ROCHESTER
PUBLIC
UTILITIES

**Public Utility Board Agenda**
**Rochester Boards & Commissions - Public Utility Board**
**February 17, 2026**
**4:00 p.m.**

**Attending and Viewing the Meeting**
**Attend the Meeting in Person:** Rochester Public Utilities - Community Room, 4000 E River Rd NE
**View Meeting via YouTube**: https://www.youtube.com/@RPUTV
**Watch & Listen via Teams:** Teams Link Meeting ID: 242 984 815 631 37 Passcode: nu6TC72E
**Telephone in and Listen via Teams:** Call: 347-352-4853 Conference ID: 536 399 712#

A recording is made available after the meeting at the City's website.

**Call to Order/Roll Call**

1. ***Approval of Agenda***
2. ***Safety Moment***
3. ***Consent Agenda***

**3.A. Minutes of the Rochester Public Utility Board Meeting of January 27, 2026**
Approve the minutes and video of the January 27, 2026, meeting of the Rochester Public Utility (RPU) Board.

**3.B. Review of Accounts Payable**
Review the list of consolidated and summarized transactions for 01/10/2026 to 02/08/026 in the total amount of $11,892,701.49.

**Open Public Comment Period**
*This agenda section is for the purpose of allowing citizens to address the Utility Board. Comments are limited to 2 minutes, total comment period limited to 20 minutes. Any speakers not having the opportunity to be heard will be the first to present at the next Board meeting.*

4. ***Consideration of Bids***

**4.A. Underground Medium Voltage Cable Bid Acceptance and Award**
Approve a resolution to accept the bids RESCO, IRBY, and Border States Electric for RPU stock medium voltage electrical cable. Approve the purchase of the cables in the specified quantities from the low apparent bidder for each stock item, subject to a delivery quantity tolerance and metals price escalation/de-escalation at the time of delivery.

5. ***Regular Agenda***

**5.A. Agreement for Electric Facilities Dedicated to Serving Mayo Clinic**
Authorizing execution of an agreement with Mayo Clinic that replaces legacy cost responsibility agreements and establishes responsibility for future repair, replacement, and upgrade costs for electric facilities dedicated to serving Mayo Clinic load and recommending Common Council concurrence.

*6. Informational*

**6.A. Water Demand Forecast for Master Planning Process**
Review results of water demand forecast for the water system master planning process prior to Phase 2 groundwater model update. Informational update only.

**6.B. Advanced Metering Project Update**
No action required. Informational only.

*7. Board Policy Review*

**7.A. RPU Index of Board Policies**
Review the Index of Board Policies to summarize progress on policy updates and determine future policy review items.

*8. General Managers Report*

**8.A. General Managers Report**
No action required. Informational only.

*9. Division Reports & Metrics*

**9.A. Division Reports and Metrics for February 2026**
Informational only. No action required.

*10. Other Business*

*11. Adjournment*

ROCHESTER BOARDS & COMMISSIONS

# REQUEST FOR ACTION

**Minutes of the Rochester Public Utility Board Meeting of January 27, 2026**

**MEETING DATE:**
**February 17, 2026**

**ORIGINATING DEPT:**
**Rochester Public Utilities**

**AGENDA SECTION:**
**Consent Agenda**

**PRESENTER:**
**Tim McCollough, General Manager**

## Action Requested:
Approve the minutes and video of the January 27, 2026, meeting of the Rochester Public Utility (RPU) Board.

## Report Narrative:
Official minutes of the RPU Board are published in accordance with the Open Meeting Law, capturing the official record of the RPU Board.

## Policy Considerations & DEI Impact:
Minutes and video of the appointed boards of the City provide access and transparency to RPU systems, processes, and decision making.

## Prior Legislative Actions & Community Engagement:
Minutes of the previous RPU Board meeting are generated monthly.

## Fiscal & Resource Impact:
No fiscal impact of publishing minutes.

## Prepared By:
Erin Henry-Loftus

## Attachments:
Exhibit - 20260127 Public Utility Board Minutes

**CITY OF ROCHESTER, MINNESOTA**
**Public Utility Board MINUTES**

## *Attending and Viewing the Meeting*

## *Call to Order/Roll Call*

Meeting started at 4:00 p.m.

| Attendee Name | Status |
|---|---|
| Patrick Keane | Present |
| Malachi McNeilus | Present |
| Wendy L Turri | Present |
| Kelsey Vaszily | Present |
| Brett Gorden | Absent |

Board Member Brett Gorden was not in attendance. His absence was excused per the Board President.

