
Total Number of Customers		209	211	212	214	215	217	218	220	220	220	220
ERUs												
Commercial		863	869	875	881	888	894	900	906	910	910	910
Commercial Flat		4	5	5	5	5	5	5	5	5	5	5
Other		0	0	0	0	0	0	0	0	0	0	0
Government		93	94	95	95	96	97	97	98	98	98	98
Total ERUs		961	968	974	981	988	995	1,002	1,009	1,013	1,013	1,013
Total Flow	Non-Residential Demand Growth											
Commercial		45,010 ccf	45,325 ccf	45,643 ccf	45,962 ccf	46,284 ccf	46,608 ccf	46,934 ccf	47,263 ccf	47,456 ccf	47,456 ccf	47,456 ccf
Commercial Flat		234 ccf	235 ccf	237 ccf	239 ccf	240 ccf	242 ccf	244 ccf	245 ccf	246 ccf	246 ccf	246 ccf
Other		0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf
Government		9,598 ccf	9,665 ccf	9,733 ccf	9,801 ccf	9,869 ccf	9,939 ccf	10,008 ccf	10,078 ccf	10,119 ccf	10,119 ccf	10,119 ccf
Total		54,842 ccf	55,226 ccf	55,612 ccf	56,001 ccf	56,393 ccf	56,788 ccf	57,186 ccf	57,586 ccf	57,822 ccf	57,822 ccf	57,822 ccf
Billed Flow	Non-Residential Demand Growth											
Commercial		45,010 ccf	45,325 ccf	45,643 ccf	45,962 ccf	46,284 ccf	46,608 ccf	46,934 ccf	47,263 ccf	47,456 ccf	47,456 ccf	47,456 ccf
Commercial Flat		0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf
Other		0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf	0 ccf
Government		9,598 ccf	9,665 ccf	9,733 ccf	9,801 ccf	9,869 ccf	9,939 ccf	10,008 ccf	10,078 ccf	10,119 ccf	10,119 ccf	10,119 ccf
Total		54,608 ccf	54,990 ccf	55,375 ccf	55,763 ccf	56,153 ccf	56,546 ccf	56,942 ccf	57,341 ccf	57,575 ccf	57,575 ccf	57,575 ccf
Adopted Monthly Fixed Charges												
Commercial		$131.26	$133.89	$147.41	$147.41	$147.41	$147.41	$147.41	$147.41	$147.41	$147.41	$147.41
Commercial Flat		$160.89	$164.11	$180.69	$180.69	$180.69	$180.69	$180.69	$180.69	$180.69	$180.69	$180.69
Other		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Government		$131.26	$133.89	$147.41	$147.41	$147.41	$147.41	$147.41	$147.41	$147.41	$147.41	$147.41
Adopted Volume Charges												
Commercial		$9.90	$10.10	$11.12	$11.12	$11.12	$11.12	$11.12	$11.12	$11.12	$11.12	$11.12
Commercial Flat		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Other		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Government		$9.90	$10.10	$11.12	$11.12	$11.12	$11.12	$11.12	$11.12	$11.12	$11.12	$11.12
Estimated Revenue At Adopted Rates:												
Base Charges		$ 329,679	$ 338,638	$ 375,444	$ 378,072	$ 380,718	$ 383,383	$ 386,067	$ 388,769	$ 390,361	$ 390,361	$ 390,361
Consumption Charges		540,620	555,402	615,773	620,083	624,424	628,795	633,196	637,629	640,239	640,239	640,239
Total		$ 870,299	$ 894,041	$ 991,216	$ 998,155	$ 1,005,142	$ 1,012,178	$ 1,019,263	$ 1,026,398	$ 1,030,600	$ 1,030,600	$ 1,030,600
		Check O.K.										
Estimated Revenue At Adopted Rates - Winslow												
Base Charges		$ 1,997,873	$ 2,081,162	$ 2,340,382	$ 2,390,705	$ 2,442,375	$ 2,495,432	$ 2,549,918	$ 2,587,929	$ 2,598,525	$ 2,598,525	$ 2,598,525
Consumption Charges		1,774,156	1,845,743	2,071,898	2,112,752	2,154,674	2,197,698	2,241,854	2,272,908	2,282,214	2,282,214	2,282,214
Total		$ 3,772,028	$ 3,926,904	$ 4,412,280	$ 4,503,456	$ 4,597,049	$ 4,693,129	$ 4,791,772	$ 4,860,837	$ 4,880,739	$ 4,880,739	$ 4,880,739
		Check O.K.										

City of Bainbridge Island
Sewer Rate and SPF Model
Forecast of Customer Data

South Island Sewer Customer Data Forecast		2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Customer Counts	**Growth Assumption**											
With Grinder Pump	South Island Sewer Account Growth	140	148	157	167	177	187	199	200	200	200	200
No Pump	South Island Sewer Account Growth	114	121	128	136	144	153	162	163	163	163	163
Total Number of Customers		254	270	286	303	321	340	361	363	363	363	363
ERUs												
With Grinder Pump	South Island Sewer Account Growth	135	144	152	161	171	181	192	193	193	193	193
No Pump	South Island Sewer Account Growth	201	213	226	240	254	269	286	287	287	287	287
Total Number of ERUs		337	357	378	401	425	451	478	480	480	480	480
Adopted Monthly Fixed Charges												
With Grinder Pump		$28.22	$28.78	$31.69	$31.69	$31.69	$31.69	$31.69	$31.69	$31.69	$31.69	$31.69
No Pump		$23.23	$23.69	$26.08	$26.08	$26.08	$26.08	$26.08	$26.08	$26.08	$26.08	$26.08
Adopted KCSD #7 Base Charges												
With Grinder Pump		$60.77	$62.59	$62.59	$62.59	$62.59	$62.59	$62.59	$62.59	$62.59	$62.59	$62.59
No Pump		$60.77	$62.59	$62.59	$62.59	$62.59	$62.59	$62.59	$62.59	$62.59	$62.59	$62.59
Estimated Revenue At Adopted Rates:												
Base Charges		$ 101,964	$ 110,224	$ 128,636	$ 136,355	$ 144,536	$ 153,208	$ 162,400	$ 163,216	$ 163,216	$ 163,216	$ 163,216
KPSD #7 Base Charges		245,529	268,055	284,138	301,186	319,257	338,413	358,718	360,518	360,518	360,518	360,518
Total		$ 347,492	$ 378,279	$ 412,774	$ 437,541	$ 463,793	$ 491,621	$ 521,118	$ 523,734	$ 523,734	$ 523,734	$ 523,734
		Check O.K.										

Estimated Revenue At Adopted Rates - Total System	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Base Charges	$ 2,099,836	$ 2,191,386	$ 2,469,018	$ 2,527,059	$ 2,586,910	$ 2,648,640	$ 2,712,318	$ 2,751,145	$ 2,761,741	$ 2,761,741	$ 2,761,741
Consumption Charges	2,019,684	2,113,797	2,356,036	2,413,938	2,473,932	2,536,111	2,600,572	2,633,426	2,642,732	2,642,732	2,642,732
Total	$ 4,119,520	$ 4,305,183	$ 4,825,055	$ 4,940,997	$ 5,060,842	$ 5,184,750	$ 5,312,890	$ 5,384,571	$ 5,404,473	$ 5,404,473	$ 5,404,473

Check: Actual 2021 Revenue $ 4,119,520

City of Bainbridge Island
Sewer Rate and SPF Model
Rate Table

Single-Family Residential Rates	Adopted 2021	Adopted 2022	With ATB Rate Increases (Including City Utility Tax) 2023	2024	2025	2026	2027
Meter Charge	$42.69	$43.54	$47.94	$51.30	$52.32	$53.37	$54.44
Volume Charge per 100 Cubic Feet	$7.28	$7.43	$8.18	$8.75	$8.93	$9.11	$9.29
Flat Rate	$119.80	$122.20	$134.54	$143.96	$146.84	$149.77	$152.77

Multi-Family Residential Rates	Adopted 2021	Adopted 2022	With ATB Rate Increases (Including City Utility Tax) 2023	2024	2025	2026	2027
Meter Charge	$37.39	$38.14	$41.99	$44.93	$45.83	$46.74	$47.68
Volume Charge per 100 Cubic Feet	$7.28	$7.43	$8.18	$8.75	$8.93	$9.11	$9.29

Non-Residential Rates	Adopted 2021	Adopted 2022	With ATB Rate Increases (Including City Utility Tax) 2023	2024	2025	2026	2027
Meter Charge	$131.26	$133.89	$147.41	$157.73	$160.88	$164.10	$167.38
Volume Charge per 100 Cubic Feet	$9.90	$10.10	$11.12	$11.90	$12.14	$12.38	$12.63
Flat Rate	$160.89	$164.11	$180.69	$193.34	$197.21	$201.15	$205.17

South Island Rates	Adopted 2021	Adopted 2022	With ATB Rate Increases (Including City Utility Tax) 2023	2024	2025	2026	2027
KPSD #7	$60.77	$62.59	$62.59	$62.59	$62.59	$62.59	$62.59
With Grinder Pump	$28.22	$28.78	$31.69	$33.91	$34.59	$35.28	$35.98
No Pump	$23.23	$23.69	$26.08	$27.91	$28.46	$29.03	$29.61

Projected Revenue						
Single-Family	$ 2,092,843	$ 2,311,001	$ 2,432,652	$ 2,560,707	$ 2,695,502
Multi-Family	1,328,221	1,439,672	1,487,556	1,537,032	1,588,153
Non-Residential	991,216	1,068,026	1,097,012	1,126,785	1,157,366
SIS	412,774	447,086	477,004	508,968	543,122
Total	$ 4,825,055	$ 5,265,784	$ 5,494,223	$ 5,733,491	$ 5,984,143
Check: Revenue Requirement	$ -	$ -	$ -	$ -	$ -

Historical CPI -Seattle-Tacoma-Bellevue

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Avg.	% Annual Avg	% June to June Avg	
2004		194		194		195		195		197		195	195			
2005		198		201		200		200		203		201	200	2.86%	2.30%	**10-Year Average June to June**
2006		204		207		208		210		210		209	208	3.75%	4.20%	3.18%
2007		212		216		216		216		218		219	216	3.88%	3.51%	
2008		222		223		228		228		226		223	225	4.08%	5.83%	
2009		225		226		227		227		226		226	226	0.57%	-0.36%	**5-Year Annual Average**
2010		226		227		226		228		227		227	227	0.26%	-0.50%	4.25%
2011		229		231		233		234		236		235	233	2.80%	3.15%	**10-Year Annual Average**
2012		236		238		240		240		241		238	239	2.44%	2.70%	3.10%
2013		240		241		243		243		243		241	242	1.21%	1.37%	
2014		243		247		248		247		248		245	246	1.86%	1.99%	
2015		245		248		252		252		251		250	250	1.38%	1.61%	
2016		251		254		256		257		257		257	255	2.27%	1.78%	
2017		260		262		264		263		265		266	263	3.08%	2.99%	
2018		268		270		272		272		273		273	271	3.15%	3.28%	
2019		275		277		279		280		279		279	278	2.50%	2.29%	
2020		282		280		281		285		285		283	283	1.64%	0.87%	
2021		287		290		297		300		303		305	297	5.00%	5.52%	
2022		310		317		327		327		330		330	323	8.95%	10.14%	

Construction Cost Index - 20 City Average

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Average
2002	6,462	6,462	6,502	6,480	6,512	6,532	6,605	6,592	6,589	6,579	6,578	6,563	6,538
2003	6,581	6,640	6,627	6,635	6,642	6,694	6,696	6,733	6,741	6,771	6,794	6,782	6,695
2004	6,825	6,861	6,957	7,017	7,064	7,109	7,126	7,188	7,298	7,314	7,312	7,308	7,115
2005	7,297	7,298	7,309	7,355	7,398	7,415	7,422	7,479	7,540	7,563	7,630	7,647	7,446
2006	7,660	7,689	7,692	7,695	7,691	7,700	7,721	7,723	7,763	7,883	7,911	7,888	7,751
2007	7,880	7,880	7,856	7,856	7,942	7,939	7,959	8,007	8,050	8,045	8,092	8,089	7,966
2008	8,090	8,094	8,109	8,112	8,141	8,185	8,293	8,362	8,557	8,623	8,602	8,551	8,310
2009	8,549	8,533	8,534	8,528	8,574	8,578	8,566	8,564	8,586	8,596	8,592	8,641	8,570
2010	8,660	8,672	8,671	8,677	8,761	8,805	8,865	8,858	8,857	8,921	8,951	8,952	8,804
2011	8,938	8,998	9,011	9,027	9,035	9,053	9,080	9,088	9,116	9,147	9,173	9,172	9,070
2012	9,176	9,198	9,268	9,273	9,290	9,291	9,324	9,351	9,341	9,376	9,398	9,412	9,308
2013	9,437	9,453	9,456	9,484	9,516	9,542	9,552	9,545	9,552	9,689	9,666	9,668	9,547
2014	9,664	9,681	9,702	9,750	9,796	9,800	9,835	9,846	9,870	9,886	9,912	9,936	9,807
2015	9,972	9,962	9,972	9,992	9,975	10,036	10,037	10,039	10,065	10,128	10,092	10,135	10,034
2016	10,133	10,182	10,242	10,280	10,315	10,337	10,379	10,386	10,403	10,435	10,443	10,531	10,339
2017	10,542	10,559	10,667	10,678	10,692	10,703	10,789	10,826	10,823	10,817	10,870	10,873	10,737
2018	10,878	10,889	10,959	10,972	11,013	11,069	11,116	11,124	11,170	11,183	11,184	11,186	11,062
2019	11,206	11,213	11,228	11,228	11,230	11,268	11,293	11,311	11,311	11,326	11,381	11,381	11,281
2020	11,392	11,396	11,397	11,413	11,418	11,436	11,439	11,455	11,499	11,539	11,579	11,626	11,466
2021	11,628	11,699	11,750	11,849	11,990	12,112	12,237	12,463	12,464	12,464	12,647	12,481	12,149
2022	12,556	12,684	12,791	12,899	13,004	13,111	13,168	13,171	13,173	13,175	13,175	13,175	13,007

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Average	
2003	1.84%	2.75%	1.92%	2.39%	2.00%	2.48%	1.38%	2.14%	2.31%	2.92%	3.28%	3.34%	2.40%	
2004	3.71%	3.33%	4.98%	5.76%	6.35%	6.20%	6.42%	6.76%	8.26%	8.02%	7.62%	7.76%	6.28%	
2005	6.92%	6.37%	5.06%	4.82%	4.73%	4.30%	4.15%	4.05%	3.32%	3.40%	4.35%	4.64%	4.65%	
2006	4.97%	5.36%	5.24%	4.62%	3.96%	3.84%	4.03%	3.26%	2.96%	4.23%	3.68%	3.15%	4.10%	
2007	2.87%	2.48%	2.13%	2.09%	3.26%	3.10%	3.08%	3.68%	3.70%	2.06%	2.29%	2.55%	2.77%	**5-Year Average**
2008	2.66%	2.72%	3.22%	3.26%	2.51%	3.10%	4.20%	4.43%	6.30%	7.18%	6.31%	5.72%	4.31%	3.93%
2009	5.67%	5.42%	5.24%	5.13%	5.32%	4.80%	3.29%	2.41%	0.34%	-0.31%	-0.12%	1.05%	3.13%	**10-Year Average**
2010	1.30%	1.63%	1.61%	1.74%	2.18%	2.64%	3.49%	3.44%	3.16%	3.77%	4.18%	3.60%	2.73%	3.42%
2011	3.21%	3.76%	3.92%	4.04%	3.12%	2.81%	2.43%	2.60%	2.92%	2.54%	2.49%	2.45%	3.02%	
2012	2.66%	2.23%	2.85%	2.72%	2.82%	2.64%	2.68%	2.89%	2.47%	2.50%	2.45%	2.62%	2.63%	
2013	2.85%	2.77%	2.03%	2.27%	2.44%	2.70%	2.45%	2.08%	2.25%	3.34%	2.85%	2.71%	2.56%	
2014	2.40%	2.41%	2.60%	2.80%	2.94%	2.70%	2.96%	3.15%	3.33%	2.04%	2.54%	2.78%	2.72%	
2015	3.19%	2.90%	2.79%	2.49%	1.83%	2.41%	2.06%	1.96%	1.98%	2.45%	1.82%	2.00%	2.32%	
2016	1.61%	2.21%	2.70%	2.88%	3.41%	3.00%	3.41%	3.46%	3.36%	3.02%	3.47%	3.91%	3.04%	
2017	4.04%	3.70%	4.15%	3.87%	3.65%	3.54%	3.95%	4.24%	4.03%	3.67%	4.09%	3.25%	3.85%	
2018	3.19%	3.13%	2.73%	2.75%	3.00%	3.42%	3.03%	2.75%	3.21%	3.39%	2.89%	2.87%	3.03%	
2019	3.01%	2.97%	2.46%	2.34%	1.97%	1.81%	1.59%	1.68%	1.26%	1.28%	1.76%	1.75%	1.98%	
2020	1.67%	1.63%	1.51%	1.64%	1.68%	1.49%	1.30%	1.27%	1.66%	1.88%	1.74%	2.15%	1.63%	
2021	2.07%	2.66%	3.10%	3.83%	5.01%	5.91%	6.98%	8.80%	8.39%	8.02%	9.22%	7.35%	5.96%	
2022	7.98%	8.42%	8.87%	8.86%	8.46%	8.24%	7.61%	5.68%	5.69%	5.70%	4.17%	5.56%	7.06%	

Local Government Investment Pool

Year	WA	
1997	5.46%	
1998	5.41%	
1999	5.03%	
2000	6.18%	
2001	4.19%	
2002	1.79%	
2003	1.16%	
2004	1.32%	**Ten Year Average**
2005	3.17%	0.84%
2006	4.90%	**Five Year Average**
2007	5.09%	1.32%
2008	2.68%	**Three Year Average**
2009	0.70%	0.80%
2010	0.26%	
2011	0.17%	
2012	0.16%	
2013	0.14%	
2014	0.10%	
2015	0.16%	
2016	0.47%	
2017	0.96%	
2018	1.90%	
2019	2.31%	
2020	0.64%	
2021	0.11%	
2022	1.66%	

Year	ENR	
1890	167	
1920	201	20.13%
1921	202	0.61%
1922	174	-13.86%
1923	214	22.99%
1924	215	0.47%
1925	207	-3.72%
1926	208	0.48%
1927	206	-0.96%
1928	207	0.49%
1929	207	0.00%
1930	203	-1.93%
1931	181	-10.84%
1932	157	-13.26%
1933	170	8.28%
1934	198	16.47%
1935	196	-1.01%
1936	206	5.10%
1937	235	14.08%
1938	236	0.43%
1939	236	0.00%
1940	242	2.54%
1941	258	6.61%
1942	276	6.98%
1943	290	5.07%
1944	299	3.10%
1945	308	3.01%
1946	346	12.34%
1947	413	19.36%
1948	461	11.62%
1949	477	3.47%
1950	510	6.92%
1951	543	6.47%
1952	569	4.79%
1953	600	5.45%
1954	628	4.67%
1955	660	5.10%
1956	692	4.85%
1957	724	4.62%
1958	759	4.83%
1959	797	5.01%
1960	824	3.39%
1961	847	2.79%
1962	872	2.95%
1963	901	3.33%
1964	936	3.88%
1965	971	3.74%
1966	1,019	4.94%
1967	1,074	5.40%

Bond Buyer Index	
Year	Annual Avg.
1920	2.39%
1921	2.39%
1922	2.39%
1923	2.39%
1924	2.39%
1925	2.39%
1926	2.39%
1927	2.39%
1928	2.39%
1929	2.39%
1930	2.39%
1931	2.39%
1932	2.39%
1933	2.39%
1934	2.39%
1935	2.39%
1936	2.39%
1937	2.39%
1938	2.39%
1939	2.39%
1940	2.39%
1941	2.39%
1942	2.39%
1943	2.39%
1944	2.39%
1945	2.39%
1946	2.39%
1947	2.39%
1948	2.39%
1949	2.39%
1950	2.39%
1951	2.39%
1952	2.39%
1953	2.74%
1954	2.39%
1955	2.48%
1956	2.76%
1957	3.28%
1958	3.16%
1959	3.56%
1960	3.52%
1961	3.45%
1962	3.15%
1963	3.17%
1964	3.21%
1965	3.26%
1966	3.81%

1968	1,155	7.54%
1969	1,269	9.87%
1970	1,381	8.83%
1971	1,581	14.48%
1972	1,753	10.88%
1973	1,895	8.10%
1974	2,020	6.60%
1975	2,212	9.50%
1976	2,401	8.54%
1977	2,576	7.29%
1978	2,776	7.76%
1979	3,003	8.18%
1980	3,237	7.79%
1981	3,535	9.21%
1982	3,825	8.20%
1983	4,066	6.30%
1984	4,146	1.97%
1985	4,195	1.18%
1986	4,295	2.38%
1987	4,406	2.58%
1988	4,519	2.56%
1989	4,615	2.12%
1990	4,732	2.54%
1991	4,835	2.18%
1992	4,985	3.10%
1993	5,210	4.53%
1994	5,408	3.78%
1995	5,471	1.18%
1996	5,622	2.76%
1997	5,825	3.61%
1998	5,920	1.64%
1999	6,060	2.35%
2000	6,221	2.67%
2001	6,342	1.94%
2002	6,538	3.09%
2003	6,695	2.40%
2004	7,115	6.28%
2005	7,446	4.65%
2006	7,751	4.10%
2007	7,966	2.77%
2008	8,310	4.31%
2009	8,570	3.13%
2010	8,804	2.73%
2011	9,070	3.02%
2012	9,308	2.63%
2013	9,547	2.56%
2014	9,807	2.72%
2015	10,034	2.32%
2016	10,339	3.04%
2017	10,737	3.85%
2018	11,062	3.03%
2019	11,281	1.98%
2020	11,466	1.63%
2021	12,149	5.96%
2022	13,007	7.06%
2023	13,451	3.42%
2024	13,911	3.42%
2025	14,386	3.42%
2026	14,877	3.42%
2027	15,385	3.42%
2028	15,911	3.42%
2029	16,454	3.42%
2030	17,016	3.42%
2031	17,598	3.42%
2032	18,199	3.42%
2033	18,820	3.42%
2034	19,463	3.42%
2035	20,128	3.42%
2036	20,816	3.42%
2037	21,527	3.42%
2038	22,262	3.42%
2039	23,022	3.42%
2040	23,809	3.42%
2041	24,622	3.42%
2042	25,463	3.42%

Five Year Average
3.93%

Ten Year Average
3.42%

1967	3.94%
1968	4.45%
1969	5.72%
1970	6.33%
1971	5.47%
1972	5.26%
1973	5.19%
1974	6.17%
1975	7.05%
1976	6.64%
1977	5.68%
1978	6.02%
1979	6.52%
1980	8.59%
1981	11.33%
1982	11.66%
1983	9.51%
1984	10.10%
1985	9.10%
1986	7.32%
1987	7.64%
1988	7.68%
1989	7.23%
1990	7.27%
1991	6.92%
1992	6.44%
1993	5.60%
1994	6.18%
1995	5.95%
1996	5.76%
1997	5.52%
1998	5.09%
1999	5.43%
2000	5.71%
2001	5.15%
2002	5.04%
2003	4.75%
2004	4.68%
2005	4.40%
2006	4.40%
2007	4.40%
2008	4.86%
2009	4.62%
2010	4.29%
2011	4.51%
2012	3.73%
2013	4.27%
2014	4.23%
2015	3.66%
2016	3.25%
2017	3.67%
2018	3.96%
2019	3.42%
2020	2.32%
2021	2.19%
2022	3.25%

CITY OF
BAINBRIDGE ISLAND

Department of Public Works Memorandum

Date: May 5, 2023

To: City Manager; City Council

From: Christopher Wierzbicki, Public Works Director

Subject: Minor Revisions to Water and Sewer Rate Study Recommendations

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Background/Purpose

On April 4, 2023, the City Council received a presentation from staff regarding the recommendations for 2023-2025 Water and Sewer Utility rate increases. The Council is considering adopting the recommended rate increases by ordinance at the May 23, 2023 City Council meeting.

The purpose of this memo is to outline several minor revisions to the recommendations which were developed by staff in response to new information and updated sewer project costs. The recommendations were reviewed and accepted by the Utility Advisory Committee on May 3, 2023, and are reflected in the proposed rate ordinance.

Minor Revisions to the Water and Sewer Rate Study Recommendations

Minor revisions were made to the Water and Sewer Utility rate study recommendations resulting from new cost estimates recently received from the city's consultant related to the wastewater treatment plant (WWTP) upgrades and the WWTP outfall extension. Together, the revised costs of these projects added approximately $5M to the 6-year Sewer Utility Capital Improvement plan. In order to adjust to these updated costs, several of the sewer pump station projects were deferred by one year to help spread the costs of improvements out more evenly across the 6 years.

Also resulting from these updated project cost increases are the following revisions to the recommendations:

- The sewer bond issuance projected in 2024 is increased from $5.8 to $6.1 M. An additional $5.2M bond issuance will likely be needed to support the outfall project in 2027. Neither of these changes to the borrowing plan are expected to result in a sewer rate increase above what was originally – and presently – included in the recommendations for 2023-2028.
- System reinvestment funding levels are now set based on the amount of cash left over after operating expenses and debt service have been covered, instead of fixed amounts that drive additional rate increases. This change appropriately recognizes the expected debt burden

on both the water and sewer utilities due to the near-term capital projects. With this change in policy, the sewer utility is expected to begin funding system reinvestment in 2025 while the water utility is expected to begin funding it in 2027. To compensate for these changes, the beginning 2023 balances were adjusted to shift a greater amount of funding to the capital reserves.

- The sewer System Participation Fee, otherwise known as a "connection fee" for new development, is increased by approximately 8% over the original recommendation (for a typical single-family residential connection.)

Lastly, the staff are recommending a policy change to the city's code section 13.16.040, eliminating the ability for owners of property to receive a binding commitment for sewer service with a nonrefundable deposit of 10% of the participation fee. This practice is not common among other municipalities and agencies, and results in both administrative and technical challenges to managing the city's sewer availability program.

ORDINANCE NO. 2023-16

AN ORDINANCE of the City of Bainbridge Island, Washington, updating certain Water and Sewer Utility fees in the City's Fee Schedule, revising the City's Sewer monthly residential Category 1, Single-Family and Category 2, Multiple-Dwelling billing methodology, and repealing Bainbridge Island Municipal Code Section 13.16.040.A.1.

WHEREAS, the City of Bainbridge Island periodically updates the City's Fee Schedule including Water and Sewer fees to reflect City Council actions; and

WHEREAS, studies of the rates, charges, and fees of utility systems are generally conducted on periodic intervals to ensure they provide adequate revenue for the utilities, and to ensure the rates, charges, and fees are, and continue to be, in conformance with state law; and

WHEREAS, last such study was performed and completed by Financial Consulting Solutions Group ("FCS Group") in April 2019 and Council subsequently enacted Ordinance No. 2019-14; and

WHEREAS, in February 2022, the City again engaged the services of FCS Group to evaluate and provide recommendations to the City concerning water and sewer monthly rates and for fees connecting to the City's water or sewerage systems, referred to as a "system participation fee"; and

WHEREAS, on October 25, 2022, the City enacted Resolution No. 2022-27 which identified that specific fee increases that were otherwise scheduled to take effect on January 1, 2023 were not warranted due to their unique nature related to Sections 11.A.I.A (System Participation Fees, Water) and 11.A.I.B. (System Participation Fees, Sewer) of the fee schedule because RCW 35.92.025 authorizes the collection of fees for connecting to water or sewerage systems, referred to as a "system participation fee," based on an equitable share of the cost of the system; and

WHEREAS, FCS Group worked closely with both City staff and the Utility Advisory Committee for several months in reviewing the data and proposed rate adjustments; and

WHEREAS, FCS Group prepared a Water and Sewer Rate Study dated March, 2023, which was accepted by the Utility Advisory Committee recommending revisions to the City's water and sewer monthly rates, revisions to the water and sewer system participation fees, and revisions to the method in which the Category 1, Single-Family and Category 2, Multiple-Dwelling residential sewer bills are calculated; and

WHEREAS, at the March 14, 2023, City Council Study Session, staff presented the March 2023 Water and Sewer Rate Study to the Council recommending revisions to the City's water and sewer rates and revisions to the City's billing method related to the Category 1, Single-Family and Category 2, Multiple-Dwelling billing program; and

WHEREAS, FCS Group submitted the final report to the City dated April, 2023; and

WHEREAS, the City desires to update the City's Fee Schedule to reflect the proposed fee and charge recommendations; and

WHEREAS, on January 10, 2023, the City enacted Ordinance No. 2023-02, which corrected Section 13.16.060.A which previously specified that water and sewer utility charges were subject to an adjustment equal to two percent annually beginning with the first full billing period in 2022 and each year thereafter through 2024, and instead allows that certain water and sewer rates be subject to an adjustment beginning with the first full billing cycle of 2023 and each year thereafter equal to the annual percentage increase in the United States Consumer Price Index, Seattle area ("CPI-U") for June of the preceding year as shown in the release from the Bureau of Labor Statistics, unless the Council determines by December 31st of any year that the adjustment shall be another amount or shall not occur for the next year; and

WHEREAS, City staff following the recommendations of the FCS Group study have identified that further increases to the City's 2023 monthly water rates are necessary; and

WHEREAS, City staff, following the recommendations of the FCS Group study, have further identified that water and sewer fee increases that are otherwise scheduled to take effect on January 2024 and January 2025 according to the provisions of Ordinance No. 2023-02 should be another amount; and

WHEREAS, the City's current mid-June through mid-September Category 1, Single-family and Category 2, Multiple-Dwelling residential sewer invoices for customers are calculated using a flat base rate fee plus a volume charge based on average water consumption from mid-December through mid-May; and

WHEREAS, the City desires to revise the sewer billing methodology for Category 1, Single-Family and Category 2, Multiple-Dwellings residential invoices to include a flat base fee plus a year-round volume charge based on average water consumption from mid-December through mid-May; and

WHEREAS, the City desires a policy and code change to the Bainbridge Island Municipal Code Section 13.16.040.A.1, by eliminating the ability for owners of a property to receive a binding commitment for service with a nonrefundable deposit of 10% of the participation fee, for the purpose of easing the administrative burden and management of Sewer and Water system connection capacity.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF BAINBRIDGE ISLAND, WASHINGTON, DOES ORDAIN AS FOLLOWS:

Section 1. Section 11.A.I.A and Section 11.A.I.B Water and Sewer Participation Fees of the City's Fee Schedule shall be revised as shown in the attached Exhibit A.

Section 2. Section 11.B Water and Sewer Monthly Rates of the City's Fee Schedule shall be revised as shown in the attached Exhibit B.

Section 3. Section 11.B. Category 1, Single-Family and Category 2, Multiple-Dwelling Residential Sewer's monthly volume charges shall be revised and calculated using the average of each property's monthly water consumption from mid-December through mid-May. Properties that do not have water consumption data for the full mid-December through mid-May time period will be assessed sewer consumption charges based on 400 cubic feet (4ccf) per month of water consumption per month for Category 1 and 300 cubic feet (3ccf) for Category 2, which are the current median usage levels of the Single-Family and Multiple-Family residential classes until such time as a mid-December through mid-May average can be calculated.

Section 4. BIMC 13.16.040.A.1 is hereby repealed:

13.16.040 Sewer and water connection – System participation.

A. Regulations~~.~~

~~1. Owners of property requesting a binding commitment for a limited reservation of water or sewer system capacity shall pay, prior to receiving the binding commitment, a nonrefundable deposit equal to 10 percent of the applicable water and sewer system participation fees, as established by resolution of the city council. The balance due on such water and sewer participation fees shall be paid at the time a request to connect is made and prior to connecting to the city's water or sewer system~~.

Section 5. Should any section, paragraph, sentence, clause, or phrase of this ordinance conflict with the terms of any prior ordinance or resolution, including terms related to fee or charge adjustments, the terms of this ordinance shall control.

Section 6. This ordinance shall take effect and be in force June 15, 2023.

PASSED by the City Council this ___ day of May, 2023.

APPROVED by the Mayor this ___ day of May, 2023.

_____
Brenda Fantroy-Johnson, Mayor

ATTEST/AUTHENTICATE:

_____
Christine Brown, MMC, City Clerk

FILED WITH THE CITY CLERK	May 5, 2023
PASSED BY THE CITY COUNCIL	May xx,, 2023
PUBLISHED:	May xx, 2023
EFFECTIVE DATE:	May xx, 2023
ORDINANCE NO:	2023-16

Ordinance No. 2023-16
EXHIBIT A

11. UTILITY FEES

A. CONNECTION TO CITY UTILITIES
(Required by Ordinance No. 82-20)

1. SYSTEM PARTICIPATION FEES
(Ordinance No. 2018-47 2023-16)

A. WATER

(1) Residential – Single Family

Meter Size of:	5/8”	~~$3,806.00~~ $4,750.00
	3/4”	~~$5,709.00~~ $7,125.00
	1”	~~$9,515.00~~ $11,875.00
	1.5”	~~$19,029.00~~ $23,749.00
	2”	~~$30,447.00~~ $37,999.00
	3”	~~$60,893.00~~ $75,998.00
	4”	~~$95,145.00~~ $118,746.00
	6”	~~$190,291.00~~ $237,492.00

(2) Residential – Multi Family

Meter Size of:	5/8”	~~$4,030.00~~ $5,538.00
	3/4”	~~$6,045.00~~ $8,307.00
	1”	~~$10,075.00~~ $13,845.00
	1.5”	~~$20,150.00~~ $27,691.00
	2”	~~$32,240.00~~ $44,305.00
	3”	~~$64,480.00~~ $88,610.00
	4”	~~$100,750.00~~ $138,453.00
	6”	~~$201,499.00~~ $276,905.00

(3) Commercial

Meter Size of:	5/8”	~~$4,030.00~~ $5,538.00
	3/4”	~~$6,045.00~~ $8,307.00
	1”	~~$10,075.00~~ $13,845.00
	1.5”	~~$20,150.00~~ $27,691.00
	2”	~~$32,240.00~~ $44,305.00
	3”	~~$64,480.00~~ $88,610.00
	4”	~~$100,750.00~~ $138,453.00
	6”	~~$201,499.00~~ $276,905.00

(4) Irrigation

Meter Size of:	5/8”	~~$3,357.00~~ $3,173.00
	3/4”	~~$5,036.00~~ $4,760.00
	1”	~~$8,394.00~~ $7,933.00
	1.5”	~~$16,787.00~~ $15,867.00
	2”	~~$26,860.00~~ $25,387.00
	3”	~~$53,720.00~~ $50,773.00
	4”	~~$83,937.00~~ $79,334.00
	6”	~~$167,875.00~~ $158,667.00

B. ~~A.~~ SEWER

WINSLOW

(1) Residential – Single Family ~~$8,187.00~~ $12,884.00 (a flat fee)
(2) Residential – Multi Family ~~$5,079.00~~ $7,993.00 per living unit
(3) Commercial ~~$8,187.00~~ $12,884.00 per ERU

Where “ERU” is defined as each set of 20-fixture units as shown on the schedule of fixture units on file with the City Clerk.

SOUTH ISLAND SEWER

(1) Residential – Single Family ~~$3,751.00~~ $5,694.00 (a flat fee)
(2) Residential – Multi-Family ~~$2,327.00~~ $3,532.00 per living unit
(3) Commercial ~~$3,751.00~~ $5,694.00 per ERU

Where “ERU” is defined as each set of 20-fixture units as shown on the schedule of fixture units on file with the City Clerk.

SEWER PARTICIPATION CHARGE (SEWER DISTRICT NO. 7)
(Kitsap County Sewer District No. 7 Resolution # 2022-03~~17-01~~)

(1) Residential – Single Family $12,013.00 (Flat Fee)
(2) Commercial $12,013.00 per ERU

Where “ERU” is defined as each set of 20-fixture units as shown on the schedule of fixture units on file with the City Clerk.

Ordinance No. 2023-16
EXHIBIT B

WATER RATES

WATER RATES FOR THE WINSLOW, CASEY STREET, & ROCKAWAY BEACH WATER SYSTEMS (Ordinance Nos. 2023-02, 2023-16 ~~2011-26 and 2012-21, Resolution 2018-12~~)				
CATEGORY 1 (SINGLE FAMILY)	Current	6/15/23	1/1/24	1/1/25
Monthly Base Rate per Meter				
Up to 3/4"	$13.98	$15.87	$19.84	$24.80
1"	$27.57	$31.30	$39.13	$48.91
1-1/2"	$50.26	$57.06	$71.33	$89.16
Consumption Charge per 100 Cubic Feet (cf)				
For the first 500 cf per billing period	$1.42	$1.61	$2.02	$2.52
For the next 700 cf per billing period	$2.28	$2.59	$3.24	$4.04
For the next 1,800 cf per billing period	$3.24	$3.68	$4.60	$5.75
For amounts over 3,000 cf per billing period	$4.40	$5.00	$6.24	$7.81
CATEGORY 2 (MULTIPLE DWELLINGS)	Current	6/15/23	1/1/24	1/1/25
Monthly Base Rate per Living Unit	$6.04	$6.86	$8.57	$10.71
Consumption Charge per 100 Cubic Feet (cf)	$1.24	$1.41	$1.76	$2.20
CATEGORY 3 (COMMERCIAL)	Current	6/15/23	1/1/24	1/1/25
Monthly Base Rate per Meter				
Up to 3/4"	$18.34	$20.82	$26.03	$32.53
1"	$40.56	$46.05	$57.56	$71.95
1-1/2"	$77.77	$88.29	$110.37	$137.96
2"	$122.06	$138.58	$173.22	$216.53
3"	$240.61	$273.17	$341.47	$426.83
4"	$373.97	$424.58	$530.72	$663.41
6"	$744.42	$845.16	$1,056.45	$1,320.57
Consumption Charge per 100 Cubic Feet (cf)	$1.73	$1.96	$2.46	$3.07
CATEGORY 4 (INDUSTRIAL) shall pay rates as set by individual contract, which contract shall not provide rates less than any of the categories 1 through 3.				
IRRIGATION SYSTEMS	Current	6/15/23	1/1/24	1/1/25
Monthly Base Rate per Meter				
Up to 3/4"	$4.59	$5.21	$6.51	$8.14
1"	$6.04	$6.86	$8.57	$10.71
1-1/2"	$8.46	$9.60	$12.01	$15.01
2"	$11.37	$12.91	$16.14	$20.17
3"	$19.09	$21.67	$27.09	$33.86
4"	$27.80	$31.56	$39.45	$49.32
6"	$51.98	$59.01	$73.77	$92.21
Consumption Charge per 100 Cubic Feet (cf)	$3.79	$4.30	$5.38	$6.72

WATER FOR CONSUMPTION ON PROJECTS AT CITY LOCATION (Ordinance No. 2003-42)	Current	6/15/23	1/1/24	1/1/25
Consumption Charge per 100 Cubic Feet (cf)	$4.28	$4.86	$6.07	$7.59
Charge for Connection Setup/Delivery	125% of Direct Cost to City			

SEWER RATES

SEWER RATES FOR USERS OF BOTH WATER AND SEWER (Ordinance Nos. 2023-02, 2023-16~~2009-39, 2011-25 and 2012-22~~)			
CATEGORY 1 (SINGLE FAMILY)*	Current	1/1/24	1/1/25
Monthly Base Rate per Living Unit	$47.94	$51.30	$52.32
Consumption Charge per 100 Cubic Feet (cf)*	$8.18	$8.75	$8.93
CATEGORY 2 (MULTIPLE DWELLINGS)*	Current	1/1/24	1/1/25
Monthly Base Rate per Living Unit	$41.99	$44.93	$45.83
Consumption Charge per 100 Cubic Feet (cf)*	$8.18	$8.75	$8.93
CATEGORY 3 (COMMERCIAL)	Current	1/1/24	1/1/25
Monthly Base Rate per Account	$147.41	$157.73	$160.88
Consumption Charge per 100 Cubic Feet (cf)	$11.12	$11.90	$12.14
CATEGORY 4 (INDUSTRIAL) shall pay rates as set by individual contract.			
*Category 1 and Category 2: Sewer monthly consumption charges ~~bills mid-June through mid-September are reduced~~ shall be calculated using the average of each property's ~~billing~~ monthly water consumption from ~~for the prior months of~~ mid-December through mid-May. Properties that do not have water consumption data for the full mid-December through mid-May time period will be assessed sewer consumption charges based on 400 cubic feet (4 ccf) per month for Category 1 and 300 cubic feet (ccf) for Category 2, which are the current median usage levels of the Single-family and Multiple-Dwelling residential classes until such time as an mid-December through mid-May average can be calculated.			

SEWER RATES FOR USERS WITHOUT WATER SERVICE SERVED BY THE WINSLOW WASTEWATER TREATMENT PLANT			
CATEGORY 1 (SINGLE FAMILY)	Current	1/1/24	1/1/25
Monthly Base Rate per Account	$134.54	$143.96	$146.84
CATEGORY 3 (COMMERCIAL)	Current	1/1/24	1/1/25
Monthly Base Rate per Equivalent Residential Unit (ERU)*	$180.69	$193.34	$197.21
Where "ERU" is defined as each set of 20-fixture units as shown on the schedule of fixture units in file with the City Clerk.			

SEWER RATES FOR CUSTOMERS SERVED BY THE KITSAP COUNTY SEWER DISTRICT NO. 7 TREATMENT PLANT (Ordinance Nos. 2023-03, 2023-16~~2009-39~~) Kitsap Sewer District No. 7 Resolution No. 2022-03			
PROPERTIES WITH GRINDER PUMPS	Current	1/1/24	1/1/25
Monthly Rate per ERU – City	$31.69	$33.91	$34.59
Monthly Rate per ERU – Kitsap County Sewer District No. 7*	$67.28 ~~$62.59~~	$67.28 *	$67.28 *
Total Monthly Rate per ERU	$98.97~~$94.28~~	$101.19	$101.87
PROPERTIES WITHOUT GRINDER PUMPS	Current	1/1/24	1/1/25
Monthly Rate per ERU – City	$26.08	$27.91	$28.46
Monthly Rate per ERU – Kitsap County Sewer District No. 7*	$67.28 ~~$62.59~~	$67.28 *	$67.28 *
Total Monthly Rate per ERU	$93.36 ~~$88.67~~	$95.19	$95.74
*The 2023 rate charged by Kitsap County Sewer District No. 7 is $67.28. This is subject to future changes by the District.			



CITY OF BAINBRIDGE ISLAND

NOTICE OF **PROPOSED WATER RATE ADJUSTMENTS**

PROPOSED WATER RATE ADJUSTMENTS

WHY?

For over a decade, water rates were reduced and not increased or adjusted with normal inflation. Some of the city's aging infrastructure are reaching the end of their useful life and require immediate rehabilitation or replacement. Even with the proposed changes, the City of Bainbridge Island will continue to have lower utility rates than most of the surrounding area.

WHAT'S HAPPENING?

Water rates were raised by 10.1% earlier in 2023 to address some inflation rates. Ordinance 2023-16 will propose yearly rate increases for 2023 through 2025. The proposed increases to the average monthly bill would be $3 in 2023, $7 in 2024 and $9 in 2025.

WHEN?

MAY 23 — City Council will vote on **Ordinance 2023-16**.

JUN 15 — Proposed rate increase would take effect.

SEP 1 — First bill with proposed new rates.