## *1) Approval of Agenda*

Motion to approve the agenda.

**MOVER:** Patrick Keane
**SECONDER:** Wendy L Turri
**AYES:** Patrick Keane, Malachi McNeilus, Wendy L Turri, Kelsey Vaszily
**ABSENT:** Brett Gorden
**RESULT:** **APPROVED [UNANIMOUS]**

## *2) Safety Moment*

Safety Manager Bob Cooke presented to the Board.

## *3) Consent Agenda*

3.A) Minutes of the Rochester Public Utility Board Meeting of December 16, 2025

**Official Act:** Approve the minutes and video of the December 16, 2025, meeting of the Rochester Public Utility (RPU) Board.

Cover Page

Exhibit - 20251216 Public Utility Board Minutes

3.B) Review of Accounts Payable

**Official Act:** Review the list of consolidated and summarized transactions for 12/09/2025 to 01/09/2026 in the total amount of $21,024,810.07.

Cover Page

Exhibit - AP Board List Current Month

3.C) 2026-2029 ESRI Citywide Small Government Enterprise Agreement Renewal

**Official Act:** Approve a resolution to enter into the Agreement with Environmental Systems Research Institute, Inc. in the amount of $390,740 and authorize the Mayor and City Clerk to execute the Agreement, subject to Council approval.

Cover Page

20260127 - Resolution - ESRI City-Wide Small Government Enterprise Agreement Renewal

3.D) Generation Fuel Purchases

**Official Act:** Approve a resolution to purchase fuel from HTP Energy up to $500,000, plus applicable taxes, and delegate authority to the General Manager or their appointee to purchase generation fuel as needed, up to the approved amount in the current and subsequent years' budgets.

Cover Page

20260127 - Resolution - 2026 Generation Fuel Purchases

General Manager Timothy McCollough addressed the Board.

Motion to approve Consent Items in Clock (3.A. - 3.D.).

| | |
|---|---|
| **MOVER:** | Patrick Keane |
| **SECONDER:** | Kelsey Vaszily |
| **AYES:** | Patrick Keane, Malachi McNeilus, Wendy L Turri, Kelsey Vaszily |
| **ABSENT:** | Brett Gorden |
| **RESULT:** | **APPROVED [UNANIMOUS]** |

## ***Open Public Comment Period***

None.

## *4) Regular Agenda*

None.

## *5) Informational*

5.A) 2026 Strategic Initiatives, Year Ahead Review

**Official Act:** Informational only. No action required.

Cover Page

General Manager Timothy McCollough presented to the Board.

Due to audio issues, General Manager Timothy McCollough started his presentation to the Board over.

Assistant General Manager of Operations Todd Blomstrom presented to the Board.

General Manager Timothy McCollough presented to the Board.

Director of Power Delivery Scott Nickels presented to the Board.

Assistant General Manager of Administration Peter Hogan presented to the Board.

Director of Information Technology James Keltgen presented to the Board.

Director of Customer Relations Patty Hanson presented to the Board.

## 6) *Board Policy Review*

6.A) RPU Index of Board Policies

**Official Act:** Review the Index of Board Policies to summarize progress on policy updates and determine future policy review items.

Cover Page

Exhibit - Rochester Public Utilities Index of Board Policies

General Manager Timothy McCollough addressed the Board.

## 7) *General Managers Report*

7.A) General Managers Report

**Official Act:** Informational only. No action required.

Cover Page

Exhibit - January General Managers Report

General Manager Timothy McCollough addressed the Board.

## 8) *Division Reports & Metrics*

8.A) Division Reports and Metrics for January 2026

**Official Act:** Review the reports from each of RPU's divisions: Safety, Water Division, Power Delivery, Power Resources, Customer Relations, Information Technology, and Corporate Services.

Cover Page

Exhibit - January Division Report

Assistant General Manager of Operations Todd Blomstrom answered questions for the Board.