LEARN MORE

Scan the QR code or follow this link:
bit.ly/3ArfG7b

CITY OF BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill

MEETING DATE: May 9, 2023 **ESTIMATED TIME:** 15 Minutes

AGENDA ITEM: (8:00 PM) Adopt Ordinance Nos. 2023-09, 2023-10, 2023-11 and 2023-12 regarding Site-specific Rezones and 2022 Comprehensive Plan Amendment (CPA) Applications,

SUMMARY: On March 23, 2023, the Planning Commission conducted public hearings on the four 2022 Comprehensive Plan Amendment (CPA) applications and three associated Site-specific Rezone applications. The Planning Commission recommended approval of each of the CPA applications. The applications are before City Council for decision. At their April 25, 2023 regular business meeting, the City Council received presentations from staff and, after discussion and deliberation, moved to place the matter on the May 9, 2023 regular business meeting for final decision.
The Council discussed but did not take formal action on referring a matter to the Planning Commission regarding developing code regarding the permitting of electrical utilities in the Business/Industrial zone that would be subject to a conditional use permit. That action is added here for Council consideration.

Puget Sound Energy ("PSE") operates three electrical substations on the Island. Most of the infrastructure was constructed between 50 and 70 years ago, and is nearing the end of its useful life. The substations are within residentially zoned districts, and PSE seeks to change the zoning to Business / Industrial. If approved, these applications would result in an amendment to the Comprehensive Plan Land Use Map and the Zoning Map.

The Lynwood Center application requests to add a new policy to both the Land Use and Housing Elements of the Comprehensive Plan related to density. No change to development standards is proposed.

AGENDA CATEGORY: Ordinance **PROPOSED BY:** Planning & Community Development

RECOMMENDED MOTION: I move to adopt Ordinance Nos. 2023-09, 2023-10 and 2023-11 amending the Comprehensive Plan land use map and zoning districts map related to Puget Sound Energy's Port Madison, Murden Cove and Winslow Substation sites, respectively; and
I move to adopt Ordinance No. 2023-12 adding a new policy to the Land Use and Housing Elements of the Comprehensive Plan related to Lynwood Center.
I move to refer to the Planning Commission for their subsequent recommendation to City Council presenting proposed code development and analysis regarding the permitting of electrical utilities on the Business/Industrial zone being subject to a conditional use permit.

COMMUNITY ENGAGEMENT AND OUTREACH: timely and proper notice of public study sessions, public hearings and deliberations at Planning Commission, project information on websites and automatic notification listservs.

FISCAL IMPACT:

Amount:	
Ongoing Cost:	

One-Time Cost:	
Included in Current Budget?	

BACKGROUND: The City accepts requests to amend the Comprehensive Plan every three years. Four Comprehensive Plan Amendment (CPA) applications are under consideration for this current cycle. The review process and decision criteria for Site-specific Rezones are contained in BIMC 2.16.140. The CPA review process and decision criteria are contained in BIMC 2.16.190, and decision criteria primarily relate to quantifying potential adverse impacts on community resources and public services. On March 23, 2023, the Planning Commission held public hearings on each CPA application, and ultimately recommended approval, with some amendments, of the four applications to the City Council.

ATTACHMENTS:

Ordinance No. 2023-09 PSE Port Madison CPA

Ordinance No. 2023-10 PSE Murden Cove CPA

Ordinance No. 2023-11 PSE Winslow Substation CPA-Rezone_updated04.20.2023.docx

PSE memo to Council dated April 28 2023 submitted 01MAY2023.pdf

PSE Memo to Council dated April 6, 2023.pdf

Applicant Overview Narrative.pdf

Staff analysis Port Madison.pdf

Staff analysis Murden Cove.pdf

Staff analysis Winslow.pdf

Winslow_Area map and development regulation comparison.pptx

Port Madison_Area map and development regulation comparison.pptx

Murden Cove_Area map and development regulation comparison.pptx

Lynwood CPA_Presentation.pptx

4 25 CCLynwood CPA Memo.docx

Ordinance No. 2023-12 Lynwood Center CPA.docx

FISCAL DETAILS:

Fund Name(s):

Coding:

ORDINANCE NO. 2023-09

AN ORDINANCE of the City of Bainbridge Island, Washington, amending the Future Land Use Map of the Comprehensive Plan and the City Official Zoning Map to change the land use and zoning designation of a property owned by Puget Sound Energy known as the "Port Madison Substation".

WHEREAS, the City of Bainbridge Island (City) accepts requests to amend the Comprehensive Plan every three years as described in the Comprehensive Plan Amendment (CPA) process established by Bainbridge Island Municipal Code (BIMC) Chapter 2.16.190; and

WHEREAS, 2022 was a CPA application year, and the City received five CPA applications during the January and February 2022; and

WHEREAS, Puget Sound Energy (PSE) submitted three CPA applications, requesting to change the land use designation of each of its three substations from a residential designation to Business/Industrial (B/I) designation on the City's Future Land Use Map; and

WHEREAS, PSE submitted corresponding rezone applications to change the zoning designation of each of its three substations from a residential zone to the B/I zone on the City's Official Zoning Map; and

WHEREAS, the PSE Port Madison substation is located at the northwest intersection of Day Road and State Route 305, tax parcel no. 032502-3-013-2001(heretofore called subject property) and PSE has submitted consolidated CPA and Rezone application for this substation, City Permit File PLN52101 REZ/CPA; and

WHEREAS, the subject property is currently designated Residential-0.4 and R-0.4 on the City's Future Land Use Map and Official Zoning Map, respectively; and

WHEREAS, City staff analyzed the consolidated CPA and Rezone application for this substation, including the CPA and Site-specific Rezone decision criteria in BIMC 2.16.190 and 2.16.140, respectively, and recommend approval; and

WHEREAS, the Planning Commission considered the application and the staff recommendation and at a study session on October 13, 2022; and

WHEREAS, the City issued a State Environmental Policy Act (SEPA) Determination of Nonsignificance on October 20, 2022; and

WHEREAS, the Planning Commission held a public hearing on Ordinance No. 2023-09 on March 23, 2023, and after closing the public hearing, made a recommendation of approval to the City Council; and

WHEREAS, notice proposing adoption of amendments to Comprehensive Plan and development regulations was issued on March 10, 2023, to the Office of Community Development at the Washington State Department of Commerce in conformance with RCW 36.70A.106; and

WHEREAS, on _____, 2023, the City Council considered Ordinance No. 2023-09; and

WHEREAS, on _____, 2023, the City Council adopted Ordinance No. 2023-09.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF BAINBRIDGE ISLAND, WASHINGTON, DOES ORDAIN AS FOLLOWS:

Section 1. The City Council finds that the PSE Port Madison CPA and Rezone applications, permit numbers PLN52101 REZ/CPA, are in conformance with the Comprehensive Plan, the CPA and Site-specific Rezone decision criteria, and all applicable state laws in effect at the time of approval.

Section 2. The Future Land Use Map of the Comprehensive Plan is hereby amended to change the lands use designation of the subject property from Residential-0.4 to Business/Industrial as shown on Exhibit A.

Section 3. The City's Official Zoning Map is hereby amended to change the zoning designation of the subject property from R-0.4 to Business/Industrial as shown on Exhibit B.

Section 4. This ordinance shall take effect and be in force five (5) days from its passage and publication as required by law.

PASSED by the City Council this _____ day of _____ 2023.

APPROVED by the Mayor this _____ day of _____ 2023.

_____

Brenda Fantroy-Johnson, Mayor

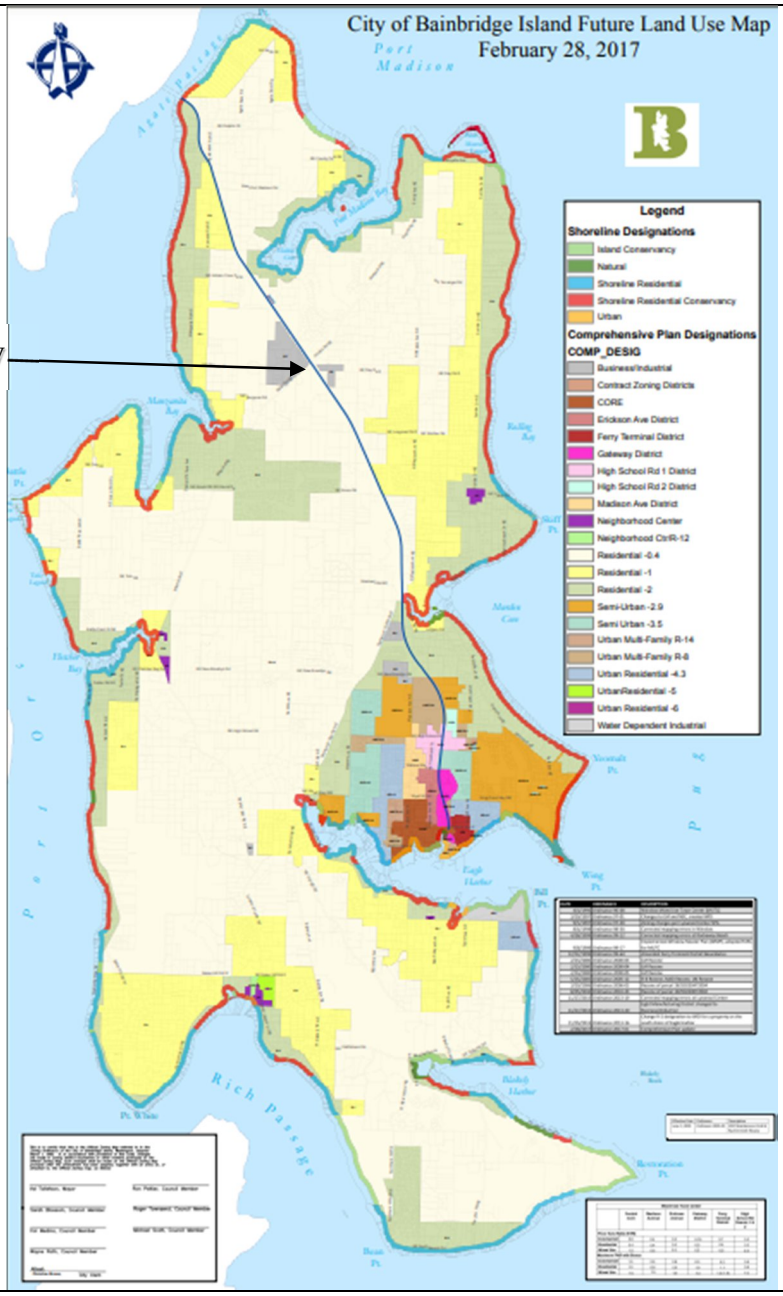
ATTEST/AUTHENTICATE:

_____

Christine Brown, MMC, City Clerk

FILED WITH THE CITY CLERK:	XX, 2023
PASSED BY THE CITY COUNCIL:	XX, 2023
PUBLISHED:	XX, 2023
EFFECTIVE DATE:	XX, 2023;
ORDINANCE NUMBER:	2023-09

EXHIBIT A

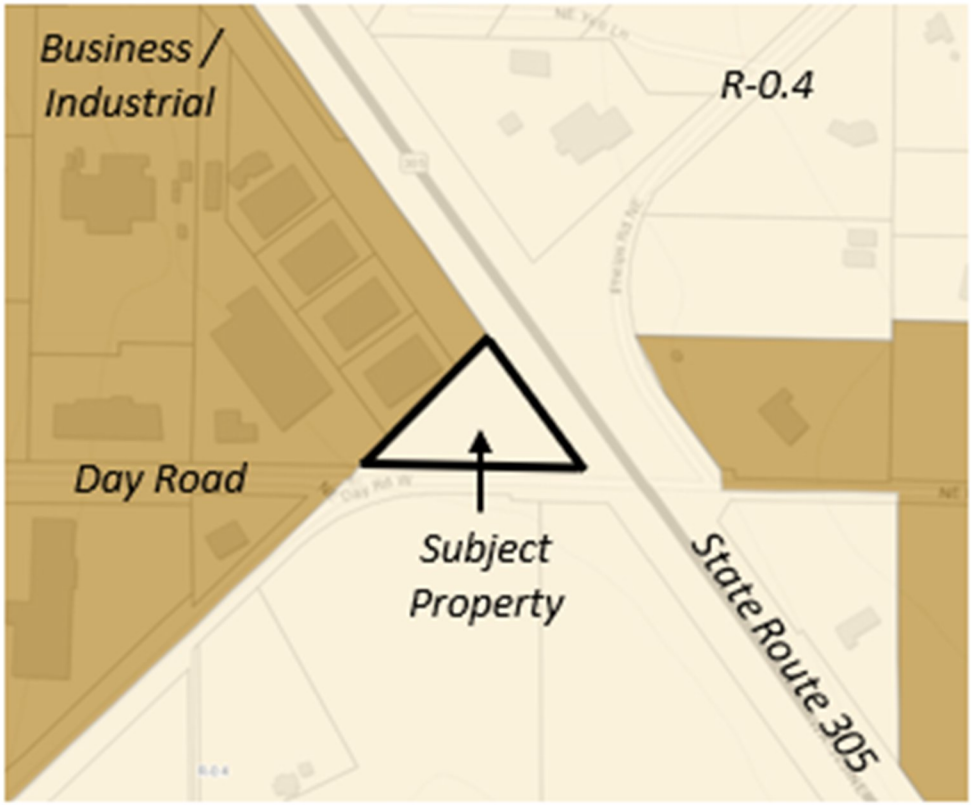


Subject Property



EXHIBIT B

Zoning Map



ORDINANCE NO. 2023-10

AN ORDINANCE of the City of Bainbridge Island, Washington, amending the Future Land Use Map of the Comprehensive Plan and the City Official Zoning Map to change the land use and zoning designation of a property owned by Puget Sound Energy known as the "Murden Cove Substation".

WHEREAS, the City of Bainbridge Island (City) accepts requests to amend the Comprehensive Plan every three years as described in the Comprehensive Plan Amendment (CPA) process established by Bainbridge Island Municipal Code (BIMC) Chapter 2.16.190; and

WHEREAS, 2022 was a CPA application year, and the City received five CPA applications during the January and February 2022; and

WHEREAS, Puget Sound Energy (PSE) submitted three CPA applications, requesting to change the land use designation of each of its three substations from a residential designation to Business/Industrial (B/I) designation on the City's Future Land Use Map; and

WHEREAS, PSE submitted corresponding rezone applications to change the zoning designation of each of its three substations from a residential zone to the B/I zone on the City's Official Zoning Map; and

WHEREAS, the PSE Murden Cove substation is located at 9582 Sportsman Club Road, tax parcel no. 222502-1-024-2009 (heretofore called subject property) and PSE has submitted consolidated CPA and Rezone application for this substation, City Permit File PLN51703 REZ/CPA; and

WHEREAS, the subject property is currently designated Residential-2 and R-2 on the City's Future Land Use Map and Official Zoning Map, respectively; and

WHEREAS, City staff analyzed the consolidated CPA and Rezone application for this substation, including the CPA and Site-specific Rezone decision criteria in BIMC 2.16.190 and 2.16.140, respectively, and recommend approval; and

WHEREAS, the Planning Commission considered the application and the staff recommendation at a study session on October 13, 2022; and

WHEREAS, the City issued a State Environmental Policy Act (SEPA) Determination of Nonsignificance on October 20, 2022; and

WHEREAS, the Planning Commission held a public hearing on Ordinance No. 2023-10 on March 23, 2023, and after closing the public hearing, made a recommendation of approval to the City Council; and

WHEREAS, notice proposing adoption of amendments to Comprehensive Plan and development regulations was issued on March 10, 2023, to the Office of Community Development at the Washington State Department of Commerce in conformance with RCW 36.70A.106; and

WHEREAS, on _____, 2023, the City Council considered Ordinance No. 2023-10; and

WHEREAS, on _____, 2023, the City Council adopted Ordinance No. 2023-10.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF BAINBRIDGE ISLAND, WASHINGTON, DOES ORDAIN AS FOLLOWS:

Section 1. The City Council finds that the PSE Port Madison CPA and Rezone applications, permit numbers PLN51703 REZ/CPA, are in conformance with the Comprehensive Plan, the CPA and Site-specific Rezone decision criteria, and all applicable state laws in effect at the time of approval.

Section 2. The Future Land Use Map of the Comprehensive Plan is hereby amended to change the lands use designation of the subject property from Residential-2 to Business/Industrial as shown on Exhibit A.

Section 3. The City's Official Zoning Map is hereby amended to change the zoning designation of the subject property from R-2 to Business/Industrial as shown on Exhibit B.

Section 4. This ordinance shall take effect and be in force five (5) days from its passage and publication as required by law.

PASSED by the City Council this _____ day of _____ 2023.

APPROVED by the Mayor this _____ day of _____ 2023.

_____

Brenda Fantroy-Johnson, Mayor

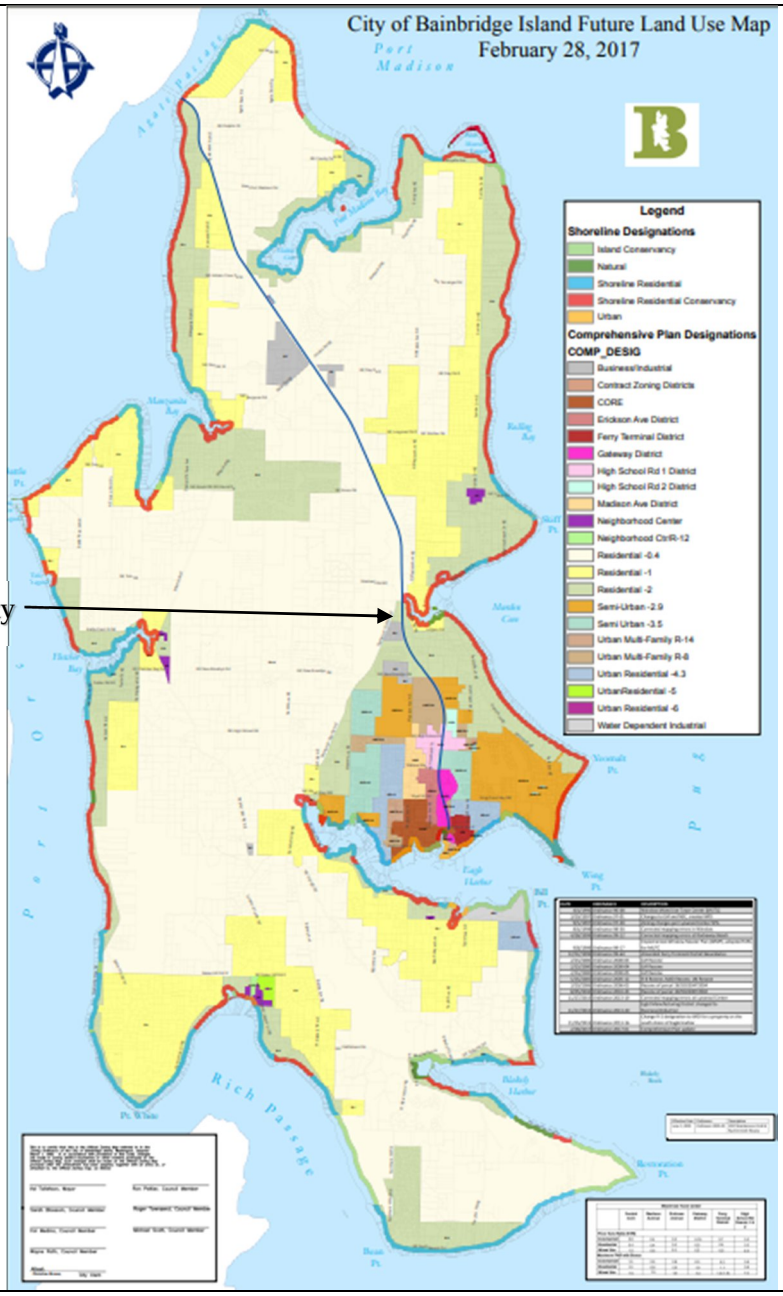
ATTEST/AUTHENTICATE:

_____

Christine Brown, MMC, City Clerk

FILED WITH THE CITY CLERK:	XX, 2023
PASSED BY THE CITY COUNCIL:	XX, 2023
PUBLISHED:	XX, 2023
EFFECTIVE DATE:	XX, 2023;
ORDINANCE NUMBER:	2023-10

EXHIBIT A



Subject Property

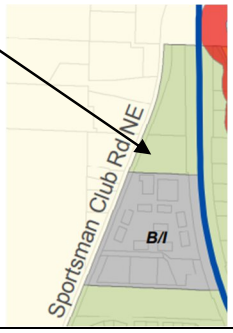


EXHIBIT B

Zoning Map



ORDINANCE NO. 2023-11

AN ORDINANCE of the City of Bainbridge Island, Washington, amending the Future Land Use Map of the Comprehensive Plan and the City Official Zoning Map to change the land use and zoning designation of a property owned by Puget Sound Energy known as the "Winslow Substation".

WHEREAS, the City of Bainbridge Island (City) accepts requests to amend the Comprehensive Plan every three years as described in the Comprehensive Plan Amendment (CPA) process established by Bainbridge Island Municipal Code (BIMC) Chapter 2.16.190; and

WHEREAS, 2022 was a CPA application year, and the City received five CPA applications during the January and February 2022; and

WHEREAS, Puget Sound Energy (PSE) submitted three CPA applications, requesting to change the land use designation of each of its three substations from a residential designation to Business/Industrial (B/I) designation on the City's Future Land Use Map; and

WHEREAS, PSE submitted corresponding rezone applications to change the zoning designation of each of its three substations from a residential zone to the B/I zone on the City's Official Zoning Map; and

WHEREAS, the PSE Winslow substation is located on the north side of Bucklin Hill Road 200 feet east of Fletcher Bay Road, tax parcel no. 4178-000-028-0204 (heretofore called subject property) and PSE has submitted consolidated CPA and Rezone application for this substation, City Permit File PLN52149 REZ/CPA; and

WHEREAS, the subject property is currently designated Residential-0.4 and R-0.4 on the City's Future Land Use Map and Official Zoning Map, respectively; and

WHEREAS, City staff analyzed the consolidated CPA and Rezone application for this substation, including the CPA and Site-specific Rezone decision criteria in BIMC 2.16.190 and 2.16.140, respectively, and recommend approval; and

WHEREAS, the Planning Commission considered the application and the staff recommendation at a study session on October 13, 2022; and

WHEREAS, the City issued a State Environmental Policy Act (SEPA) Determination of Nonsignificance on October 20, 2022; and

WHEREAS, the SEPA threshold determination was appealed on November 2, 2022; and

WHEREAS, a settlement agreement fully and completely resolving the claims of petitioner in the appeal was executed on February 13, 2023; and

WHEREAS, pursuant to the settlement agreement, on February 14, 2023 the Bainbridge Island City Council considered and passed Ordinance No. 2023-05 approving a development agreement binding the subject property to certain development conditions if the CPA and rezone were subsequently approved; and

WHEREAS, the development agreement was recorded on February 24, 2023 under Kitsap County Auditor's File No. 202302240075; and

WHEREAS, upon recording of the development agreement, the petitioner filed a motion with the Hearing Examiner to dismiss the SEPA appeal on February 28, 2023; and

WHEREAS, the SEPA appeal was dismissed on March 1, 2023; and

WHEREAS, the Planning Commission held a public hearing on Ordinance No. 2023-11 on March 23, 2023, and after closing the public hearing, made a recommendation of approval to the City Council; and

WHEREAS, notice proposing adoption of amendments to Comprehensive Plan and development regulations was issued on March 10, 2023, to the Office of Community Development at the Washington State Department of Commerce in conformance with RCW 36.70A.106; and

WHEREAS, on _____, 2023, the City Council considered Ordinance No. 2023-11; and

WHEREAS, on _____, 2023, the City Council adopted Ordinance No. 2023-11.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF BAINBRIDGE ISLAND, WASHINGTON, DOES ORDAIN AS FOLLOWS:

Section 1. The City Council finds that the PSE Winslow CPA and Rezone applications, permit numbers PLN52149 REZ/CPA, are in conformance with the Comprehensive Plan, the CPA and Site-specific Rezone decision criteria, and all applicable state laws in effect at the time of approval. The staff analysis provided to the City Council is adopted by reference as support for the Council's findings.

Section 2. The Future Land Use Map of the Comprehensive Plan is hereby amended to change the land use designation of the subject property from Residential-0.4 to Business/Industrial as shown on Exhibit A. The land use designation change is made.

with the understanding that all use and development of the subject property is subject to the recorded development agreement.

Section 3. The City's Official Zoning Map is hereby amended to change the zoning designation of the subject property from R-0.4 to Business/Industrial as shown on Exhibit B. The zoning designation change is made with the understanding that all use and development of the subject property is subject to the recorded development agreement.

Section 4. This ordinance shall take effect and be in force five (5) days from its passage and publication as required by law.

PASSED by the City Council this _____ day of _____ 2023.

APPROVED by the Mayor this _____ day of _____ 2023.

_____

Brenda Fantroy-Johnson, Mayor

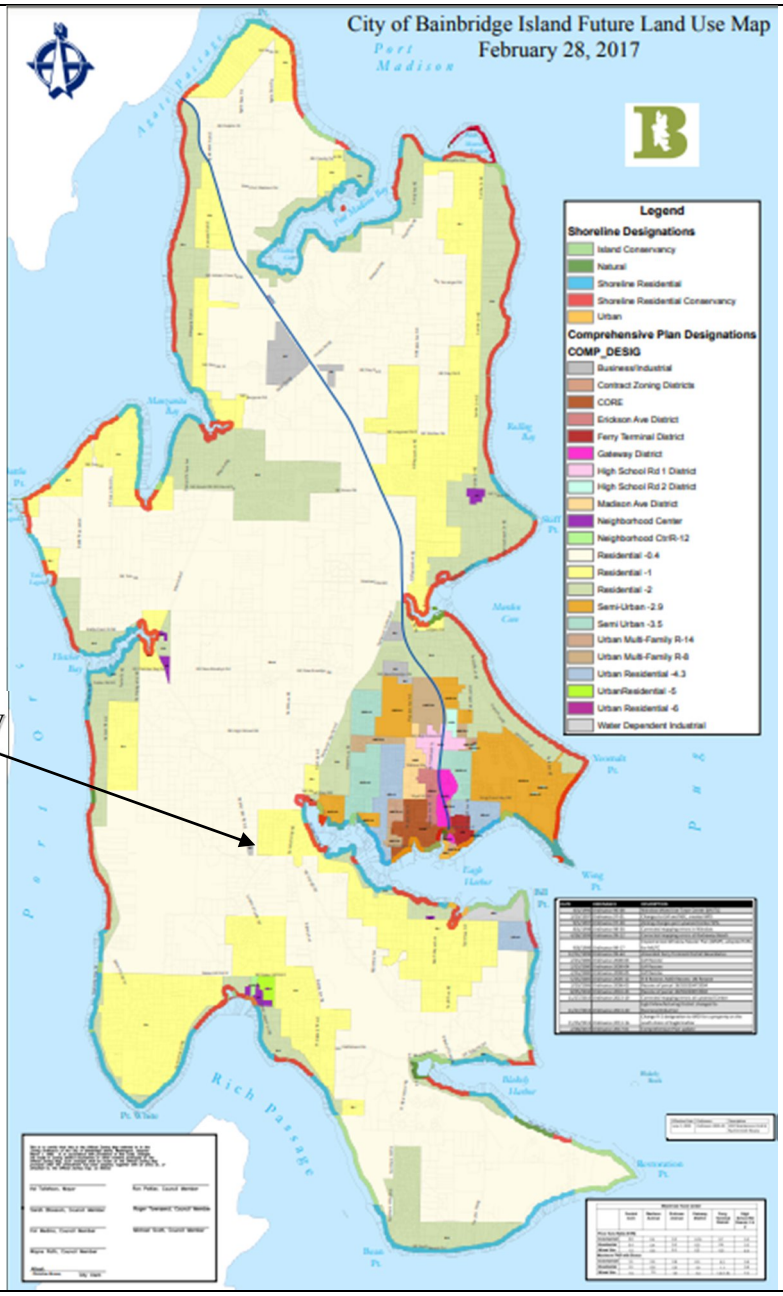
ATTEST/AUTHENTICATE:

_____

Christine Brown, MMC, City Clerk

FILED WITH THE CITY CLERK:	XX, 2023
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EXHIBIT A



Subject Property

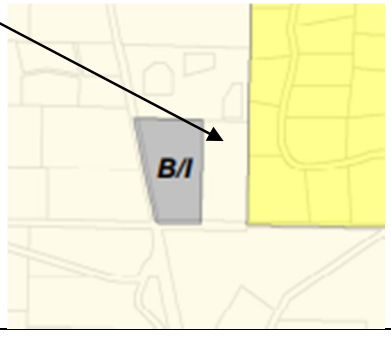
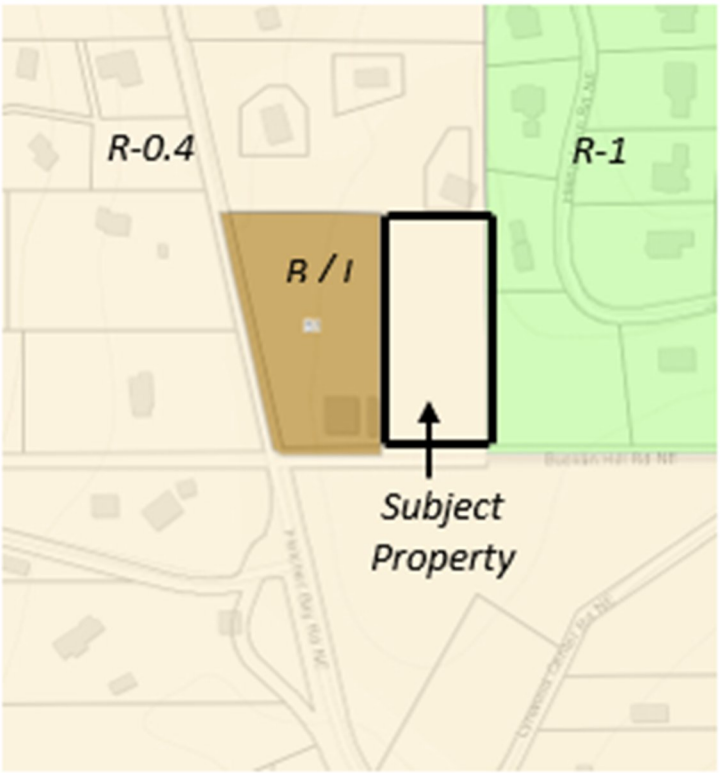


EXHIBIT B

Zoning Map



PUGET SOUND ENERGY

MEMORANDUM

To: City of Bainbridge City Council

From: Kerry Kriner, Consulting Land Planner, Puget Sound Energy

Date: April 28, 2023

Re: PSE Comprehensive Plan Amendment/Site-Specific Rezone Requests
PLN51703 CPA/REZ: Murden Cove Substation
PLN52149 CPA/REZ: Winslow Substation
PLN52101 CPA/REZ: Port Madison Substation

This memo summarizes Puget Sound Energy's (PSE's) requests for Comprehensive Plan Amendment (CPA) and Site-Specific Rezone (Rezone) approval for the three substation sites on Bainbridge Island. PSE sincerely appreciates the City Council's thoughtful consideration of these requests.

Background and History

- **Request:** PSE is requesting to rezone our three developed substation sites to reflect the historic use of the properties.

- **Need for flexibility:** Bainbridge Island regulations and policies for low-density residential zoning do not align with the needed flexibility to expand and upgrade our existing substation infrastructure to meet the energy needs of the Bainbridge Island community.

- **City recommendation:** PSE has worked with the City since 2020 to pursue a solution to this needed flexibility. In May 2021, the City recommended PSE pursue the CPAs and Rezones during the 2022 CPA application period.

Need for the CPAs/Rezones

- **Need for substation improvements:** PSE's upcoming proposed grid improvements include installing a new 115 kV transmission line to provide reliable power and add redundancy to the transmission system and a 3.3 MW battery energy storage system (BESS) to support distribution capacity during peak periods. To implement these solutions, improvements are required at both Murden Cove and Winslow Substations. Due to the complexity of PSE's infrastructure, even a minor delay can have large and cascading effects on delivery of projects, costs, and the fulfillment of CETA's clean energy goals.

- **PSE's obligation to provide clean energy:** Under state law and the Clean Energy Transformation Act (CETA), PSE has an obligation to meet clean energy milestones, including achieving GHG neutrality by 2030 and providing 100% renewable or non-emitting electricity by 2045. Fulfilling

CETA's milestones will require improvements to the Bainbridge Island electric system, with future improvement needs still to be determined.

Impacts of Granting the CPAs/Rezones

- **No change in use and no precedent for other rezones near Winslow Substation site:** The proposed substation improvements will not intensify the use or result in further impact to neighboring properties with a change in zoning at any of the substation sites. Due to concerns raised by neighboring residential property owners, PSE and the City have entered into a Development Agreement at the Winslow Substation site that restricts the primary use of the property to utility uses for at least the next 20 years. The Development Agreement provisions reflect the site's unique circumstances, including the historical utility use, and it states that the agreement is not intended to establish precedent for other rezones in the surrounding area.

- **Greater vegetation protection:** Granting of the CPA/Rezone requests can result in greater vegetation protection as compared to complying with the ARPA requirements. As noted in the City's staff analysis, the increased buffer widths in the B/I zone "afford greater vegetation protection than the ARPA designation because tree[s] within landscape buffers must be retained and trees in an ARPA are allowed to be removed, provided that 100 percent of the annual average pre-construction groundwater recharge volume is maintained." PSE is committed to maintaining the site buffers consistent with the B/I zoning regulations.

- **Retains robust project-level review processes:** If the properties are rezoned, project-level review will be determined based on provisions applicable to a primary utility use in the B/I zone. The specific permit processes and development standards will be determined based on the specific project proposals that PSE may submit in the future. However, based on PSE's review of the code and conversations with the City, we understand that future project applications will likely require Major Site Plan Review (SPR). A Major SPR requires a pre-submittal public participation meeting, a public comment period, demonstration of compliance with discretionary decision criteria, and a Planning Commission public meeting, including review and recommendation to the Planning Director. *See* BIMC Table 2.16.010-1; BIMC 2.16.040. Additionally, future projects will likely require review under the State Environmental Policy Act (SEPA). In short, the B/I zoning regulations and code processes provide the City and the public with robust opportunities to evaluate future project applications even if the properties are rezoned to B/I.

ARPA regulations

- **Targeted solution:** PSE discussed the potential to amend the ARPA regulations with the City. Although an ARPA code amendment is a viable option, a code amendment would likely cover all uses under the definition of primary utility and raise broader concerns. The CPA/Rezones are targeted and limited to specific development at the substation sites providing clarity and certainty for the community. Based on City's recommendations, PSE decided to apply for the CPAs/rezones in lieu of amending the ARPA regulations. As noted above, the B/I zone's increased buffers may afford greater vegetation protection than ARPA designation.

PUGET SOUND ENERGY

MEMORANDUM

To: City of Bainbridge City Council

From: Kerry Kriner, Consulting Land Planner, Puget Sound Energy

Date: April 6, 2023

Re: PSE Comprehensive Plan Amendment/Site-Specific Rezone Requests
PLN51703 CPA/REZ: Murden Cove Substation
PLN52149 CPA/REZ: Winslow Substation
PLN52101 CPA/REZ: Port Madison Substation

This memo addresses questions raised by the Planning Commission during their review of the requests from Puget Sound Energy (PSE) to rezone the three substation sites on Bainbridge Island from low-density residential zoning to Business/Industrial (B/I). These requests include applications for Comprehensive Plan Amendments and Site-Specific Rezones. PSE is providing this memo as additional background for the City Council's consideration. We appreciate the Council's time and attention on these important applications.

1. **Why did PSE apply for Comprehensive Plan Amendments and Site-Specific Rezones for the substation sites instead of pursuing an ARPA code amendment or similar process?**

   PSE's 2019 Electrical System Needs Assessment for Bainbridge Island clearly documents a need to improve the reliability of electric service on Bainbridge Island. PSE's companion 2019 Solutions Report identifies multiple solutions elements, including significant infrastructure improvements. The infrastructure elements include the rebuilding of an existing 115 kV transmission line (the existing transmission line bringing power to the Winslow substation – the "Winslow Tap") and the installation of a new 115 kV transmission line between Murden Cove substation and Winslow substation ("Winslow-Murden Cove Transmission Line"). A third solution element is installation of a new (3.3MW/6.6MWh) utility scale battery energy storage system (BESS) at Murden Cove substation. In addition, PSE has an obligation to meet Clean Energy Transformation Act (CETA) clean energy goals, increasing demand on the electrical system. In exploring implementation of the proposed solutions, PSE recognized that existing residential zoning at substation sites restricts our ability to construct necessary utility infrastructure improvements. This includes the Aquifer Recharge Protection Area (ARPA)

regulations that restrict the developable area on sites that are zoned R-0.4, R-1 or R-2 where soil infiltration potential is limited.

Generally, PSE does not have issues with working within the development standards for single-family zoning as a conditional use. However, on Bainbridge Island, the regulations and policies for low-density single-family zoning do not align with the needed flexibility to expand and upgrade our existing substation infrastructure to meet the energy needs of the Bainbridge Island community. PSE purchased our substation properties with the intent to allow for expansions and upgrades on the sites limiting further impacts to the community and being prudent with infrastructure costs.

2. Can PSE make the needed improvements at the substation sites by amending the ARPA regulations? Are there any other development standards under residential zoning that would preclude PSE from making improvements at the substation sites?

PSE agrees that there are multiple process options to facilitate the ability to install improvements at our substation sites. PSE and the City explored these options prior to the 2022 Comprehensive Plan Amendment application period. PSE met with City staff a number of times in 2020 and 2021 to discuss the need for flexibility, the site development limitations under the current regulations, and potential solutions, including specifically the option of amending the existing Aquifer Recharge Protection Areas (ARPA) regulations. As summarized in PSE's CPA/Rezone application materials, City staff determined in May 2021 that rezoning the substation sites was the preferred policy approach and recommended the current process. A pre-application meeting to discuss the CPA/Rezone requests was held in November 2021, and the Planning Commission hosted a voluntary public participation meeting to discuss these application requests in January 2022. Based on the City's assessment and feedback received, PSE prepared and submitted the subject applications during the CPA application period in February 2022 (see process chronology in Attachment 1).

Although an ARPA code amendment is a viable option to consider, the code amendment would likely cover all activities under the broader definition of primary utilities and would likely raise broader concerns. The CPA/Rezone requests are targeted and limited to specific developed substation sites. CPA/Rezones for these sites provide clarity and certainty for the community without a need to consider a broader range of impacts that may be associated with a code amendment that could apply to other sites and uses. Further, pursuing a new ARPA code amendment request will likely take another year or more to process and will add further delays and uncertainties to PSE's ability to install the needed substation improvements.

It is also worth noting that granting the CPA/Rezone requests can result in greater vegetation protection as compared to complying with the ARPA requirements. As noted in the City staff's analysis, the increased landscape buffer widths of the B/I zone "afford greater vegetation protection than the ARPA designation because tree[s] within landscape buffers must be retained

and trees within the ARPA area allowed to be removed, provided that 100 percent of the annual average per-construction groundwater recharge volume is maintained." See the exhibits in Attachment 2, depicting the increased landscape buffers provided under B/I zoning.

PSE and the City have invested significant time and resources in pursuing the CPA/Rezone approvals. The substation uses are suited for the Business/Industrial (B/I) designation under applicable Comprehensive Plan policies. The B/I zone supports PSE's ability to continue to upgrade and expand our infrastructure on the existing sites to meet the community's needs as demonstrated in PSE's application materials.

3. Can PSE make the needed improvements at the substation sites by amending the ARPA regulations? Are there any other development standards under residential zoning that would preclude PSE from making improvements at the substation sites?

If the ARPA regulations were amended such that they would not apply to electric system infrastructure and uses, then the potential for ARPA regulations to restrict construction and operation of needed infrastructure improvements at substation sites would be eliminated. However, the ARPA regulations are not the only code restrictions that affect the ability to improve the electric system on Bainbridge Island.

There are existing regulations, including regulations that apply even beyond the residential standards, that affect PSE's ability to construct the needed reliability improvements within the substation sites as well as to connect linear facilities to the substations. In addition to the CPA/Rezone applications submitted in February 2022, PSE also submitted a request for code amendments to support our reliability improvements in April 2022. The code amendments under consideration include amendments to dimensional considerations in all zoning districts, including primary utility allowances in setbacks and height limitations on poles and equipment. Additionally, PSE has requested amendments to the critical areas regulations to allow for maintenance, upgrades and limited installation of linear primary utilities in Category I and II wetlands and to exempt a utility from the requirement to dedicate an ARPA on property not owned by the utility. Documentation supporting these requests is under review by the City.

4. If the Winslow Substation site was rezoned to Business/Industrial, will neighboring residential properties experience any change?

The Winslow site has been used as a substation site since 1960 and will continue to be part of PSE's electrical infrastructure on the Island indefinitely. Impacts to surrounding uses will be the same regardless of property zoning, as the site use and proposed improvements will not intensify with a change in zoning.

Rezoning the substation sit will double the width of both required setbacks and required vegetation buffers (from 25 to 50 feet) from Bucklin Hill Road and the adjacent residential properties to the north and east, thereby increasing buffer protections (e.g., added vegetation, increased distance from the developed area) for adjacent residential properties (see exhibits in Attachment 2).

To further address concerns about possible impacts, PSE has entered into a Development Agreement with the City that imposes certain conditions and restrictions on the future use of the Winslow Substation site. Under the Development Agreement, if the site is rezoned to B/I, the site shall be restricted to utility uses as the primary use for at least the next 20 years, if not longer. The Development Agreement also recognizes that its provisions reflect the site's unique circumstances, including the historical utility uses, and states that the agreement is not intended to establish precedent for other rezones in the surrounding area.

As a result of the Development Agreement, the Stetson Ridge Homeowners Association agreed to dismiss its appeal of the SEPA determination for the Winslow CPA/Rezone request. Following approval of the Development Agreement, the Stetson Ridge Homeowners Association provided comment in support of PSE's CPA/Rezone requests at the Planning Commission's March 23, 2023 public hearing on the applications. PSE highly values its relationships with the City and the community, and we appreciate the City's and community's openness to coordinating on a creative solution like the Development Agreement.

5. Can the Winslow substation site's improvements comply with the applicable ARPA code provisions under the current zoning?

One of PSE's considerations in requesting to rezone the property is the constraints of the ARPA regulations on properties within low-density residential zoning districts. The City of Bainbridge Island provides a limited window every three years in which to submit CPA requests. PSE submitted our requests within the early 2022 application window with a conceptual understanding of how the proposed improvements could be implemented at the site.

Since the CPA/Rezone applications where submitted, PSE has had the opportunity to perform soil testing at the Winslow substation site and preliminary stormwater modeling based on a conceptual project footprint. Based on this work, PSE has determined that it is possible that improvements at the Winslow substation site could meet the ARPA regulations due to the infiltration potential of the soils. However, the true potential of this outcome cannot be determined until a full site design is completed and compliance with the ARPA standards can be reviewed and approved by the City under appropriate permit processes. Additionally, the current modeling only considered the improvements needed under the 2019 Electrical System Needs Assessment and does not account for the potential and flexibility for adding improvements in the long-term. PSE needs this long-term flexibility to be able to implement improvements as future needs arise without having to spend years going through complex land use processes with uncertainty of approval each time an improvement is needed.

6. **Is there a possibility that PSE would discontinue use of any of the substation sites in the future?**

PSE cannot definitively say we would never discontinue use of any of the substation sites, but it is highly unlikely. Bainbridge Island is served by three distribution substations that currently have sufficient space to accommodate future infrastructure improvements to meet anticipated electrical service needs. Future community growth could drive increased electrical service demand that outstrips the capacity of our existing substation sites. The likely scenario in that case is that PSE would construct a new substation on a separate site in addition to continuing to operate the existing substation sites.

In the unlikely event that PSE would choose to discontinue use of an existing substation and no longer had a utility need for the site, it is possible that PSE could decommission and remove the substation and surplus (sell) the site to a future owner. In the case of the Winslow substation site, the Development Agreement provides that if PSE sells or leases the site during the agreement's term, the City shall institute proceedings to revert the zoning to R-0.4 or to some other zoning designation imposed by the City.

7. **If the CPA/Rezones are approved, what permitting and/or environmental review processes will apply to the substation sites?**

If the CPA/Rezones are approved, PSE's substation sites will be subject to the development standards and permit process/procedures applicable to the B/I zone as a primary utility use. PSE is still working through project concepts/designs and has not submitted development applications for proposed upgrades and expansions at the Murden Cove or Winslow substation sites. We anticipate that the applicable permit processes and development standards will be determined based on the specific development proposals that PSE may submit in the future. Further, in addition to applicable City permit processes, PSE anticipates that future development proposals and applications for the substation sites will likely require review under the State Environmental Policy Act (SEPA). However, because PSE intends to continue the substation use of all sites, any future impacts will likely remain predominantly consistent with the existing substation use.

For the Winslow site, the Development Agreement expressly confirms the applicability of the City code's permitting processes and development standards and reserves the City's authority and discretion in applying the code. The Development Agreement states, "All future development of the Property will be subject to any standards generally applicable to the B/I zone and to utility uses under the BIMC or other applicable laws in effect," and further provides, "Nothing in this Agreement shall be construed to limit the authority, discretion, or obligation of

the City and any of its officers or officials in complying with or applying the BIMC or other applicable laws as part of the review of future permit applications," including SEPA review.

Attachment 1

Comprehensive Plan Amendment/Site-Specific Rezone Process Timeline

2020

- PSE began discussions with the City of Bainbridge Island regarding the need for flexibility at our substation sites and code amendments to maintain, upgrade and install transmission and distribution infrastructure.
- **March 24**. PSE attended a pre-application meeting with the City that included a discussion of ARPA applicability to PSE projects and potential code amendments.

2021

- **Ongoing.** PSE continued discussions with City regarding code amendments.
- **May 5.** City staff advised PSE that rezoning the substation sites was the preferred solution to allow needed flexibility.
- **November 9.** PSE attended a pre-application meeting with City to discuss CPA/Rezone requests.

2022

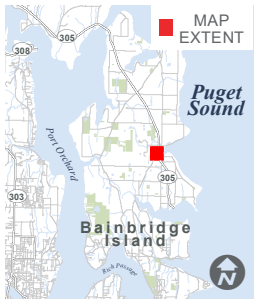
- **January 4.** A pre-application meeting with the City to discuss proposed code amendments for transmission and distribution infrastructure was held.
- **January 13.** PSE presented a proposal for the CPAs/Rezones at a voluntary public participation meeting before the Planning Commission.
- **February 25.** PSE submitted the CPA/Rezone applications.
- **April 20.** PSE submitted the code amendment request application.
- **October 13.** Planning Commission held a Study Session to discuss the CPAs/Rezones.
- **November 2.** The City received an appeal of the SEPA determination on the Winslow Substation CPA/Rezone.

2023

- **February 14**. The City Council approved a Development Agreement between PSE and the City to resolve the SEPA appeal.
- **March 23 (today)**. The Planning Commission public hearing was held on the CPAs/Rezones.

Attachment 2





- Site Boundary
- Existing Fence Line
- Existing Transmission Line
- Existing Overhead Distribution Line
- Existing Equipment Footprint
- Kitsap County Parcels
- Major Roads
- Minimum B/I Zone Landscape Buffer
- Minimum R-2 Zone Landscape Buffer

0 60 Feet

1 inch = 60 feet

SITE EXHIBIT

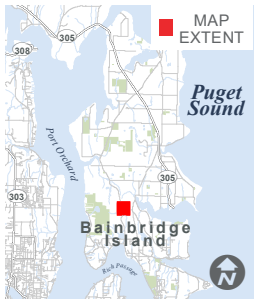
MURDEN COVE SUBSTATION

PARCEL: 222502-1-024-2009
9582 SPORTSMAN CLUB RD NE

Date: 3/2[illegible]

SOURCES: Wetlands, streams, and roads - City of Bainbridge Island (2019), Aerial - City of Bainbridge Island (2017) Online.





- Site Boundary
- Existing Fence Line
- Existing Transmission Line
- Existing Overhead Distribution Line
- Existing Equipment Footprint
- Kitsap County Parcels
- Major Roads
- Minimum B/I Zone Landscape Buffer
- Minimum R-0.4 Zone Landscape Buffer

0 60 Feet

1 inch = 60 feet

SITE EXHIBIT

WINSLOW SUBSTATION

PARCEL: 4178-000-028-0204
NE BUCKLIN HILL RD

Date: 3/20

SOURCES: Wetlands, streams, and roads - City of Bainbridge Island (2019), Aerial - City of Bainbridge Island (2017) Online.

PUGET SOUND ENERGY

Bainbridge Island PSE Electrical Substation Overview

Summary

Flexibility required to implement a range of potential reliability and capacity improvements is being sought in Puget Sound Energy's (PSE) Comprehensive Plan Map Amendment and Site-Specific Rezone applications for the three substations to meet electrical needs on Bainbridge Island. These local needs were identified and analyzed through needs and solutions studies undertaken by PSE's Strategic System Planning department to ensure PSE can reliably serve residents and businesses over a 10-year planning horizon. The solutions report concluded that a hybrid of potential wires and non-wires alternatives would best meet the identified needs, includin installing a new 115 kV transmission line to create a looped system, installing a battery energy storage system (BESS), as well as other non-wires energy efficiency and demand response solutions (collectively called distributed energy resources or DERs). As an example, a transmission line and battery energy storage system (BESS) solution will require improvements at PSE's existing substations on Bainbridge Island if implemented at either the Murden Cove or Winslow Substation sites. To give PSE the flexibility to upgrade our existing system to meet these needs, while limiting environmental and community impacts by making full use of our existing substation sites, PSE is requesting that the substation sites be rezoned from low density residential to business/industrial designations. This overview provides background on the history of the substation sites, PSE's needs and solutions assessments, and potential outcomes if the Comprehensive Plan Map Amendment and Site-Specific Rezone requests are not approved.

History of Bainbridge Island Substations

Puget Sound Energy (PSE) operates three electrical substations on Bainbridge Island. These substations serve as connection points to distribute electricity to homes and businesses within the community from transmission lines that bring electricity to the Island from generation sources. Two transmission lines, the Port Madison Tap and Foss Corner-Port Madison 115 kV lines, bring power to Island from the Kitsap Peninsula over Agate Pass to Port Madison Substation located at the intersection of NE Day Road West and SR-305. From the Port Madison Substation, the Murden Cove Tap 115 kV radial transmission line connects to Murden Cove Substation located on Sportsman Club Road NE and the Winslow Tap 115 kV radial transmission line connects to Winslow Substation located on NE Bucklin Hill Road bringing electricity further onto the Island. Equipment within the three substations reduces the transmission line voltage (115 kV – 115,000 volts) to distribution voltage (12.5 kV – 12,500 volts). From these substations, distribution lines distribute power to homes and businesses throughout the community.

The first substation constructed on Bainbridge Island was the Port Madison Substation in the early 1950s. At that time, a previous configuration of the Port Madison Tap transmission line brought power to the Island via a transmission line crossing on the west side of Agate Pass bridge. The Winslow Substation was constructed in the early 1960s and was connected to Port Madison Substation with the installation of the Winslow Tap transmission line. In the 1969/1970 timeframe, the steel lattice transmission towers on either side of the Agate Pass crossing on the east side of the Agate Pass bridge were constructed, providing the support for two transmission supply lines to the Island. The existing crossing on the west side of the bridge was converted to a distribution line crossing. Murden Cove Substation was constructed in 1979 and was connected to the Port Madison Substation via the Murden Cove Tap transmission line.

As growth occurred on Bainbridge Island, PSE's facilities were replaced and upgraded to meet capacity needs and improve service reliability. In 2014 the two aging steel lattice towers on either side of the Agate Pass crossing were replaced with four steel monopoles. In 2015 the Port Madison Tap line was rebuilt with new poles and higher capacity conductors. Then in 2016 the Foss-Corner – Port Madison 115-kV line was rebuilt with new poles and higher capacity conductors. Over the years, as the linear transmission and distribution infrastructure has been upgraded and expanded, so have the three substations on the Island to support this infrastructure.

Prior to the 1991 annexation of the area of Bainbridge Island outside of the Town of Winslow, all of PSE's substations were located within rural unincorporated Kitsap County. As growth occurred on Bainbridge Island, community development extended into the areas surrounding the substation sites and PSE's substation facilities were expanded and upgraded to accommodate the added electrical load resulting from this growth. When PSE initially purchased the substation properties, it was expected that the facilities would expand and grow as additional infrastructure would be needed to support increased electrical demand. It was also understood that the substation use was not characteristic of rural residential development. Upon annexation of the City of Bainbridge Island from Kitsap County, the new City adopted existing Kitsap County zoning and development regulations (City of Bainbridge Island Ordinance 90-17), but has since expanded upon these regulations to reflect additional rural conservation policies.

Aquifer Recharge Protection Area (ARPA) Regulations

The Bainbridge Island Code regulates Aquifer Recharge Areas as critical areas under the City's critical areas regulations. According to a December 2021 City handout, "the ARPA requirement grew out of a review and assessment of the City's adoption of new state stormwater regulations that emphasize the use of Low Impact Development (LID) Best Management Practices (BMPs). A new requirement to designate an Aquifer Recharge Protection Area of up to 65 percent of a site is included in the critical areas ordinance because the City's stormwater regulations allow for *engineered solutions* which may not include any native vegetation retention".

The ARPA regulations designate the entirety of Bainbridge Island as an aquifer recharge area, however the requirement to designate a percentage of the site as an Aquifer Recharge Protection Area and preserve native vegetation is specific to low density residential zoning districts (R-0.4, R-1, and R-2), which make up a significant portion of the Island's zoning outside of areas designated to absorb density.

PSE's substation sites are located within the R-0.4 and R-2 zoning districts as a relic of the rural zoning in place prior to the incorporation of the City of Bainbridge Island. Port Madison Substation was constructed in 1954 with Winslow Substation and Murden Cove Substation constructed in 1960 and 1979 respectively. The developed area on these sites was established well before current consideration

of aquifer recharge protection. Development on the substation sites incorporates low impact stormwater features and maintains significant portions of the sites as native vegetation. With the adoption of the ARPA regulations in 2018, consideration was not given to established development providing essential services to the Island that are conditionally allowed within the low residential density zoning. The ARPA regulations do not provide a mechanism to allow continued upgrades and expansion of these essential facilities.

PSE's Substation Planning

PSE has a duty to our customers to make prudent financial investments based on infrastructure needs. PSE's Strategic System Planning department regularly assesses electrical system needs to ensure that PSE can reliably serve residents and businesses over a 10-year planning horizon. A determination of need is based on violations of NERC Compliance Standard TPL 001-4 which looks at categories including reliability, capacity, aging infrastructure and operational needs. The Bainbridge Island Electric System Needs Assessment published in 2019 determined that the Bainbridge Island electrical system has reliability, capacity, and aging infrastructure needs and concerns during the 10-year planning horizon on both the transmission and distribution systems. Per PSE solution criteria, once a solution is implemented, it must last ten years. Therefore, the solutions in the 2019 assessment are expected to serve the Bainbridge community at least 10 years beyond their in service date. The identified Bainbridge Island needs and concerns related to the Comprehensive Plan Map Amendment and Site-Specific Rezone requests for PSE's 3 substation sites include:

- **Substation Capacity Need**: A distribution substation group capacity need was identified to support general load growth on the island and planned additional load for the electrification of the Washington State Ferries. The needs assessment identified a load growth need of 6.6 MW (megawatts) and a ferry electrification need of 10 MW.

- **Transmission Reliability Need**: A transmission reliability need was identified to improve the performance of the Winslow Tap transmission line that feeds Winslow Substation. Nearly 70 percent of the transmission outage time on Bainbridge Island is attributed to events on this transmission line.

- **Transmission Operational Flexibility Concern**: To deliver power reliability, the Bainbridge Island electrical system must be able to transfer electrical load when a transmission line needs to be taken out of service for maintenance or when a substation outage occurs due to the lack of a redundant transmission line. Customers served by Winslow and Murden Cove Substations make up two-thirds of the Island customers and these substations do not have a backup power source if the single transmission line serving each substation experiences an outage. This concern coincides with the transmission reliability need.

The range of identified needs and concerns require that PSE evaluate potential wire and non-wire solutions, the majority of which require or potentially require upgrades and improvements at the Murden Cove, Winslow and Port Madison substation sites.

Solutions. PSE is actively evaluating a range of potential solutions to address the identified needs and concerns. As noted above, many of these solutions could result in needed improvements at PSE's three existing substation sites. Potential solutions to address capacity needs include the installation of a battery energy storage system (BESS) at either the Murden Cove or Winslow Substation site or encouraging the use of DERs. DERs (distributed energy resources) are demand response and energy efficiency measures that homeowners and businesses can incorporate into their residences and buildings as a means of reducing total island energy needs.

Transmission reliability and operational flexibility solutions are also being evaluated to determine which solutions PSE will ultimately propose, design, and move forward with permitting and implementation. This includes the potential to construct a new 115 kV transmission line between the Murden Cove and Winslow Substations (the Murden Cove – Winslow 115 kV transmission line) to create a looped transmission system between the three substations on Bainbridge Island and to build redundancy into the system should one of the existing radial transmission liens experience an outage. Finally, PSE is considering the potential need to install a second transformer bank at Murden Cove and/or Winslow Substations in the long-term (beyond the 10 year planning horizon). PSE needs the flexibility to implement a range of solutions, many of which may require infrastructure improvements at one or more substation sites.

Potential Substation Improvements. PSE is in various stages of planning for potential improvements at the three substation sites. Potential improvements at each site following approval of the Comprehensive Plan Map Amendment and Site-Specific Rezone requests include:

Port Madison Substation: PSE is proposing to replace the existing control house (enclosure that houses the equipment that oversees, controls and protects the functioning of the substation) and other associated equipment within the existing substation yard in 2023. This work is to address aging infrastructure replacement needs within the substation and must be completed prior to work at the other two substations.

Long-term (beyond 10-years), PSE may need to expand the Port Madison Substation and upgrade the substation 115 kV bus infrastructure to meet future system needs.

Murden Cove Substation: PSE is evaluating the potential to install a 3.3 MW BESS at Murden Cove Substation to address substation capacity needs during peak demand periods, installing a new control house and upgrading site stormwater improvements. Additionally, PSE is evaluating expanding the existing 115 kV bus infrastructure to address transmission line reliability and operational flexibility solutions, including a new 115 kV transmission line. This would require expansion of the existing 115 kV bus within the substation and addition of a control house which would be needed in the event the BESS was not installed at the site and a control house not already installed for that project.

Winslow Substation: Another potential site that PSE is exploring with BESS vendors is the Winslow Substation site. A BESS at this site could address substation capacity need now or in the future. A BESS at Winslow would require expansion of the existing substation fenced area and installation of a new control house, as well as stormwater upgrades. To address transmission system reliability, if PSE ties the new 115 kV transmission line into Winslow Substation, substation expansion will be needed independent of the improvements needed for

the BESS, including expansion of the 115 kV bus and stormwater upgrades. In the long-term, independent of near term needs, PSE anticipates the need to add a second transformer bank to the substation to support system capacity.

Potential Outcomes without the Rezone

PSE determined that rezoning the substation sites is the appropriate strategy to meet the long-term electrical needs of the community. In order for the potential solutions in the 10 year horizon plan and beyond to be implemented, improvements are needed at the substation sites. Expansion of the existing substation yards are needed at Winslow and Murden Cove Substations. In order for these expansions to occur and bring the site designations into alignment with their long-term utility use, PSE is requesting that the City of Bainbridge Island rezone the properties.

The following summarizes potential outcomes if the Comprehensive Plan Map Amendment and Site-Specific Rezone requests for the three substations were not approved by the City of Bainbridge Island. These outcomes are based on the 10-year planning horizon and preferred solutions identified by PSE's Strategic System Planning department.

Outcome 1: Aquifer Recharge Protection Area Code Amendment. PSE explored the option to amend the existing critical areas regulations as they pertain to Aquifer Recharge Protection Areas (ARPA) to allow an exemption or accommodation for substation uses located on low density residentially zoned property. After discussions with City staff, it was determined that providing an exemption or allowance for a specific non-residential use in specific locations within in the ARPA code was not preferred from a policy standpoint.

The ARPA regulations were passed in 2018 as part of a critical areas code update to address protection of groundwater resources as the entirety of Bainbridge Island was designated as an ARPA based upon its sole source aquifer designation for the community's drinking water. The City chose to impose the ARPA restrictions based on assumptions that the use of the properties in low density residential zoning districts would predominantly be low density single-family residential development. The code does make an incremental allowance for additional developed area for parks and schools, but does not consider other existing essential community uses that are located within low-density residential zoning districts. The substations are within these districts as a vestige of zoning designations and associated development standards being overlaid on existing land uses that were present before Bainbridge Island was incorporated as a city. As the community grows and policies evolve, these essential uses do not necessarily reflect characteristic development within the low density residential zoning districts or the associated policies within the Comprehensive Plan.

The ARPA regulations focus on maintaining the Island's rural character when developing low density residential property. The substation sites are already significantly developed with non-residential uses that will not revert back to having less developed area. Code amendments generally do not target specific sites, but do generally provide performance standards for specific uses. Changing the zoning designation to reflect the use of the sites for substations provides clarity and certainty for the community and is the preferred approach from a policy standpoint.

Outcome 2: Retain Low Density Residential Zoning and Comply with ARPA Regulations. The implications of this approach are site dependent; however retaining the existing zoning at any substation site does not allow for flexibility in upgrading the existing system to meet current and future needs while limiting environmental and community impacts by making full use of the existing sites.

Port Madison Substation: The Port Madison Substation site is currently 75 percent developed. The improvements identified within the next 10 year planning horizon can be accommodated within the existing substation yard footprint. These improvements do not trigger over 800 square feet of new impervious surfaces on the site or 7,000 square feet of land disturbing activity. Therefore, compliance with the ARPA regulations is not triggered. This should sustain substation operations for the next 10 -20 year planning period.

Substation Capacity Improvements: If the Murden Cove Substation site retains the R-2 zoning designation, the BESS cannot be accommodated on the site and would have to be sited elsewhere. Assuming the Winslow Substation retains the R-0.4 zoning designation, the BESS could not be located on that site. Port Madison Substation does not have enough land area for inclusion of the battery at that site, regardless of the zoning designation. Based on land availability on Bainbridge Island, a green field site that is located within low density residential zoning (R-0.4, R-1, or R-2) would be a likely location.

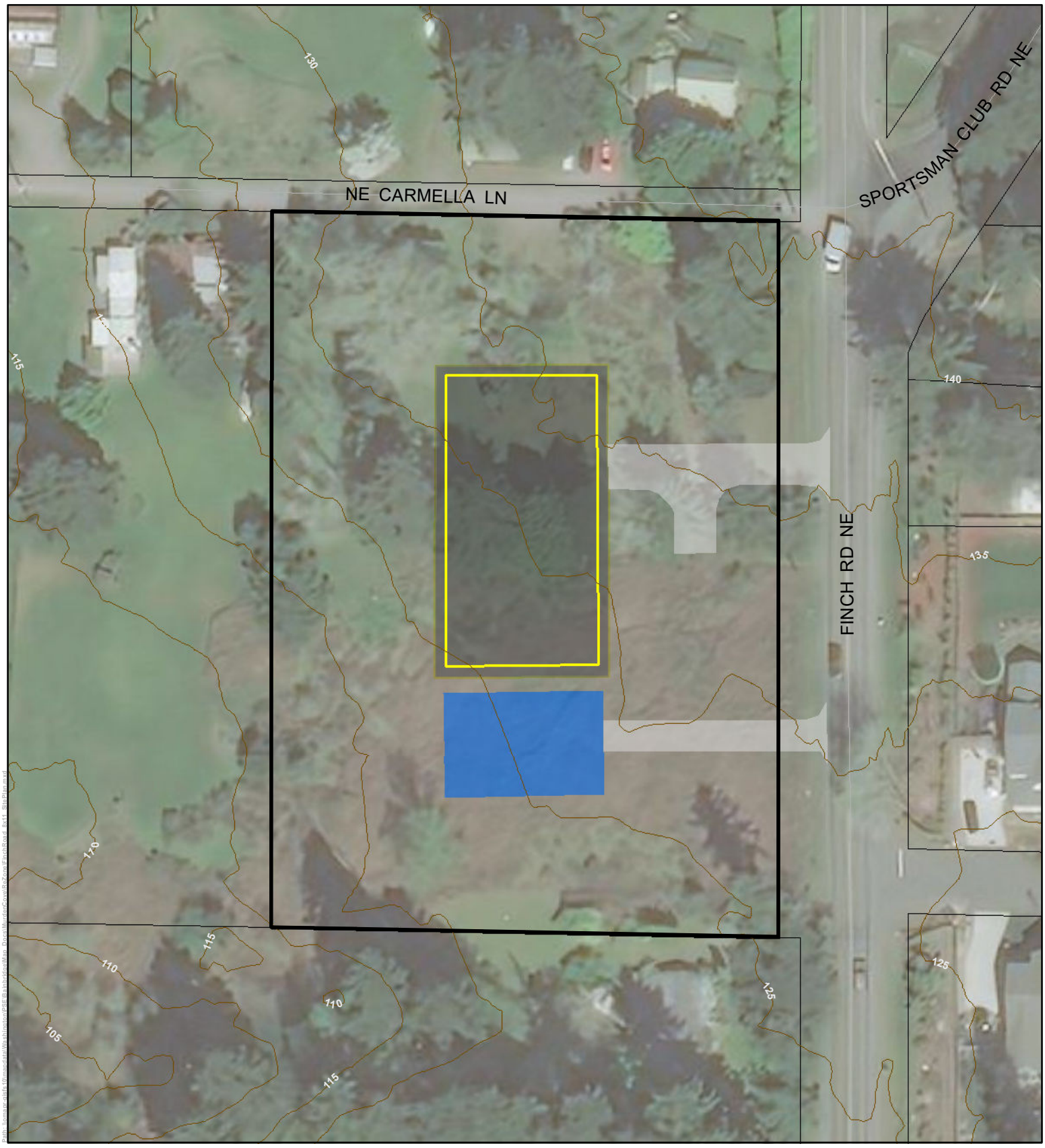
For hypothetical purposes, PSE analyzed a 1.79 acre site at the intersection of Finch Road and NE Carmella Lane as a potential BESS green field site since PSE owns the property. The site is zoned R-1; therefore ARPA regulations would apply. For illustrative purposes, an approximate footprint for the BESS and associated improvements were placed on the site. This is a high level estimate of what would actually be required and does not reflect detailed engineering. An approximate 6,450 square foot expansion footprint for the BESS that could be accommodated at the Murden Cove or Winslow Substation sites was increased by approximately 45 percent to create a hypothetical BESS development area on the PSE green field site (Figure 2: Illustrative Site Plan) and footprints for additional required improvements such as access driveways and a stormwater feature were added. The BESS pad is larger due to additional improvements such as a control house that would otherwise be provided as a component of the Murden Cove or Winslow Substation site station yard. A green field site of this approximate size (1.79 acres) or larger would be needed in order to meet the ARPA standards for siting the BESS on a low density residential site. This does not account for the potential for critical areas or other site features that may impact site layout.

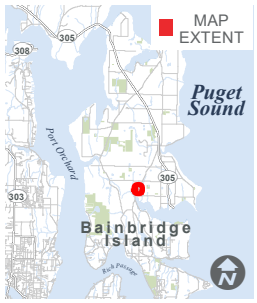
In order for the BESS to serve the intended function, new distribution system feeder infrastructure would have to be installed to the site. This would entail building approximately 1.5 miles of new distribution lines that would be otherwise unneeded if the BESS were accommodated at the Murden Cove Substation or Winslow Substation sites. Ultimately, moving the BESS to a green field location will result in greater impact due to the need to clear a new site and provide redundant improvements, including a control house, access driveways and a site stormwater feature.

Transmission Line Reliability: The inability to expand the existing substation yard at both Murden Cove and Winslow Substation sites to accommodate transmission line improvements with the associated Murden Cove - Winslow 115 kV transmission line would preclude the transmission line from being connected to the existing substations. If the improvements needed to connect the new transmission to the Murden Cove and Winslow Substations cannot be installed at the existing substation sites, then the loop cannot be completed. The substations in their entirety would have to move to

other, larger sites. If the substations moved, the associated linear infrastructure would also need to be relocated. This includes the 2 transmission lines connected to each substation as well as the distribution feeders that are connected to each substation and serve the community (see Figure 2: Substation and Transmission Line Interconnection). Since the substations are sited based on electric load need on the island together with proximity to transmission and distribution infrastructure, any new substation sites would need to be in close proximity to the existing sites. Simply stated, if PSE cannot rezone the current substation sites, moving the substations to alternative site locations also requires rerouting the transmission lines (existing and proposed) and distribution lines connected to the existing substations.

Based on land availability in the vicinity of the sites (Figure 3 and 4: Existing Land Use), a new substation site would likely be located within another low density residential zoning district. For a site subject to the ARPA requirements (within the R-0.4, R-1 or R-2 zoning districts), a site over 2 acres in size would need to be acquired. This does not account for potential site characteristics such as stream or wetland critical areas or buffers, site topography, site configuration or other factors that may impact the ability to develop the site. If a site were acquired that located within a zoning district that did not require ARPA compliance, it is likely that another use would need to be displaced as there is little undeveloped land located outside of the R-0.4, R-1 and R-2 zoning districts. In any case, relocation of either substation would incur substantial impact beyond that resulting from making use of expansion area on the existing substation sites. Impacts may include significant cost to acquire new property, install improvements on the new site as well as reconfiguration the transmission and distribution infrastructure serving each site, and decommission the existing facilities. Additionally, site improvements beyond the substation yard would need to be installed at the new sites including access driveways, stormwater features and landscaping improvements at a minimum. Because this approach is far more impactful and costly, it is not under consideration by PSE at this time.





- Site Boundary
- Approximate Driveway
- Approximate Stormwater Feature
- Approximate BESS Footprint
- Contour (5ft)
- Kitsap County Parcels
- Local Roads

This is a hypothetical scenario for illustrative purposes and not a development proposal.

0 60 Feet

1 inch = 60 feet

FIGURE 1
ILLUSTRATIVE SITE PLAN
BATTERY ENERGY STORAGE SYSTEM (BESS)

PARCEL: 272502-2-073-2002
7580 FINCH RD NE

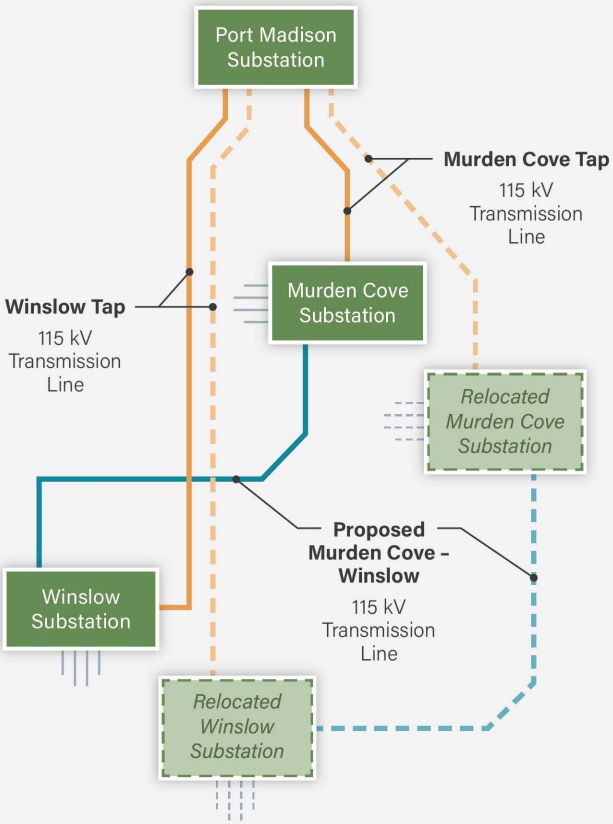
Page: 1 of 1

Date: 2/23

SOURCES: Wetlands, streams, and roads - City of Bainbridge Island (2019), Aerial - City of Bainbridge Island (2017) Online.

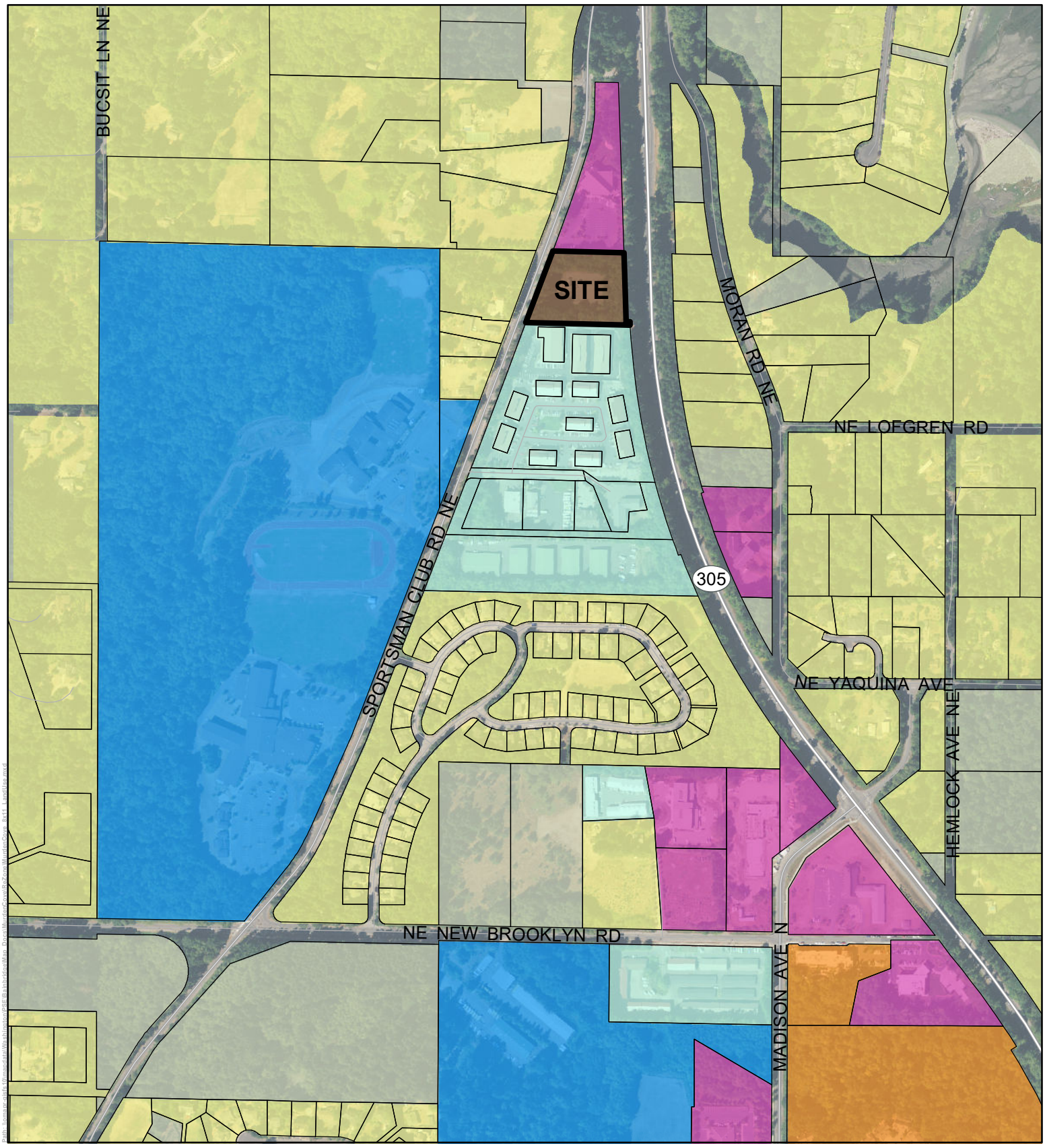
FIGURE 2

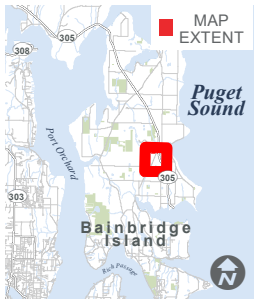
Substation and Transmission Line Location Interconnection



LEGEND

- Existing 115 kV transmission line
- Relocated 115 kV transmission line
- Proposed 115 kV transmission line
- Relocated Proposed 115 kV transmission line
- Distribution Lines
- Relocated Distribution Lines





Site Boundary
Kitsap County Parcels
State Route
Major Roads
Local Roads

Community Facility
Multi-family Residential
Single-family Residential
Commercial
Utilities
School
Undeveloped

0 500 Feet
1 inch = 500 feet

Figure 3: EXISTING LAND USE

MURDEN COVE SUBSTATION

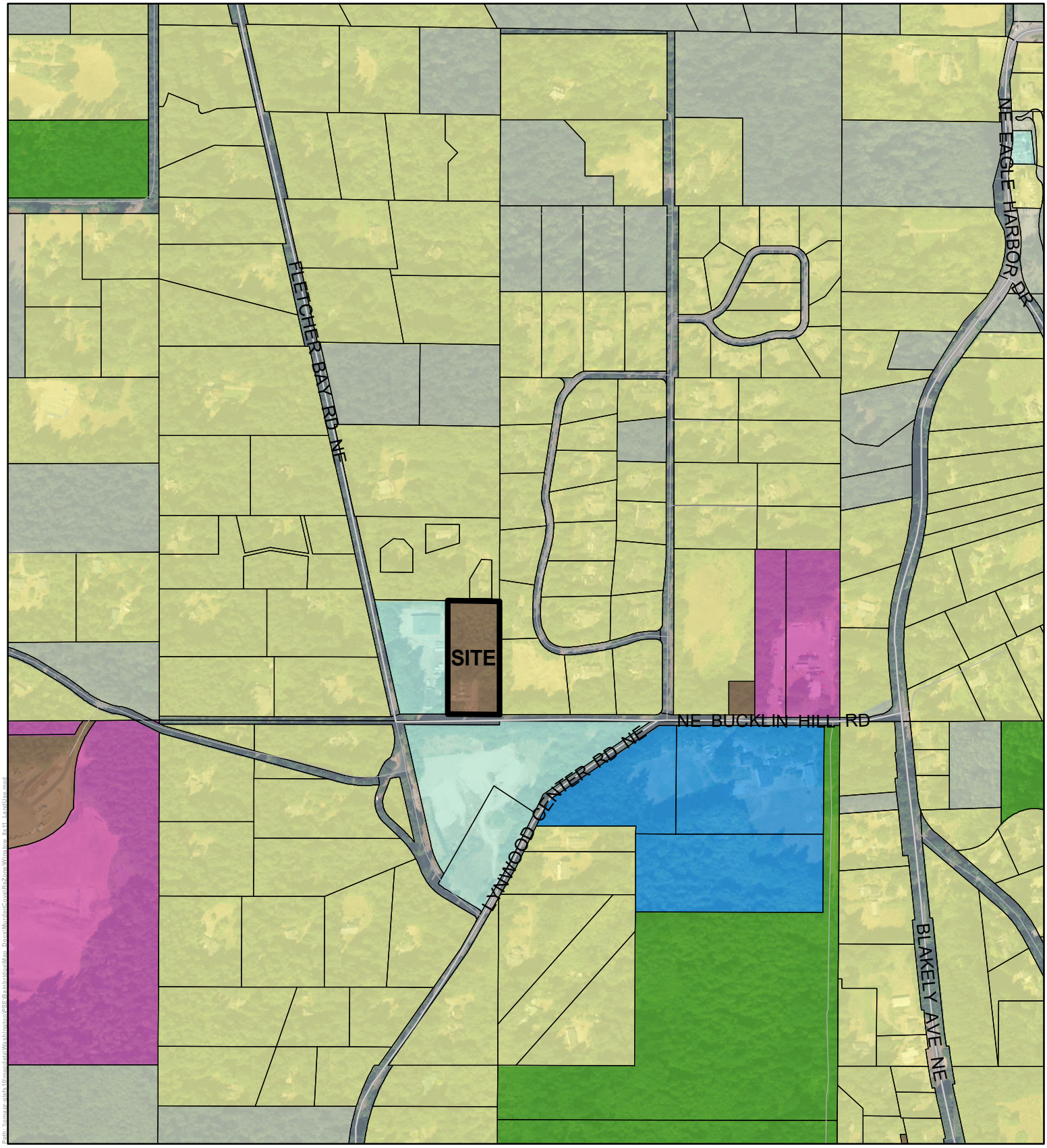
PARCEL: 222502-1-024-2009
9582 SPORTSMAN CLUB RD NE

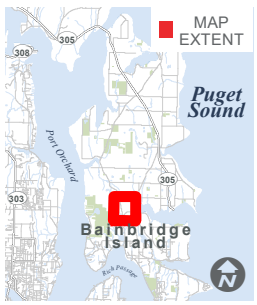
Disclaimer: Minor changes to land use data from Kitsap County Assessor has been made to reflect underlying land use.

Page: 1 of 1

Date: 2/14/2020

SOURCES: Wetlands, streams, and roads - City of Bainbridge Island (2019), Aerial - City of Bainbridge Island (2017) Online.





Site Boundary
Kitsap County Parcels
Major Roads
Local Roads

Community Facility
Single-family Residential
Commercial
Utilities
School
Conservation
Undeveloped

0 500 Feet
1 inch = 500 feet

Figure 4: EXISTING LAND USE

WINSLOW SUBSTATION

PARCEL: 4178-000-028-0204
NE BUCKLIN HILL RD

Disclaimer: Minor changes to land use data from Kitsap County Assessor has been made to reflect underlying land use.

Page: 1 of 1

Date: 2/14/2020

SOURCES: Wetlands, streams, and roads - City of Bainbridge Island (2019), Aerial - City of Bainbridge Island (2017) Online.

CITY OF BAINBRIDGE ISLAND

DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT

STAFF ANALYSIS

Date: March 30, 2023

To: City Council

From: Kelly Tayara, Senior Planner

Project: Puget Sound Energy Site-specific Rezone and Comprehensive Plan Amendment (CPA) for Port Madison Substation (Day Road at State Route 305)

File Number: PLN52101 REZ/CPA

Summary of Request

Puget Sound Energy (PSE) requests approval to change the site zoning from R-0.4 / Residential to Business / Industrial (B/I), which is a change to the Comprehensive Plan land use map and zoning map.

PSE requests the change from residential to B / I in order to support the long-term needs of the community. According to PSE, residential designation focuses on low-density residential development and conservation, does not reflect the historic long-term utility use of the site, and is inconsistent with its statutory duty to serve the community with essential infrastructure and electrical service, whereas a B / I designation is consistent with utility use.

The substation was established on the site in 1954 when the property was located in unincorporated Kitsap County. PSE has determined that long-term service projections (beyond ten years) indicate the potential need to expand the substation to accommodate future electrical demand from Bainbridge Island customers and ensure station reliability, and that the current Municipal Code requirements for the residential district, particularly those related to Aquifer Recharge Protection Areas, do not provide flexibility to upgrade and expand the substation in the future.

Part I: Land Use Process / Application History

Date:	Action:
November 9, 2021	Preapplication conference held
January 13, 2022	Public Participation meeting held
February 25, 2022	Application submitted
March 25, 2022	Application deemed complete
April 22, 2022	Notice of Application / SEPA Comment Period issued
August 11, 2022	Planning Commission meeting held: CPA overview
October 13, 2022	Planning Commission study session held
October 20, 2022	SEPA Threshold Determination (DNS) issued
March 23, 2023	Planning Commission public hearing held

Part II: General Information and Site Characteristics

Assessor's Record Information:	
Tax lot numbers	032502-3-013-2001
Site Address	No site address: Northwest corner of Day Road & State Route 305
Owner of record	Puget Sound Energy
Site size	1.23 acres

Use:

Utility (Primary)

The Port Madison substation is one of three electric substations on Bainbridge Island that distribute electricity to homes and businesses within the community. Two transmission lines, the Port Madison Tap and the Foss Corner-Port Madison 115 kV lines, bring power to the Island from the Kitsap Peninsula over Agate Pass to the Port Madison substation. Electricity is then transferred to the other two substations on the Island via two radial transmission lines.

Utilities produce, transmit, carry, store, distribute, or process power or information. Primary utilities include utility lines, electrical power generating or transfer facilities, radio cellular telephone and microwave towers, and utility poles. Transmission utility poles support lines which transport electrical power (55kV or higher) from generation sources to substations. Distribution utility poles support lines which transport electrical power (less than 55kV) through distribution transformers from substations to homes and businesses. Utility poles may also support communication lines.

A primary utility is a permitted use in the B/I district and a conditional use in the R-0.4 district. A conditional use is one that is permitted subject to compliance with a set of conditions or requirements set forth in the Municipal Code.