## 9) *Other Business*

None.

## 10) *Adjournment*

Motion to adjourn.

| | |
|---|---|
| **MOVER:** | Patrick Keane |
| **SECONDER:** | Wendy L Turri |
| **AYES:** | Patrick Keane, Malachi McNeilus, Wendy L Turri, Kelsey Vaszily |
| **ABSENT:** | Brett Gorden |
| **RESULT:** | **APPROVED [UNANIMOUS]** |

Meeting adjourned at 5:31 p.m.

ROCHESTER BOARDS & COMMISSIONS

# REQUEST FOR ACTION

**Review of Accounts Payable**

**MEETING DATE:**
**February 17, 2026**

**ORIGINATING DEPT:**
**Rochester Public Utilities**

**AGENDA SECTION:**
**Consent Agenda**

**PRESENTER:**
**Tim McCollough, General Manager**

## Action Requested:
Review the list of consolidated and summarized transactions for 01/10/2026 to 02/08/026 in the total amount of $11,892,701.49.

## Report Narrative:
Reference the detailed Rochester Public Utilities A/P Board Listing by Dollar Range Report (attached).

## Policy Considerations & DEI Impact:
This item is in compliance with Minnesota statute 412.271 requiring all claims to be reviewed by boards and councils.

## Fiscal & Resource Impact:
This is for payment of previously approved amounts, through budget or other Board action.

## Prepared By:
Erin Henry-Loftus

## Attachments:
Exhibit - AP Board List Current Month

# ROCHESTER PUBLIC UTILITIES

## A/P Board Listing By Dollar Range

For 01/10/2026 To 02/08/2026

**Consolidated & Summarized Below 1,000**

### Greater than 50,000 :

| | | | |
|---|---|---|---|
| 1 | SOUTHERN MN MUNICIPAL POWER A | January SMMPA Bill | 8,305,700.00 |
| 2 | MN DEPT OF REVENUE | December Sales & Use Tax | 794,857.09 |
| 3 | HTP ENERGY | 151,772GAL-Fuel Oil, Gas Turbine (21 Loads) | 465,757.84 |
| 4 | CONSTELLATION NEWENERGY-GAS D | December Gas Service-SLP | 294,609.95 |
| 5 | UTIL-ASSIST INC | AMI Systems Integrator | 161,400.00 |
| 6 | IRBY UTILITIES dba | 2EA-Trans, PM, 3ph, 1500kVA, 13.8/8, 480 | 229,427.00 |
| 7 | OSI - OPEN SYSTEMS INTERNATIO | 2026 Monarch Gold Support and Service | 106,275.47 |
| 8 | IRBY UTILITIES dba | 1EA-Trans, PM, 3ph, 2500kVA, 13.8/8, 480 | 79,703.00 |
| 9 | ASPLUNDH TREE EXPERT LLC (P) | 2026 Hourly Tree Trimming | 67,071.19 |
| 10 | BORDER STATES ELECTRIC SUPPLY | 3EA-Switch, PM, Air, 3PH, 2-600SW/2-200F | 65,785.02 |
| 11 | CONSTELLATION NEWENERGY-GAS D | December Gas Service-Westside Energy | 64,799.29 |
| 12 | DAKOTA SUPPLY GROUP-ACH | 20EA-SL Pole, 30' 9" Mtg Ht | 56,739.94 |
| 13 | IRBY UTILITIES dba | 1EA-Trans, PM, 3ph, 500kVA, 13.8/8, 208 | 52,471.00 |
| 14 | | | |
| 15 | | **Price Range Total:** | 10,744,596.79 |
| 16 | | | |