Zoning Designation:

R-0.4 (Business / Industrial requested)

Comprehensive Plan Designation:

Residential R-0.4 (Business / Industrial requested)

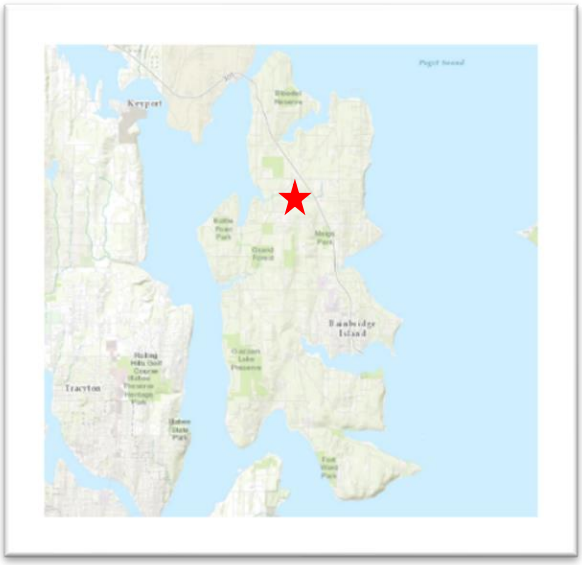
Soils:

Kapowsin gravelly loam

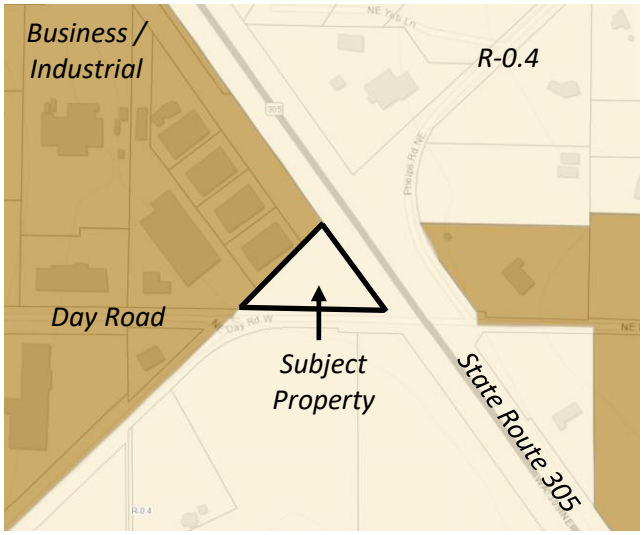
Surrounding Properties - Use, Zoning, and Comprehensive Plan Designation:

	Use (clockwise from north)	**Zoning District**	**Comprehensive Plan Designation**
East	Phelps / Day Road Park & Ride (right-of-way) and a lot with commercial / storage buildings	R-0.4	Residential-0.4
South	An undeveloped lot and a single-family residential lot	R-0.4	Residential-0.4
West	Two light manufacturing businesses that are part of the larger Day Road Industrial Park.	Business / Industrial	Business / Industrial

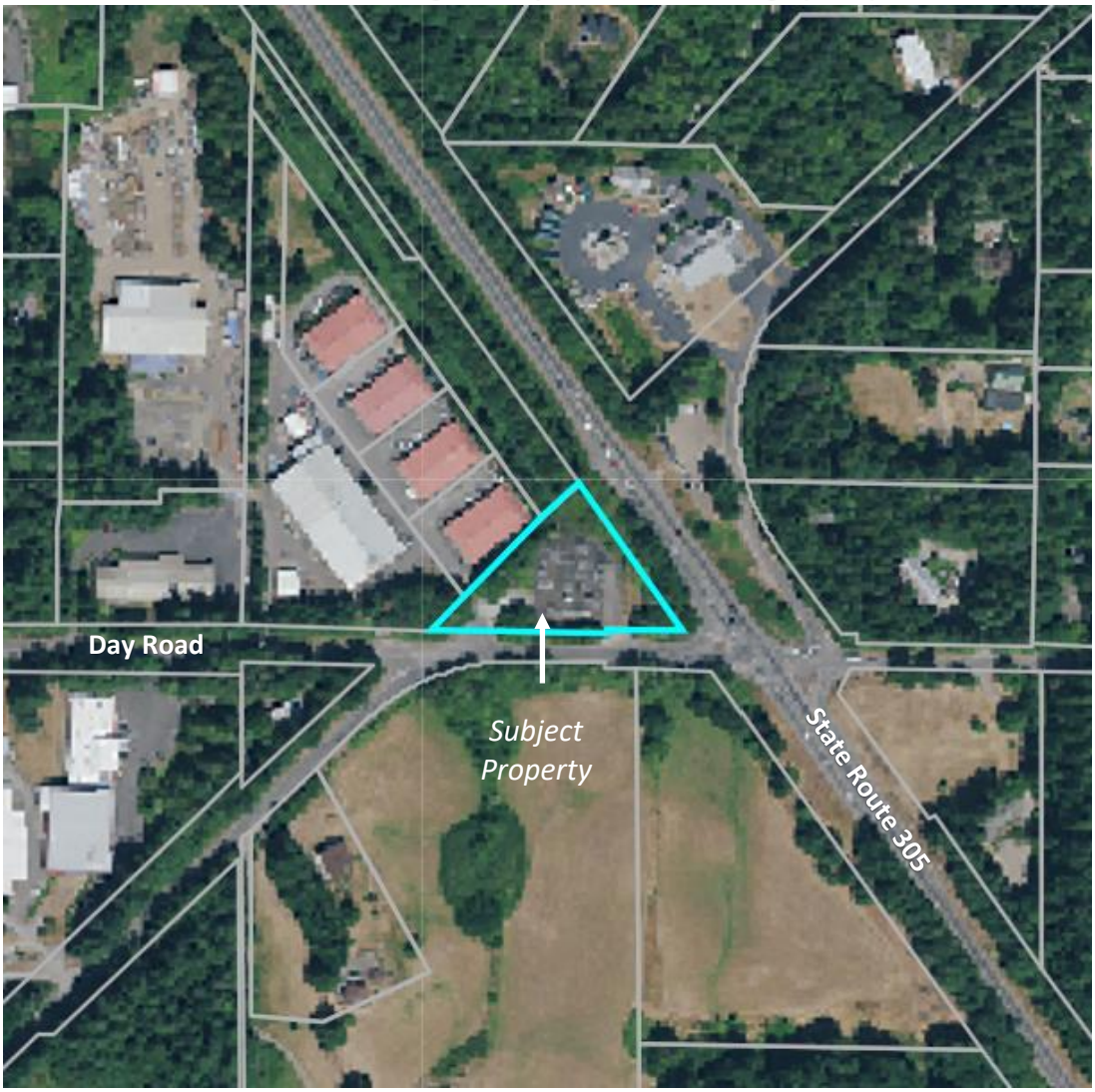
Vicinty Map



Zoning Map



Site and Surrounding Development / Aerial Image (2018)



Part III: Comprehensive Plan Guiding Principles, Goals and Policies

The Comprehensive Plan designation for the site is Residential R-0.4, and the applicant requests Business / Industrial designation. Comprehensive Plan goals and policies which are applicable to both districts are listed below, along with those applicable to electric utilities on the Island.

Comprehensive Plan Goals and Policies	Staff Annotation
Land Use Element	
Business / Industrial (B / I) Goal LU-10: Provide appropriate B / I zoned land to create opportunities for new businesses and expansion of existing Island businesses for diversity of jobs and for low-impact industrial activity that contributes to well-paying and new employment opportunities, where traffic congestion, visual, and other impacts on the surrounding neighborhood can be minimized.	While future redevelopment of the site may result in employment opportunities and business expansion, there are no employment opportunities directly resulting from a change in the land use designation.
Policy LU 10.1: The B / I District is for light manufacturing development as well as other uses that add to the diversity of economic activity on the Island.	Primary utility use is a permitted use in the B / I district and conditional use in all other districts.
Policy LU 10.6: Performance standards for the B / I district address odor, lighting, noise, vibration, signage, traffic volumes, ingress and egress, parking, delivery and loading areas, and pedestrian and vehicle circulation, to create safe, efficient, compatible conditions among a variety of on-site uses and to protect adjacent residential neighborhoods.	All districts include performance standards to protect adjacent residential-zone properties from non-residential use.
Policy LU 10.7: B / I uses must be visually screened year-round from adjacent non-industrial properties and roadways, especially scenic highway SR 305. The visual screening could be achieved through a combination of vegetation and building setback that would add depth to the buffer.	Both setbacks and vegetation buffers from Day Road and SR 305 double in width from 25 to 50 feet if the property is designated B / I.
Policy LU 10.8: Discourage the inappropriate designation of isolated B / I Districts.	The property is adjacent to other properties which are within the B / I district.
Policy LU 10.9: Isolated B/I activities are designated to reflect historical use and the designation shall not be expanded.	The historical use of the property is as a primary utility.
Residential District Goal LU-14: Develop context-sensitive regulations for residential development in areas designated R-2, R-1 or R-0.4, in order to limit clearing, soil disturbance, promote low impact development and reconcile development and conservation.	Residential districts are intended for residential development, agricultural and forestry use. However, with few exceptions, residential and B / I districts are similarly regulated. Notable differences are:

	• Setbacks and vegetation buffers from roads are 25 feet in width in the residential district and 50 feet in width in the B / I district. • Aquifer Recharge Protection Area (ARPA) designation is required in the residential district but not in the B/I district for any activity involving land use disturbance over an area 7,000 square feet in size or greater. Any activity, including clearing, is allowed in the ARPA provided that the activity maintains the pre-construction groundwater recharge volume. Landscape buffer regulations, in which trees must be retained, afford more stringent vegetation retention requirements. • Total Site Tree Unit requirements are applicable to the residential district and not applicable to the B / I district, but trees must be retained in roadside buffers within either district.
Policy LU 14.1: The Residential District area is designated for less intensive residential development and a variety of agricultural and forestry uses.	A change to B / I designation results in less intensive residential development.
Policy LU 14.2: Encourage residential development that is compatible with the preservation of open space, forestry, agricultural activities, and natural systems. Accessory farm buildings and uses are allowable.	A change to B / I designation results in larger landscape buffer requirements. Primary utility use is otherwise incompatible with this residential policy.
Policy LU 14.3: Maintain the natural and scenic qualities of the Island by limiting residential density.	A change to B / I designation limits residential density.
Economic Element	
Diversified Economy Goal EC-1 (excerpt): By providing enterprises that both serve and employ local residents, the Island will be better able to withstand fluctuations in the larger regional economy. In addition, people who live and work in their community are available to invest time and money in their families, organizations, and community life.	PSE serves and employs local residents. While future redevelopment of the site may result in employment opportunities and business expansion, there are no employment opportunities directly resulting from a change in the land use designation.
Infrastructure Goal EC-2: Provide sufficient and resilient infrastructure that is supportive of a healthy economy and environment, particularly telecommunications and electrical reliability.	PSE requests the change to B / I because the current requirements for the residential district, particularly those related to Aquifer Recharge Protection Areas, do not provide flexibility to potentially upgrade and expand the substation in the future in order to serve the future electrical demand and ensure station reliability.

Policy EC 2.1: Identify long-term infrastructure needs that support economic sustainability and are designed to withstand future conditions.	PSE engages with the community and participates in public meetings to identify long-term infrastructure needs. Increased population growth upon which the Comprehensive Plan is based results in increased telecommunications and electrical infrastructure needs.
Policy EC 2.2: Support infrastructure enhancement to accommodate new information technology and changing conditions.	The rapidity of technological developments outpaces the City's ability to accommodate timely changes to the Comprehensive Plan: Amendment requests are only accepted every three years.
Sustainability Policy EC 3.6: Policy EC 3.6 Create opportunities to foster green technology and industries, such as energy, waste and information technology, which have the potential to create local, family wage jobs in our community at the same time we are protecting our natural beauty, environmental and economic health.	The PSE Electric Reliability Projects include Bainbridge Island electric system improvements to address current energy solutions and future potential need. For example, the Planning Commission recently recommended requirements and incentives for electric vehicle charging infrastructure.
Public/Private Partnerships Policy EC-7.1: Leverage technology assets, such as existing fiber connections, to support technology- based businesses and potentially to pursue new revenue streams.	Potentially, future expansion of the substation would likely result in improved electric and communication reliability for home-based businesses. There are no direct impacts resulting from a change in the land use designation.
Services Sector Policy EC 9.3: Promote an emerging professional services sector that recognizes the Island's linkage to the Seattle job market for managerial jobs and information-based industries.	Potential future expansion of the substation would result in improved electric and communication reliability on the Island and therefore support an emerging professional services sector, including those who telecommute. There are no direct impacts from a change in the land use designation.
Building Design and Construction Sector Goal EC-10 (excerpt): The professions and trades involved in design, construction, furnishing, renovation and marketing of commercial and residential real estate constitute a large and very important sector of the Island's economy. Productivity and profits within that sector are crucial factors in the stability and well-being of the entire community.	Site redevelopment such as a potential future expansion of the substation that would result in improved electric and communication reliability would support design, construction, furnishing, renovation and real estate professions and trades. There are no direct impacts resulting from a change in the land use designation.
Home-based Businesses Goal EC-13: Foster home-based businesses as a key to a present and future vital economy. Nearly half of all businesses licensed on Bainbridge Island are reported as homebased. Bainbridge Island allows home-based businesses in all zones, and 16.3% of the Island workforce works from home.	Site redevelopment such as a potential future expansion of the substation that would result in improved electric and communication reliability would support home-based businesses. There are no direct impacts resulting from a change in the land use designation.

Business / Industrial Goal EC-15: The B / I land use designation should provide space for job creating enterprises. Island based businesses provide the possibility of living and working in the community. It is the purpose of the B / I land use designations to provide opportunities for light industrial and other non-retail activities. The City should be prepared to respond to a changing marketplace and the business opportunities perceived by its citizens, when those opportunities require pre- existing infrastructure and well-designed accommodations in order to flourish.	Future redevelopment of the site would result in increased opportunities for Island-based businesses to thrive and increased opportunities to live and work in the community. A change to B / I designation is consistent with primary utility use as a non-retail activity.
Policy EC 15.1: Promote manufacturing and business / industrial employment as an important source of family wage jobs on Bainbridge Island.	Primary utility use is permitted in the B / I district and a conditional use in the residential districts which results in a more cumbersome land use process.
Policy EC 15.2: New B / I land use designations will be considered based on the following: • Proximity to existing B / I • Adjacency to non-residential land uses • Reasonable proximity to SR 305 • The total amount of and expected need for B/I-zoned land • Compliance with all policies in the Land Use Element • Availability of public sewer and water, or whether permitted uses might safely use wells and septic systems or other alternative systems that are approved by the Kitsap Public Health District • Consideration of pollution and aquifer recharge concerns • Minimal impact to residential land uses, neighborhoods and open space/conservancy and agriculture areas.	The property is adjacent to existing B / I properties which contain non-residential development and is bound to the east by SR 305. A change to B / I designation would increase the total amount of land within B / I – zoned lands. A change to B / I designation is consistent with land use policies for the B / I district. Use as a primary utility is not reliant on water or sewer / septic services. Electric utility facilities generally are not a use identified as having the potential to contaminate drinking water. All districts include performance standards to protect from non-residential use.
Transportation Element	
Ferry Service Goal TR-3: Coordinate with Washington State Ferries (WSF) and other ferry service providers to ensure that ferries meet local service and commuter needs, are integrated with all travel modes and provide equitable regional service.	Future plans for the City, including electric vehicle charging infrastructure, and plans for electrification of the Washington Ferry System require reliable electrical service and capacity on the Island. There are no direct impacts resulting from a change in the land use designation.

Policy TR 3.1: Advocate for ferry services to and from Bainbridge Island in order to optimize the use of each ferry service, balance peak hour travel times and provide ferry capacity in proximity to users' origin and destination.	Plans for electrification of the Washington Ferry System require reliable electrical service and capacity on the Island. There are no direct impacts resulting from a change in the land use designation.
Transportation Demand Management Goal 5: Encourage greater efficiency of the integrated multimodal transportation system that provides a range of transportation alternatives and increases the through movement of people.	Integrating electric transportation alternatives requires reliable electrical service and capacity. There are no direct impacts resulting from a change in the land use designation.
Policy TR 5.3: Encourage schools, the private sector and the public sector to adopt programs that reduce SOV use including telecommuting, promotion of ridesharing, walking, biking and reliance on buses.	A potential future expansion of the substation would result in improved electric and communication reliability and support programs to reduce single-occupancy vehicle use, including telecommuting and electric bicycles, buses and ferries. There are no direct impacts resulting from a change in the land use designation.
Utilities Element	
Goal U-1: Ensure that reliable utility services are available to all Bainbridge Island residents.	The PSE request is based on the premise that, in order to serve the future electrical demand and ensure station reliability, the change in land use designation is needed.
Goal U-2: Ensure that the utility services are comparable in terms of cost, quality, and technology to services available in similar jurisdictions in the Puget Sound region.	A comparison of utility services in similar jurisdictions was not evaluated as part of the request to change the Comprehensive Plan designation of the property.
Goal U-3: Ensure that utility services are adequate to meet current demands, and that utility providers plan for future demands.	The PSE request is based on the premise that to serve future electrical demand and ensure reliability, the change in designation is needed.
Goal U-4: Ensure that the provision of utility services is environmentally responsible and sustainable, and encourage utility services that are carbon neutral and do not contribute to climate change.	PSE aspires to a goal to achieve Beyond Net Zero Carbon by 2045.
Goal U-5: Ensure that new or major renovations to existing utility facilities are designed to minimize adverse impacts on residents and the environment.	Regardless of the Comprehensive Plan designation, standards in the Municipal Code provide for protections to residents and the environment.
Goal U-8: Cooperate with other jurisdictions and utility providers in planning and implementing utility facility additions, improvements, maintenance, and emergency response, so that such activities are coordinated for maximum efficiency and public benefit.	PSE is a utility provider requesting to change the property to B / I in order to facilitate potential facility improvements.

Electrical Element Introduction: The City is currently served by Puget Sound Energy (PSE), which provides electricity generation sources, transmission, distribution and maintenance of electrical facilities throughout the Island. PSE is regulated by the Washington Utilities and Transportation Commission (WUTC). It is the commission's responsibility to ensure regulated companies provide safe and reliable service to customers at reasonable rates, while allowing them the opportunity to earn a fair profit.	
Electrical Goal U-14: Ensure adequate, cost effective, reliable, and environmentally responsible electric service to the citizens of Bainbridge Island.	The PSE request is based on the premise that, in order to serve the future electrical demand and ensure station reliability, the change in land use designation is needed.
Policy U 14.1: Develop a plan together with the electric service provider to undertake energy efficiency improvements and other alterations of electric utility facilities to provide capacity for future growth.	PSE continues to engage with Islanders as part of its Electric Reliability Projects which include Bainbridge Island electric system improvements to address current problems along with future needs.
Policy U 14.2: Encourage the conservation of electrical energy, especially during periods of peak usage, and encourage energy saving building code strategies, local renewable energy, and other cost effective approaches to meeting the island's energy needs, including distributed energy systems.	An evaluation of cost-effective approaches to electrical energy conservation, usage during peak periods, building codes, and renewable energy resources was not conducted as part of the request to change the Comprehensive Plan designation of the property.
Policy U 14.3: Encourage the electric service provider to improve reliability, with particular attention to adding transmission redundancy and mitigating impacts on service from storms or other natural events.	The PSE request is based on the premise that, in order to improve reliability and increase transmission redundancy, the change in land use designation is needed.
Policy U 14.4: Encourage undergrounding new and existing electric transmission and distribution power lines, and develop a long-term strategy for future undergrounding, to include maximizing opportunities with new construction, and prioritizing the work that affects the greatest number of households and businesses.	An evaluation of undergrounding utilities was not conducted as part of the request to change the Comprehensive Plan designation of the property.
Policy U 14.5: Encourage the electric service provider and electricity users to use carbon neutral electricity generation, local electricity generation, and innovative technologies such as solar power that are reliable, cost effective, preserve resources, provide minimal environmental impact, and do not contribute to global warming.	PSE aspires to a goal to achieve Beyond Net Zero Carbon by 2045.

Part IV BIMC Title 18 Zoning

A. BIMC 18.09.020 Permitted Uses

Primary utilities are a subset of Utility and Telecommunications use and a permitted use in the Business / Industrial (B/I) district. Site Plan and Design Review permit is applicable for new construction of nonresidential buildings or structures.

Primary utilities require a conditional use permit (CUP) in the R-0.4 district, provided: Replacement, maintenance or upgrade of existing poles and equipment within a utility corridor or right-of-way is a permitted use. A conditional use is one that is permitted subject to compliance with a set of conditions or requirements set forth in the Municipal Code.

B. Comparison of Dimensional and Development Standards for Primary Utilities (where different)

Municipal Code Section	Standard	R-0.4 District	B / I District	Evaluation Summary
Tables of Dimensional Standards BIMC 18.12.020	Lot Area	100,000 sq.ft.	20,000 sq.ft.	Lot area is nonconforming to the R-0.4 standard and would conform to B/I district standard.
	Lot Dimensions	110 ft width & 110 ft depth	N/A	The lot conforms to either standard.
	Lot Coverage	10 % maximum	35 % maximum	Existing development conforms to either standard.
	Setback - Front Lot Line	25 feet	50 feet along public right-of-way	Existing utility structures are permitted in setbacks. Existing development conforms to either standard, as provided in BIMC Table 18.12.040.
	Setback - Side Lot Line	15 feet	10 feet; 50 feet when abutting residentially-zoned properties	Existing development conforms to either standard.
	Building Height	30 feet base; Bonus height to 35 feet with CUP	35 feet base; Bonus height to 45 feet with CUP	Alternative height limits may apply for nonresidential uses if additional conditional use provisions are met. Existing development is not evaluated for this standard.

	Structure Height			An exemption from the height limits for structures can be approved through a minor conditional use if: View opportunities are not substantially reduced; No structure is located in any required setback except as otherwise allowed in setbacks; Each setback requirement shall be increased one-half foot for every foot above the maximum structure height. Existing development is not evaluated for this standard.
	Structures (New) except buildings and distribution poles	30 feet base; Bonus height to 35 feet with CUP	35 feet base; 45 feet with CUP	
	Transmission Pole (New)	30 feet base; Bonus height to 35 feet with CUP	35 feet base; 45 feet with CUP	
Landscaping, Screening, and Tree Retention, Protection and Replacement BIMC 18.15.010	Perimeter Landscape Buffer	25 ft from residential districts 20 ft from non-industrial use	50 ft from non-B/I	Existing development is nonconforming to either standard.
	Roadside Landscape Buffer	50 ft from SR 305 25 ft from other rights-of-way	50 ft from rights-of-way	Existing development is nonconforming to either standard.
	Total Site Tree Unit Requirements	40 tree units per acre or the same number pre- and post-development	N/A	This standard is only evaluated upon development or redevelopment. The existing number of tree units is not known.

Part V Public Comment

Five public comments were received, all in support of the proposal. A summary of comment follows:

Reliability on the Island needs to be improved and Puget Sound Energy (PSE) Beyond Net Zero goals depend on a reliable grid. PSE is not meeting many of its service reliability metrics, and as a city we are not presently poised to meet current or future electric needs.

PSE must periodically upgrade substations to provide reliable and safe power to customers in the long term. The electric infrastructure on the Island is decades old, and Islanders currently experience reliability challenges, especially for the south end of the Island, and present special accessibility challenges to the elderly. The substations support the transmission and distribution lines that bring

power to homes and businesses, including those who telecommute. Improved reliability and capacity on the Island will improve overall quality of life on the Island.

PSE has been both transparent and thorough in its public engagement for its Electric Reliability Projects (which include Bainbridge Island electric system improvements). PSE has done its due diligence in finding appropriate solutions to our current energy problems while planning to remain flexible in order to address future needs. Reliability and capacity issues include the planned future electrification of ferries and other transportation on the Island.

Granting this application would allow PSE to move forward more quickly with long-overdue electric improvements. A larger setback would be required for a Business / Industrial designation that would afford even greater protections to area residents. Approval of the change from a residential to Business / Industrial property is consistent with the goals and policies of the Comprehensive Plan, specifically Utilities / Electrical and Business / Industrial, and aligns the zoning with the long-term use of the property and zoning of neighboring business properties.

Rezoning this property helps to limit the need to site utilities on new parcels and make the best use of the existing site. Relocating the substation from its current location to larger sites to support the needed infrastructure to supply power to the community would also result in the need to relocate the infrastructure supported by the existing substations, including distribution and transmission lines. Searching for alternative sites would only create more delays in implementing PSE Beyond Net Zero goals which depend on a reliable grid.

Part VI Staff Analysis and Recommendation

The Comprehensive Plan states that residential districts are intended for residential development and a variety of agricultural and forestry uses, and development should be compatible with open space and agricultural activities. The Comprehensive Plan states that the purpose of the B / I designation is to provide opportunities for light industrial and other non-retail activities.

The Municipal Code states that the purpose of the R-0.4 district is to provide low-density housing in an environment with special Island character consistent with other land uses, such as agriculture and forestry, and the preservation of natural systems and open space. The Code states that the purpose of the B / I district is to facilitate development of a diverse economy on the island with business retention, growth, and innovation, and that the district is intended to provide opportunities for knowledge-based businesses and expansion of Island businesses, for diversity of jobs, and for low-impact industrial activity that is compatible with adjoining residential neighborhoods.

The Comprehensive Plan goals and policies applicable to the B / I designation are more closely aligned to utility use than those of the residential designation. Taking into consideration provisions for existing development which is nonconforming to current standards that apply regardless of the district, the notable differences are:

1) Aquifer Recharge Protection Area (ARPA) designation is required in the currently zoned residential district but not in the B/I district. Specific to this site, ARPA regulations mandate that any activity involving land use disturbance over an area 7,000 square feet in size or greater require that the areas of existing native vegetation, which cover no more than 20,000 square feet or 37 percent of the site, would be designated. Any activity is allowed in the ARPA provided that the activity maintains 100 percent of the annual average pre-construction groundwater recharge volume for the site; this determination requires a hydrological assessment. The soil type on the site is moderately drained above hardpan with a very slow drain rate through the hardpan layer, which typically occurs from 20 to 32 inches below the ground surface, resulting in areas that do not generally support significant recharge capacity without modifications.

2) A substation is an electric utility, more specifically defined as a Primary Utility in the Municipal Code. Primary utilities are a permitted use in the B/I district and a conditional use in all other districts.
3) Lot area is nonconforming to the residential standard of 100,000 square feet per lot and would be conforming to the B / I standard of 20,000 square feet per lot.
4) The front lot line setback from both Day Road and SR 305 is 25 feet in the R-0.4 district and 50 feet in the B / I district.
5) The standard roadside landscape buffer along Day Road is 25 feet in the R-0.4 district and would be 50 feet if the property is zoned B / I.
6) Total Site Tree Unit requirements are applicable to the residential district and not applicable to the B / I district.

The staff recommendation to approve the change from residential to B / I designation is largely based on consistency with the goals and policies of the Comprehensive Plan, wherein utility use is consistent with the Business / Industrial designation and inconsistent with residential designation.

Part VII Land Use Review Procedures

A. Review and Recommendation by Planning Commission

Subsequent to completion of the analysis and SEPA review prepared by staff, the Planning Commission shall conduct one or more public hearings as defined in BIMC 2.14.020.G. Planning Commission Recommendation on Comprehensive Plan Amendments

The Planning Commission shall base its recommendation on whether the application meets the required decision criteria and consider public input, conclusions from any required studies, the staff recommendation, and findings from the SEPA analysis.

The Planning Commission conducted a public hearing in accordance with the Municipal Code and recommends approval of the application.

B. City Council Review and Decision.

The City Council considers whether the application meets the required decision criteria, and considers the staff recommendation and the Planning Commission recommendation within the context of its budget discussions, and may act on the amendment proposals prior to or at the same time as it adopts the City budget. The Council may decide to approve, deny, or approve with modification the proposed amendment. The Council shall base its decision on consideration of the record and the required decision criteria and shall cite these in its findings and conclusions.

C. BIMC 2.16.140.H Site-specific Rezones Decision Criteria

The following criteria shall be considered in any review for a site-specific rezone in order to establish a recommendation to approve, disapprove or approve with conditions:

1) The site-specific rezone will not be materially detrimental to the public welfare or injurious to the property or improvements in the immediate vicinity and zone in which the property is located.

The rezone is not materially detrimental to public welfare or injurious to property or improvements in the vicinity. The property to the northwest is zoned B / I and permitted uses in the district are conducted on that property. The property is bound by SR305 to the northeast and Day Road to the south.

2) The site-specific rezone is warranted because of changed circumstances and the proposed designation is appropriate for reasonable development of the subject property, or because of a

need for additional property in the proposed zone, and the proposed designation is appropriate for reasonable development of the subject property.

The rezone recognizes the historic use of the property as a utility, which is a permitted use in the B / I district. The rezone is consistent with the development standards for the B / I district, and is appropriate for reasonable development of the property.

3) The subject property is suitable for development in general conformance with zoning standards under the proposed zoning designation.

The property conforms to all B / I district zoning standards.

4) The property will be served by adequate public facilities including roads, water, fire protection, sewage disposal facilities and storm drainage facilities for the intensity to which it is being rezoned.

The property is served by public right-of-way and fire / life / safety protection afforded to properties in the vicinity. Use as a primary utility does not rely on sewage facilities. Storm drainage facilities are evaluated when a specific development is proposed.

5) The site-specific rezone is in accord with the Comprehensive Plan.

The rezone is consistent with the goals and policies of the Comprehensive Plan. Utility use is consistent with the Business / Industrial designation and inconsistent with residential designation. Comprehensive Plan goals include ensuring that utility services are adequate to meet current demands, and that utility providers plan for future demands.

6) The site-specific rezone complies with all other applicable criteria and standards of the City.

The rezone complies with applicable criteria and standards. All future development must comply with applicable Municipal Code regulations.

7) The site-specific rezone would not devalue surrounding or nearby property.

Utility use was established on the property over 60 years ago. The rezone recognizes historical use of the property, and would not devalue surrounding or nearby properties.

8) The site-specific rezone will not result in an adverse environmental consequence.

The rezone results in no adverse environmental impact. All future development must comply with applicable environmental regulations.

D. BIMC 2.16.190.H Legislative Comprehensive Plan Amendments Decision Criteria

The Planning Commission and City Council shall base their respective recommendation or decision on a proposed comprehensive plan amendment on the following criteria:

1) Compliance with Law: Amendments to the Comprehensive Plan shall comply with the Growth Management Act and other state and federal laws.

The amendment in the Comprehensive Plan designation complies with the Growth Management Act and other state and federal laws. In order to be compliant with the Growth Management Act, an amendment to the Comprehensive Plan must be accompanied by a change in the zoning designation.

2) Resources:

a. The City must have the resources, including staff and budget, necessary to implement the proposal.

b. The amendment will not result in development that has significant adverse effects on community resources, including but not limited to: Water resources, utilities, transportation, parks or schools.

c. The amendment must not adversely affect the City's ability to provide the full range of public facilities and services at the planned level of service, or consume public resources otherwise needed to support Comprehensive Plan implementation strategies.

This amendment request for a change to the Land Use Map of the Comprehensive Plan can be updated by staff without undue adverse impact to resources at this time.

3) Internal Consistency: Amendments shall be consistent with the land uses and growth projections that are the basis of the comprehensive plan and with the overall intent of the Comprehensive Plan, including the community vision, overriding principles, and overall goals that guide the plan.

This amendment is consistent with the overall community vision as adopted in the City's Comprehensive Plan because it addresses electric reliability and capacity needs on the Island. Increased capacity and reliability serve residents and neighborhood centers, such as Winslow and Lynwood Center, which have evolved into compact, mixed-use areas. These areas are thriving centers of civic life, cultural amenities, goods, services and a wide range of housing and employment opportunities. Facilitating electrical improvements helps to link Islanders with each other and the region with a reliable, modern network which has the potential to reduce the Island's greenhouse gas emissions.

4) Cumulative Effect: All amendments must be considered concurrently in order to evaluate their cumulative effect on the comprehensive plan text and map, development regulations, capital facilities program, adopted environmental policies and other relevant implementation measures.

This Comprehensive Plan amendment is synchronous with several other comprehensive plan amendment requests including two other PSE sites, and would serve to support, with electric service similar to that provided any other business, any development resulting on properties which are the subject of amendment requests received this year, regardless of whether those requests are granted.

5) Land Use Impacts: Amendments shall not adversely affect public health, safety or welfare. An amendment must be compatible with neighboring land uses and surrounding neighborhoods, if appropriate. In addition, applications should be reviewed for their cumulative land use impacts.

The amendment has no adverse impact on public health, safety or welfare, and would serve to provide positive impacts to same, through increased reliability and redundancy in electrical facilities which also carry communication lines, for example. The property is compatible with neighboring land use and surrounds, as it is bound by SR 305, Day Road, and industrial businesses.

CITY OF BAINBRIDGE ISLAND

DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT

STAFF ANALYSIS

Date: March 30, 2023

To: City Council

From: Kelly Tayara, Senior Planner

Project: Puget Sound Energy Site-specific Rezone and Comprehensive Plan Amendment (CPA) for Murden Cove Substation (Sportsman Club Road)

File Number: PLN51703 REZ/CPA

Summary of Request

Puget Sound Energy (PSE) requests approval to change the site zoning from R-2 / Residential to Business / Industrial (B/I), which is a change to the Comprehensive Plan land use map and zoning map.

PSE requests the change from residential to B / I in order to support the long-term needs of the community. According to PSE, residential designation focuses on low-density residential development and conservation, does not reflect the historic long-term utility use of the site, and is inconsistent with its statutory duty to serve the community with essential infrastructure and electrical service, whereas a B / I designation is consistent with utility use.

The substation was established on the site in 1979 when the property was located in unincorporated Kitsap County. PSE has determined that long-term service projections (beyond ten years) indicate the potential need to expand the substation to accommodate future electrical demand from Bainbridge Island customers and ensure station reliability, and that the current Municipal Code requirements for the residential district, particularly those related to Aquifer Recharge Protection Areas, do not provide flexibility to upgrade and expand the substation in the future.

Part I: Land Use Process / Application History

Date:	Action:
November 9, 2021	Preapplication conference held
January 13, 2022	Public Participation meeting held
February 25, 2022	Application submitted
March 25, 2022	Application deemed complete
April 22, 2022	Notice of Application / SEPA Comment Period issued
August 11, 2022	Planning Commission meeting held: CPA overview
October 13, 2022	Planning Commission study session held
October 20, 2022	SEPA Threshold Determination (DNS) issued
March 23, 2023	Planning Commission public hearing held

Part II: General Information and Site Characteristics

Assessor's Record Information:	
Tax lot numbers	222502-1-024-2009
Site Address	9582 Sportsman Club Road
Owner of record	Puget Sound Energy
Site size	2.13 acres

Use:

Utility (Primary)

The Murden Cove substation is one of three electric substations on Bainbridge Island that distribute electricity to homes and businesses within the community. Two transmission lines, the Port Madison Tap and the Foss Corner-Port Madison 115 kV lines, bring power to the Island from the Kitsap Peninsula over Agate Pass to the Port Madison substation. Electricity is then transferred to the other two substations on the Island via two radial transmission lines.

Utilities produce, transmit, carry, store, distribute, or process power or information. Primary utilities include utility lines, electrical power generating or transfer facilities, radio cellular telephone and microwave towers, and utility poles. Transmission utility poles support lines which transport electrical power (55kV or higher) from generation sources to substations. Distribution utility poles support lines which transport electrical power (less than 55kV) through distribution transformers from substations to homes and businesses. Utility poles may also support communication lines.

A primary utility is a permitted use in the B/I district and a conditional use in the R-2 district. A conditional use is one that is permitted subject to compliance with a set of conditions or requirements set forth in the Municipal Code.

Zoning Designation:

R-2 (Business / Industrial requested)

Comprehensive Plan Designation:

Residential R-2 (Business / Industrial requested)

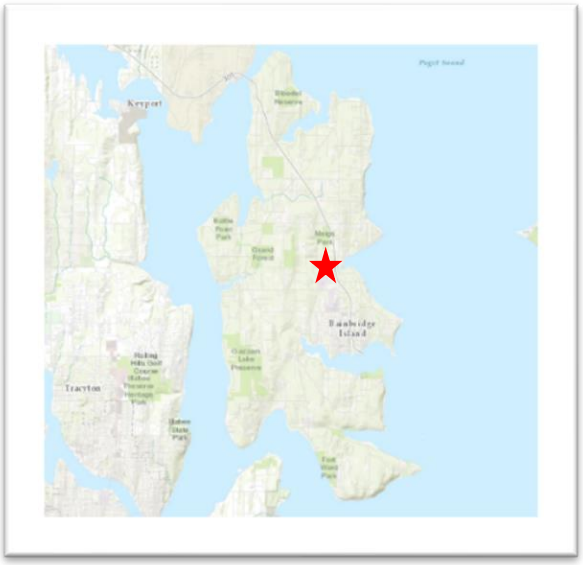
Soils:

Kapowsin gravelly loam

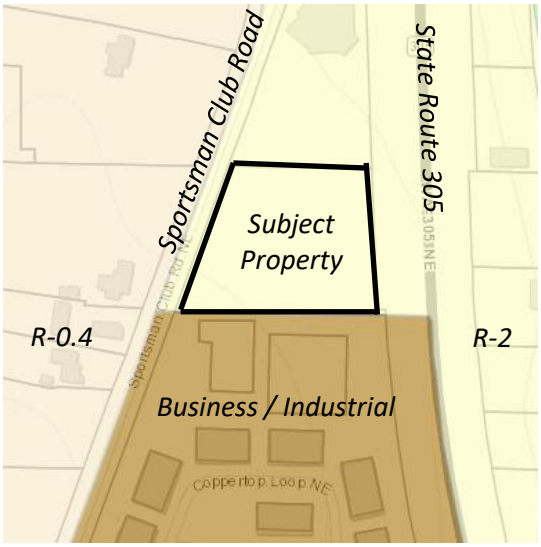
Surrounding Properties - Use, Zoning, and Comprehensive Plan Designation:

	Use (clockwise from north)	**Zoning District**	**Comprehensive Plan Designation**
North	Religious facility (church) and Park-and-Ride parking lot	R-2	Residential-2
East	SR 305 and two single-family residences across the highway	R-2	Residential-2
South	Commercial businesses that are part of the larger Coppertop Business Park.	Business / Industrial	Business / Industrial
West	Single-family residence	R-0.4	Residential-0.4

Vicinty Map



Zoning Map



Site and Surrounding Development / Aerial Image (2018)



Part III: Comprehensive Plan Guiding Principles, Goals and Policies

The Comprehensive Plan designation for the site is Residential R-2, and the applicant requests Business / Industrial designation. Comprehensive Plan goals and policies which are applicable to both districts are listed below, along with those applicable to electric utilities on the Island.

Comprehensive Plan Goals and Policies	Staff Annotation
Land Use Element	
Business / Industrial (B / I) Goal LU-10: Provide appropriate B / I zoned land to create opportunities for new businesses and expansion of existing Island businesses for diversity of jobs and for low-impact industrial activity that contributes to well-paying and new employment opportunities, where traffic congestion, visual, and other impacts on the surrounding neighborhood can be minimized.	While future redevelopment of the site may result in employment opportunities and business expansion, there are no employment opportunities directly resulting from a change in the land use designation.
Policy LU 10.1: The B / I District is for light manufacturing development as well as other uses that add to the diversity of economic activity on the Island.	Primary utility use is a permitted use in the B / I district and conditional use in all other districts.
Policy LU 10.6: Performance standards for the B / I district address odor, lighting, noise, vibration, signage, traffic volumes, ingress and egress, parking, delivery and loading areas, and pedestrian and vehicle circulation, to create safe, efficient, compatible conditions among a variety of on-site uses and to protect adjacent residential neighborhoods.	All districts include performance standards to protect adjacent residential-zone properties from non-residential use.
Policy LU 10.7: B / I uses must be visually screened year-round from adjacent non-industrial properties and roadways, especially scenic highway SR 305. The visual screening could be achieved through a combination of vegetation and building setback that would add depth to the buffer.	Both setbacks and vegetation buffers from Sportsman Club Road and SR 305 double in width from 25 to 50 feet if the property is designated B / I.
Policy LU 10.8: Discourage the inappropriate designation of isolated B / I Districts.	The property is adjacent to another property which is within the B / I district.
Policy LU 10.9: Isolated B/I activities are designated to reflect historical use and the designation shall not be expanded.	The historical use of the property is as a primary utility.

Residential District Goal LU-14: Develop context-sensitive regulations for residential development in areas designated R-2, R-1 or R-0.4, in order to limit clearing, soil disturbance, promote low impact development and reconcile development and conservation.	Residential districts are intended for residential development, agricultural and forestry use. However, with few exceptions, residential and B / I districts are similarly regulated. Notable differences are: • Standard setbacks from roads are 25 feet in width in the residential district and 50 feet in width in the B / I district. • The standard setback from the adjacent residentially zoned property to the north is five feet in width in the R-2 district and 50 feet in width in the B / I district. • The standard perimeter landscape buffer along the north side of the property is 25 feet in the R-2 district and would be 50 feet if the property is zoned B / I. • The standard roadside landscape buffer along Sportsman Club Road is 25 feet in the R-2 district and would be 50 feet if the property is zoned B / I. • Aquifer Recharge Protection Area (ARPA) designation is required in the residential district but not in the B/I district for any activity involving land use disturbance over an area 7,000 square feet in size or greater. Any activity, including clearing, is allowed in the ARPA provided that the activity maintains the pre-construction groundwater recharge volume. Landscape buffer regulations, in which trees must be retained, afford more stringent vegetation retention requirements. • Total Site Tree Unit requirements are applicable to the residential district and not applicable to the B / I district, but trees must be retained in roadside and perimeter buffers within either district.
Policy LU 14.1: The Residential District area is designated for less intensive residential development and a variety of agricultural and forestry uses.	A change to B / I designation results in less intensive residential development.

Policy LU 14.2: Encourage residential development that is compatible with the preservation of open space, forestry, agricultural activities, and natural systems. Accessory farm buildings and uses are allowable.	A change to B / I designation results in larger landscape buffer requirements. Primary utility use is otherwise incompatible with this residential policy.
Policy LU 14.3: Maintain the natural and scenic Island qualities Island by limiting residential density.	A change to B / I designation limits residential density.
Economic Element	
Diversified Economy Goal EC-1 (excerpt): By providing enterprises that both serve and employ local residents, the Island will be better able to withstand fluctuations in the larger regional economy. In addition, people who live and work in their community are available to invest time and money in their families, organizations, and community life.	PSE serves and employs local residents. While future redevelopment of the site may result in employment opportunities and business expansion, there are no employment opportunities directly resulting from a change in the land use designation.
Infrastructure Goal EC-2: Provide sufficient and resilient infrastructure that is supportive of a healthy economy and environment, particularly telecommunications and electrical reliability.	PSE requests the change to B / I because the current requirements for the residential district, particularly those related to Aquifer Recharge Protection Areas, do not provide flexibility to potentially upgrade and expand the substation in the future in order to serve the future electrical demand and ensure station reliability.
Policy EC 2.1: Identify long-term infrastructure needs that support economic sustainability and are designed to withstand future conditions.	PSE continues to engage with the community and has participated in multiple public meetings to identify long-term infrastructure needs in the past. Increased population growth upon which the Comprehensive Plan is based results in increased telecommunications and electrical infrastructure needs.
Policy EC 2.2: Support infrastructure enhancement to accommodate new information technology and changing conditions.	The rapidity of technological developments outpaces the City's ability to accommodate timely changes to the Comprehensive Plan, for which amendment requests are only accepted every three years.
Sustainability Policy EC 3.6: Policy EC 3.6 Create opportunities to foster green technology and industries, such as energy, waste and information technology, which have the potential to create local, family wage jobs in our community at the same time we are protecting our natural beauty,	The PSE Electric Reliability Projects include Island electric system improvements to address current energy solutions and future potential need. For example, the Planning Commission recently recommended electric vehicle charging infrastructure incentives and requirements.

environmental and economic health.	
Public/Private Partnerships Policy EC-7.1: Leverage technology assets, such as existing fiber connections, to support technology- based businesses and potentially to pursue new revenue streams.	Potentially, future expansion of the substation would likely result in improved electric and communication reliability for home-based businesses. There are no direct impacts resulting from a change in the land use designation.
Services Sector Policy EC 9.3: Promote an emerging professional services sector that recognizes the Island's linkage to the Seattle job market for managerial jobs and information-based industries.	Potentially, future expansion of the substation would result in improved electric and communication reliability on the Island which would support an emerging professional services sector, including those who telecommute. There are no direct impacts resulting from a change in the land use designation.
Building Design and Construction Sector Goal EC-10 (excerpt): The professions and trades involved in design, construction, furnishing, renovation and marketing of commercial and residential real estate constitute a large and very important sector of the Island's economy. Productivity and profits within that sector are crucial factors in the stability and well-being of the entire community.	Site redevelopment such as a potential future expansion of the substation that would result in improved electric and communication reliability would support design, construction, furnishing, renovation and real estate professions and trades. There are no direct impacts resulting from a change in the land use designation.
Home-based Businesses Goal EC-13: Foster home-based businesses as a key to a present and future vital economy. Nearly half of all businesses licensed on Bainbridge Island are reported as homebased. Bainbridge Island allows home-based businesses in all zones, and 16.3% of the Island workforce works from home.	Site redevelopment such as a potential future expansion of the substation that would result in improved electric and communication reliability would support home-based businesses. There are no direct impacts resulting from a change in the land use designation.
Business / Industrial Goal EC-15: The B / I land use designation should provide space for job creating enterprises. Island based businesses provide the possibility of living and working in the community. It is the purpose of the B / I land use designations to provide opportunities for light industrial and other non-retail activities. The City should be prepared to respond to a changing marketplace and the business opportunities perceived by its citizens, when those opportunities require pre- existing infrastructure and well-designed accommodations in order to flourish.	Future redevelopment of the site would result in increased opportunities for Island-based businesses to thrive and increased opportunities to live and work in the community. A change to B / I designation is consistent with primary utility use as a non-retail activity.
Policy EC 15.1: Promote manufacturing and business / industrial employment as an important source of family wage jobs on Bainbridge Island.	Primary utility use is permitted in the B / I district and a conditional use in residential districts which results in a more cumbersome land use process.

Policy EC 15.2: New B / I land use designations will be considered based on the following: • Proximity to existing B / I • Adjacency to non-residential land uses • Reasonable proximity to SR 305 • The total amount of and expected need for B/I-zoned land • Compliance with all policies in the Land Use Element • Availability of public sewer and water, or whether permitted uses might safely use wells and septic systems or other alternative systems that are approved by the Kitsap Public Health District • Consideration of pollution and aquifer recharge concerns • Minimal impact to residential land uses, neighborhoods and open space/conservancy and agriculture areas.	The property is adjacent to B / I property to the south, a property to the north which contains non-residential development, and is bound to the east by SR 305. A change to B / I designation would increase the total amount of land within B / I – zoned lands. A change to B / I designation is consistent with land use policies for the B / I district. Use as a primary utility is not reliant on water or sewer / septic services. Electric utility facilities generally are not a use identified as having the potential to contaminate drinking water. All districts include performance standards to protect from non-residential use.
Transportation Element	
Ferry Service Goal TR-3: Coordinate with Washington State Ferries (WSF) and other ferry service providers to ensure that ferries meet local service and commuter needs, are integrated with all travel modes and provide equitable regional service.	Future plans for the City, including electric vehicle charging infrastructure, and plans for electrification of the Washington Ferry System require reliable electrical service and capacity on the Island. There are no direct impacts resulting from a change in the land use designation.
Policy TR 3.1: Advocate for ferry services to and from Bainbridge Island in order to optimize the use of each ferry service, balance peak hour travel times and provide ferry capacity in proximity to users' origin and destination.	Plans for electrification of the Washington Ferry System require reliable electrical service and capacity on the Island. There are no direct impacts resulting from a change in the land use designation.
Transportation Demand Management Goal 5: Encourage greater efficiency of the integrated multimodal transportation system that provides a range of transportation alternatives and increases the through movement of people.	Integrating electric transportation alternatives requires reliable electrical service and capacity. There are no direct impacts resulting from a change in the land use designation.
Policy TR 5.3: Encourage schools, the private sector and the public sector to adopt programs that reduce SOV use including telecommuting, promotion of ridesharing, walking, biking and reliance on buses.	A potential future expansion of the substation would likely result in improved electric and communication reliability on the Island which would support programs to reduce single-occupancy vehicle use, including telecommuting, electric bicycles, buses and ferries. There are no direct impacts resulting from a change in the land use designation.

Utilities Element	
Goal U-1: Ensure that reliable utility services are available to all Bainbridge Island residents.	The PSE request is based on the premise that, in order to serve the future electrical demand and ensure station reliability, the change in land use designation is needed.
Goal U-2: Ensure that the utility services are comparable in terms of cost, quality, and technology to services available in similar jurisdictions in the Puget Sound region.	A comparison of utility services in similar jurisdictions was not evaluated as part of the request to change the Comprehensive Plan designation of the property.
Goal U-3: Ensure that utility services are adequate to meet current demands, and that utility providers plan for future demands.	The PSE request is based on the premise that, in order to serve the future electrical demand and ensure station reliability, the change in land use designation is needed.
Goal U-4: Ensure that the provision of utility services is environmentally responsible and sustainable, and encourage utility services that are carbon neutral and do not contribute to climate change.	PSE aspires to a goal to achieve Beyond Net Zero Carbon by 2045.
Goal U-5: Ensure that new or major renovations to existing utility facilities are designed to minimize adverse impacts on residents and the environment.	Regardless of the Comprehensive Plan designation, standards in the Municipal Code provide for protections to residents and the environment.
Goal U-8: Cooperate with other jurisdictions and utility providers in planning and implementing utility facility additions, improvements, maintenance, and emergency response, so that such activities are coordinated for maximum efficiency and public benefit.	PSE is a utility provider requesting to change the property to B / I in order to facilitate potential facility improvements.
Electrical Element Introduction: The City is currently served by Puget Sound Energy (PSE), which provides electricity generation sources, transmission, distribution and maintenance of electrical facilities throughout the Island. PSE is regulated by the Washington Utilities and Transportation Commission (WUTC). It is the commission's responsibility to ensure regulated companies provide safe and reliable service to customers at reasonable rates, while allowing them the opportunity to earn a fair profit.	
Electrical Goal U-14: Ensure adequate, cost effective, reliable, and environmentally responsible electric service to the citizens of Bainbridge Island.	The PSE request is based on the premise that, in order to serve the future electrical demand and ensure station reliability, the change in land use designation is needed.

Policy U 14.1: Develop a plan together with the electric service provider to undertake energy efficiency improvements and other alterations of electric utility facilities to provide capacity for future growth.	PSE continues to engage with Islanders as part of its Electric Reliability Projects which include Bainbridge Island electric system improvements to address current problems along with future needs.
Policy U 14.2: Encourage the conservation of electrical energy, especially during periods of peak usage, and encourage energy saving building code strategies, local renewable energy, and other cost effective approaches to meeting the island's energy needs, including distributed energy systems.	An evaluation of cost-effective approaches to electrical energy conservation, usage during peak periods, building codes, and renewable energy resources was not conducted as part of the request to change the Comprehensive Plan designation of the property.
Policy U 14.3: Encourage the electric service provider to improve reliability, with particular attention to adding transmission redundancy and mitigating impacts on service from storms or other natural events.	The PSE request is based on the premise that, in order to improve reliability and increase transmission redundancy, the change in land use designation is needed.
Policy U 14.4: Encourage undergrounding new and existing electric transmission and distribution power lines, and develop a long-term strategy for future undergrounding, to include maximizing opportunities with new construction, and prioritizing the work that affects the greatest number of households and businesses.	An evaluation of undergrounding utilities was not conducted as part of the request to change the Comprehensive Plan designation of the property.
Policy U 14.5: Encourage the electric service provider and electricity users to use carbon neutral electricity generation, local electricity generation, and innovative technologies such as solar power that are reliable, cost effective, preserve resources, provide minimal environmental impact, and do not contribute to global warming.	PSE aspires to a goal to achieve Beyond Net Zero Carbon by 2045.

Part IV BIMC Title 18 Zoning

A. BIMC 18.09.020 Permitted Uses

Primary utilities are a subset of Utility and Telecommunications use and a permitted use in the Business / Industrial (B/I) district. Site Plan and Design Review permit is applicable for new construction of nonresidential buildings or structures.

Primary utilities require a conditional use permit (CUP) in the R-0.4 district, provided: Replacement, maintenance or upgrade of existing poles and equipment within a utility corridor or right-of-way is a permitted use. A conditional use is one that is permitted subject to compliance with a set of conditions or requirements set forth in the Municipal Code.

B. Comparison of Dimensional and Development Standards for Primary Utilities (where different)

Municipal Code Section	Standard	R-2 District	B / I District	Evaluation Summary
Tables of Dimensional Standards BIMC 18.12.020	Lot Area	40,000 sq.ft.	20,000 sq.ft.	The lot conforms to either standard.
	Lot Dimensions	110 ft width & 110 ft depth	N/A	The lot conforms to either standard.
	Lot Coverage	20 % maximum	35 % maximum	Existing development conforms to either standard.
	Setback - Front Lot Line	25 feet	50 feet along public right-of-way	Existing utility structures are permitted in setbacks. Existing development conforms to either standard, as provided in BIMC Table 18.12.040.
	Setback - Side Lot Line	5 feet	10 ft; 50 ft abutting residentially -zoned lots	Existing development conforms to either standard.
	Building Height	30 feet base; Bonus height to 35 feet with CUP	35 feet base; Bonus height to 45 feet with CUP	Alternative height limits may apply for nonresidential uses if additional conditional use provisions are met. Existing development is not evaluated for this standard.
	Structure Height			An exemption from structure height limits can be approved through a minor conditional use if: View opportunities are not substantially reduced; No structure is located in any required setback except as otherwise allowed in setbacks; Each setback requirement shall be increased one-half foot for every foot above the maximum structure height. Existing development is not evaluated for this standard.
	Structures (New) except buildings and distribution poles	30 feet base; Bonus height to 35 feet with CUP	35 feet base; 45 feet with CUP	
	Transmission Pole (New)	30 feet base; Bonus height to 35 feet with CUP	35 feet base; 45 feet with CUP	
Landscaping, Screening, and Tree Retention, Protection and	Perimeter Landscape Buffer	25 ft from residential districts / 20 ft from non-industrial use	50 ft from non- B/I	Existing development is nonconforming to either standard.

Replacement BIMC 18.15.010	Roadside Landscape Buffer	50 ft from SR 305 / 25 ft from other rights-of-way	50 ft from rights-of-way	Existing development is nonconforming to either standard.
	Total Site Tree Unit Requirements	40 tree units per acre or the same pre/post development	N/A	This standard is only evaluated upon development or redevelopment. The existing number of tree units is not known.

Part V Public Comment

Six public comments were received, one opposed to the proposal and the remaining in support.

A commenter opposed to the proposal states that hundreds and possibly thousands of trees will be removed along the proposed transmission line route, making the trees behind those removed more vulnerable to blow down, and that this is avoidable because Tesla batteries can serve the same purpose as a redundant line whose only purpose is providing backup for the Winslow and Murden Cove substations.

Comments in support of the proposal are summarized as follows:

Reliability on the Island needs to be improved and Puget Sound Energy (PSE) Beyond Net Zero goals depend on a reliable grid. PSE is not meeting many of its service reliability metrics, and as a city we are not presently poised to meet current or future electric needs.

PSE must periodically upgrade substations to provide reliable and safe power to customers long-term. The electric infrastructure on the Island is decades old, and Islanders currently experience reliability challenges, especially for the south end of the Island, and present special accessibility challenges to the elderly. The substations support the transmission and distribution lines that bring power to homes and businesses, including those who telecommute. Improved reliability and capacity on the Island will improve overall quality of life on the Island.

PSE has been both transparent and thorough in its public engagement for its Electric Reliability Projects (which include Bainbridge Island electric system improvements). PSE has done its due diligence in finding appropriate solutions to our current energy problems while planning to remain flexible in order to address future needs. Reliability and capacity issues include the planned future electrification of ferries and other transportation on the Island.

Granting this application would allow PSE to move forward more quickly with long-overdue electric improvements. A larger setback would be required for a Business / Industrial designation that would afford even greater protections to area residents. Approval of the change from a residential to Business / Industrial property is consistent with the goals and policies of the Comprehensive Plan, specifically Utilities / Electrical and Business / Industrial, and aligns the zoning with the long-term use of the property and zoning of neighboring business properties.

Rezoning this property helps to limit the need to site utilities on new parcels and make the best use of the existing site. Relocating the substation from its current location to larger sites to support the needed infrastructure to supply power to the community and would also result in the need to relocate the infrastructure supported by the existing substations, including distribution and transmission lines. Searching for alternative sites would only create more delays in implementing PSE Beyond Net Zero goals which depend on a reliable grid.

Part VI Staff Analysis and Recommendation

The Comprehensive Plan states that residential districts are intended for residential development and a variety of agricultural and forestry uses, and development should be compatible with open space and agricultural activities. The Comprehensive Plan states that the purpose of the B / I designation is to provide opportunities for light industrial and other non-retail activities.

The Municipal Code states that the purpose of the R-2 district is to provide residential neighborhoods in an environment with special Island character consistent with other land consistent with other land uses, such as agriculture and forestry, and the preservation of natural systems and open space, at a somewhat higher density than the R-1 district. The Code states that the purpose of the B / I district is to facilitate development of a diverse economy on the island with business retention, growth, and innovation, and that the district is intended to provide opportunities for knowledge-based businesses and expansion of Island businesses, for diversity of jobs, and for low-impact industrial activity that is compatible with adjoining residential neighborhoods.

The Comprehensive Plan goals and policies applicable to the B / I designation are more closely aligned to utility use than those of the residential designation. Taking into consideration provisions for existing development which is nonconforming to current standards that apply regardless of the district, the notable differences are:

1) Aquifer Recharge Protection Area (ARPA) designation is required in the currently zoned residential district but not in the B/I district. Specific to this site, ARPA regulations mandate that any activity involving land use disturbance over an area 7,000 square feet in size or greater require that the areas of existing native vegetation, which cover no more than 68,000 square feet or 73 percent of the site, would be designated. Any activity is allowed in the ARPA provided that the activity maintains 100 percent of the annual average pre-construction groundwater recharge volume for the site; this determination requires a hydrological assessment. The soil type on the site is moderately drained above hardpan with a very slow drain rate through the hardpan layer, which typically occurs from 20 to 32 inches below the ground surface, resulting in areas that do not generally support significant recharge capacity without modifications.
2) A substation is an electric utility, more specifically defined as a Primary Utility in the Municipal Code. Primary utilities are a permitted use in the B/I district and a conditional use in all other districts.
3) The front lot line setback from both Sportsman Club Road and SR 305 is 25 feet in the R-2 district and 50 feet in the B / I district.
4) The side setback on the north side of the property is five feet in the R-2 district and 50 feet in the B / I district.
5) The standard perimeter landscape buffer along the north side of the property is 25 feet in the R-2 district and would be 50 feet if the property is zoned B / I.
6) The standard roadside landscape buffer along Sportsman Club Road is 25 feet in the R-2 district and would be 50 feet if the property is zoned B / I.
7) Total Site Tree Unit requirements are applicable to the residential district and not applicable to the B / I district.

The staff recommendation to approve the change from residential to B / I designation is largely based on consistency with the goals and policies of the Comprehensive Plan, wherein utility use is consistent with the Business / Industrial designation and inconsistent with residential designation. Additionally, increased landscape buffer widths, which double from 25 to 50 feet, afford greater vegetation protection than ARPA designation because tree within landscape buffers must be retained and trees within the ARPA are allowed to be removed, provided that 100 percent of the annual average pre-construction groundwater recharge volume is maintained.

Part VII Land Use Review Procedures:

A. Review and Recommendation by Planning Commission

Subsequent to completion of the analysis and SEPA review prepared by staff, the Planning Commission shall conduct one or more public hearings as defined in BIMC 2.14.020.G. Planning Commission Recommendation on Comprehensive Plan Amendments

The Planning Commission shall base its recommendation on whether the application meets the required decision criteria and consider public input, conclusions from any required studies, the staff recommendation, and findings from the SEPA analysis.

The Planning Commission conducted a public hearing in accordance with the Municipal Code and recommends approval of the application.

B. City Council Review and Decision.

The City Council considers whether the application meets the required decision criteria, and considers the staff recommendation and the Planning Commission recommendation within the context of its budget discussions, and may act on the amendment proposals prior to or at the same time as it adopts the City budget. The Council may decide to approve, deny, or approve with modification the proposed amendment. The Council shall base its decision on consideration of the record and the required decision criteria and shall cite these in its findings and conclusions.

C. BIMC 2.16.140.H Site-specific Rezones Decision Criteria

The following criteria shall be considered in any review for a site-specific rezone in order to establish a recommendation to approve, disapprove or approve with conditions:

1) The site-specific rezone will not be materially detrimental to the public welfare or injurious to the property or improvements in the immediate vicinity and zone in which the property is located.

The rezone is not materially detrimental to public welfare or injurious to property or improvements in the vicinity. The property is bound by SR305 to the east and Sportsman Club Road to the west. The property to the north contains a religious facility and park-and-ride lot, and the property to the south is zoned B / I and contains a storage facility and other permitted uses in the district. The vegetation buffers from residentially zoned properties would increase from 25 to 50 feet in width.

2) The site-specific rezone is warranted because of changed circumstances and the proposed designation is appropriate for reasonable development of the subject property, or because of a need for additional property in the proposed zone, and the proposed designation is appropriate for reasonable development of the subject property.

The rezone recognizes the historic use of the property as a utility, which is a permitted use in the B / I district. The rezone is consistent with the development standards for the B / I district, and is appropriate for reasonable development of the property.

3) The subject property is suitable for development in general conformance with zoning standards under the proposed zoning designation.

The property conforms to all B / I district zoning standards.

4) The property will be served by adequate public facilities including roads, water, fire protection, sewage disposal facilities and storm drainage facilities for the intensity to which it is being rezoned.

The property is served by public right-of-way and fire / life / safety protection afforded to properties in the vicinity. Use as a primary utility does not rely on sewage facilities. Storm drainage facilities are evaluated when a specific development is proposed.

5) The site-specific rezone is in accord with the Comprehensive Plan.

The rezone is consistent with the goals and policies of the Comprehensive Plan. Utility use is consistent with the Business / Industrial designation and inconsistent with residential designation. Comprehensive Plan goals include ensuring that utility services are adequate to meet current demands, and that utility providers plan for future demands.

6) The site-specific rezone complies with all other applicable criteria and standards of the City.

The rezone complies with applicable criteria and standards. All future development must comply with applicable Municipal Code regulations.

7) The site-specific rezone would not devalue surrounding or nearby property.

Utility use was established on the property over 40 years ago. The rezone recognizes historical use of the property, and would not devalue surrounding or nearby properties.

8) The site-specific rezone will not result in an adverse environmental consequence.

The rezone results in no adverse environmental impact. All future development must comply with applicable environmental regulations.

D. BIMC 2.16.190.H Legislative Comprehensive Plan Amendments Decision Criteria

The Planning Commission and City Council shall base their respective recommendation or decision on a proposed comprehensive plan amendment on the following criteria:

1) Compliance with Law: Amendments to the Comprehensive Plan shall comply with the Growth Management Act and other state and federal laws.

The amendment in the Comprehensive Plan designation complies with the Growth Management Act and other state and federal laws. In order to be compliant with the Growth Management Act, an amendment to the Comprehensive Plan must be accompanied by a change in the zoning designation.

2) Resources:

a. The City must have the resources, including staff and budget, necessary to implement the proposal.

b. The amendment will not result in development that has significant adverse effects on community resources, including but not limited to: Water resources, utilities, transportation, parks or schools.

c. The amendment must not adversely affect the City's ability to provide the full range of public facilities and services at the planned level of service, or consume public resources otherwise needed to support Comprehensive Plan implementation strategies.

This amendment request for a change to the Land Use Map of the Comprehensive Plan can be updated by staff without undue adverse impact to resources at this time.

3) Internal Consistency: Amendments shall be consistent with the land uses and growth projections that are the basis of the comprehensive plan and with the overall intent of the Comprehensive Plan, including the community vision, overriding principles, and overall goals that guide the plan.

This amendment is consistent with the overall community vision as adopted in the City's Comprehensive Plan because it addresses electric reliability and capacity needs on the Island. Increased capacity and reliability serve residents and neighborhood centers, such as Winslow and Lynwood Center, which have evolved into compact, mixed-use areas. These areas are thriving centers of civic life, cultural amenities, goods, services and a wide range of housing and employment opportunities. Facilitating electrical improvements helps to link Islanders with each other and the region with a reliable, modern network that has the potential to reduce the Island's greenhouse gas emissions.

4) Cumulative Effect: All amendments must be considered concurrently in order to evaluate their cumulative effect on the comprehensive plan text and map, development regulations, capital facilities program, adopted environmental policies and other relevant implementation measures.

This Comprehensive Plan amendment is synchronous with several other comprehensive plan amendment requests including two other PSE sites, and would serve to support, with electric service similar to that provided any other business, any development resulting on properties which are the subject of amendment requests received this year, regardless of whether those requests are granted.

5) Land Use Impacts: Amendments shall not adversely affect public health, safety or welfare. An amendment must be compatible with neighboring land uses and surrounding neighborhoods, if appropriate. In addition, applications should be reviewed for their cumulative land use impacts.

The amendment has no adverse impact on public health, safety or welfare, and would serve to provide positive impacts to same, through increased reliability and redundancy in electrical facilities which also carry communication lines, for example. The property is compatible with neighboring land use and surrounds, as it is bound by SR 305, Sportsman Club Road, and non-residential and industrial businesses.

CITY OF BAINBRIDGE ISLAND

DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT

STAFF ANALYSIS

Date: March 30, 2023

To: City Council

From: Kelly Tayara, Senior Planner

Project: Puget Sound Energy Site-specific Rezone and Comprehensive Plan Amendment (CPA) for the Winslow Substation (Bucklin Hill Road)

File Number: PLN52149 REZ/CPA

Summary of Request

Puget Sound Energy (PSE) requests approval to change the site zoning from R-0.4 / Residential to Business / Industrial (B/I), which is a change to the Comprehensive Plan land use map and zoning map.

PSE requests the change from residential to B / I to support the long-term needs of the community. According to PSE, residential designation focuses on low-density residential development and conservation, does not reflect the historic long-term utility use of the site, and is inconsistent with its statutory duty to serve the community with essential infrastructure and electrical service, whereas a B / I designation is consistent with utility use.

The substation was established on the site in the early 1960s when the property was in unincorporated Kitsap County. PSE has determined that long-term service projections (beyond ten years) indicate the potential need to expand the substation to accommodate future electrical demand from Bainbridge Island customers and ensure station reliability, and that the current Municipal Code requirements for the residential district, particularly those related to Aquifer Recharge Protection Areas, do not provide flexibility to upgrade and expand the substation in the future.

Part I: Land Use Process / Application History

Date:	Action:
November 9, 2021	Preapplication conference held
January 13, 2022	Public Participation meeting held
February 25, 2022	Application submitted
March 25, 2022	Application deemed complete
April 22, 2022	Notice of Application / SEPA Comment Period issued
August 11, 2022	Planning Commission meeting held: CPA overview
October 13, 2022	Planning Commission study session held
October 20, 2022	SEPA Threshold Determination (DNS) issued
November 2, 2022	SEPA Threshold Determination appealed
February 13, 2023	Settlement agreement resolving the claims of the petitioner executed

March 1, 2023	SEPA appeal dismissed by the Hearing Examiner
March 23, 2023	Planning Commission public hearing held

Part II: General Information and Site Characteristics

Assessor's Record Information:	
Tax lot numbers	4178-000-028-0204
Site Address	No site address: North side of Bucklin Hill Road 200 feet east of Fletcher Bay Road
Owner of record	Puget Sound Energy
Site size	2.01 acres

Use:

Utility (Primary)

The Winslow substation is one of three electric substations on Bainbridge Island that distribute electricity to homes and businesses within the community. Two transmission lines, the Port Madison Tap and the Foss Corner-Port Madison 115 kV lines, bring power to the Island from the Kitsap Peninsula over Agate Pass to the Port Madison substation. Electricity is then transferred to the other two substations on the Island via two radial transmission lines.

Utilities produce, transmit, carry, store, distribute, or process power or information. Primary utilities include utility lines, electrical power generating or transfer facilities, radio cellular telephone and microwave towers, and utility poles. Transmission utility poles support lines which transport electrical power (55kV or higher) from generation sources to substations. Distribution utility poles support lines which transport electrical power (less than 55kV) through distribution transformers from substations to homes and businesses. Utility poles may also support communication lines.

A primary utility is a permitted use in the B/I district and a conditional use in the R-0.4 district. A conditional use is one that is permitted subject to compliance with a set of conditions or requirements set forth in the Municipal Code.

Zoning Designation:

R-0.4 (Business / Industrial requested)

Comprehensive Plan Designation:

Residential R-0.4 (Business / Industrial requested)

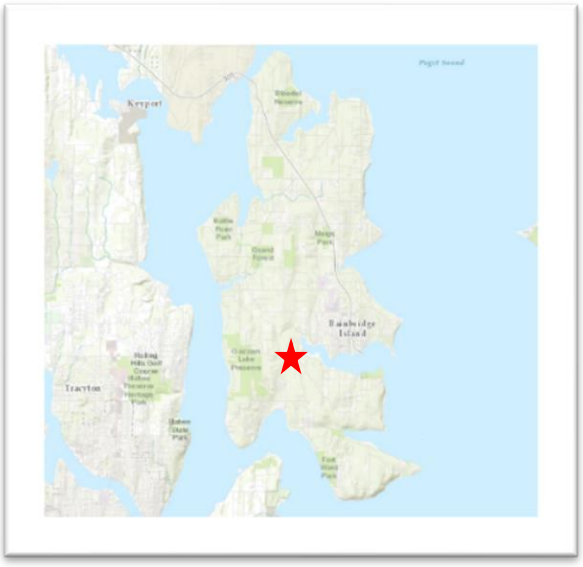
Soils:

Ragnar fine sandy loam

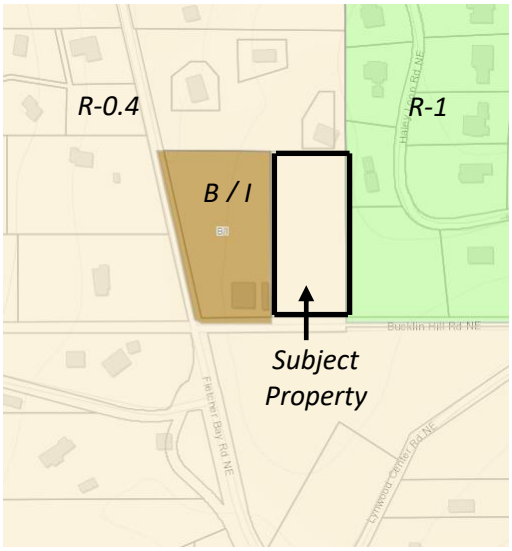
Surrounding Properties - Use, Zoning, and Comprehensive Plan Designation:

	Use (clockwise from north)	**Zoning District**	**Comprehensive Plan Designation**
North	Open space surrounding three single-family homes	R-0.4	Residential-0.4
East	Single-family home and the Stetson Ridge subdivision stormwater retention facility	R-1	Residential-1
South	Sand and gravel mining facility	R-0.4	Residential-0.4
West	Storage and warehouse / commercial shop facility with a residence	Business / Industrial	Business / Industrial

Vicinity Map



Zoning Map



Site and Surrounding Development / Aerial Image (2018)



Part III: Comprehensive Plan Guiding Principles, Goals and Policies

The Comprehensive Plan designation for the site is Residential R-0.4, and the applicant requests Business / Industrial designation. Comprehensive Plan goals and policies which are applicable to both districts are listed below, along with those applicable to electric utilities on the Island.

Comprehensive Plan Goals and Policies	Staff Annotation
Land Use Element	
Business / Industrial (B / I) Goal LU-10: Provide appropriate B / I zoned land to create opportunities for new businesses and expansion of existing Island businesses for diversity of jobs and for low-impact industrial activity that contributes to well-paying and new employment opportunities, where traffic congestion, visual, and other impacts on the surrounding neighborhood can be minimized.	While future redevelopment of the site may result in employment opportunities and business expansion, there are no employment opportunities directly resulting from a change in the land use designation.
Policy LU 10.1: The B / I District is for light manufacturing development as well as other uses that add to the diversity of economic activity on the Island.	Primary utility use is a permitted use in the B / I district and conditional use in all other districts.
Policy LU 10.6: Performance standards for the B / I district address odor, lighting, noise, vibration, signage, traffic volumes, ingress and egress, parking, delivery and loading areas, and pedestrian and vehicle circulation, to create safe, efficient, compatible conditions among a variety of on-site uses and to protect adjacent residential neighborhoods.	All districts include performance standards to protect adjacent residential-zone properties from non-residential use.
Policy LU 10.7: B / I uses must be visually screened year-round from adjacent non-industrial properties and roadways, especially scenic highway SR 305. The visual screening could be achieved through a combination of vegetation and building setback that would add depth to the buffer.	Both setbacks and vegetation buffers from Bucklin Hill Road and adjacent residentially zoned properties double in width from 25 to 50 feet, if the property is designated B / I.
Policy LU 10.8: Discourage the inappropriate designation of isolated B / I Districts.	The property is adjacent to another property which is within the B / I district.
Policy LU 10.9: Isolated B/I activities are designated to reflect historical use and the designation shall not be expanded.	The historical use of the property is as a primary utility.
Residential District Goal LU-14: Develop context-sensitive regulations for residential development in areas designated R-2, R-1 or R-0.4, in order to limit clearing, soil disturbance, promote low impact development and reconcile development and conservation.	Residential districts are intended for residential development, agricultural and forestry use. However, with few exceptions, residential and B / I districts are similarly regulated. Notable differences are:

	• The setbacks from the road and residential properties to the north and east are 25 feet in width in the residential district and 50 feet in width in the B / I district. • The standard roadside landscape buffer width is 25 feet in the residential district and 50 feet in the B / I district. • The standard perimeter landscape buffer width from residential properties to the north and east is 25 feet in the R-0.4 district and 50 feet in the B / I district. • Total Site Tree Unit requirements are applicable to the residential district and not applicable to the B / I district, but trees must be retained in perimeter and roadside buffers within either district. • Aquifer Recharge Protection Area (ARPA) designation is required in the residential district but not in the B/I district for any activity involving land use disturbance over an area 7,000 square feet in size or greater. Any activity, including clearing, is allowed in the ARPA provided that the activity maintains the pre-construction groundwater recharge volume. Landscape buffer regulations, in which trees must be retained, afford more stringent vegetation retention requirements.
Policy LU 14.1: The Residential District area is designated for less intensive residential development and a variety of agricultural and forestry uses.	A change to B / I designation results in less intensive residential development.
Policy LU 14.2: Encourage residential development that is compatible with the preservation of open space, forestry, agricultural activities, and natural systems. Accessory farm buildings and uses are allowable.	A change to B / I designation results in larger landscape buffer requirements. Primary utility use is otherwise incompatible with this residential policy.
Policy LU 14.3: Maintain the natural and scenic qualities of the Island by limiting residential density.	A change to B / I designation limits residential density.

Economic Element	
Diversified Economy Goal EC-1 (excerpt): By providing enterprises that both serve and employ local residents, the Island will be better able to withstand fluctuations in the larger regional economy. In addition, people who live and work in their community are available to invest time and money in their families, organizations, and community life.	PSE serves and employs local residents. While future redevelopment of the site may result in employment opportunities and business expansion, there are no employment opportunities directly resulting from a change in the land use designation.
Infrastructure Goal EC-2: Provide sufficient and resilient infrastructure that is supportive of a healthy economy and environment, particularly telecommunications and electrical reliability.	PSE requests the change to B / I because the current requirements for the residential district, particularly those related to Aquifer Recharge Protection Areas, do not provide flexibility to potentially upgrade and expand the substation in the future in order to serve the future electrical demand and ensure station reliability.
Policy EC 2.1: Identify long-term infrastructure needs that support economic sustainability and are designed to withstand future conditions.	PSE continues to engage with the community and has participated in multiple public meetings to identify long-term infrastructure needs in the past. Increased population growth upon which the Comprehensive Plan is based results in increased telecommunications and electrical infrastructure needs.
Policy EC 2.2: Support infrastructure enhancement to accommodate new information technology and changing conditions.	The rapidity of technological developments outpaces the City's ability to accommodate timely changes to the Comprehensive Plan, for which amendment requests are only accepted every three years.
Sustainability Policy EC 3.6: Policy EC 3.6 Create opportunities to foster green technology and industries, such as energy, waste and information technology, which have the potential to create local, family wage jobs in our community at the same time we are protecting our natural beauty, environmental and economic health.	The PSE Electric Reliability Projects include electric system improvements to address current energy solutions and future potential need. For example, the Planning Commission recently recommended electric vehicle charging infrastructure incentives and requirements.
Public/Private Partnerships Policy EC-7.1: Leverage technology assets, such as existing fiber connections, to support technology- based businesses and potentially to pursue new revenue streams.	While future expansion of the substation would likely result in improved reliability for home-based businesses, there are no direct impacts resulting from a change in the land use designation.

Services Sector Policy EC 9.3: Promote an emerging professional services sector that recognizes the Island's linkage to the Seattle job market for managerial jobs and information-based industries.	Potential future expansion of the substation would result in improved electric and communication reliability on the Island which would support an emerging professional services sector, including those who telecommute. There are no direct impacts resulting from a change in the land use designation.
Building Design and Construction Sector Goal EC-10 (excerpt): The professions and trades involved in design, construction, furnishing, renovation and marketing of commercial and residential real estate constitute a large and very important sector of the Island's economy. Productivity and profits within that sector are crucial factors in the stability and well-being of the entire community.	Site redevelopment such as a potential future expansion of the substation that would result in improved electric and communication reliability would support design, construction, furnishing, renovation and real estate professions and trades. There are no direct impacts resulting from a change in the land use designation.
Home-based Businesses Goal EC-13: Foster home-based businesses as a key to a present and future vital economy. Nearly half of all businesses licensed on Bainbridge Island are reported as homebased. Bainbridge Island allows home-based businesses in all zones, and 16.3% of the Island workforce works from home.	Potential future expansion of the substation that would result in improved electric and communication reliability would support home-based businesses. There are no direct impacts resulting from a change in the land use designation.
Business / Industrial Goal EC-15: The B / I land use designation should provide space for job creating enterprises. Island based businesses provide the possibility of living and working in the community. It is the purpose of the B / I land use designations to provide opportunities for light industrial and other non-retail activities. The City should be prepared to respond to a changing marketplace and the business opportunities perceived by its citizens, when those opportunities require pre- existing infrastructure and well-designed accommodations in order to flourish.	Future redevelopment of the site would result in increased opportunities for Island-based businesses to thrive and increased opportunities to live and work in the community. A change to B / I designation is consistent with primary utility use as a non-retail activity.
Policy EC 15.1: Promote manufacturing and business / industrial employment as an important source of family wage jobs on Bainbridge Island.	Primary utility use is permitted in the B / I district and a conditional use in the residential districts which results in a more cumbersome land use process.
Policy EC 15.2: New B / I land use designations will be considered based on the following: • Proximity to existing B / I • Adjacency to non-residential land uses • Reasonable proximity to SR 305	The property is adjacent to an existing B / I property to the west and a property to the south which contains non-residential development. The property is approximately 2.5 miles from SR 305 (via roadway).

• The total amount of and expected need for B/I-zoned land	A change to B / I designation would increase the total amount of land within B / I – zoned lands.
• Compliance with all policies in the Land Use Element	A change to B / I designation is consistent with land use policies for the B / I district.
• Availability of public sewer and water, or whether permitted uses might safely use wells and septic systems or other alternative systems that are approved by the Kitsap Public Health District	Use as a primary utility is not reliant on water or sewer / septic services.
• Consideration of pollution and aquifer recharge concerns	Electric utility facilities generally are not a use identified as having the potential to contaminate drinking water.
• Minimal impact to residential land uses, neighborhoods and open space/conservancy and agriculture areas.	All districts include performance standards to protect residential use.
Transportation Element	
Ferry Service Goal TR-3: Coordinate with Washington State Ferries (WSF) and other ferry service providers to ensure that ferries meet local service and commuter needs, are integrated with all travel modes and provide equitable regional service.	Future plans for the City, including electric vehicle charging infrastructure, and plans for electrification of the Washington Ferry System require reliable electrical service and capacity on the Island. There are no direct impacts resulting from a change in the land use designation.
Policy TR 3.1: Advocate for ferry services to and from Bainbridge Island in order to optimize the use of each ferry service, balance peak hour travel times and provide ferry capacity in proximity to users' origin and destination.	Plans for electrification of the Washington Ferry System require reliable electrical service and capacity on the Island. There are no direct impacts resulting from a change in the land use designation.
Transportation Demand Management Goal 5: Encourage greater efficiency of the integrated multimodal transportation system that provides a range of transportation alternatives and increases the through movement of people.	Integrating electric transportation alternatives requires reliable electrical service and capacity. There are no direct impacts resulting from a change in the land use designation.
Policy TR 5.3: Encourage schools, the private sector and the public sector to adopt programs that reduce SOV use including telecommuting, promotion of ridesharing, walking, biking and reliance on buses.	A potential future expansion of the substation would likely result in improved electric and communication reliability on the Island which would support programs to reduce single-occupancy vehicle use, including telecommuting, electric bicycles, and electric or hybrid buses and ferries. There are no direct impacts resulting from a change in the land use designation.

Utilities Element	
Goal U-1: Ensure that reliable utility services are available to all Bainbridge Island residents.	The PSE request is based on the premise that, in order to serve the future electrical demand and ensure station reliability, the change in land use designation is needed.
Goal U-2: Ensure that the utility services are comparable in terms of cost, quality, and technology to services available in similar jurisdictions in the Puget Sound region.	A comparison of utility services in similar jurisdictions was not evaluated as part of the request to change the Comprehensive Plan designation of the property.
Goal U-3: Ensure that utility services are adequate to meet current demands, and that utility providers plan for future demands.	The PSE request is based on the premise that, in order to serve the future electrical demand and ensure station reliability, the change in land use designation is needed.
Goal U-4: Ensure that the provision of utility services is environmentally responsible and sustainable, and encourage utility services that are carbon neutral and do not contribute to climate change.	PSE aspires to a goal to achieve Beyond Net Zero Carbon by 2045.
Goal U-5: Ensure that new or major renovations to existing utility facilities are designed to minimize adverse impacts on residents and the environment.	Regardless of the Comprehensive Plan designation, standards in the Municipal Code provide for protections to residents and the environment.
Goal U-8: Cooperate with other jurisdictions and utility providers in planning and implementing utility facility additions, improvements, maintenance, and emergency response, so that such activities are coordinated for maximum efficiency and public benefit.	PSE is a utility provider requesting to change the property to B / I in order to facilitate potential facility improvements.
Electrical Element Introduction: The City is currently served by Puget Sound Energy (PSE), which provides electricity generation sources, transmission, distribution and maintenance of electrical facilities throughout the Island. PSE is regulated by the Washington Utilities and Transportation Commission (WUTC.) It is the commission's responsibility to ensure regulated companies provide safe and reliable service to customers at reasonable rates, while allowing them the opportunity to earn a fair profit.	
Electrical Goal U-14: Ensure adequate, cost effective, reliable, and environmentally responsible electric service to the citizens of Bainbridge Island.	The PSE request is based on the premise that to serve future demand and ensure reliability, the change in land use designation is needed.
Policy U 14.1: Develop a plan together with the electric service provider to undertake energy efficiency improvements and other alterations of electric utility facilities to provide capacity for future growth.	PSE continues to engage with Islanders as part of its Electric Reliability Projects which include Bainbridge Island electric system improvements to address current problems along with future needs.

Policy U 14.2: Encourage the conservation of electrical energy, especially during periods of peak usage, and encourage energy saving building code strategies, local renewable energy, and other cost effective approaches to meeting the island's energy needs, including distributed energy systems.	An evaluation of cost-effective approaches to electrical energy conservation, usage during peak periods, building codes, and renewable energy resources was not conducted as part of the request to change the Comprehensive Plan designation of the property.
Policy U 14.3: Encourage the electric service provider to improve reliability, with particular attention to adding transmission redundancy and mitigating impacts on service from storms or other natural events.	The PSE request is based on the premise that, to improve reliability and increase transmission redundancy, the change in land use designation is needed.
Policy U 14.4: Encourage undergrounding new and existing electric transmission and distribution power lines, and develop a long-term strategy for future undergrounding, to include maximizing opportunities with new construction, and prioritizing the work that affects the greatest number of households and businesses.	An evaluation of undergrounding utilities was not conducted as part of the request to change the Comprehensive Plan designation of the property.
Policy U 14.5: Encourage the electric service provider and electricity users to use carbon neutral electricity generation, local electricity generation, and innovative technologies such as solar power that are reliable, cost effective, preserve resources, provide minimal environmental impact, and do not contribute to global warming.	PSE aspires to a goal to achieve Beyond Net Zero Carbon by 2045.

Part IV BIMC Title 18 Zoning

A. BIMC 18.09.020 Permitted Uses

Primary utilities are a subset of Utility and Telecommunications use and a permitted use in the Business / Industrial (B/I) district. Site Plan and Design Review permit is applicable for new construction of nonresidential buildings or structures.

Primary utilities require a conditional use permit (CUP) in the R-0.4 district, provided: Replacement, maintenance or upgrade of existing poles and equipment within a utility corridor or right-of-way is a permitted use. A conditional use is one that is permitted subject to compliance with a set of conditions or requirements set forth in the Municipal Code.

B. Comparison of Dimensional and Development Standards for Primary Utilities (where different)

Municipal Code Section	Standard	R-0.4 District	B / I District	Evaluation Summary
Tables of Dimensional Standards	Lot Area	100,000 sq. ft.	20,000 sq. ft.	The lot conforms to either standard.
	Lot Dimensions	110 ft width & 110 ft depth	N/A	The lot conforms to either standard.

BIMC 18.12.020	Lot Coverage	10 % maximum	35 % maximum	Existing development conforms to either standard.
	Setback - Front Lot Line	25 feet	50 feet along public right-of-way	Existing utility structures are permitted in setbacks. Existing development conforms to either standard, as provided in BIMC Table 18.12.040.
	Setback - Side Lot Line	15 feet	10 ft; 50 ft abutting residentially zoned lots	Existing development conforms to either standard.
	Building Height	30 feet base; Bonus height to 35 feet with CUP	35 feet base; Bonus height to 45 feet with CUP	Alternative height limits may apply for nonresidential uses if additional conditional use provisions are met. Existing development is not evaluated for this standard.
	Structure Height			An exemption from the height limits for structures can be approved through a minor conditional use if: View opportunities are not substantially reduced; No structures are within setbacks except as otherwise allowed in the Municipal Code; Each setback is increased one-half foot for every foot above the maximum structure height. Existing development is not evaluated for this standard.
	Structures (New) except buildings and distribution poles	30 feet base; Bonus height to 35 feet with CUP	35 feet base; 45 feet with CUP	
	Transmission Pole (New)	30 feet base; Bonus height to 35 feet with CUP	35 feet base; 45 feet with CUP	
Landscaping, Screening, and Tree Retention, Protection and Replacement BIMC 18.15.010	Perimeter Landscape Buffer	25 ft from residential districts 20 ft from non-industrial use	50 ft from non- B/I	Existing development is nonconforming to either standard.
	Roadside Landscape Buffer	50 ft from SR 305 25 ft from other rights-of-way	50 ft from rights-of-way	Existing development is nonconforming to either standard.
	Total Site Tree Unit Requirements	40 tree units per acre or the same pre/post development	N/A	This standard is only evaluated upon development or redevelopment. The number of existing tree units is not known.

Part V Public Comment

Eleven public comments were received, six in support of the proposal and five opposed.