### 5,000 to 50,000 :

| | | | |
|---|---|---|---|
| 17 | | | |
| 18 | | | |
| 19 | UDC dba | ESRI Electric Network Migration | 49,644.00 |
| 20 | N HARRIS COMPUTER CORP | Cayenta AMI Integration SOW - Phase 2 | 47,516.63 |
| 21 | PEOPLES ENERGY COOPERATIVE | January Compensable | 36,229.59 |
| 22 | WESCO DISTRIBUTION INC | 600EA-Spoiler, Air Flow .76 | 31,395.60 |
| 23 | STANTEC CONSULTING SERVICES I | Permit Application and EAW - Mt. Simon | 27,193.25 |
| 24 | IRBY UTILITIES dba | 8EA-Trans, PM, 1ph, 50kVA, 13.8/8, 240/1 | 27,088.00 |
| 25 | DAKOTA SUPPLY GROUP-ACH | 25EA-Mast Arm, 9' for 2690 | 26,638.59 |
| 26 | IRBY UTILITIES dba | 1EA-Trans, PM, 3ph, 112.5kVA,13.8/8,208 | 23,394.00 |
| 27 | HAWK & SON'S STEEL ERECTION | GT2B's GG Turbine Labor & Equipment | 20,000.00 |
| 28 | IRBY UTILITIES dba | 12EA-Metal Sec. Encl,3ph,30" x 67" x 22" | 19,680.00 |
| 29 | A & A ELECT & UNDERGROUND CON | 2026 Directional Boring | 19,581.75 |
| 30 | CONSTELLATION NEWENERGY-GAS D | December Gas Service-Cascade Cre | 18,831.82 |
| 31 | BORDER STATES ELECTRIC SUPPLY | 1EA-Bushing, 138KV,Trans HV | 18,020.99 |
| 32 | HTP ENERGY | 5127GAL-Fuel Oil, Gas Turbine | 17,669.11 |
| 33 | HAWKINS INC | 2026 Chlorine Gas | 16,619.26 |
| 34 | US BANK-VOYAGER | January Fuel | 16,536.53 |
| 35 | IRBY UTILITIES dba | 10EA-Metal Sec. Encl,3ph,30" x 67" x 22" | 16,400.00 |
| 36 | ETHOSENERGY POWER PLANT SERVI | Cascade Creek Turbine Generator Inspection | 15,904.00 |
| 37 | KATS EXCAVATING LLC | SAW - Service Repair | 14,300.00 |
| 38 | HAWKINS INC | 1180GAL-2026 Carus 8500 | 14,097.10 |
| 39 | L & S ELECTRIC INC (P) | 1JOB-Repair Services, Unit #2 | 13,103.00 |
| 40 | EPLUS TECHNOLOGY INC | 4EA-ISA 3000 4 Copper Ports FTD | 12,520.04 |
| 41 | CENTURYLINK (P) | 2026 Monthly Telecommunications | 12,237.15 |
| 42 | KEY BUILDERS INC | Director’s Office Remodel | 12,213.00 |
| 43 | ADVANTAGE DIST LLC (P) | 5196GAL-Urea 32, WES | 11,223.36 |
| 44 | CRESCENT ELECTRIC SUPPLY CO | 2000FT-Wire, Copper, 4/0 Str, Bare, 19 S | 10,584.00 |
| 45 | ARCHKEY TECHNOLOGIES dba | Westside IR Camera Install | 10,466.00 |
| 46 | SHORT ELLIOTT HENDRICKSON INC | 2026 MH Structural Drawings | 9,850.00 |
| 47 | HTP ENERGY | 2801GAL-Fuel Oil, Gas Turbine | 9,534.01 |
| 48 | NALCO COMPANY LLC | 1DRM-Rinse, Resin | 9,392.71 |
| 49 | CENTRAL FARM SERVICE- CFS | 3361GAL-Fuel Oil, IBM Gen-Set | 9,390.63 |

# ROCHESTER PUBLIC UTILITIES
## A/P Board Listing By Dollar Range
For 01/10/2026 To 02/08/2026
**Consolidated & Summarized Below 1,000**