Those opposed to the proposal are concerned that the proposal received inadequate scrutiny, does not meet the Comprehensive Plan, State Environmental Policy Act (SEPA), or Municipal Code, and that approval of the request could serve as a precedent to change the designation of other area properties (specifically the property across Bucklin Hill Road that has been used for sand and gravel mining). Commenters are concerned that the primary motivation for the request is to avoid Aquifer Recharge Protection Area (ARPA) requirements and that primary utilities could be exempted from ARPA rather than rezoning the property, that business / industrial zoning should not be expanded, and that review of specific planned improvements should be conducted. Additionally, a commenter states that hundreds and possibly thousands of trees will be removed along the proposed transmission line route, making the trees behind those removed more vulnerable to blow down, and that this is avoidable because Tesla batteries can serve the same purpose as a redundant line whose only purpose is providing backup for the Winslow and Murden Cove substations.

Comments in support of the proposal are summarized as follows:

Reliability on the Island needs to be improved and Puget Sound Energy (PSE) Beyond Net Zero goals depend on a reliable grid. PSE is not meeting many of its service reliability metrics, and as a city we are not presently poised to meet current or future electrical needs.

PSE must periodically upgrade substations to provide reliable and safe power to customers in the long term. The electric infrastructure on the Island is decades old, and Islanders currently experience reliability challenges, especially for the south end of the Island, and present special accessibility challenges to the elderly. The substations support the transmission and distribution lines that bring power to homes and businesses, including those who telecommute. Improved reliability and capacity on the Island will improve overall quality of life on the Island.

PSE has been both transparent and thorough in its public engagement for its Electric Reliability Projects (which include Bainbridge Island electric system improvements). PSE has done its due diligence in finding appropriate solutions to our current energy problems while planning to remain flexible in order to address future needs. Reliability and capacity issues include the planned future electrification of ferries and other transportation on the Island.

Granting this application would allow PSE to move forward more quickly with long-overdue electric improvements. A larger setback would be required for a Business / Industrial designation that would afford even greater protections to area residents. Approval of the change from a residential to Business / Industrial property is consistent with the goals and policies of the Comprehensive Plan, specifically Utilities / Electrical and Business / Industrial, and aligns the zoning with the long-term use of the property and zoning of neighboring business properties.

Rezoning this property helps to limit the need to site utilities on new parcels and make the best use of the existing site. Relocating the substation from its current location to larger sites to support the needed infrastructure to supply power to the community would also result in the need to relocate the infrastructure supported by the existing substations, including distribution and transmission lines. Searching for alternative sites would only create more delays in implementing PSE Beyond Net Zero goals which depend on a reliable grid.

Part VI Staff Analysis and Recommendation

The Comprehensive Plan states that residential districts are intended for residential development and a variety of agricultural and forestry uses, and development should be compatible with open space and agricultural activities. The Comprehensive Plan states that the purpose of the B / I designation is to provide opportunities for light industrial and other non-retail activities.

The Municipal Code states that the purpose of the R-0.4 district is to provide low-density housing in an environment with special Island character consistent with other land uses, such as agriculture and forestry, and the preservation of natural systems and open space. The Code states that the purpose of the B / I district is to facilitate development of a diverse economy on the island with business retention, growth, and innovation, and that the district is intended to provide opportunities for knowledge-based businesses and expansion of Island businesses, for diversity of jobs, and for low-impact industrial activity that is compatible with adjoining residential neighborhoods.

The Comprehensive Plan goals and policies applicable to the B / I designation are more closely aligned to utility use than those of the residential designation. Taking into consideration provisions for existing development which is nonconforming to current standards that apply regardless of the district, the notable differences are:

1) Aquifer Recharge Protection Area (ARPA) designation is required in residential districts but not in B/I districts. Specific to this site, ARPA regulations mandate that any activity involving land use disturbance over an area 7,000 square feet in size or greater require that the areas of existing native vegetation, which cover no more than 69,000 square feet or 79 percent of the site, be delineated and an ARPA encompassing 56,911 square feet of that native vegetation or 65 percent of the site be designated.

   Any activity is allowed in the ARPA provided that the activity maintains 100 percent of the annual average pre-construction groundwater recharge volume for the site; this determination requires a hydrological assessment. The permeability of the soil type on the site is moderately rapid and the available water capacity is moderate.
2) A substation is an electric utility, more specifically defined as a Primary Utility in the Municipal Code. Primary utilities are a permitted use in the B/I district and a conditional use in all other districts.
3) The front lot line setback from Bucklin Hill Road is 25 feet in the R-0.4 district and 50 feet in the B / I district.
4) The rear lot line setback (along the north side of the property) is 25 feet in the R-0.4 district and 50 feet in the B / I district.
5) The side lot line setback (along the east side of the property) is 15 feet in the R-0.4 district and 50 feet in the B / I district.
6) The standard roadside landscape buffer is 25 feet in the R-0.4 district and 50 feet in the B / I district.
7) The standard perimeter landscape buffer along the north and east property boundaries is 25 feet in the R-0.4 district and 50 feet in the B / I district.
8) Total Site Tree Unit requirements are applicable to the residential district and not applicable to the B / I district.

The staff recommendation to approve the change from residential to B / I designation is largely based on consistency with the goals and policies of the Comprehensive Plan, wherein utility use is consistent with the Business / Industrial designation and inconsistent with residential designation. Additionally, increased landscape buffer widths, which double from 25 to 50 feet, afford greater vegetation protection than ARPA designation because tree within landscape buffers must be retained and trees within the ARPA are allowed to be removed, provided that 100 percent of the annual average pre-construction groundwater recharge volume is maintained.

Part VII Land Use Preview Procedures

A. Review and Recommendation by Planning Commission

Subsequent to completion of the analysis and SEPA review prepared by staff, the Planning Commission shall conduct one or more public hearings as defined in BIMC 2.14.020.G. Planning Commission Recommendation on Comprehensive Plan Amendments

The Planning Commission shall base its recommendation on whether the application meets the required decision criteria and consider public input, conclusions from any required studies, the staff recommendation, and findings from the SEPA analysis.

The Planning Commission conducted a public hearing in accordance with the Municipal Code and recommends approval of the application.

B. City Council Review and Decision.

The City Council considers whether the application meets the required decision criteria, and considers the staff recommendation and the Planning Commission recommendation within the context of its budget discussions, and may act on the amendment proposals prior to or at the same time as it adopts the City budget. The Council may decide to approve, deny, or approve with modification the proposed amendment. The Council shall base its decision on consideration of the record and the required decision criteria and shall cite these in its findings and conclusions.

C. BIMC 2.16.140.H Site-specific Rezones Decision Criteria

The following criteria shall be considered in any review for a site-specific rezone in order to establish a recommendation to approve, disapprove or approve with conditions:

1) The site-specific rezone will not be materially detrimental to the public welfare or injurious to the property or improvements in the immediate vicinity and zone in which the property is located.

The rezone is not materially detrimental to public welfare or injurious to property or improvements in the vicinity. The property to the west is zoned B / I and permitted uses in the district are conducted on that property. The property to the south is zoned residential and is used for mining.

The vegetation buffers from residentially zoned properties would increase from 25 to 50 feet in width. On the property to the north, vegetated open space surrounds three homes. Development east of the property includes a stormwater retention facility.

2) The site-specific rezone is warranted because of changed circumstances and the proposed designation is appropriate for reasonable development of the subject property, or because of a need for additional property in the proposed zone, and the proposed designation is appropriate for reasonable development of the subject property.

The rezone recognizes the historic use of the property as a utility, which is a permitted use in the B / I district. The rezone is consistent with the development standards for the B / I district and is appropriate for reasonable development of the property.

3) The subject property is suitable for development in general conformance with zoning standards under the proposed zoning designation.

The property conforms to all B / I district zoning standards.

4) The property will be served by adequate public facilities including roads, water, fire protection, sewage disposal facilities and storm drainage facilities for the intensity to which it is being rezoned.

The property is served by public right-of-way and fire / life / safety protection afforded to properties in the vicinity. Use as a primary utility does not rely on sewage facilities. Storm drainage facilities are evaluated when a specific development is proposed.

5) The site-specific rezone is in accord with the Comprehensive Plan.

The rezone is consistent with the goals and policies of the Comprehensive Plan. Utility use is consistent with the Business / Industrial designation and inconsistent with residential designation. Comprehensive Plan goals include ensuring that utility services are adequate to meet current demands, and that utility providers plan for future demands.

6) The site-specific rezone complies with all other applicable criteria and standards of the City.

The rezone complies with applicable criteria and standards. All future development must comply with applicable Municipal Code regulations.

7) The site-specific rezone would not devalue surrounding or nearby property.

Utility use was established on the property over 50 years ago. The rezone recognizes historical use of the property and would not devalue surrounding or nearby properties.

8) The site-specific rezone will not result in an adverse environmental consequence.

The rezone results in no adverse environmental impact. All future development must comply with applicable environmental regulations.

D. BIMC 2.16.190.H Legislative Comprehensive Plan Amendments Decision Criteria

The Planning Commission and City Council shall base their respective recommendation or decision on a proposed comprehensive plan amendment on the following criteria:

1) Compliance with Law: Amendments to the Comprehensive Plan shall comply with the Growth Management Act and other state and federal laws.

The amendment in the Comprehensive Plan designation complies with the Growth Management Act and other state and federal laws. To be compliant with the Growth Management Act, an amendment to the Comprehensive Plan must be accompanied by a change in the zoning designation.

2) Resources:

a. The City must have the resources, including staff and budget, necessary to implement the proposal.

b. The amendment will not result in development that has significant adverse effects on community resources, including but not limited to: Water resources, utilities, transportation, parks or schools.

c. The amendment must not adversely affect the City's ability to provide the full range of public facilities and services at the planned level of service, or consume public resources otherwise needed to support Comprehensive Plan implementation strategies.

This amendment request for a change to the Land Use Map of the Comprehensive Plan can be updated by staff without undue adverse impact to resources at this time.

3) Internal Consistency: Amendments shall be consistent with the land uses and growth projections that are the basis of the comprehensive plan and with the overall intent of the

Comprehensive Plan, including the community vision, overriding principles, and overall goals that guide the plan.

This amendment is consistent with the overall community vision as adopted in the City's Comprehensive Plan because it addresses electric reliability and capacity needs on the Island. Increased capacity and reliability serve residents and neighborhood centers, such as Winslow and Lynwood Center, which have evolved into compact, mixed-use areas. These areas are thriving centers of civic life, cultural amenities, goods, services and a wide range of housing and employment opportunities. Facilitating electrical improvements helps to link Islanders with each other and the region with a reliable, modern network which has the potential to reduce the Island's greenhouse gas emissions.

4) Cumulative Effect: All amendments must be considered concurrently in order to evaluate their cumulative effect on the comprehensive plan text and map, development regulations, capital facilities program, adopted environmental policies and other relevant implementation measures.

This Comprehensive Plan amendment is synchronous with several other comprehensive plan amendment requests including two other PSE sites, and would serve to support, with electric service similar to that provided any other business, any development resulting on properties which are the subject of amendment requests received this year, regardless of whether those requests are granted.

5) Land Use Impacts: Amendments shall not adversely affect public health, safety or welfare. An amendment must be compatible with neighboring land uses and surrounding neighborhoods, if appropriate. In addition, applications should be reviewed for their cumulative land use impacts.

The amendment has no adverse impact on public health, safety or welfare, and would serve to provide positive impacts to same, through increased reliability and redundancy in electrical facilities which also carry communication lines, for example. The property is compatible with neighboring land uses which contain industrial businesses.

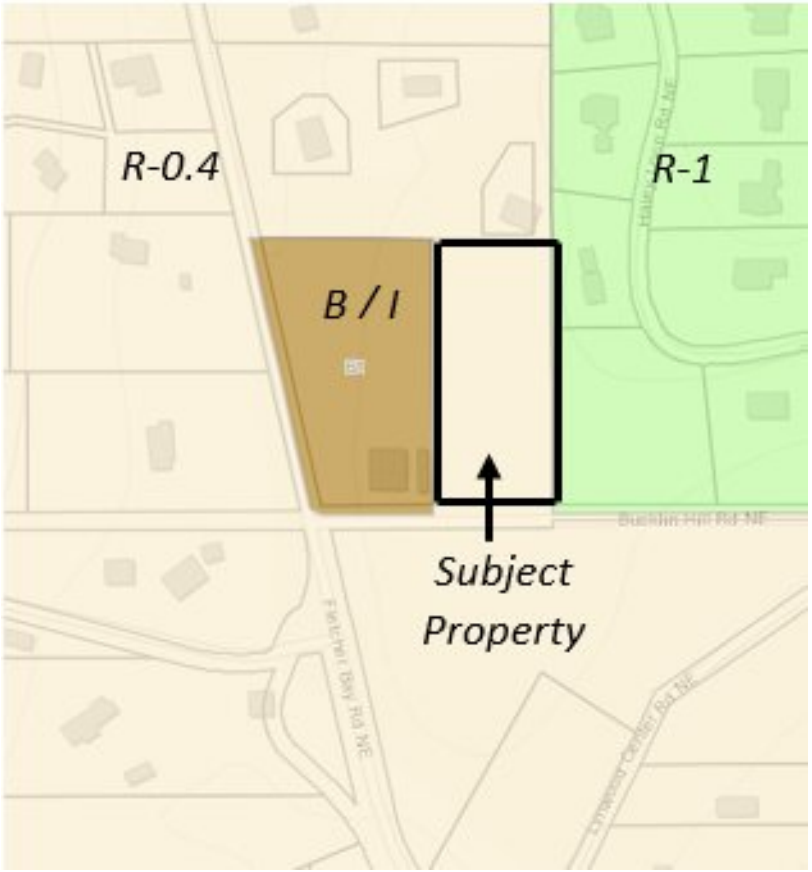


View from Bucklin Hill Road

Photo courtesy of Google Maps

Winslow Substation
Comprehensive Plan Amendment / Rezone

Current Zoning



Site and Surrounding Development



Winslow Substation

Notable site-specific development regulation differences between Residential and B/I designation
Winslow Substation

	Residential R-0.4	B / I
Primary Utility Use	Conditional Use	Permitted Use
Aquifer Recharge Protection Area (ARPA)	Required: Designation of an ARPA encompassing all existing native vegetation, up to a maximum of 65% of the site area (56,900 sf). Any structure or activity is permitted in the ARPA as long as 100 % of the annual average groundwater recharge volume that existed prior to the proposed structure or activity is maintained.	Not Applicable
Front / Rear Lot Line Setback	25	50
Side Lot Line Setback	15	50
Roadside Landscape Buffer	25	50
Perimeter Landscape Buffer	25	50
Total Site Tree Unit	Required: Same number of tree units before redevelopment as after, or 40 per acre (80 tree units)	Not Applicable



View from Day Road

Photo courtesy of Google Maps

Port Madison Substation
Comprehensive Plan Amendment / Rezone

Current Zoning



Port Madison Substation

Site and Surrounding Development



Notable site-specific development regulation differences between Residential and B/I designation

Port Madison Substation

	Residential R-0.4	B / I
Primary Utility Use	Conditional Use	Permitted Use
Aquifer Recharge Protection Area (ARPA)	Required: Designation of an ARPA encompassing all existing native vegetation, up to a maximum of 65% of the site area (18% or 9,600 sf likely maximum). Any structure or activity is permitted in the ARPA as long as 100 % of the annual average groundwater recharge volume that existed prior to the proposed structure or activity is maintained.	Not Applicable
Front Lot Line Setback	25	50
Lot area (minimum lot size)	Existing lot is nonconforming	Lot would conform
Roadside Landscape Buffer	25	50
Total Site Tree Unit	Required: Same number of tree units before redevelopment as after	Not Applicable



View from Sportsman Club Road

Photo courtesy of Google Maps

Murden Cove Substation
Comprehensive Plan Amendment / Rezone

Current Zoning



Site and Surrounding Development



Murden Cove Substation

Notable site-specific development regulation differences between Residential and B/I designation
Murden Cove Substation

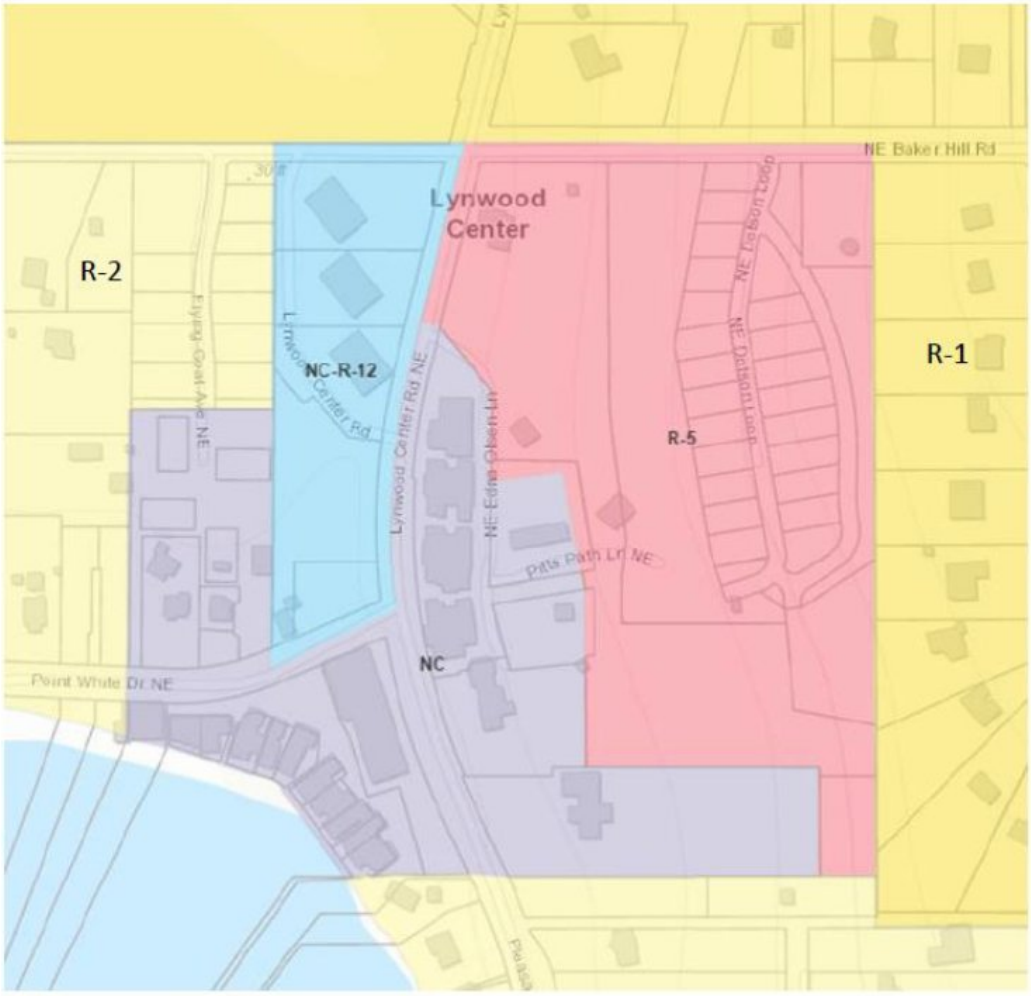
	Residential R-2	B / I
Primary Utility Use	Conditional Use	Permitted Use
Aquifer Recharge Protection Area (ARPA)	Required: Designation of an ARPA encompassing all existing native vegetation, up to a maximum of 65% of the site area (59 % or 55,000 sf is likely maximum). Any structure or activity is permitted in the ARPA as long as 100 % of the annual average groundwater recharge volume that existed prior to the proposed structure or activity is maintained.	Not Applicable
Front Lot Line Setback	25	50
Side Lot Line Setback	5	50
Roadside Landscape Buffer	25	50
Perimeter Landscape Buffer	25	50
Total Site Tree Unit	Required: Same number of tree units before redevelopment as after	Not Applicable



City Council

May 9, 2023

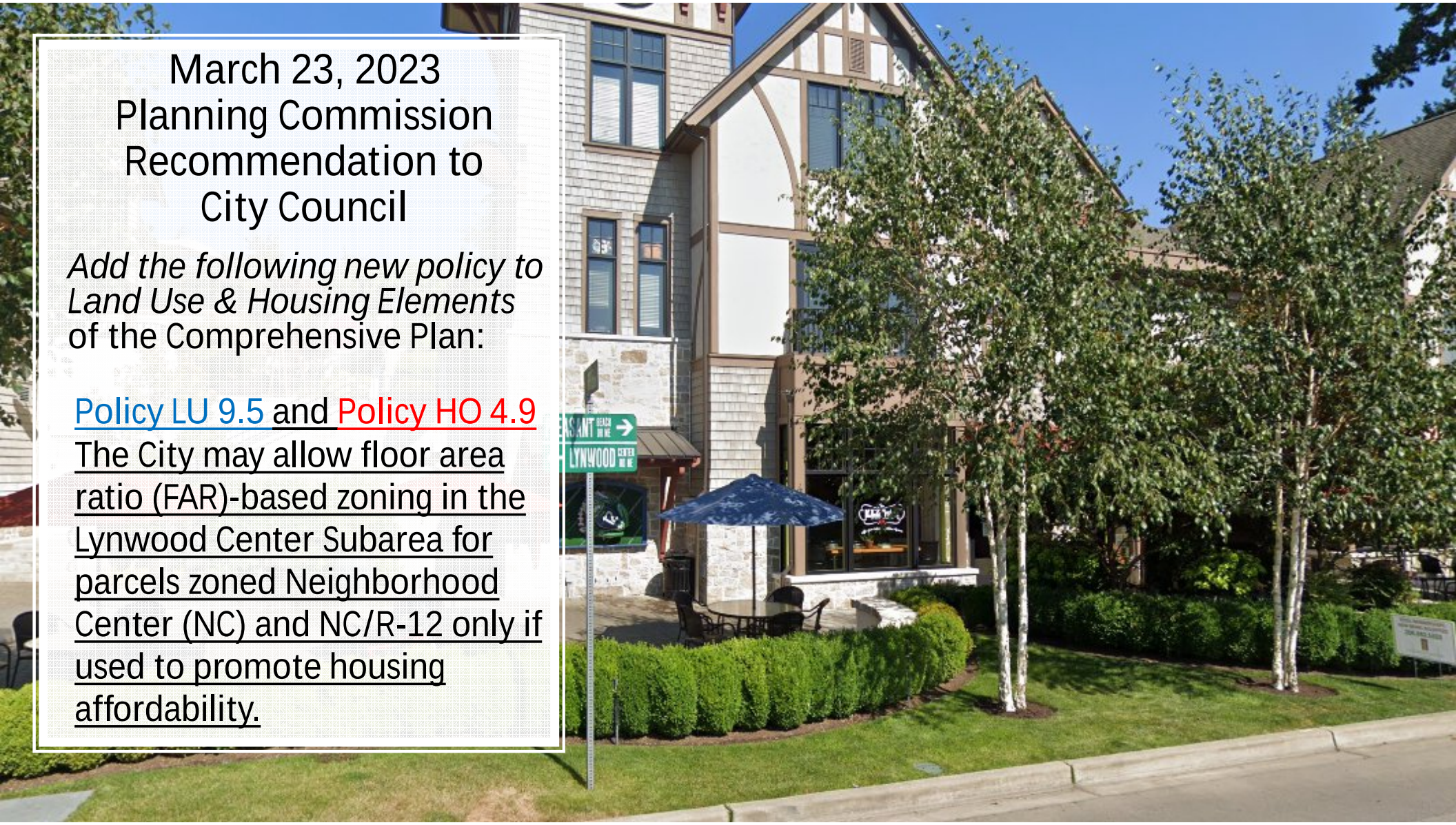
Lynwood Center Comprehensive Plan Amendment Ordinance No. 2023-12



Lynwood Center Area Existing Land Use Designations



2020 Aerial Photo of Lynwood Center NC Zone



March 23, 2023 Planning Commission Recommendation to City Council

Add the following new policy to Land Use & Housing Elements of the Comprehensive Plan:

Policy LU 9.5 and Policy HO 4.9
The City may allow floor area ratio (FAR)-based zoning in the Lynwood Center Subarea for parcels zoned Neighborhood Center (NC) and NC/R-12 only if used to promote housing affordability.

CITY OF BAINBRIDGE ISLAND

DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT

Staff Analysis

Date:	April 21, 2023
To:	City Council
From:	Jennifer Sutton, AICP, Senior Planner
Project:	Ordinance No. 2023-12 Lynwood Center Comprehensive Plan Amendment (CPA) application
File Number:	PLN52180CPA

Lynwood Comprehensive Plan Amendment (CPA) Application

On March 23, 2023 the Planning Commission completed its review of the Lynwood CPA application. The Planning Commission recommended approval to the City Council of adding the policy below to the Land Use and Housing Elements of the City Comprehensive Plan. Please note the technical definitions of terms used in this memo can be found in BIMC 18.12.050[1]

> Policy LU 9.5 and Policy HO 4.9 The City may allow floor area ratio (FAR) based zoning in the Lynwood Center Subarea for parcels zoned Neighborhood Center (NC) and NC/R-12 only if used to promote housing affordability.

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Part I: Land Use Process / Lynwood Center CPA Application History

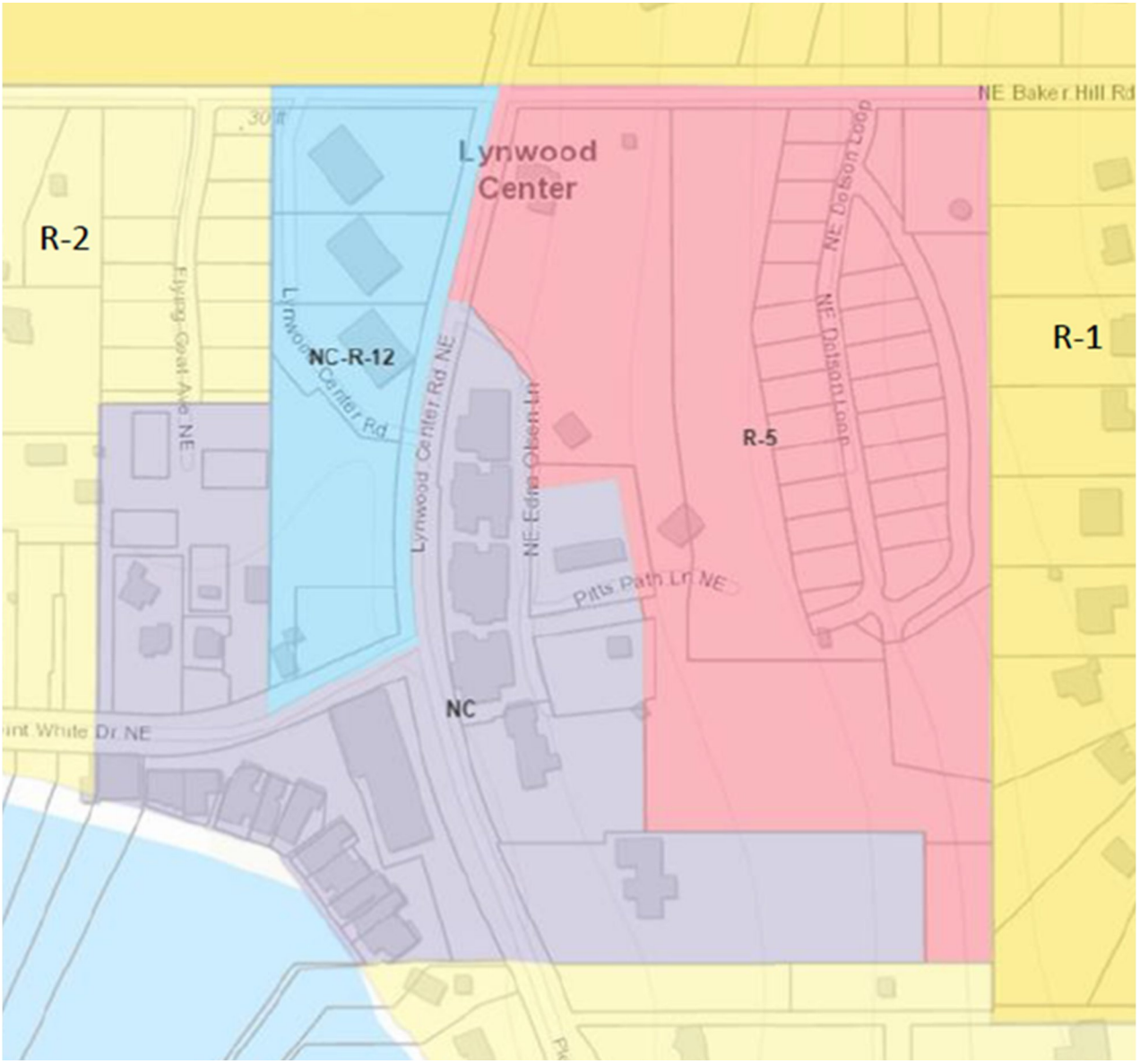
Date:	Action:
February 15, 2022	Preapplication conference held with applicant and City staff.
February 28, 2022	CPA application submitted.
August 11, 2022	Planning Commission Study Session: Overview of CPA Process and 2022 CPA Applications.
September 8, 2022	Planning Commission study session held on original Lynwood Center CPA application.

[1]Condensed definitions of relevant terms:

Floor Area is measured as the total area of all floors within the exterior vertical walls of a building. (If any room has a sloping ceiling, no portion of the room measuring less than five feet in height is counted.)

Floor Area Ratio (FAR) is a figure that expresses the total floor area as a multiple of the lot area. This figure is determined by dividing the floor area of all buildings on a lot by the lot area prior to removal of lot area for dedication. Portions of parking located underground or underneath occupiable space are not counted in floor area ratio calculations, nor are listed historic structures. A 5,000 square foot building on a 10,000 square foot lot equates to a 0.5 FAR, no matter how many stories a building has. A one-story 5,000 square foot building has the same 0.5 FAR as a two-story building with 2,500 square feet per story in this example.

Date:	Action:
September 19, 2022	Applicant revised CPA application to request policy amendment only.
October 27, 2022	Planning Commission study session held on revised Lynwood Center CPA application.
October 28, 2022	State Environmental Policy Act Threshold Determination of Nonsignificance issued.
November 10, 2022	Original scheduled Planning Commission Public Hearing on all CPA applications was cancelled due to SEPA appeal on another CPA application.
March 23, 2023	The Planning Commission held a public hearing. After closing the public hearing, the Planning Commission continued its discussion, and approved a motion to slightly amend proposed new policies LU 9.5 and HO 4.9, and to recommend approval to the City Council of adding the amended policies to the Comprehensive Plan.



Lynwood Center Area Existing Land Use Designations

Part II: Planning Commission Review of Lynwood CPA Application

On September 8, 2022, the Planning Commission had an initial study session on the Lynwood Center CPA application. The original application requested both map and policy amendments to the Lynwood Center Subarea Plan to change the residential density regulations for the Neighborhood Center properties from *units per acre* to *floor area ratio (FAR)* for base and bonus density provisions to encourage affordable housing.

The staff analysis of the original application showed that there could be a substantial increase in the amount of residential development allowed in the Lynwood NC area by changing to FAR density standard. At this time, the City does not have any additional sewer capacity in the South Island Sewer Area, and City staff had initially recommended denial of the original application due to the current lack of additional sewer capacity. (See September 8, 2022 Planning Commission packet for additional information, including a summary of existing conditions in the Lynwood Center NC area, and information from the City Department of Public Works regarding area utilities.)

On September 19, 2022, the applicant submitted a REVISED application to the City, scaling back the policy request to indicate that a change from *units per acre* to *FAR* should be considered in the future but would not be changed through this CPA application. See REVISED policy request below.

> *Proposed Policy (Land Use – Housing Elements) The City may ~~shall~~ allow FAR based zoning in the Lynwood Center Sub Area for parcels zoned as NC & NC-R-12 to promote housing diversity and affordability.*

On October 27, 2022, the Planning Commission held a study session on the revised Lynwood Center CPA application. On March 23, 2023, the Planning Commission held a public hearing on the Lynwood CPA application. After closing the public hearing, the Planning Commission continued its discussion, and approved a motion to slightly amend proposed new policies LU 9.5 and HO 4.9, and to recommend approval to the City Council of adding the amended policies to the Comprehensive Plan (see page one). Ordinance No. 2023-12 (attached) has been updated to reflect the Planning Commission recommended policies.

Part III: Comprehensive Plan Guiding Principles, Goals and Policies

The application is supported by the City's growth strategy to focus future development in designated centers (see Goals and Policies 4, 5 and 9 of the Land Use Element of the Comprehensive Plan) as well as several Guiding Principles and other Land Use and Housing Element goals and policies to promote and build more small, multifamily, and/or affordable housing units. The table below highlights some of those goals and policies relevant to this Lynwood Center CPA.

Comprehensive Plan Introduction: Supporting Guiding Principles
Guiding Policy 1.2 Accommodate new growth in designated centers that meet the Island's identified needs for housing, goods, services and jobs while respecting conservation and environmental protection priorities.
Guiding Policy 3.1 Ensure a variety of housing choices to meet the needs of present and future residents in all economic segments and promote plans, projects and proposals to create affordable housing.

Land Use Element
Goal LU-4 As part of a long-term Island-wide Conservation and Development Strategy, focus residential and commercial development in designated centers, increase a network of conservation lands, maximize public access while protecting the shoreline, minimize impacts from the SR 305 corridor and conserve the Island's ecosystems and the green and open character of its landscape.
Policy LU 4.1 Focus development and redevelopment on the Island over the next fifty years in designated centers that have or will have urban levels of services and infrastructure while increasing conservation, protection and restoration on the Island, including shorelines, especially where there is interaction between the fresh and saltwater environments.
GOAL LU-5 Focus Urban Development in Designated Centers The Plan focuses residential, commercial, and industrial growth in Winslow and other designated centers with urban services such as the Neighborhood Centers, and the industrial centers at Day Road, and Sportsman Triangle. Collectively, Winslow, the Neighborhood Centers, and the two industrial centers constitute Bainbridge Island's designated centers.
Housing Element
Policy HO 1.4 Increase the Island's percentage of multifamily homes to 18% or more of all homes (up from 16%).
Policy HO 1.6 Change today's 89/11% housing split between the Mixed Use Town Center and Neighborhood Centers to 80/20% by 2036.
Policy HO 4.1 Encourage new multifamily housing in a variety of sizes and forms in designated centers.

Part IV Public Comment

City staff sent a postcard with information about the Lynwood Center CPA to the greater Lynwood Center area in advance of the September 8, 2022 Planning Commission Study Session. Nine public comments have been received to date from six different commenters. Six of the public comments were received prior to the September 19, 2022 revision to the CPA application. Most of the early comments were in opposition to the CPA application to increase residential density in Lynwood Center expressing concern regarding:

- Any increase in density should be accompanied by an increase in services and infrastructure.
- Traffic, expressing that Lynwood Center has a lot of traffic, and that the CPA application would increase traffic.
- Non-motorized safety, the roads leading to to Lynwood Center don't have sidewalks or bike lanes, and concern that additional traffic would make the area less safe for cyclists or pedestrians.
- Concern that increased density would harm neighborhood character and distrust in the FAR density standard because there isn't a clear maximum density.
- Unclear about how much of any increased density would be affordable.
- Need additional neighborhood services in Lynwood Center to keep people from having to drive to Winslow, e.g., post office instead of tourism focused businesses.
- Lynwood Center is a relatively low lying area that could be impacted by future sea level rise.

Housing Resources Bainbridge Executive Director Phedra Elliot wrote in support of the CPA application, noting that the City has a housing shortage, but advocating that any increase in density for creating multifamily housing should be paired with mandatory affordable housing.

The three comments received after the CPA application was revised were all in opposition to the CPA application, reiterating some of the issues identified above, in addition to:

- Concern about sewer and water availability to serve an increase in density.
- Lynwood Center has already grown a lot, especially compared to the other two NC areas.

Part V Staff Analysis and Recommendation

The original CPA application considered by staff and the Planning Commission on September 8, 2022, proposed a policy to convert NC density standards from *units per acre* to *FAR*. As the applicant pointed out in their application, the FAR standard is more likely to yield smaller, multifamily, and more affordable units compared to the units per acre standard. The City did not dispute that assertion. However, the FAR standard could have resulted in a substantial increase in the number of units on NC-designated properties, and the City recommended denial due to lack of additional sewer capacity in the area.

The REVISED proposed policy scales back the request so that the Lynwood Center NC density standard would not be changed through this CPA. The revision to the proposed policy, from shall to may, instead lays the groundwork for future *consideration* of changing the density standard to FAR in the Lynwood Center NC area. Such future consideration would be predicated on utility analysis including sewer capacity upgrades to ensure infrastructure is in place to serve any increases in density.

The idea of converting the City's NC areas to a FAR density standard as a way to increase affordable and multifamily units was first raised in 2019 when the City commissioned an analysis of its current affordable housing program. In addition, earlier this year, the City embarked on a Housing Action Plan (HAP) project to identify actions that can help Bainbridge Island promote more housing, more housing diversity, and affordability. Evaluating whether particular development standards, including density regulations, should be updated to increase affordability will be part of the HAP, and this could include strategies for the NC areas. Ultimately, the City will adopt and implement a set of housing-related strategies by adopting a Final HAP, currently due by the end of June, 2023.

Staff Recommendation: LU 9.5 & HO 4.9

Staff recommends APPROVAL of this REVISED and AMENDED CPA application, and further recommends that the following policy should be added to both the Land Use and Housing Elements of the City's Comprehensive Plan as shown below:

> Policy LU 9.5 and Policy HO 4.9
> The City may allow floor area ratio (FAR) based zoning in the Lynwood Center Subarea for parcels zoned Neighborhood Center (NC) and NC/R-12 only if used to promote housing affordability.

The application is supported by the City's growth strategy to focus development in designated centers (see Goals and Policies 4, 5 and 9 of the Land Use Element of the Comprehensive Plan) and other Land Use and Housing Element goals and policies to promote and build more multifamily, small, and affordable housing units (see memo Part II above). In addition, the City is currently considering how to increase affordable housing through the City Housing Action Plan project and through the upcoming 2044 Comprehensive Plan periodic update. Therefore, further work on the issue of affordability in the City's NC areas raised by the proposed new policy will continue.

The issue of sewer service in the Lynwood Center area was discussed at the September 8, 2022 Planning Commission study session, and a memo regarding the issue from the Department of Public Works describes sewer service in the area. Any future discussion about increasing density in Lynwood Center would have to be supported by an increase sewer connections, and at this time, it is uncertain if additional connections can be obtained.

Part VI Comprehensive Plan Amendment Decision Criteria

There are five decision criteria to evaluate for Comprehensive Plan Amendments, outlined in BIMC 2.16.190.H. The criteria and staff analysis of how the criteria can be applied to the REVISED CPA application are below.

Decision Criteria. The planning commission and city council shall base their respective recommendation or decision on a proposed comprehensive plan amendment on the following criteria:

1. Compliance with Law. Amendments to the comprehensive plan shall comply with the Growth Management Act and other state and federal laws.

Staff Response: This REVISED CPA application would comply with federal laws and be supported by other GMA goals to promote affordable housing and to focus growth within centers or urban areas to prevent sprawl.

2. Resources.
a. The city must have the resources, including staff and budget, necessary to implement the proposal.
b. The amendment will not result in development that has significant adverse effects on community resources, including but not limited to: water resources, utilities, transportation, parks or schools.
c. The amendment must not adversely affect the city's ability to provide the full range of public facilities and services at the planned level of service, or consume public resources otherwise needed to support comprehensive plan implementation strategies.

Staff Response: The City would have the resources to implement the REVISED CPA application at this time, which would involve updating the City's Land Use and Housing Elements to add the new policy. In the future, when the City considers implementing additional strategies to promote multifamily and affordable housing, capacity of public facilities will have to be evaluated prior to any change in development standards that could increase the number of new units.

3. Internal Consistency. Amendments shall be consistent with the land uses and growth projections that are the basis of the comprehensive plan and with the overall intent of the comprehensive plan, including the community vision, overriding principles, and overall goals that guide the plan.

Staff Response: This REVISED CPA application is supported by the City's growth strategy to focus development in designated centers (see Goals and Policies 4, 5 and 9 of the Land Use Element of the Comprehensive Plan) and other Land Use and Housing Element goals and policies to promote and build more multifamily, small and affordable housing units (see memo Part III above).

4. Cumulative Effect. All amendments must be considered concurrently in order to evaluate their cumulative effect on the comprehensive plan text and map, development regulations, capital facilities program, adopted environmental policies and other relevant implementation measures.

Staff Response: This CPA does not impact and is not impacted by the other four CPA applications under consideration during the 2022 CPA cycle.

5. Land Use Impacts. Amendments shall not adversely affect public health, safety or welfare. An amendment must be compatible with neighboring land uses and surrounding neighborhoods, if appropriate. In addition, applications should be reviewed for their cumulative land use impacts.

Staff Response: This REVISED CPA application would add a new policy to the Land Use and Housing Elements of the City's Comprehensive Plan, and would not adversely affect public health, safety, or welfare. Compatibility with adjacent development would be required and evaluated during design review should there be a future site-specific development project in any area.

ORDINANCE NO. 2023-12

AN ORDINANCE of the City of Bainbridge Island, Washington, adding a policy to both the Land Use and Housing Elements of the Comprehensive Plan related to density in the Lynwood Center Neighborhood Center area.

WHEREAS, the City of Bainbridge Island (City) accepts requests to amend the Comprehensive Plan every three years as described in the Comprehensive Plan Amendment (CPA) process established by Bainbridge Island Municipal Code (BIMC) Chapter 2.16.190; and

WHEREAS, 2022 was a CPA application year, and the City received five CPA applications during the January and February 2022 submission window; and

WHEREAS, Indigo Architecture & Interiors submitted a CPA, permit file number PLN52180 CPA, requesting both a policy addition and an amendment to the Future Land Use Map of the Comprehensive Plan to change the density regulations from units per acre to floor area ratio (FAR) in the Lynwood Center Neighborhood Center (NC) area, to support housing diversity and affordability goals; and

WHEREAS, City planning and public works staff analyzed the Lynwood Center CPA, and determined that changing the density from the current density range of two-twelve units per acre to a 1.05 FAR density limit could result in a substantial increase in residential development; and

WHEREAS, the Lynwood Center NC area is within the South Island Sewer Area and City public works staff calculated that there is not additional sewer capacity to support an increase in density at this time, and therefore City planning and public works staff recommended denial of the application to the Planning Commission; and

WHEREAS, the City staff presented the Lynwood Center CPA and the staff recommendation to the Planning Commission, and the Planning Commission considered the application and at a study session on September 8, 2022; and

WHEREAS, on September 19, 2022 the applicant revised the Lynwood Center CPA application to request a policy amendment only, and to revise the policy wording from “shall” to “may”, requesting to add the following policy to the City Comprehensive Plan Land Use and Housing Elements- *The City may allow floor area ratio based zoning in the Lynwood Center Subarea Plan for parcels zoned Neighborhood Center (NC) and Neighborhood Center / R-12 (NC/R-12) to promote housing diversity and affordability*; and

WHEREAS, City staff analyzed the revised application, and given that the CPA had been scaled back to not result in any increase in density at this time; changed its recommendation to "approval"; and

WHEREAS, City staff presented the revised Lynwood Center CPA application and staff recommendation to the Planning Commission and at a study session on October 27, 2022; and

WHEREAS, the City issued a State Environmental Policy Act (SEPA) Determination of Nonsignificance for this CPA application on October 28, 2022; and

WHEREAS, the Planning Commission held a public hearing on Ordinance No. 2023-12 on March 23, 2023, and after closing the public hearing, continued discussion of the CPA application; and

WHEREAS, the Planning Commission approved a motion to slightly amend proposed new policies LU 9.5 and HO 4.9, and to recommend approval to the City Council of adding the amended policies to the Comprehensive Plan; and

WHEREAS, notice was given on March 10, 2023, to the Office of Community Development at the Washington State Department of Commerce in conformance with RCW 36.70A.106; and

WHEREAS, on April 25, 2023, the City Council considered Ordinance No. 2023-12; and

WHEREAS, on May 9, 2023, the City Council adopted Ordinance No. 2023-12.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF BAINBRIDGE ISLAND, WASHINGTON, DOES ORDAIN AS FOLLOWS:

Section 1. The City Council finds that the Lynwood Center CPA application, permit number PLN52180 CPA, is in conformance with the Comprehensive Plan, the CPA decision criteria, and all applicable state laws in effect at the time of approval.