| | | | |
|---|---|---|---|
| CHARTERHOUSE INC | CIP-CI-Lighting-Incentives/Rebates | 8,761.35 |
| IRBY UTILITIES dba | 2EA-Trans, PM, 1ph, 75kVA, 13.8/8, 240 | 8,654.00 |
| OLMSTED COUNTY PUBLIC WORKS | CIP-CI-Lighting-Incentives/Rebates | 8,536.00 |
| MIDCONTINENT ISO INC | January MISO Fees | 8,280.16 |
| PREMIER BANK MINNESOTA | CIP-CI-Lighting-Incentives/Rebates | 7,852.00 |
| RYAN LAVARNWAY | Speaker-Trade Ally Cust App Event w/MERC | 7,500.00 |
| PETSMART | CIP-CI-Cooling Eqmt-Incentives/Rebates | 7,324.55 |
| MINNESOTA ENERGY RESOURCES CO | Natural Gas for Service Center | 7,302.20 |
| REALITY GROWTH MANAGEMENT INC | CIP-CI-Cooling Eqmt-Incentives/Rebates | 7,280.95 |
| MINNESOTA ENERGY RESOURCES CO | December Gas Service - WES | 7,064.24 |
| PRIMROSE SCHOOL OF ROCHESTER | CIP-CI-Lighting-Incentives/Rebates | 7,045.27 |
| HAWKINS INC | 13398LB-2026 Hydrofluosilicic Acid | 6,866.18 |
| EXPONENTIAL POWER | 5EA-Gas Detector, Hydrogen AC or DC | 6,498.32 |
| IRBY UTILITIES dba | 48EA-Pedestal, Base, Secondary, w/o Cove | 6,480.00 |
| DAKOTA SUPPLY GROUP-ACH | 10000FT-Wire, Copper, 600V, 12-2 Solid | 6,358.66 |
| GRAYBAR ELECTRIC COMPANY INC | 1EA-Heater, Chromalox | 6,326.65 |
| TWIN CITY SECURITY INC | 2026 Security Services | 6,234.88 |
| ARISE INC | 2026 Jurisdictional Inspections | 6,200.60 |
| GAGNON INC | Cascade Creek Turbine Scaffold | 6,188.09 |
| ARTICULATE GLOBAL LLC | 2026 Articulate 360 Teams Plan License | 5,247.00 |
| PARAGON DEVELOPMENT SYSTEMS, | 3EA-HPE SSD | 5,223.30 |
| EPLUS TECHNOLOGY INC | 4EA-IE Family Power Supply 170W. AC to DC | 5,212.80 |
| | | |
| | **Price Range Total:** | 749,691.32 |

**1,000 to 5,000 :**

| | | |
|---|---|---|
| E3 SPARK PLUGS dba | 414EA-Ignition Coil Rubber Boot Kit, WES | 4,968.00 |
| EPLUS TECHNOLOGY INC | 4EA-IE-1000 GUI Based L2 Poe Switch | 4,613.84 |
| EPLUS TECHNOLOGY INC | 4EA-Pwr-IE170W-PC-AC= - 170W AC to DC | 4,560.96 |
| IN-PULSE CPR INC | Training, First Aid/CPR | 4,560.00 |
| METROPOLITAN MECHANCIAL CONTR | 2025-2026 HVAC Preventative Maintenance | 4,524.00 |
| MALLOY ELECTRIC dba | 1EA-VFD, ABB Inc, 40/30HP N1 460V R4 FRA | 4,354.58 |
| VIRTUAL PEAKER INC | Distributed Energy Platform Svcs 25-26 | 4,194.00 |
| US BANK PURCHASING CARD | Microsoft Azure Support 12/14-1/13/26 | 4,193.24 |
| IRBY UTILITIES dba | 2026 Rubber Good Testing & Replacement | 4,185.71 |
| FIRST HOMES PROPERTIES | CIP-RS-ASHP-Incentives/Rebates | 4,156.00 |
| AUTOMATIONDIRECT.COM | 8EA-PLC,205 CPU Card Enclosure | 4,128.00 |
| READY MIX CONCRETE COMPANY LL | Temp Concrete for WM Break (3) | 4,087.50 |
| AUTOMATIONDIRECT.COM | 8EA-PLC,205 Comm. Module Serial | 4,016.00 |
| MINNESOTA ENERGY RESOURCES CO | December Gas Service - SLP | 3,997.44 |
| OLMSTED MEDICAL CENTER | CIP-CI-Lighting-Incentives/Rebates | 3,992.00 |
| METROPOLITAN MECHANCIAL CONTR | Replaced Sensors in SC Heat Pumps | 3,972.98 |
| AUTOMATIONDIRECT.COM | 8EA-PLC,205 8Ch. Analog Input Card Enclosure | 3,888.00 |
| STANTEC CONSULTING SERVICES I | Environmental Compliance/Reporting Assistance | 3,834.50 |
| PATRIOT CONSULTING TECHNOLOGY | Microsoft Sentinerl-DefThreat Hunting | 3,562.50 |
| SILVER LAKE CROSSING LLC | CIP-CI-Lighting-Incentives/Rebates | 3,538.00 |
| PAAPE ENERGY SERVICE INC | 2026-29 Continuum System Svc Agreement | 3,516.19 |
| SOMA CONSTRUCTION INC | Rock for Water Main Breaks | 3,510.62 |
| BORDER STATES ELECTRIC SUPPLY | 18EA-Junction, LB, 200A, 4 Pos, w/Strap | 3,503.52 |
| ROCHESTER CHEVROLET CADILLAC | Exhaust Filter | 3,386.52 |

# ROCHESTER PUBLIC UTILITIES
## A/P Board Listing By Dollar Range
For 01/10/2026 To 02/08/2026
**Consolidated & Summarized Below 1,000**

| | | | |
|---|---|---|---|
| 101 | READY MIX CONCRETE COMPANY LL | Concrete - Temporary Watermain Break Patch | 3,368.75 |
| 102 | MERRICK INC | 40CAS-Paper, Copier, 8-1/2 x 11 White 20 | 3,268.24 |
| 103 | MEDSPEED | CIP-CI-Lighting-Incentives/Rebates | 3,191.85 |
| 104 | JO ANN STORES, LLC | Customer Refunds 33893 | 3,162.80 |
| 105 | KWIK TRIP #672 | CIP-CI-Lighting-Incentives/Rebates | 3,160.91 |
| 106 | LICENSE CENTER ROCHESTER INC | 2026 Vehicle License Tabs | 3,145.00 |
| 107 | HOMESTEAD AT ROCHESTER INC | CIP-CI-Lighting-Incentives/Rebates | 3,090.16 |
| 108 | MINNESOTA ENERGY RESOURCES CO | Natural Gas Service - WES Bldg | 3,011.71 |
| 109 | WESCO DISTRIBUTION INC | 12EA-Switch, Ft, 10 Potentials | 2,994.48 |
| 110 | SUNBELT RENTALS | Lift Rental WES | 2,864.52 |
| 111 | LRS OF MINNESOTA LLC | 2026 Waste Removal (SC) | 2,819.95 |
| 112 | AUTOMATIONDIRECT.COM | 5EA-PLC,205. 8CH.Analog Output Card | 2,675.00 |
| 113 | GDS ASSOCIATES INC | 2026 Attch O Consulting Service | 2,625.00 |
| 114 | AUTOMATIONDIRECT.COM | 8EA-PLC,205 9Slot Base W/ Power Supply | 2,624.00 |
| 115 | ASPLUNDH TREE EXPERT LLC (P) | 2025 Hourly Tree Trimming | 2,614.06 |
| 116 | NEW LINE MECHANICAL (P) | Backflow Inspections | 2,580.00 |
| 117 | MIDWEST RENEWABLE ENERGY TRAC | RECs Subscription: General Account | 2,500.00 |
| 118 | BAKER TILLY US, LLP | 2023-2025 Audit Fees | 2,500.00 |
| 119 | PARAGON DEVELOPMENT SYSTEMS, | 8EA-HPE Smart Kit | 2,458.13 |
| 120 | CONSOLIDATED COMMUNICATIONS d | January 2026 Network and Co-Location Services | 2,456.64 |
| 121 | TIME CONSULTING LLC | SAP HCM/Payroll Assistance | 2,400.00 |
| 122 | IRBY UTILITIES dba | 1EA-Trans, PM, 1ph, 37.5kVA,13.8/8,240 | 2,400.00 |
| 123 | GRAINGER INC | 2EA-Block, YOKE Pulley, 16K lb | 2,274.94 |
| 124 | EPLUS TECHNOLOGY INC | 4EA-SNTC-8X5XNBD ISA 3000 4 Copper -1Yr | 2,261.90 |
| 125 | ROCHESTER CHEVROLET CADILLAC | Catalytic Converter | 2,245.24 |
| 126 | ELECTROSWITCH CORP | 3EA-Relay, LOR 125VDC, 16NO/16NC | 2,203.53 |