Section 2. The following policy is hereby added to the Land Use Element of the Comprehensive Plan.

> **Policy LU 9.5** The City may allow floor area ratio (FAR) based zoning in the Lynwood Center Subarea for parcels zoned Neighborhood Center (NC) and NC/R-12 only if used to promote housing affordability.

Section 3. The following policy is hereby added to the Housing Element of the Comprehensive Plan.

Policy HO 4.9 The City may allow floor area ratio (FAR) based zoning in the Lynwood Center Subarea for parcels zoned Neighborhood Center (NC) and NC/R-12 only if used to promote housing affordability.

Section 4. This ordinance shall take effect and be in force five (5) days from its passage and publication as required by law.

PASSED by the City Council this XX day of XX 2023.

APPROVED by the Mayor this XX day of XX 2023.

_____

Brenda Fantroy-Johnson, Mayor

ATTEST/AUTHENTICATE:

_____

Christine Brown, MMC, City Clerk

FILED WITH THE CITY CLERK:	XX, 2023
PASSED BY THE CITY COUNCIL:	XX, 2023
PUBLISHED:	XX, 2023
EFFECTIVE DATE:	XX, 2023
ORDINANCE NUMBER:	2023-12

CITY OF BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill

MEETING DATE: May 9, 2023 **ESTIMATED TIME:** 20 Minutes

AGENDA ITEM: (8:15 PM) Discuss Carbon Offset Options for Police/Court Facility,

SUMMARY: A subgroup of the Climate Change Advisory Committee analyzed five potential carbon offset projects to reduce greenhouse gas emissions associated with the operation of the new Police/Court building.

AGENDA CATEGORY: Discussion **PROPOSED BY:** Executive

RECOMMENDED MOTION: I move to have the Climate Change Advisory Committee make a recommendation to City Council on a project for implementation and funding to offset carbon emissions associated with operation of the new Police/Court building.

COMMUNITY ENGAGEMENT AND OUTREACH: This topic was included as an agenda item at the February 15, March 13 and April 19 CCAC meetings in 2023.

FISCAL IMPACT:	
Amount:	
Ongoing Cost:	
One-Time Cost:	
Included in Current Budget?	

BACKGROUND: In January 2020, the City Council discussed the option of whether to pursue LEED Certification for the new Police/Court Facility. In February 2020, they signed a contract amendment with O'Brien360 to determine the feasibility and alternatives of pursuing LEED Silver certification. Results from that study were returned in June 2020 to the City Council. The City Council decided not to move forward with the LEED Silver certification and instructed the Climate Change Advisory Committee (CCAC) to review and provide recommendations on alternatives for closing the gap between what LEED Silver would have produced in terms of metric tons of carbon dioxide, and what the new Police/Court building would produce without certification. This gap was approximately 64 metric tons of carbon per year.

The following projects were presented to CCAC for review and feedback as a means to reduce 64 metric tons carbon dioxide equivalent (CO_2e) per year as a carbon offset for the Police/Court building remodel project. These options were identified based on an analysis by the City's Management Analyst, per a draft memo shared at the February 15, 2023 CCAC meeting, and further staff discussions.

Options Evaluated:

A. Install 25 kW photovoltaic system on the Police/Court building roof

B. Install 120 kW photovoltaic system somewhere on Bainbridge Island (not City property)

C. Upgrade home heating systems to heat pumps

D. Install 8kW solar systems on roofs (on private property)

E. Replace gasoline lawn mowers with electric mowers

CCAC members selected a subgroup to work on this analysis at their March 13, 2023 meeting. The subgroup developed criteria for and completed an analysis of the five proposed options as potential carbon offset projects. The subgroup also re-evaluated the proposed number of metric tons to be included in this calculation based on the projected decline in PSE's grid emission factors. Based on that analysis, the group estimates that the adopted Police/Court building design will result in cumulative excess emissions of 274 metric tons of CO2 from 2024 and 2045. This is the quantity of emissions the subgroup recommends be considered for a carbon offset project, instead of the original 64 metric tons of CO2 from the 2020 analysis.

A summary of the subgroup's analysis of potential carbon offset options is provided in Attachment A, with a full, detailed analysis provided in Attachment B.

ATTACHMENTS:

Attachment A - CCAC Summary of Carbon Offset Analysis .docx

Attachment B - Analysis of Carbon Offset Options for Police Court Building.xlsx

FISCAL DETAILS: No funding has been allocated for this project in the City's 2023-24 budget.

Fund Name(s):

Coding:

Summary of Police/Court Carbon Offset Project Analysis from a Subgroup of the Climate Change Advisory Committee

April 27, 2023

Three members of the Climate Change Advisory Committee (CCAC) were selected at their March 13, 2023 meeting to work with the City's Climate Mitigation & Adaptation Manager to analyze five proposed options for a potential carbon offset project associated with the new Police/Court building. CCAC members looked at a variety of criteria as outlined below and revisited the target for the amount of carbon emissions to be included in the analysis (see below).

Options Evaluated:

A. Install 25 kW photovoltaic system on the Police/Court building roof
B. Install 120 kW photovoltaic system somewhere on Bainbridge Island (not City property)
C. Upgrade home heating systems to heat pumps
D. Install 8kW solar systems on roofs (on private property)
E. Replace gasoline lawn mowers with electric mowers

Criteria for Evaluation:

- Is the project already planned? Is this project otherwise additional (not likely to happen under business as usual)?
- What is the level of uncertainty associated with the analysis of this option?
- What is the range of carbon dioxide equivalent emissions saved (per year and over the project's lifetime)?
- What are the estimated range of costs for this project?
- What is the estimated ease of implementation (from a City staff perspective)?
- What emission factors were used in the calculation?
- What is the duration of the anticipated benefits (for how long this option will reduce emissions)?
- What is the leakage potential (i.e., will this only displace and not reduce emissions)?
- Does this project have a one-time or ongoing cost (for the City)?
- Does this project impact the City's municipal financial and carbon budget (vs. that of a private property owner)?
- Does this project affect electricity, or other source(s) of emissions?
- Does this project increase renewable energy supply or reduce electricity use?
- Does this project have an opportunity to leverage existing and/or planned programs (such as those offered by PSE and the IRA)?
- What equity considerations/ opportunities does this project address/provide?

CCAC members reassessed the amount of greenhouse gas emissions to be mitigated with this carbon offset project and prioritized the following criteria in their review of potential program options:

- Additionality
- Level of uncertainty
- Range of estimated carbon dioxide equivalent (CO_2) emissions avoided over the lifetime of the proposed project
- Rang of estimated costs associated with the project

A summary of offset program options is provided below for these priority criteria. A full analysis can be found in Attachment B.

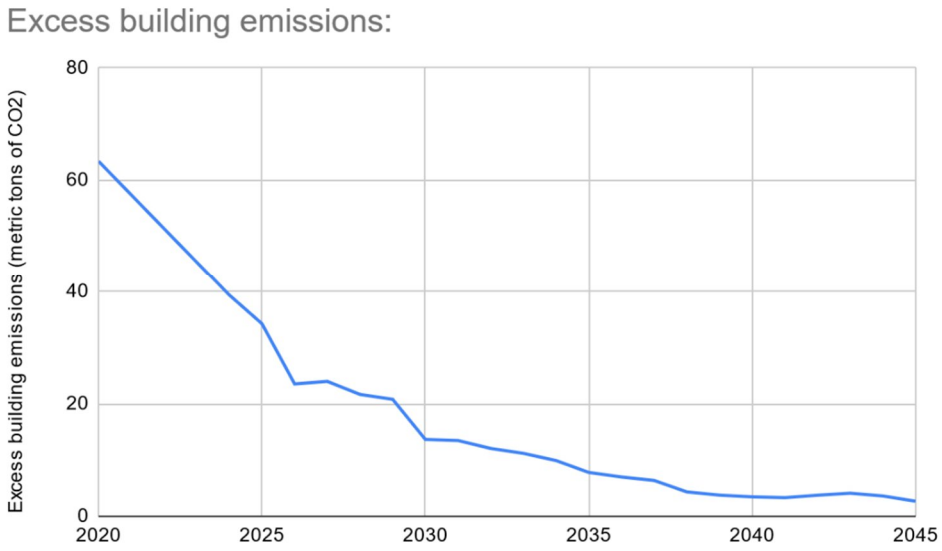
CCAC SUBGROUP ANALYSIS

What is the greenhouse gas emissions impact of the decision to forgo energy efficiency improvements to the new police building?
According to a 2020 analysis by the City's consultants, the adopted building design will result in excess annual electricity consumption of approximately 141 megawatt-hours (MWh), compared to the considered alternative "LEED Silver" (energy efficient) design. The consultant estimated this would result in an extra 64 metric tons of CO2 emissions per year, or 960 metric tons over 15 years. However, this estimate assumed that PSE's grid emission factor would remain fixed at the level it was in 2020, and that emissions would only need to be accounted for over 15 years.

The CCAC proposes that the excess emissions estimate should take into account expected changes in PSE's grid emissions over time, as PSE makes progress in decarbonizing its electricity generation in compliance with Washington's Clean Energy Transformation Act (CETA). PSE provides estimates of future grid emissions as part of its latest integrated resource plan.

The CCAC also proposes that estimates of the building's excess emissions should be calculated over the lifetime of the building, not just for 15 years, since the less energy efficient design for this building is effectively "locked in" until the building is retired (or it undergoes a retrofit). Because PSE is effectively required to provide zero-emission electricity to its customers by the end of 2045, excess emissions over the lifetime of the building only need to be estimated through 2045.

Assuming the building continues to consume an average of 141 MWh excess electricity every year, and using PSE's projected decline in grid emission factors, we estimate the adopted building design will result in cumulative excess emissions between 2024 and 2045 of 274 metric tons of CO2. This is the quantity of emissions that will need to be offset.



Additionality

To compensate for the excess emissions caused by the adopted building design, any offsets must be "additional." That is, the offsets must consist of measures that would not happen anyway, regardless of what the City decided with respect to the police building. Measures that would have been undertaken anyway (for reasons other than offsetting or compensation) have no compensatory value.

"Additionality," however, can be hard to determine with certainty. The CCAC has evaluated the different proposed measures according to how likely they are to be additional. In this case, an additional measure is one that needs additional support to happen, and it is likely the City would not have provided this support had it opted for an efficient building design and did not need to offset the building's excess emissions. If it is likely the City would have supported the measure anyway, then it cannot credibly claim that it compensates for the decision to pursue a less efficient building design.

Is the project additional? (not likely to happen under business as usual)	Uncertainty	Range of total emissions saved* (metric tCO2_eq over lifetime)	Range of estimated costs (capital, O/M and programmatic)
OPTION A: Add solar panels to Police/Court building (City building) - *consider 25kW system (60 panels, producing about 23,000 kWh/year)*			
Assuming that installation of solar panels was not contemplated at the time of the building design decision, this could be seen as an "additional" measure undertaken to compensate for the building's excess electricity consumption. As with all the solar panel projects considered here, additionality is contingent on ensuring that PSE will not count the electricity generated by the panels towards its statewide renewable energy goals. This could be done by retaining any renewable energy certificates that would be generated by the project and retiring them.	<u>Low</u> • Since this measure would generate electricity to match the excess consumption of the police building, any uncertainty associated with future grid emission factors is immaterial. • Typical output of rooftop solar panels can be fairly easily estimated (within a reasonable range). • Solar panels are likely to have reliable performance over time.	45 to 72 metric tCO2_eq/lifetime (depending on the capacity factor used)	$90,000 capital $500 / year cleaning Assumes 1600 square feet @ 24kW AC
OPTION B: Install 120 kW photovoltaic system elsewhere on Bainbridge Island			
As a new, previously unplanned project, this project would be additional. As with all the solar panel projects considered here, additionality is contingent on ensuring that PSE will not count the electricity generated by the panels towards its statewide renewable energy goals. This could be done by retaining any renewable energy certificates that would be generated by the project and retiring them.	<u>Low</u> • Since this measure would generate electricity to match the excess consumption of the police building, any uncertainty associated with future grid emission factors is immaterial. • Typical output of solar panels can be fairly easily estimated (within a reasonable range). • Solar panels are likely to have reliable performance over time.	215 to 348 metric tCO2_eq/lifetime (depending on the capacity factor used)	2020 estimated capital cost: $360,000 2023 estimated capital cost: $600,000 $750 / year cleaning
OPTION C: Upgrade home heating systems to heat pumps (in private homes)			
Additionality for this measure would be hard to guarantee, given that many households might undertake heat pump upgrades on their own, without additional assistance. (This is commonly referred to as a "free rider" problem.)	<u>Medium</u> • Since heat pumps would mostly result in electricity savings, some uncertainty associated with future grid emission factors would be eliminated (i.e. MWh saved could be compared to the excess MWh consumption of the policy building, without the need to consider emissions). • However, estimating each household's baseline and actual energy consumption would be subject to uncertainty.	~10 metric tCO2 per upgrade (assuming 2024 start date and 15-year lifetime) ~5 to 8 upgrades needed to achieve the same emission reductions as Option A.	$10-15,000 capital (with future maintenance costs for homeowner)

Is the project additional? (not likely to happen under business as usual)	Uncertainty	Range of total emissions saved* (metric tCO2_eq over lifetime)	Range of estimated costs (capital, O/M and programmatic)
OPTION D: Install 8kW Solar Roofs (on private property)			
The additionality of this option could be hard to guarantee, due to the potential for free riding. Significant outside incentives have been established for residential solar installations under the Inflation Reduction Act, for example, meaning that many Bainbridge Island households might undertake these installations in any case (and it would be difficult for a BI-led program to distinguish between those who would or would not have undertaken installations otherwise).	<u>Low</u> • Since this measure would generate electricity to match the excess consumption of the police building, any uncertainty associated with future grid emission factors is immaterial. • Typical output of rooftop solar panels can be easily estimated (within a reasonable range). • Solar panels are likely to have reliable performance over time.	14 to 23 metric tCO2 per upgrade 6 to 10 upgrades needed to achieve the same emission reductions as Option A.	$25,000 capital (with future maintenance costs for homeowner)
OPTION E: Replace gasoline lawnmowers with electric mowers (for non-City entities/individuals)			
A lawnmower replacement measure could be additional if undertaken in the near term. There is some potential for free riders, however, and this risk is likely to increase over time as electric equipment becomes more prevalent and cost-effective. If this measure is pursued, we would recommend accounting for emission reductions only over a 5-year period.	<u>High</u> • Some potential for free riders (so total additional reductions could be difficult to precisely quantify). • Emission reductions would depend greatly on how much the replaced mowers are used. • This measure will only reliably result in emission reductions if <u>gasoline lawnmowers are scrapped</u> (not just replaced and resold to other users). • Longevity of equipment could be hard to estimate, making reduction estimates uncertain. • It is not clear what the total potential is (i.e., what is the number of potentially replaceable mowers).	~25 metric tCO2 avoided over 5 years for each mower replaced, assuming heavy usage (600+ hours of operation per year) and scrapping of old mowers	$250 per mower

**Compensation goal is: 274 metric tco2*

Option	Is it otherwise additional (not likely to happen under business as usual)?	Uncertainty
OPTION A: Add solar panels to Police/Court building (City building) - *Consider 25kW system (60 panels, producing about 23,000 kWh/year)*	Assuming that installation of solar panels was not contemplated at the time of the building design decision, this could be seen as an "additional" measure undertaken to compensate for the building's excess electricity consumption. As with all the solar panel projects considered here, additionality is contingent on ensuring that PSE will not count the electricity generated by the panels towards its statewide renewable energy goals. This could be done by retaining any renewable energy certificates that would be generated by the project and retiring them.	Low * Since this measure would generate electricity to match the excess consumption of the police building, any uncertainty associated with future grid emission factors is immaterial. * Typical output of rooftop solar panels can be fairly easily estimated (within a reasonable range). * Solar panels are likely to have reliable performance over time.
OPTION B: Install 120 kW photovoltaic system elsewhere on Bainbridge Island *Consider same capacity factor as for solar panels to Police/Court building as a conservative assumption for the lower range estimate*	As a new, previously unplanned project, this project would be additional. As with all the solar panel projects considered here, additionality is contingent on ensuring that PSE will not count the electricity generated by the panels towards its statewide renewable energy goals. This could be done by retaining any renewable energy certificates that would be generated by the project and retiring them.	Low * Since this measure would generate electricity to match the excess consumption of the police building, any uncertainty associated with future grid emission factors is immaterial. * Typical output of solar panels can be fairly easily estimated (within a reasonable range). * Solar panels are likely to have reliable performance over time.

OPTION C: Upgrade home heating systems to heat pumps (in private homes)	Additionality for this measure would be hard to guarantee, given that many households might undertake heat pump upgrades on their own, without additional assistance. This is commonly referred to as a "free rider" problem.	Medium * Since heat pumps would mostly result in electricity savings, some uncertainty associated with future grid emission factors would be eliminated (i.e. MWh saved could be compared to the excess MWh consumption of the policy building, without the need to consider emissions). * However, estimating each household's baseline and actual energy consumption would be subject to uncertainty.
OPTION D: Install 8kW Solar Roofs (on private property)	The additionality of this option could also be hard to guarantee, due to the potential for free riding. Significant outside incentives have been established for residential solar installations under the Inflation Reduction Act, for example, meaning that many Bainbridge Island households might undertake these installations in any case (and it would be difficult for a BI-led program to distinguish between those who would or would not have undertaken installations otherwise).	Low * Since this measure would generate electricity to match the excess consumption of the police building, any uncertainty associated with future grid emission factors is immaterial. * Typical output of rooftop solar panels can be easily estimated (within a reasonable range). * Solar panels are likely to have reliable performance over time.

OPTION E: Replace gasoline lawnmowers with electric mowers (for non-City entities/individuals)	A lawnmower replacement measure could be additional if undertaken in the near term. There is some potential for free riders, however, and this risk is likely to increase over time as electric equipment becomes more prevalent and cost-effective. If this measure is pursued, we would recommend accounting for emission reductions only over a 5-year period.	High * Some potential for free riders (so total additional reductions could be difficult to precisely quantify). * Emission reductions would depend greatly on how much the replaced mowers are used. * This measure will only reliably result in emission reductions if gasoline lawnmowers are scrapped (not just replaced and resold to other users). * Longevity of equipment could be hard to estimate, making reduction estimates uncertain. * It is not clear what the total potential is (i.e. what is the number of potentially replaceable mowers).

Range of total CO2e emissions saved* (metric tCO2_eq over building's lifetime) Compensation goal is: 274 tco2	Range of CO2e emissions/year saved (metric tCO2_eq/a)	Range of Estimated Costs (capital, O/M and programmatic)	Ease of Implementation (1 - very easy, 5 - very difficult)	Emission Factors used in calculation (metric tCO2_eq/kWh)	Estimated Duration (for how long will this option reduce emissions?)
Ranging from 45 metric tCO2_eq/lifetime with capacity factor of 11% per assumptions provided in column A. to 72 metric tCO2_eq/lifetime with capacity factor of 17% per assumptions provided in PSE's 2023 Electric Progress Report.	Ranging from 10 in 2024 to 0.68 in 2045. See lines 17 and 55 in tab ''PSE Data (Jens)''	$90K capital $500 / year cleaning Assumes 1600 sf @ 24kW AC	2	Ranging from 0.0002797 in 2024 to 0.0000190 in 2045. See line 17 in tab ''PSE Data (Jens)''	22 years average life expectancy of solar PV is 25 yrs
Ranging from 215 metric tCO2_eq/lifetime with capacity factor of 11% per assumptions provided in column A. to 348 metric tCO2_eq/lifetime with capacity factor of 17% per assumptions provided in PSE's 2023 Electric Progress Report. See lines 17 and 55 in tab ''PSE Data (Jens)''	Ranging from 50 in 2024 to 3.4 in 2045. See lines 17 and 55 in tab ''PSE Data (Jens)''	2020 estimated capital costs: $360k 2023 estimated capital cost of $600k $750 / year cleaning	2	Ranging from 0.0002797 in 2024 to 0.0000190 in 2045. See line 17 in tab ''PSE Data (Jens)''	22 years average life expectancy of PV 25 yrs

~10 tCO2 per upgrade (assuming 2024 start date and 15-year lifetime) ~5 to 8 upgrades needed to replace OPTION A.	Ranging from 1.6 tCO2 per upgrade in 2024 to 0.1 tCO2 per upgrade in 2045	$10-15,000 capital $0 maintenance cost (assumed to be bore by homeowner)	4	Ranging from 0.0002797 in 2024 to 0.0000190 in 2045. See line 17 in tab "PSE Data (Jens)"	20 years average life expectancy of HP is 20 years
14 to 23 tCO2 per upgrade 6 to 10 upgrades needed to replace OPTION A.	Ranging from 3.33 per installation in 2024 to 0.23 in 2045. See lines 17 and 55 in tab "PSE Data (Jens)"	$25K capital $0 / year cleaning Assumes 500 sf @ 8kW AC	4	Ranging from 0.0002797 in 2024 to 0.0000190 in 2045. See line 17 in tab "PSE Data (Jens)"	22 years average life expectancy of solar PV is 25 yrs

~25 tCO2 avoided over 5 years for each mower replaced, assuming heavy usage (600+ hours of operation per year) and scrapping of old mowers	Low confidence: Savings could be around 5 tonnes per year per lawn mower replaced - assuming high usage (e.g., equipment used by yard service companies)	$250 per mower (voucher)	4	Savings of 5.75 kg CO2 / acre mowed	7 -10 years average life expectancy of fossil fuel-powered lawnmowers

Leakage potential (will this only displace, not reduce emissions?)	One-time cost (for City)?	Does this impact the City's municipal financial and carbon budget (OR - Does this benefit a private entity)?	Does it affect electricity, or other source(s) of emissions?	Increasing Renewable Energy Supply or Reducing Electricity Use?	Leveraging Existing and Planned Programs (e.g., PSE or IRA).?	Equity Considerations/ Opportunities
Low	No - ongoing O&M costs	Municipal benefit	Electricity	Increasing renewable energy supply	Existing: PSE Community Solar, PSE Customer Connected Solar Planned: PSE C&I Roof-top Solar Incentive or Leasing	NA
Low	Yes - assuming O&M costs passed on to property owner	Community/property owner benefit	Electricity	Increasing renewable energy supply	Existing: PSE Community Solar, PSE Customer Connected Solar Planned: PSE Distributed Solar PPA	Could focus on properties that serve vulnerable populations (to be defined)

Low	Yes - limited duration program	Community/homeowner benefit	Electricity and other (propane, fuel oil, wood stoves)	May increase electricity use (with fuel switching) and decrease electricity use (with change from less to more efficient electric heating)	Existing: PSE Heating rebates and offers	Could be targeted to lower-income residents and/or housing authority properties
Low	Yes - limited duration program	Community/homeowner benefit	Electricity	Increasing renewable energy supply	Existing: PSE Customer Connected Solar Planned: PSE Residential Roof-top Solar Leasing	Could be targeted to lower-income residents and/or properties that serve vulnerable populations (to be defined)

Relatively high leakage potential, unless replaced gas powered mowers are permanently retired (scrapped)	Yes - limited duration program	Community/individual benefit	Other (gasoline)	May increase electricity use (with fuel switching)	Not clear, but presence of subsidies/rebates would further undermine additionality	Sliding scale rebate program could be used to address lower-income resident and/or housing authority properties

Excess Building Emissions

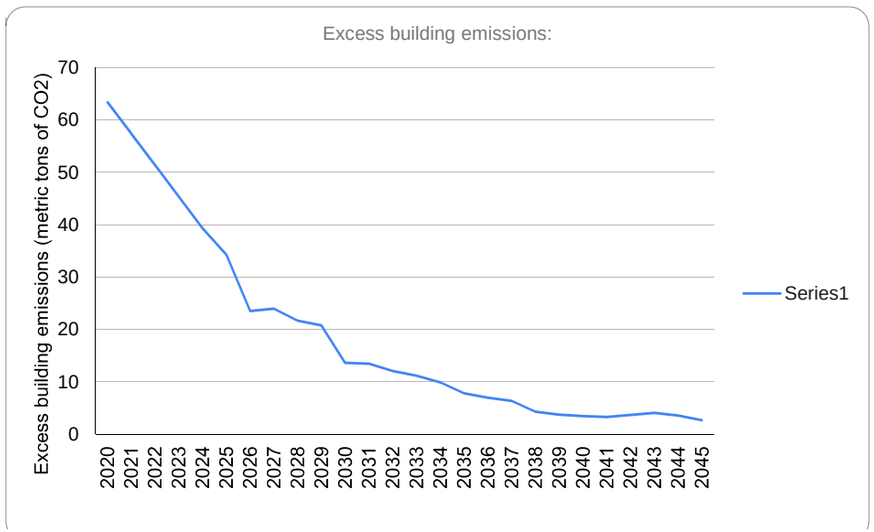
From O'Brien presentation:

480167	kBTU excess energy usage		
480.167	mmBtu		
3.412142	mmBtu/MWh		
140.7	MWh	2020	2024
993	lbs/MWh	0.45	0.28
139738	lbs CO2		
63.4	tonnes CO2		

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	0.45	0.41	0.37	0.32	0.28	0.24	0.17	0.17	0.15	0.15	0.10	0.10	0.09	0.08	0.07	0.06	0.05	0.05	0.03	0.03	0.02	0.02	0.03	0.03	0.03	0.02
Excess building emissions:	63	57	51	45	39	34	24	24	22	21	14	13	12	11	10	8	7	6	4	4	3	3	4	4	4	3

Start year: 2024

Cumulative total (2024-2045): 274 tonnes CO2



CITY OF BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill

MEETING DATE: May 9, 2023 **ESTIMATED TIME:** 20 Minutes

AGENDA ITEM: (8:35 PM) Direct the City Manager to Review City Sign Regulations, Municipal Code Chapter 15.08, specifically as it applies to Sandwich Board Signs and Temporary Signs, Consult with the Business Community, and Return to the City Council with Recommendations - Executive,

SUMMARY: The city's sign code is out of date and fails to conform to the 2015 Supreme Court decision of Reed v. Town of Gilbert, and subsequent court decisions. The 2015 Reed decision invalidated a local ordinance that treated signs differently based on their content. Following Reed, modifications to the sign ordinance were discussed by the City Council in a series of meetings in 2019. In 2020, in the context of the COVID pandemic, work on an ordinance to update the sign code did not start again. It is now proposed that work on this work resume.

The city sign code is overly complicated, making enforcement difficult. One of four stated purposes of the sign code is to create a more attractive economic and business climate. Aesthetics is a recognized justification for sign regulations. Recent complaints concerning the increase in sandwich board signs begin a community conversation about the aesthetics, safety, and the effectiveness of signs.

If the Council directs, staff will review the current sign code, consult with the business community, and report back to the Council with recommendations for action.

AGENDA CATEGORY: Discussion **PROPOSED BY:** Executive

RECOMMENDED MOTION: I move to direct the City Manager to review the Sign Regulations, Municipal Code Chapter 15.08, specifically as it applies to Sandwich Board signs and temporary signs, consult with the Business Community, and return to the City Council with recommendations.

COMMUNITY ENGAGEMENT AND OUTREACH: The Bainbridge Island Chamber of Commerce and the Bainbridge Island Downtown Association will be consulted.

FISCAL IMPACT:	
Amount:	
Ongoing Cost:	
One-Time Cost:	
Included in Current Budget?	

BACKGROUND: The City's sign code is out of date and fails to conform to 2015 U.S. Supreme Court decision of Reed v. Town of Gilbert, the 2015 decision that invalidated a local ordinance that treated signs differently based on their content. The sign code is overly complicated, specifically as it deals with sandwich board signs

on public rights-of-way. Enforcement is difficult. Modifications or a new sign ordinance was discussed by the City Council in a series of meetings in 2019. In 2020, due to the COVID pandemic, the city was not able to resume this work.

It is recommended that review of the sign code be re-initiated by directing the City Manager to review the sign code, consult with the business community, and provide recommendation to the City Council.

Bainbridge Island Municipal Code 15.08.010 lists four purposes of the sign code:

A. To promote and protect the public welfare, health and safety.

B. To encourage the installation of signs which harmonize with building design, natural settings and other geographical characteristics of the locations in which they are erected.

C. To create a more attractive economic and business climate.

D. To reduce distractions and obstructions form signs which would adversely affect traffic safety and reduce hazards that may be caused by signs overhanging or projecting over or within public rights-of-way.

Based upon unscientific observations, the number of temporary and sandwich board signs has increased significantly post COVID. Poorly regulated signs in a commercial district hurts business by creating clutter and overwhelming the visual environment that may deter potential customers from the area or noticing businesses. Visual clutter can hurt the "brand" of a community. Too many signs create a sense of competition among businesses in an area, which is counterproductive to the goal of attracting customers. and can make it difficult for customers to differentiate between businesses and make a decision where to go.

ATTACHMENTS:

Pictures of Signs Along Sidewalks and Public Right of Ways on Bainbridge Island.pdf

FISCAL DETAILS:

Fund Name(s):

Coding:

Signs along public right of way on High School Road heading towards State Highway 305



Signs along public right of way on High School Road heading towards State Highway 305



Signs at the corner of High School Road heading and State Highway 305 creating an accessibility hazard



Signs at the corner of Winslow Way and Madison Ave



Signs at the corner of Winslow Way and Madison Ave



Sign at the corner of Madison Ave and Winslow Way – Blocking sidewalk creating an accessibility hazard



Signs along sidewalk on Winslow Way facing west



Sandwich board signs along Winslow Way facing west piled together.



Signs at the corner and along right of way at Winslow Way and State Highway 305



Commercial sign on public property (Police headquarters) at Winslow Way and Olympic Drive



Signs at the corner of Olympic Drive and Winslow Way facing west.



Signs labeling the businesses at Coppertop Business Complex on Sportsman Club Road



A temporary sandwich board sign that is locked to a pole.



CITY OF BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill

MEETING DATE: May 9, 2023 **ESTIMATED TIME:** 10 Minutes

AGENDA ITEM: (8:55 PM) Consider Authorizing the City Manager to Prepare an Ordinance Amending BIMC Chapter 16.30, Pest Management and Pesticide Use, and Allow for Immediate Use of Low Toxicity Pesticides - Public Works,

SUMMARY: City staff is requesting that the City Council consider authorizing the City Manager to develop an ordinance amending BIMC Chapter 16.30, Pest Management and Pesticide Use, by revising the City's list of least toxic pesticide products in support of noxious weed removal and allowing for immediate use of low toxic pesticides.

AGENDA CATEGORY: Discussion **PROPOSED BY:** Public Works

RECOMMENDED MOTION: I move to authorize the City Manager to:
1. Prepare an Ordinance amending BIMC Chapter 16.30 Pest Management and Pesticide Use; and
2. Allow for immediate use of two (2) low to acutely toxic pesticides, Imazapyr and Triclopyr, for the 2023 Invasive Weeds Services contract.

COMMUNITY ENGAGEMENT AND OUTREACH: All public noticing requirements of BIMC 16.30.060 Public Notification, will be followed with the application of the prescribed herbicides. Signs will be posted at the sites 48 hours prior to application and shall remain in place for 24 hours thereafter.

FISCAL IMPACT:

Amount:	N/A
Ongoing Cost:	N/A
One-Time Cost:	N/A
Included in Current Budget?	Yes

BACKGROUND: In 2022, Kitsap County Noxious Weed Control Board terminated an interlocal agreement (ILA) with the City due to the vacancy of their Noxious Weed Control Program Coordinator. Under the ILA, Kitsap County was tasked with weed treatment services within the city boundaries. The City, in collaboration with the Bainbridge Island Cooperative Weed Management Area (CWMA), is seeking to supplement the gap in weed treatment services on the Island due to the termination of the ILA with Kitsap County to mitigate and control the spread of noxious weeds regulated by the State under Washington Administrative Code (WAC) Chapter 16-750.

City staff worked with the CWMA to identify the Waterfront Park and Lost Valley Trail sites as priority treatment areas, and the CWMA provided staff with recommendations for effective treatment of target noxious weed species, including Poison Hemlock and Japanese Knotweed (see project area map attached.) The proposed treatment methods include the use of non-glyphosate-based pesticides for selective and non-selective treatment, in-line with the current ban of the City's use of glyphosate products.

On April 5, 2023, staff issued an Invitation to Bid for 2023 Invasive Weed Treatment Services at the Lost Valley Trail and Waterfront Park sites. The proposed pesticides for effective treatment include, Imazapyr and Triclopyr, which are commonly used for treating noxious weeds in Kitsap County and have been used on Bainbridge Island by the Kitsap County Noxious Weed Control Program since before 2017.

Work under this contract is tentatively scheduled to commence early May of 2023 and is estimated to be completed within two weeks pending the outcome of a decision to use the prescribed treatments.

However, before the work can begin, the City Council would need to authorize use of the treatment products that are presently not permitted by the Municipal Code.

In 2003, the City Council passed Ordinance No. 2003-15 establishing policy, procedures, and practice for employees of the City relating to pest management and pesticide use, adding Chapter 16.30 to the Bainbridge Island Municipal Code (BIMC). BIMC Section 16.30.030(C) (see attached) limits the use of low toxicity products by City staff and prohibits the use of pesticides on City property or in city operations, with the exception of products on the Least Toxic Products List adopted by Resolution No. 2003-23. Imazapyr is a non-selective herbicide, whereas Triclopyr is a selective herbicide, and both are used to control various weed species. The proposed application methods vary and include foliar spraying, cut stem, and injection methods. Aerial/broadcast spraying will not be permitted. Fact sheets developed by the Washington State Department of Transportation are attached to this agenda bill.

In order for the City and CWMA to effectively control and mitigate the spread of noxious weeds regulated by WAC 16-750, staff recommends the City Council authorize the City Manager to:

1. Prepare an ordinance amending BIMC Chapter 16.30 to support the control of noxious weeds with the use non-glyphosate-based pesticide products; and

2. Allow for immediate use of two (2) low-toxicity pesticides, Imazapyr and Triclopyr, for the 2023 Invasive Weeds Services contract.

A letter of support for these actions from the Bainbridge Island Cooperative Weed Management Area is attached to this agenda item.

ATTACHMENTS:

Chapter 16.30 PEST MANAGEMENT AND.pdf

Project Area Exhibits.pdf

Letter to City Council re herbicide list.pdf

WSDOT_Herbicides-factsheet-Imazapyr.pdf

WSDOT_Herbicides-factsheet-Triclopyr.pdf

FISCAL DETAILS: N/A

Fund Name(s):

Coding: N/A

Chapter 16.30
PEST MANAGEMENT AND PESTICIDE USE

Sections:

16.30.010 Purpose.
16.30.020 Definitions.
16.30.030 Pest prevention and removal.
16.30.040 Emergency procedures.
16.30.050 Training, education, and implementation.
16.30.060 Public notification.
16.30.070 Record keeping.
16.30.080 Yearly report.

16.30.010 Purpose.

A. The city promotes environmentally sensitive building and landscape pest and vegetation management that preserves the city's building and landscape assets and protects the health and safety of the public and city employees. The city policy is to eliminate the use of pesticides on its property.

B. The city shall use the prevention of pest problems as its primary tool for landscaping, building maintenance and other pest management issues on city property. When pest problems occur, mechanical or biological methods shall be the preferred control methods. Least toxic pesticides shall be used only as a last resort when other options have been proven ineffective.

C. Since inception of the city to its current status as an island-wide entity, the city staff has reduced the amount and toxicity of the pesticides used in building maintenance and landscape management to a very minimal amount. It is the city's practice to continue to look for ways to reduce the toxicity and amount of hazardous materials used in all city operations, including pesticide usage in building management and landscape maintenance.

D. The listing of Puget Sound chinook salmon under the Endangered Species Act has heightened awareness of the impact that common practices have on the environment. Recent studies documenting the presence of pesticides in area streams and effects of pesticides on salmon point to the need for public agencies to serve as models of environmental stewardship in landscape management. (Ord. 2003-15 § 1, 2003)

16.30.020 Definitions.

As used in this chapter, the following terms have the following meanings:

A. "Pesticide" means any substance registered as a pesticide by the Washington State Department of Agriculture, including herbicides, insecticides, rodenticides and fungicides.

B. "High hazard pesticide" means any pesticide that does not meet the least toxic pesticide criteria in this chapter. (Ord. 2003-15 § 1, 2003)

16.30.030 Pest prevention and removal.

A. Prevention Techniques. Generally, all pest management techniques must avoid disrupting natural pest controls present and aim to suppress the pest population, not eliminate it. In many cases, a portion of the pest population must remain to sustain natural enemies. The city's first preference and most actively pursued method of pest and vegetation management on city property shall be the use of prevention techniques. Pest prevention techniques encourage the desired plants, animals, and other organisms and discourage unwanted ones. Prevention techniques and least toxic pest controls include:

1. Design and construction of indoor and outdoor areas to reduce the potential for pest habitats.

2. Good planting techniques, mulching, composting, irrigating, fertilizing, and use of native and pest-resistant plant species to avoid conditions where insects, undesirable plant species, disease and pests can develop into problem conditions.

3. Mechanical pest control techniques like hand pulling weeds, string trimming, flaming weeding (where practical and allowed), mowing, aeration and thatching, vacuum removal and hot water.

4. Increasing pest tolerance thresholds.

City staff shall continue to conduct and review research into alternative pest control methods to evaluate their effectiveness and potential for use on a city-wide scale.

B. Mechanical, Physical, and Other Alternative Pest Control Methods. To evaluate and address existing pest problems or problems that may develop on city property in spite of prevention techniques, all city departments shall follow the approach outlined below:

1. Monitor sites for optimal health and sanitation conditions.

2. Monitor populations of potential pests and their natural enemies to determine if and when control is needed.

3. Establish threshold levels of pests below which the population does not require control.

4. Use physical, mechanical, biological, and other alternative methods to keep pest numbers low enough to prevent intolerable damage or annoyance.

C. Use of Pesticides Products.

1. The city council shall adopt by resolution a least toxic products list for use by city staff.

2. Within six months after May 26, 2003, the city shall end all use of pesticides on city property or in city operations, with the exception of those on the least toxic products list adopted by resolution. The city council may periodically review the least toxic products list and, after receiving public comment, add products to that list that meet the criteria for least toxic pesticides in this chapter or delete products if new information becomes available indicating that the products do not meet those criteria. After the effective date of the ordinance codified in this chapter:

a. No routinely scheduled (i.e., monthly or weekly) pesticide applications shall be made by the city.

b. No pesticides shall be applied by the city within at least 100 feet (ground applications) and 200 feet (aerial applications) of a lake, stream, wetland, or groundwater recharge area; provided, that applications within 100 feet of a storm drain may be made in dry weather.

c. Insecticides containing least toxic products shall be used by the city only in containerized baits, or for spot treatments targeted to insect nests or problem areas where a minimal amount of material will be used.

D. Least Toxic Pesticide Criteria. Least toxic pesticides must meet all of the following criteria (all ingredients should be identified so that they can be screened using these tests):

1. Product contains no possible, probable, or known carcinogens:

a. Not classified as a known, likely, probable or possible carcinogen by the U.S. EPA;

b. Not classified as a known, likely, probable or possible carcinogen by the International Agency for Research on Cancer (IARC); and

c. Not listed by the state of California (Prop 65 list) or the National Toxicology Program as known or reasonably anticipated to be human carcinogen.

2. Product contains no reproductive toxicants (CA Prop 65 list).

3. Product contains no ingredients listed by Illinois EPA as known, probable, or suspect endocrine disruptors.

4. Active ingredient has soil half-life of 30 days or less (exception for minerals).

5. Active ingredient has extremely low or very low mobility in soils.

6. Product is not hazardous to fish or wildlife:

a. Not labeled as toxic to fish, birds, bees, wildlife, or domestic animals;

b. Not found in U.S. EPA Office of Pesticide Programs Reregistration Eligibility Decisions (REDs, IREDs and TREDs) to exceed a level of concern for fish, aquatic insects, aquatic and semi-aquatic plants, or wildlife; and

c. Product has not been detected in salmon waters at a level harmful to aquatic life.

7. Product is not acutely toxic to humans: product is not labeled as DANGER or POISON (toxicity Class I or II).

8. Product contains no nervous system toxicants (ingredients that are cholinesterase inhibitors and/or are listed as neurotoxic by the toxics release inventory).

9. Pesticide is not a restricted use pesticide.

E. Use of Chromated Copper Arsenate Treated Wood Products. The city and its contractors shall not purchase wood products treated with Chromated Copper Arsenate (CCA) preservatives for use by the city or for performance of work on city-owned property. (Ord. 2003-15 § 1, 2003)

16.30.040 Emergency procedures.

The city council may authorize the use of high hazard pesticide on city property or in city operations when the director of public works has determined that an emergency situation exists where there is a serious threat to public safety, health or the environment, and that the proposed use is a last resort after less toxic remedies have been tried without satisfactory result. Prior to the authorization the director of public works shall review in writing the following with the city council:

A. The nature of the problem, the reason for the declared emergency, and the need to use a high hazard pesticide.

B. Information received after consulting with toxicologists in agencies such as the Washington State Department of Health, the Washington State Department of Ecology and the university extension services to determine the least toxic and least persistent pesticide currently available to address the problem, and to ascertain the currently designated level of toxicity and level of persistence of the proposed pesticide.

C. Description of the specific high hazard pesticide, persistence in the environment (length of soil half-life), currently designated toxicity levels, and all known potential risks with regard to public health and safety, and/or to the environment.

D. Proposed date and method of application, notification and posting provisions, and specific steps that will be taken to minimize risks to human health and the environment.

E. An evaluation of all feasible alternatives including nonchemical and no action alternatives.

F. Any legal requirements that are applicable.

The city council shall approve or deny the use either on a one-time basis, or for a limited time to be specified by the council. (Ord. 2003-15 § 1, 2003)

16.30.050 Training, education, and implementation.

A. City staff involved in grounds and maintenance shall attend at least once a year available training in prevention and other pest management techniques outlined in this chapter if appropriate to their area of work. All other city staff shall receive educational materials about prevention of pest problems in the workplace.

B. The city shall designate a staff member to be responsible for the implementation of this chapter. (Ord. 2003-15 § 1, 2003)

16.30.060 Public notification.

Within 120 days of May 26, 2003, any city department that uses any pesticide shall comply with the following notification procedures:

A. Notification signs shall be posted at least 48 hours prior to any pesticide application. Signs shall remain in place for at least 24 hours after pesticide application. Signs shall be posted at the treatment site, at a central area in the building, and at every point if the pesticide is applied in an enclosed area, and in highly visible locations around the perimeter of the application area if the pesticide is applied in an open area. If the application is to a linear landscape, such as along a path or roadside, signs shall be posted at 100-foot intervals.