| 127 | CIRCUIT BREAKER SALES LLC | 1EA-Circuit Breaker, GE8000, Well #29 | 2,150.00 |
| 128 | FOV LLC | CIP-CI-Lighting-Incentives/Rebates | 2,134.51 |
| 129 | VERIZON CONNECT NWF INC | January 2026 - GPS Fleet Tracking | 2,127.12 |
| 130 | READY MIX CONCRETE COMPANY LL | Concrete for Temp Patch | 2,125.00 |
| 131 | CHS ROCHESTER | LP for Hydro Building Heating | 2,112.75 |
| 132 | WINKELS ELECTRIC INC | SAE - Relocate, Replace Meter Socket | 2,100.73 |
| 133 | VIRGIN KATIE | CIP-RS-ASHP-Incentives/Rebates | 2,096.00 |
| 134 | RESCO | 2EA-Snatch Block w/ Hook,Crosby 6" RB | 2,088.17 |
| 135 | WESCO DISTRIBUTION INC | 8EA-Switch, Ft, 3 Current 4 Potent | 2,046.40 |
| 136 | FOV LLC | CIP-CI-Cooling Eqmt-Incentives/Rebates | 2,043.00 |
| 137 | CUSTOM COMMUNICATIONS INC | 6EA-Alarm, Control Panel, 8-Zone | 1,987.88 |
| 138 | ONLINE INFORMATION SERVICES I | January 2026 Utility Exchange Report | 1,930.20 |
| 139 | READY MIX CONCRETE COMPANY LL | Concrete for Main Break Restoration | 1,925.00 |
| 140 | POMPEII PAINTING INC | Paint Community Room | 1,850.00 |
| 141 | PROACTIVE ENVIRONMENTAL PRODU | 1EA-Pump, Sample Champ & Wire, PS-10490 | 1,800.00 |
| 142 | ADVANTAGE DIST LLC (P) | 55GAL-Oil, DTE Heavy Med. (55 Gal Drum) | 1,761.09 |
| 143 | DELL MARKETING LP | 4EA-Gamber-Johnson Dell Pro Rugged | 1,740.00 |
| 144 | FIRST SUPPLY (P) | 24SET-Bronze Swivel Connection, 1" | 1,728.00 |
| 145 | DAVIES PRINTING COMPANY INC | 30BOX-Envelope, #10, Security Window | 1,725.00 |
| 146 | SILBERT RICHARD | CIP-RS-ASHP-Incentives/Rebates | 1,628.00 |
| 147 | HOUTSMA JARED | CIP-RS-ASHP-Incentives/Rebates | 1,628.00 |
| 148 | DIAGENIX CORPORATION | IVR Outage Web Portal Devel.&Year 1 Fees | 1,601.75 |
| 149 | AUTOMATIONDIRECT.COM | 8EA-PLC,205,16ch 110VAC Stat Input Card | 1,552.00 |
| 150 | BORDER STATES ELECTRIC SUPPLY | 40EA-Strain Rod, FG, 78", Clev/Roller-Cl | 1,536.00 |
| 151 | WESCO DISTRIBUTION INC | 30EA-Deadend Recept, 15kv, 200A, NLB | 1,529.70 |
| 152 | NELSON CATHY T | CIP-RS-ASHP-Incentives/Rebates | 1,500.00 |

# ROCHESTER PUBLIC UTILITIES
## A/P Board Listing By Dollar Range
For 01/10/2026 To 02/08/2026
**Consolidated & Summarized Below 1,000**

| | | | |
|---|---|---|---|
| 153 | RHODES FRANCES | CIP-RS-ASHP-Incentives/Rebates | 1,500.00 |
| 154 | SHUMAKER JADYN | CIP-RS-ASHP-Incentives/Rebates | 1,500.00 |
| 155 | TREWARTHA-WEINER KAREN | CIP-RS-ASHP-Incentives/Rebates | 1,500.00 |
| 156 | WILLIAMS SEAN | CIP-RS-ASHP-Incentives/Rebates | 1,500.00 |
| 157 | ERSTAD DUANE | CIP-RS-ASHP-Incentives/Rebates | 1,500.00 |
| 158 | RAEL JASON | CIP-RS-ASHP-Incentives/Rebates | 1,500.00 |
| 159 | RAWSON ZACH | CIP-RS-ASHP-Incentives/Rebates | 1,500.00 |
| 160 | VLAMINCK JEFFREY | CIP-RS-ASHP-Incentives/Rebates | 1,500.00 |
| 161 | WITTLIEF NICHOLE | CIP-RS-ASHP-Incentives/Rebates | 1,500.00 |
| 162 | HOEFT KATHY A | CIP-RS-ASHP-Incentives/Rebates | 1,500.00 |
| 163 | GRAINGER INC | 1EA-Enclosure, Wiegmann | 1,445.62 |
| 164 | RESCO | 1000EA-Tags,Yellow, Flagging | 1,442.81 |
| 165 | REALITY GROWTH MANAGEMENT INC | CIP-CI-Lighting-Incentives/Rebates | 1,430.25 |
| 166 | INNOVATION WIRELESS LLC | 5EA-Clock, Analog 13:Black, Single PoE | 1,384.03 |
| 167 | BORDER STATES ELECTRIC SUPPLY | 50EA-Guy,Steel Deadend, 3/8", EHS, Long | 1,350.50 |
| 168 | DAKOTA SUPPLY GROUP-ACH | 20EA-Elbow, 5" PVC Sch 40, 36.0 Radius | 1,337.20 |
| 169 | YE QUXIANG | Customer Refunds 33930 | 1,309.37 |
| 170 | ADVANTAGE DIST LLC (P) | Grease Pump | 1,309.04 |
| 171 | TARBELL JOSHUA | CIP-RS-GSHP-Incentives/Rebates | 1,308.00 |
| 172 | LAWSON PRODUCTS INC (P) | 2026 Free Bin Items - SLP | 1,301.41 |
| 173 | OPEN ACCESS TECHNOLOGY | February Tag Agent webSmartTag User IDs | 1,278.55 |
| 174 | CONCAST INC | 2EA-Grd Sleeve,3ph,23 x 79 x 36,Concast | 1,258.29 |
| 175 | ULINE | 4EA-Dry Erase Board, Magnetic Steel | 1,239.75 |
| 176 | SOUTHGATE ENTERPRISES LLC | CIP-CI-Lighting-Incentives/Rebates | 1,225.00 |
| 177 | SECOND STREET HOTEL GROUP LLC | CIP-CI-Lighting-Incentives/Rebates | 1,223.82 |
| 178 | ROCHESTER ARMORED CAR CO INC | 2026 Pick Up Services | 1,221.83 |
| 179 | US BANK PURCHASING CARD | SCADA Data Mgmt Training-PTeng | 1,195.00 |
| 180 | ULINE | 1EA-Desk, Adj Heigh L, 72 x72 x 24" | 1,191.66 |
| 181 | AUTOMATIONDIRECT.COM | 8EA-PLC,205 16 CH 24VDC Stat Input Card | 1,184.00 |
| 182 | DAKOTA SUPPLY GROUP-ACH | 30FT-Conduit, PVC, 4" Split | 1,169.53 |
| 183 | ROCHESTER TOOL & DIE INC | 2EA-Plate, Custom w/Powder Coat | 1,068.75 |
| 184 | CRESCENT ELECTRIC SUPPLY CO | 600EA-Ty-Wraps, 34" (SC) | 1,068.32 |
| 185 | RESCO | 2EA-Crimper, Service Cable | 1,063.26 |
| 186 | SECOND STREET HOTEL GROUP LLC | CIP-CI-Cooling Eqmt-Incentives/Rebates | 1,056.00 |
| 187 | EXERCISABILITIES INC | CIP-CI-Lighting-Incentives/Rebates | 1,016.50 |
| 188 | MINNESOTA ENERGY RESOURCES CO | Gas for SLP Coal Garage | 1,011.02 |
| 189 | HOMESTEAD AT ROCHESTER INC | CIP-CI-Motors-Incentives/Rebates | 1,000.00 |
| 190 | | | |
| 191 | | **Price Range Total:** | 264,676.72 |
| 192 | | | |
| 193 | **0 to 1,000 :** | | |
| 194 | | | |
| 195 | REBATES | Summarized transactions: 41 | 9,930