B. Notices shall begin with a header containing the signal word from the pesticide label alongside the words “pesticide application.” For example, “WARNING: PESTICIDE APPLICATION.” Notices shall be at least eight and one-half inches by 11 inches, and shall include the following information: the pesticide’s active ingredient; the date and time of pesticide application; the area treated; the rate of application; the name and phone number of the contact person for the application; the name and phone number of the responsible party where the pesticide label and material safety data sheets may be obtained; and a boxed-off warning stating: “CAUTION: Individuals taking medication, pregnant women, infants, children, and individuals with respiratory or heart disease, chemical sensitivities, or weakened immune systems may be particularly susceptible to adverse health effects due to pesticide exposure.”

C. The city shall notify the public prior to any aerial pesticide application via notices in the city's newspaper of record and with postings, the content of which meets the above requirements. Notices shall be posted throughout the area affected by the aerial application. If an immediate pesticide application of any kind is necessary for the protection of public health, signs meeting the requirements of this section shall be posted.

D. The pre-notification and pre-posting requirements of this section do not apply to any application of allowable products for control of any pest that poses an immediate human health or safety threat. When such an application is made notification and posting consistent with the city's notification system shall occur as soon as possible after the application. (Ord. 2003-15 § 1, 2003)

16.30.070 Record keeping.

The city shall maintain publicly accessible information with records of pesticides used by all departments. The information recorded shall include the date and location of the application; the product name, active ingredient and EPA registration number; the target pest; the quantity applied and the applicator. (Ord. 2003-15 § 1, 2003)

16.30.080 Yearly report.

On a yearly basis in the fall at a public meeting of the city council, a report shall be presented which includes quantities of each pesticide product (measured as ready-to-use) applied during the previous year, evaluates how well its pest prevention and control objectives are being met, assesses how well the city is complying with this chapter, and identifies areas where improvement may be needed. The report shall be made available to the public upon request and shall be posted on the city web site. (Ord. 2003-15 § 1, 2003)

Mobile Version

EXHIBIT A - WATERFRONT PARK WEED CONTROL PROJECT AREA

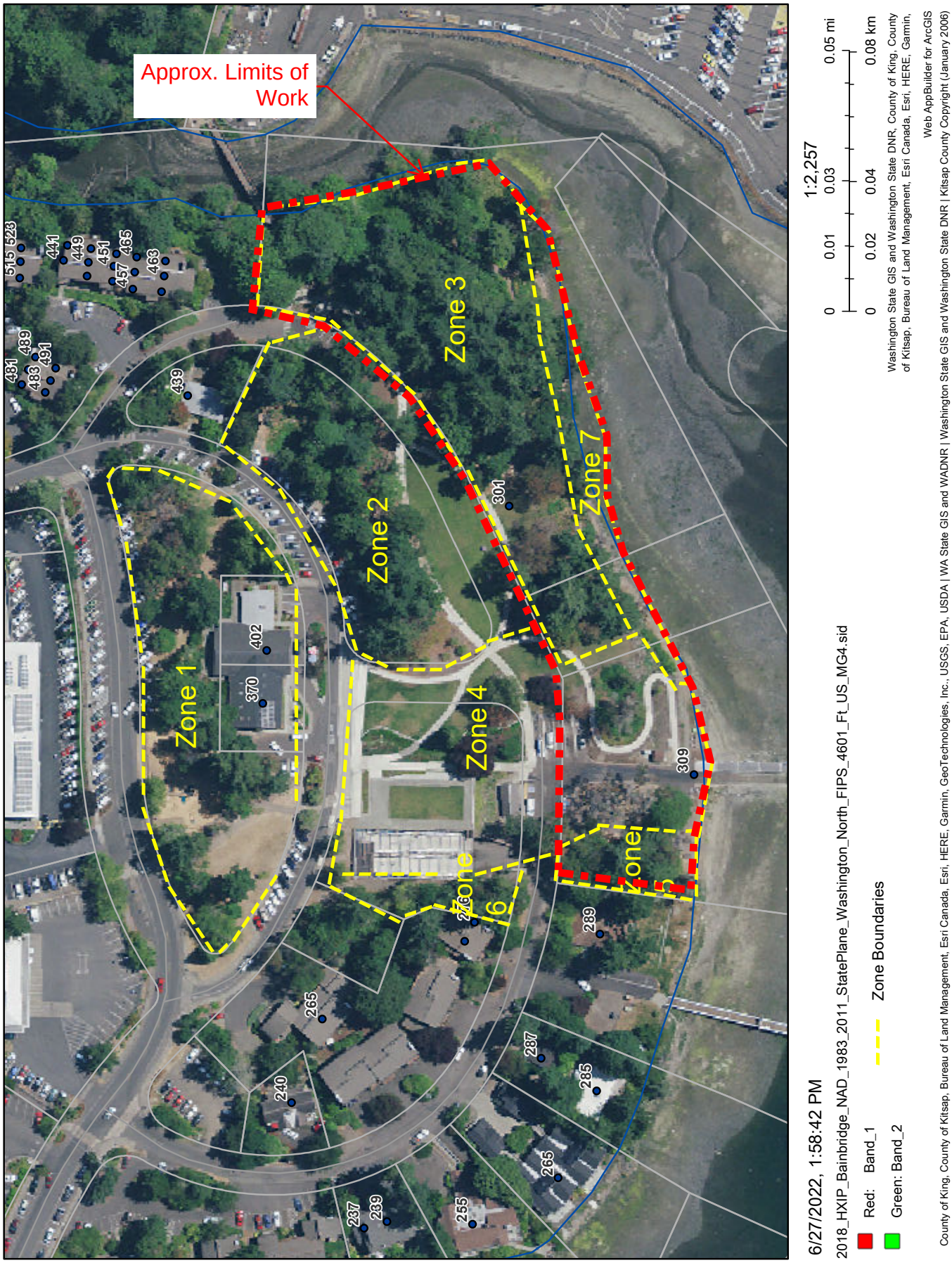
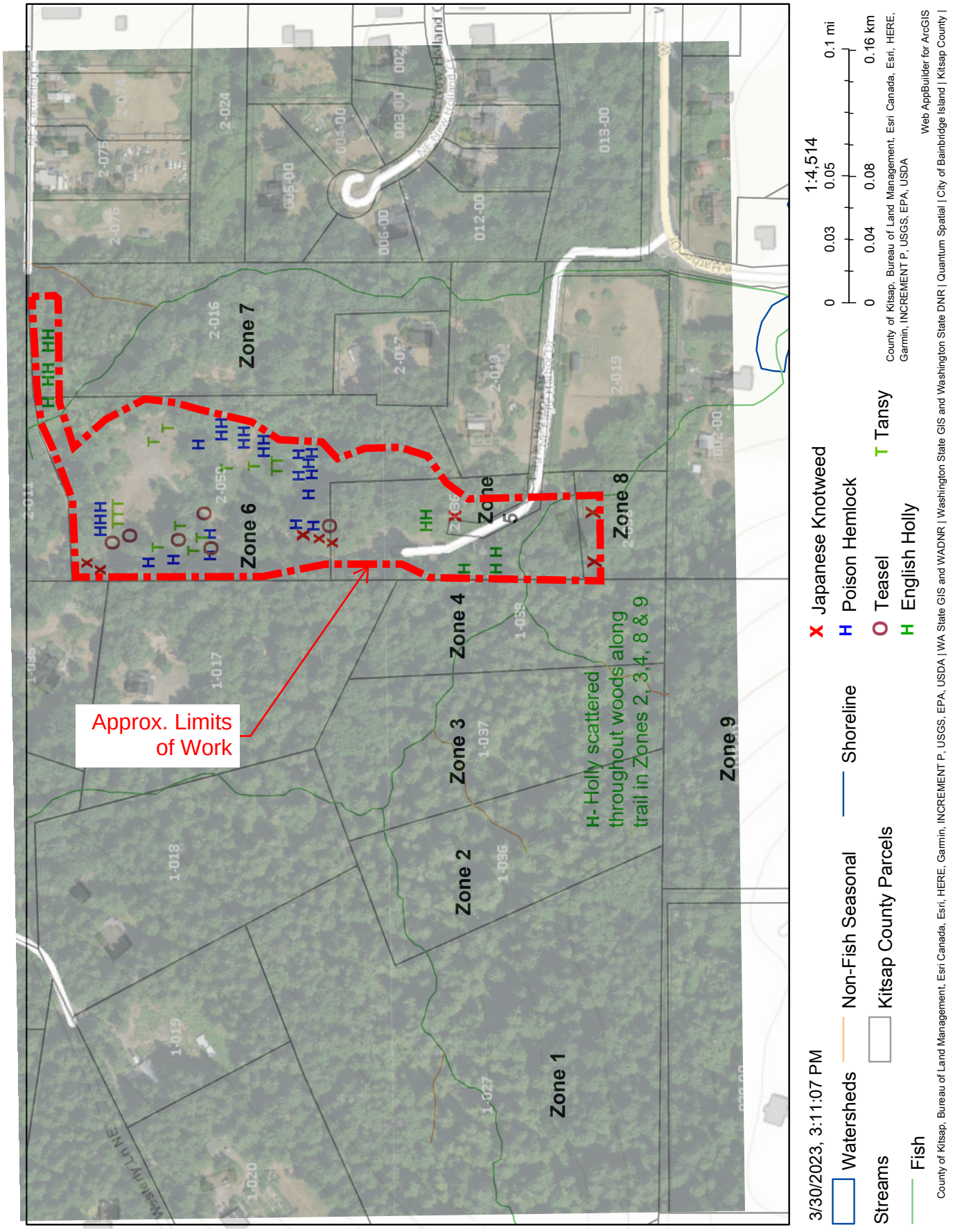


EXHIBIT B - LOST VALLEY WEED CONTROL PROJECT AREA



Bainbridge Island
Cooperative Weed Management Area

April 28, 2023

City of Bainbridge Island

Bainbridge Island Metropolitan Parks and Recreation District

Bainbridge Island School District No. 303

Bainbridge Island Land Trust

Bainbridge Island Parks & Trails Foundation

Sustainable Bainbridge

Friends of the Farms

Bloedel Reserve

IslandWood

Dear Bainbridge Island City Council Members,

The Bainbridge Island Cooperative Weed Management Area (CWMA) respectfully urges you to approve the proposed amendment to Ordinance 2003-15 relating to pesticide use. The amendment would expand and update allowable chemicals to reflect advances made in development of safer chemicals and knowledge gained about best practices.

The CWMA supports the City's 2003 ordinance and the concepts behind the "least-toxic pesticides list" regulating harmful chemicals for the treatment of pests, diseases and invasive species on our city properties. Twenty years ago, when the ordinance was adopted, improper use of pesticides across the country and on our island, including over application, incorrect chemical choices, and off target damage to native flora and fauna, warranted immediate action by the City to curb excessive chemical use. These same concerns regarding pesticide use and desire to protect our natural environment and the various native flora and fauna on the island continue through today.

Over the past two decades, though, several changes have warranted an update to the City's least toxic pesticides list including:

- New products have emerged on the market as a result of research and development with lower toxicity and lower required application rates;
- Expanded knowledge of effectiveness of certain chemicals on specific invasive weed species, and treatment techniques;
- The presence of invasive weed species infestations on Bainbridge Island has risen sharply, increasing the threat of habitat degradation and water quality on our island. Certain invasive weed species now growing on our island are simply not controllable using chemicals on the 2003 list.

Within the ecological restoration field, since 2003, field research has been conducted to determine most effective treatment formulations, chemical concentrations, application rates, and application timing for specific invasive species resulting in less overall chemical use. In addition, new aquatic safe formulations of herbicides have been developed allowing for reduced negative impacts to fish species in aquatic environments. Many of the "less toxic" chemical alternatives have since been found to be significantly less

effective (if at all) on many of the invasive species threats we face on Bainbridge Island. This has sometimes resulted in increased application rates, defeating the purpose of using "less toxic" alternatives. While some of these alternatives can be effectively used on private property and/or small infestations, the invasive species challenge the island now faces is significantly greater than what it once was.

The CWMA supports the use of Integrated Pest Management, which prioritizes manual and mechanical weed removal techniques over pesticide/herbicide use. In some cases, however, where manual and mechanical techniques are not practical, such as with invasive species that are immune to mechanical and manual approaches (and, depending on the species, can even spread more readily when these approaches are used, e.g., mowers spread Japanese knotweed, garlic mustard and bindweed along city roadways), where the scale of the infestation renders such approaches ineffective, or in situations where such approaches would cause significant damage to the local environment (i.e. critical slopes, saturated soils, or sites with extensive native vegetation), the use of the appropriate herbicide applied at the correct time and dosage should be allowed, and, when appropriate, used in conjunction with manual and mechanical techniques.

Under Ordinance 2003-15, aquatic safe formulations of triclopyr and imazapyr are prohibited from being used, effectively hamstringing efforts to control the invasive species threat to the island and consequently causing inadvertent harm to our natural ecosystems by allowing these species to go unchecked.

An updated invasive weed control "toolbox" that includes these newer, safer chemical formulations will not only save the City and the Bainbridge Island taxpayers money by decreasing the amount of chemical needed and the number of staff or amount of contractor time needed to control infestations, it will also result in improved outcomes—both in terms of weed control effectiveness and habitat recovery. Some of our CWMA members, including the Bainbridge Island Land Trust and the Bainbridge Island Metropolitan Parks and Recreation District, already use the proposed herbicides in conjunction with Integrated Pest Management plans and best practices with notable success. By using a mix of manual, mechanical, biological, ***and*** chemical approaches they have been able to successfully control invasive species populations on their properties and have begun the re-establishment of native plant communities on lands once dominated by invasive weed species. Once the invasive species populations are under control, manual and mechanical techniques can then be used more effectively.

The CWMA proposes including the following limited list of aquatic-safe[1] herbicide formulations to the City's amended "least-toxic pesticides list". The CWMA also proposes the approval of a non-aquatic safe formulation of Imazapyr used in the EZ-Ject lance system, as the EZ-ject lance shells used are self-contained, nearly eliminating the potential for off target damage to surrounding flora and fauna.

All of these chemicals currently do not qualify for acceptance under the "Least Toxic Pesticide Criteria" as described in Ordinance 2003-15 for use on city properties and by city staff. However various CWMA members have successfully used them on their own properties to succesfully control invasive species and restore native vegetation when used as part of an Integrated Pest Management Plan (typically in the form of pretreatment mowing and follow up manual work parties):

Triclopyr – product name Garlon 3a

> A broad leaf specific herbicide. This allows for control for various invasive species such as Himalayan blackberry (class C noxious weed), garlic mustard (a Class A noxious weed recently established on the Island), bull thistle (class C noxious weed), and scotch broom (Class B noxious weed) in grassy areas.

[1] aquatic formulations can be used in situations where saturated soils exist and are least likely to cause environmental damage

Grasses are immune to Imazapyr, so only the invasive species die in treatment sites and the surrounding grass is unaffected. No dead spots would be visible post treatment.

Imazapyr – product name Polaris (for aquatic safe formulation), Copperhead (for EZ-Ject shells (explained further below))

Also a broad spectrum herbicide; however, some invasive species are relatively immune to glyphosate or require high amounts of glyphosate to control. By using imazapyr, less overall amounts of product would be needed for foliar applications reducing the amount of chemical product used.

In EZ-Ject shells, the herbicide is in crystal form inside the shell. When the lance injects the shell into the base of the plant, the plant's own sap slowly liquifies the herbicide, drawing it directly into the roots of the plant. As the system is self-contained there is near zero risk of herbicide exposure to the public, the applicator, or the wildlife. The Bainbridge Island Land Trust has used it to successfully treat large mature hollies, laurels, old growth tree, and other large woody species freeing up staff and volunteers to focus on smaller and easier to remove invasives. The herbicide is completely contained within the plant, breaking down as the plant breaks down. The Land Trust has studied the system on its own properties and has found no evidence of the herbicide leaking out to the surrounding environment and impacting adjacent vegetation.

The CWMA recognizes that herbicide alone is not the solution to the invasive species threats to the island. It needs to be used judiciously and only in conjunction with a strong Invasive Vegetation Management Plan. However, in the light of climate change, the rise of new invasive threats since the 2003 ordinance was passed (such as Japanese knotweed, garlic mustard, and shiny geranium), and the spread of existing invasive plant populations like Himalayan blackberry, scotch broom, English ivy, and English Holly, the current list of permitted chemicals will not achieve protection of Bainbridge Island's natural landscape and ecosystems. The City of Bainbridge Island must also adapt and change to the new threats and allow for additional tools to be available to tackle these threats. Herbicide should always be approached with utmost caution, restraint, and be the choice of last resort, but these two additional herbicides should be a permitted tool in the management of invasive species on city lands when applied by WSDA licensed applicators.

The CWMA appreciates the City Council's consideration and adoption of this proposed amendment.

Sincerely,

Cyndy Holtz, Ad Hoc Chair
Bainbridge Island Cooperative Weed Management Area

Washington State Department of Transportation



Imazapyr

Roadside Vegetation Management Herbicide Fact Sheet

This fact sheet was developed by Oregon State University and Intertox, Inc. to assist interested parties in understanding the risks associated with pesticide use in Washington State Department of Transportation's (WSDOT) Integrated Vegetation Management program. WSDOT updated in 2017 to reflect current products and usage.

Introduction

Imazapyr is an imidazolinone herbicide used to control grasses, broadleaves, vines, brambles, brush, and trees. Imazapyr disrupts an enzyme (found only in plants) necessary for protein synthesis, and interferes with cell growth and DNA synthesis in plants. The isopropyl amine salt of imazapyr is the only active ingredient (28.7%) in the herbicides **Arsenal, Habitat and Polaris**. Imazapyr is combined with aminocycloprachlor and metsulfuron in the herbicide **Viewpoint** and combined with diuron to make up **Imazuron. Habitat** is labeled for use in aquatic environments. The Washington State Department of Transportation (WSDOT) is considering the future use of **Arsenal** for non-selective weed and brush control and **Habitat** for non-selective control of weeds growing near surface water.

WSDOT assessed the potential risks to human, wildlife, and aquatic animals exposed to imazapyr in their Integrated Vegetation Management (IVM) program. Evaluating potential risks takes into account both the toxicity of a pesticide and the characteristics of possible exposure.

Laboratory Testing: Before pesticides are registered by the U.S. Environmental Protection Agency (EPA), they must undergo laboratory testing for short-term (acute) and long-term (chronic) health effects. Laboratory animals are purposely fed doses high enough to cause toxic effects. These tests help scientists determine how chemicals might affect humans, domestic animals, or wildlife in cases of overexposure. Pesticide products used according to label directions are unlikely to cause toxic effects. The amount of pesticide that people and pets may be exposed to is low compared to the doses fed to laboratory animals.

WSDOT Application Rates and Use Patterns on Highway Rights-of-Way

WSDOT is currently evaluating the use of **Arsenal** and **Habitat** for maintenance of a bare ground strip at the edge of pavement. If used by WSDOT in the future, **Arsenal** and **Habitat** would be applied at 3.5 to 5.2 pounds of product—or a maximum of about 1.5 pounds of imazapyr—per acre. Applicators would use truck mounted booms placed 18" above the ground to make a single application of imazapyr in the spring.

Human Health Effects

The U.S. Environmental Protection Agency (EPA) classifies **Arsenal** and **Habitat** as category III (Low Toxicity) with a signal word of CAUTION (see "Toxicity Category and Signal Word" table).

Acute toxicity: Imazypyr has low toxicity if individuals get residues on their skin, and very low toxicity if it is eaten or inhaled. Imazypyr was not irritating to rabbit eyes, but was mildly irritating when applied to the skin. Imazypyr did not produce sensitization in guinea pigs.

Chronic toxicity: Mice fed imazapyr for two years developed fluid accumulation in the lungs and increased incidence of kidney cysts. Rats fed imazapyr for two years developed abnormal blood formation in the spleen, increased blood pooling in theliver, an increase in thyroid cysts, and a decrease in food efficiency. Most of these data were not considered significant by U.S. EPA. There was no information on either study describing exposure dose.

Reproductive effects: In a 2-generation reproductive study conducted in rats, no treatment-related effects were seen in parents or offspring at any of the doses tested. In other studies, there were no maternal, reproductive, or developmental effects in rats and rabbits exposed to imazapyr during pregnancy.

LD50/LC50: Acute toxicity is commonly measured by the lethal dose (LD) or lethal concentration (LC) that causes death in 50 percent of treated laboratory animals. LD50 indicates the dose of a chemical per unit body weight of an animal and is expressed as milligrams per kilogram (mg/kg). LC50 is the concentration of a chemical per volume of air or water and is expressed as milligrams per liter (mg/L). Chemicals are highly toxic when the LD50 or LC50 value is small and practically nontoxic when the value is large. However, the LD50 and LC50 do not reflect potential health effects such as cancer, birth defects, or reproductive toxicity that may occur at levels of exposure below those that cause death.

Carcinogenic effects: Imazapyr is considered not likely to be a human carcinogen by U.S. EPA.

Fate in humans and animals: Rats rapidly excrete imazapyr unchanged in urine and feces. Imazapyr does not bioaccumulate (build up) in mammals.

Wildlife and Aquatic Effects

Effects on mammals: Imazapyr is practically non-toxic to mammals based on an acute oral LD50 of >5,000 mg/kg in rats. Acute dermal toxicity of >2,000 mg/kg was reported in rabbits.

Effects on birds: Imazapyr is practically non-toxic to birds. Oral LD50 values of >2,150 were reported for both quail and duck.

Wildlife Toxicity Category

Risk Category	Mammals	Birds	Fish or Aquatic Insects
	Acute Oral or Dermal LD_{50} (mg/kg)	Acute Oral LD_{50} (mg/kg)	Acute LC_{50} (mg/L)
Practically nontoxic	>2,000	>2,000	>100
Slightly toxic	501-2,000	501-2,000	>10-100
Moderately toxic	51-500	51-500	>1-10
Highly toxic	10-50	10-50	0.1-1
Very highly toxic	<10	<10	<0.1

[1]Highlighted categories specify the range for imazapyr cited in this fact sheet. The toxicity of imazapyr to wildlife receptors varies by species.

Toxicity Category and Signal Word

	High Toxicity (*Danger*)	Moderate Toxicity (*Warning*)	Low Toxicity (*Caution*)	Very Low Toxicity (*Caution*)
Oral LD50	Less than 50 mg/kg	50-500 mg/kg	500-5000 mg/kg	Greater than 5000 mg/kg
Dermal LD50	Less than 200 mg/kg	200-2000 mg/kg	2000-5000 mg/kg	Greater than 5000 mg/kg
Inhalation LC50	Less than 0.05 mg/l	0.05-0.5 mg/l	0.5-2.0 mg/l	Greater than 2.0 mg/l
Eye Effects	Corrosive	Irritation persisting for 7 days	Irritation reversible in 7 days	Minimal effects, gone in 24 hrs
Skin Effects	Corrosive	Severe irritation at 72 hours	Moderate irritation at 72 hours	Mild or slight irritation

Note: Highlighted categories specify the range for imazapyr cited in this fact sheet.

Effects on fish: The reported acute toxicity LC50 concentration for rainbow trout, bluegill sunfish, and channel catfish is >100 mg/L based on product registrant studies with technical grade imazapyr using standard 96-hr exposure studies. Tests were also conducted with the Atlantic silverside to address the potential toxicity of imazapyr to marine fish. In those tests the highest concentration tested was 184 mg/L, which yielded no significant toxicity (mortality). A summary report by USDA reported an LC50 of <100 mg/L for fish. On these bases, imazapyr would be characterized as practically non-toxic to slightly toxic to fish.

Half-life is the time required for half of the compound to degrade.

1 half-life = 50% degraded
2 half-lives = 75% degraded
3 half-lives = 88% degraded
4 half-lives = 94% degraded
5 half-lives = 97% degraded

Remember: the amount of a chemical remaining after a half-life will always depend on the amount of the chemical originally applied.

Effects on aquatic insects: Imazapyr would be considered slightly toxic to practically non-toxic to invertebrates based on the results from a range of invertebrate species. The reported acute toxicity LC50 concentration for the water flea *Daphnia magna* is >100 mg/L. One study where Arsenal was applied with a surfactant (not defined) with *Daphnia magna* yielded a 48-hr LC50 of 350 mg-Arsenal/L.

Environmental Fate

A typical half-life for imazapyr in soils is 10 days (see "Half-life" text box). Microbes and sunlight break down imazapyr in the environment. Imazapyr's potential to leach to groundwater is high; surface runoff potential is high, and potential for loss on eroded soil is intermediate. Imazapyr has low volatility and the potential for loss to the atmosphere is low. Imazapyr does not bioconcentrate (build up) through the food chain. Plants take up imazapyr through the leaves and roots. Imazapyr is translocated (moved throughout) to other plant parts.

Human Health Risk Assessment

WSDOT evaluated several human exposure scenarios, including workers applying herbicides and the public (adults and children) picking and eating drift-contaminated berries, eating drift-contaminated garden vegetables, and walking through sprayed vegetation. For each exposure scenario, WSDOT evaluated conditions of average exposure and extremely conservative conditions of maximum exposure (see "Human Cancer/Non-cancer Risk Classification" text box and "Human Risk Classification for Average Exposure Scenarios" table).

Imazapyr is expected to pose negligible potential risks of adverse non-cancer effects to WSDOT workers and the public under conditions of average and maximum exposure. All hazard quotients are below 1. Imazapyr is not regulated as a carcinogen.

Human Cancer/Non-cancer Risk Classification: Scientists estimate non-cancer health risks by generating a hazard quotient (HQ). This number is the exposure divided by the toxicity. When the HQ is less than 1, exposures are unlikely to cause any adverse health effects. When the HQ is greater than 1, the potential for non-cancer health effects should be considered. Risk assessments for chemicals that cause cancer (carcinogens) estimate the probability of an individual developing cancer over a lifetime. Cancer risks estimated in this way are very conservative, and actual cancer risks are likely to be much lower. Cancer risk estimates of less than 1 in 100,000 are within the range considered negligible by most regulatory

Wildlife Risk Assessment

Wildlife risk assessment considers herbicide behavior in the environment and routes of exposure. Indirect exposure to mammals and birds can occur when they eat contaminated prey or vegetation. Direct exposure can occur when mammals and birds contact herbicide residues with their skin or eyes or when they inhale vapors or particulates. WSDOT's proposed application rates and use patterns for imazapyr would be expected to pose an insignificant risk to mammals. The estimated dietary exposures to rats, mice, and meadow vole from maximum label application rates would be 3,600, 420 and 550-fold lower, respectively, than the acute dietary LD50 for

Human Risk Classifications for Average Exposure Scenarios

Hazard Quotient (Non-cancer Risk)	Cancer Risk	Potential Risks and Management Priority
Less than 1	Less than 1 in 100,000	**Negligible**
Between 1 and 10	Between 1 in 10,000 and 1 in 100,000	**Low**
Between 10 and 100	Between 4 in 1,000 and 1 in 10,000	**Moderate**
Greater than 100	Greater than 4 in 1,000	**High**

Note: Highlighted categories specify the range of potential risk for specific exposure scenarios involving imazapyr.

imazaypyr. The estimated dietary exposures of imazaypyr to quail, marsh wren, and American robin from WSDOT's proposed application practices would be 970, 110, and 85-fold lower, respectively, than the acute dietary LD50 for bobwhite quail. These estimated dietary exposures are considered insignificant for quail and low for wren and robin.

Aquatic Risk Assessment

WSDOT takes extra precautions applying herbicides near open water, wetlands, and wellhead protection zones. However, contamination may result from application drift, rainfall runoff, or residue leaching through the soil into groundwater. Fish and aquatic insect exposure to imazapyr occurs primarily through direct contact with contaminated surface waters and sediment. Imazapyr is highly persistent in soil but breaks down relatively quickly in water. The estimated risks to fish and aquatic invertebrates from imazapyr applied at levels established by WSDOT is low in the Columbia Plateau and Blue Mountain regions and slight in the other six regions of the state.

Additional Resources

- National Pesticide Information Center 1-800-858-PEST (7378) and http://npic.orst.edu
- Washington State Department of Transportation, Roadside Maintenance Branch 1-360-705-7865
- Washington Department of Agriculture, Pesticide Management Division 1-877-301-4555 (toll free)

Washington State Department of Transportation



Triclopyr

Roadside Vegetation Management Herbicide Fact Sheet

This fact sheet was developed by Oregon State University and Intertox, Inc. to assist interested parties in understanding the risks associated with pesticide use in Washington State Department of Transportation's (WSDOT) Integrated Vegetation Management program. WSDOT updated in 2017 to reflect current products and usage.

Introduction

Triclopyr is an herbicide that controls woody plants and broadleaf weeds. Triclopyr mimics a plant growth hormone and causes uncontrolled and disorganized plant growth that leads to plant death. Triclopyr is the active ingredient in the herbicide product **Garlon 3A, Garlon 4, Element 3A, Element 4** and **Vastlan.** Triclopyr is combined with 2,4-D in **Crossbow** and is combined with Aminopyralid in **Capstone.** Triclopyr is used by the Washington State Department of Transportation (WSDOT) along right-of-ways primarily for the control of brush and small undesirable trees. This product is also commonly used in forestry, on industrial lands, rangelands, and parklands for selective control of both woody and broadleaf plants.

WSDOT assessed the potential risks to humans, wildlife, and aquatic animals exposed to triclopyr in their Integrated Vegetation Management (IVM) program. Evaluating potential risks takes into account both the toxicity of a pesticide and the characteristics of possible exposure.

Laboratory Testing: Before pesticides are registered by the U.S. Environmental Protection Agency (EPA), they must undergo laboratory testing for short-term (acute) and long-term (chronic) health effects. Laboratory animals are purposely fed doses high enough to cause toxic effects. These tests help scientists determine how chemicals might affect humans, domestic animals, or wildlife in cases of overexposure. Pesticide products used according to label directions are unlikely to cause toxic effects. The amount of pesticide that people and pets may be exposed to is low compared to the doses fed to laboratory animals.

Application Rates and Use Patterns on Highway Rights-of-Way

Typical rights-of-way application rates for Triclopyr range from 64 to 128 ounces of product per acre, or a maximum of about 4 pounds of active ingredient per acre. Applicators use truck-mounted handguns, hose reels, or side booms to apply Garlon from April to November. WSDOT workers applied about 1,470 pounds of triclopyr statewide during 2016.

Human Health Effects

The U.S. Environmental Protection Agency (EPA) classifies Garlon 4, Element 4 as toxicity class III (low toxicity) with a signal word of CAUTION. Vastlan has the signal word WARNING and is considererd a class IV (acute toxicity). They classify Garlon 3A, Element 3A as toxicity class I (high toxicity) with a signal word of DANGER.

Acute toxicity: Triclopyr has low toxicity if individuals accidentally eat, touch, or inhale residues. Triclopyr is slightly irritating to the eyes, nonirritating to the skin, and causes skin sensitization. The herbicide formulation Garlon 3A may cause irreversible damage to the eyes.

Chronic toxicity: Triclopyr caused only slight changes in kidney weight and pigment deposition when fed to rats and dogs for one or two years at moderate doses. It caused changes in body weight, urine parameters, and thymus size when fed to mice for 2 years at moderate to high doses.

Toxicity Category and Signal Word

	High Toxicity (*Danger*)	Moderate Toxicity (*Warning*)	Low Toxicity (*Caution*)	Very Low Toxicity (*Caution*)
Oral LD50	Less than 50 mg/kg	50-500 mg/kg	500-5000 mg/kg [1]	Greater than 5000 mg/kg
Dermal LD50	Less than 200 mg/kg	200-2000 mg/kg	2000-5000 mg/kg	Greater than 5000 mg/kg
Inhalation LC50	Less than 0.05 mg/l	0.05-0.5 mg/l	0.5-2.0 mg/l	Greater than 2.0 mg/l
Eye Effects	Corrosive [2]	Irritation persisting for 7 days	Irritation reversible in 7 days	Minimal effects, gone in 24 hrs
Skin Effects	Corrosive	Severe irritation at 72 hours	Moderate irritation at 72 hours	Mild or slight irritation

[1]Highlighted categories specify the range for triclopyr use cited in this fact sheet.
[2]The High Toxicity classification is specific to the triclopyr formulation in Garlon 3A; it is severely corrosive to the eyes.

Reproductive effects: Triclopyr did not affect reproduction, growth, or survivability of the offspring when fed to rats over three generations at moderate doses. Higher doses of triclopyr caused decreases in litter size, weight gain, and survivability in the pups of rats fed for two generations. The offspring of laboratory rats exposed to triclopyr during pregnancy showed some delay in bone formation but no other birth defects. In rabbits fed high doses, offspring showed some decrease in body weight and survivability and increases in skeletal changes.

Carcinogenic effects: Rats fed triclopyr in the diet for two years at moderate doses showed no increase in the number of tumors. It caused an increase in lung tumors in mice fed high doses. The EPA lists triclopyr as a Group D human carcinogen (not classifiable as to human carcinogenicity).

Fate in humans and animals: Animals rapidly eliminate triclopyr in the urine. At high oral doses, animals eliminate some triclopyr in the feces. Half-lives for elimination of triclopyr from mammals are 14 hours (dog) and <24 hours (monkeys). The half-life in humans is approximately 5 hours.

LD50/LC50: Acute toxicity is commonly measured by the lethal dose (LD) or lethal concentration (LC) that causes death in 50 percent of treated laboratory animals. LD50 indicates the dose of a chemical per unit body weight of an animal and is expressed as milligrams per kilogram (mg/kg). LC50 is the concentration of a chemical per volume of air or water and is expressed as milligrams per liter (mg/L). Chemicals are highly toxic when the LD50 or LC50 value is small and practically nontoxic when the value is large. However, the LD50 and LC50 do not reflect potential health effects such as cancer, birth defects, or reproductive toxicity that may occur at levels of exposure below those that cause death.

Wildlife and Aquatic Effects

Effects on mammals: Triclopyr is slightly toxic to mammals. The rat LD50 ranges from 630 milligrams per kilogram (mg/kg) to 729 mg/kg. The LD50 for rabbits is 550 mg/kg and for guinea pig is 310 mg/kg. The LD50 for alternate formulations of triclopyr is greater than 2,000 mg/kg. The LD50 for rabbits exposed by skin contact is greater than 4,000 mg/kg.

Effects on birds: Triclopyr is practically nontoxic to birds. The LD50 for mallard ducks is 1,698 mg/kg and for bobwhite quail is 2,935 mg/kg. The LC50 for birds fed triclopyr for 8 days are >5,600 mg/kg (mallard), 2,935 mg/kg (bobwhite quail), and 3,278 mg/kg (Japanese quail).

Effects on fish: Triclopyr is practically non-toxic to highly toxic to fish depending on the formulation. Triclopyr has a LC50 of 117 mg/L in rainbow trout and 148 mg/L in bluegill sunfish

Wildlife Toxicity Category

Risk Category	Mammals	Birds	Fish or Aquatic Insects
	Acute Oral or Dermal LD_{50} (mg/kg)	Acute Oral LD_{50} (mg/kg)	Acute LC_{50} (mg/L)
Practically nontoxic	>2,000	>2,000	>100
Slightly toxic	501-2,000 [1]	501-2,000	>10-100
Moderately toxic	51-500	51-500	>1-10
Highly toxic	10-50	10-50	0.1-1 [2]
Very highly toxic	<10	<10	<0.1

[1]Highlighted categories specify the range for triclopyr use cited in this fact sheet.
[2]Toxicity of triclopyr to fish is highly dependent on the specific form of the chemical.

after 96 hours of exposure to the triclopyr and its amine salt formulation. Triclopyr in the ester formulation has an LC50 of 0.74 mg/L for rainbow trout and 0.87 mg/L for bluegill sunfish after 96 hours of exposure.

Effects on aquatic insects: Triclopyr amine salt is practically non-toxic to aquatic (water) insects.

Environmental Fate

The half-life of triclopyr in soils ranges from 30 to 90 days with a typical time of 46 days. (See Half-life text box). Half-lives are longer in cold, dry conditions. Microbes break it down. Triclopyr does not bind tightly to soil particles and is highly mobile in the environment, with the potential to contaminate groundwater. Triclopyr absorbs into the roots and leaves of treated plants and is readily translocated (easily moves throughout) through plant parts.

Half-life is the time required for half of the compound to degrade.

1 half-life = 50% degraded
2 half-lives = 75% degraded
3 half-lives = 88% degraded
4 half-lives = 94% degraded
5 half-lives = 97% degraded

Remember: the amount of a chemical remaining after a half-life will always depend on the amount of the chemical originally applied.

Human Health Risk Assessment

WSDOT evaluated several human exposure scenarios, including adults and children eating drift-contaminated garden vegetables or children directly touching drift-contaminated berries or sprayed vegetation. For each exposure scenario, WSDOT evaluated conditions of average exposure and extremely conservative conditions of maximum exposure. (See Human Cancer/Non-cancer text box and Human Risk Classifications under Conditions of Average Exposure Scenarios). Triclopyr poses a negligible risk of adverse non-cancer effects to the public under conditions of average exposure. All hazard quotients are below 1. For maximum exposure scenarios, triclopyr poses a potential low to high risk of adverse non-cancer effects in public exposure scenarios. Hazard quotients range from 1.1 for adults who contact sprayed vegetation to 132 for children who ingest drift-contaminated berries. Triclopyr poses a potential low risk to workers engaged in broadcast hydraulic spray applications under average exposure scenarios. The hazard quotient for this scenario is 4. Triclopyr poses a potential high non-cancer risk to workers engaged in broadcast hydraulic spray applications under maximum exposure conditions; the hazard quotient is 108.

Human Cancer/Non-cancer Risk Classification: Scientists estimate non-cancer health risks by generating a hazard quotient (HQ). This number is the exposure divided by the toxicity. When the HQ is less than 1, exposures are unlikely to cause any adverse health effects. When the HQ is greater than 1, potential non-cancer health effects may be possible. Risk assessments for chemicals that cause cancer (carcinogens) estimate the probability of an individual developing cancer over a lifetime. Cancer risks estimated in this way are very conservative, and actual cancer risks are likely to be much lower. Cancer risk estimates of less than 1 in 100,000 are within the range considered negligible by most regulatory agencies.

Human Risk Classifications under Conditions of Average Exposure

Hazard Quotient (Non-cancer Risk)	Cancer Risk	Potential Risks and Management Priority
Less than 1	Less than 1 in 100,000	**Negligible**
Between 1 and 10	Between 1 in 10,000 and 1 in 100,000	**Low**[1]
Between 10 and 100	Between 4 in 1,000 and 1 in 10,000	**Moderate**
Greater than 100	Greater than 4 in 1,000	**High**

Note: Highlighted categories specify the range of potential risk for specific exposure scenarios involving triclopyr.
[1]Low risks involving triclopyr are specific to WSDOT workers making broadcast applications.

Wildlife Risk Assessment

Wildlife risk assessment considers pesticide behavior in the environment and routes of exposure. Indirect exposure to mammals and birds can occur when they eat contaminated prey or vegetation. Direct exposure can occur when mammals and birds contact pesticide residues with their skin or eyes or when they inhale vapors or particulates. WSDOT's current application rates and use patterns for triclopyr pose a low to

moderate risk to mammals. Estimated dietary exposures for rats, mice and meadow voles are approximately 13 to 113 times lower than the rat LD50 of 630 mg/kg. Estimated dietary exposures for bobwhite quail, marsh wrens and American robins are 17 to 190 times lower than the mallard LD50 of 1,698 mg/kg. WSDOT's current use of triclopyr poses a low risk to quail, and a moderate risk to marsh wrens, and American robins.

Aquatic Risk Assessment

WSDOT takes extra precautions applying herbicides near open water, wetlands, and wellhead protection zones. However, contamination may result from application drift, rainfall runoff, or residue leaching through the soil into groundwater. Fish and aquatic insect exposure to triclopyr occurs primarily through direct contact with contaminated surface waters. WSDOT's current application rates and use patterns for triclopyr pose a low risk to fish and aquatic animals in all areas of the state.

Additional Resources

- National Pesticide Information Center 1-800-858-PEST (7378) and http://npic.orst.edu
- Extension Toxicology Network (EXTOXNET) http://extoxnet.orst.edu
- Washington State Department of Transportation, Roadside Maintenance Branch 1-360-705-7865
- Washington Department of Agriculture, Pesticide Management Division 1-877-301-4555 (toll free)

CITY OF BAINBRIDGE ISLAND

City Council Regular Business Meeting Agenda Bill

MEETING DATE: May 9, 2023 **ESTIMATED TIME:** 5 Minutes

AGENDA ITEM: (9:05 PM) Determine Councilmember Assignments for the Selection Panel for the Ethics Board, the Environmental Technical Advisory Committee and the Utility Advisory Committee - Executive,

SUMMARY: The City has started the appointment process for the City advisory committees, commissions and boards. As part of the process, the Council determines a member selection panel of two or three councilmembers for each committee. In recent appointment cycles, the mayor or deputy mayor has served on each selection panel.

There are no liaisons to the Ethics Board, so the Council will determine if additional councilmembers will serve on the selection panel with the Mayor. There are two committees, the Environmental Technical Advisory Committee and the Utility Advisory Committee, for which the deputy mayor is the only liaison and for which the mayor has delegated the selection committee role to the deputy mayor, leading to the need for one or two more council members to serve on the selection panels.

AGENDA CATEGORY: Discussion **PROPOSED BY:** Executive

RECOMMENDED MOTION: I move to appoint Mayor Fantroy-Johnson, Councilmember _____ and Councilmember _____ as the selection panel for the Ethics Board for 2023.
AND
I move to appoint Deputy Mayor Quitslund, Councilmember _____ and Councilmember _____ as the selection panel for the Environmental Technical Advisory Committee for 2023.
AND
I move to appoint Deputy Mayor Quitslund, Councilmember _____ and Councilmember _____ as the selection panel for the Utility Advisory Committee for 2023.

COMMUNITY ENGAGEMENT AND OUTREACH:

FISCAL IMPACT:

Amount:	
Ongoing Cost:	
One-Time Cost:	
Included in Current Budget?	

BACKGROUND: The City of Bainbridge Island is currently starting its regular recruitment and appointment process for its standing committees and task forces. The Council determines a member selection panel of two or three councilmembers for each committee; the recent convention is that the mayor or deputy mayor serves on each selection panel. There are no liaisons to the Ethics Board, so the Council will determine if additional

councilmembers will serve on the selection panel with the Mayor. There are two committees, the Environmental Technical Advisory Committee and the Utility Advisory Committee, for which the deputy mayor is the only liaison and for which the mayor has delegated the selection committee role to the deputy mayor, leading to the need for one or two more council members to serve on the selection panels.

It is expected that for the Ethics Board, the Environmental Technical Advisory Committee, the Utility Advisory Committee, and all other standing committees, the member selection panel will meet twice, once in late May and once in early June. Appointments to the City advisory committees are currently calendared on June Council business meetings. Roughly 30 - 35 volunteers will be appointed or re-appointed to City advisory committees, including but not limited to the Ethics Board.

The selection process is determined by the Bainbridge Island Municipal Code, 2.01.

2.01.015 Council advisory committee member appointment and confirmation process.

A. Recommendations of appointments of members to city advisory committees shall be provided by a member selection panel composed of two or three council members, including the council liaison(s), with the chair from the subject advisory committees, if applicable, serving in an advisory role in the member selection process.

B. The recommendations from the selection panel shall be forwarded to the city council, and council confirmation shall require a majority plus one vote of the entire membership of the council.

C. For city advisory committees in which state law requires appointment by the mayor (e.g., planning commission), the selection panel shall first forward their recommendation to the mayor, and if the mayor consents to the panel's recommendation, the mayor shall then forward the recommendation to the council. (Ord. 2021-16 § 1, 2021)

ATTACHMENTS:

FISCAL DETAILS:

Fund Name(s):

Coding: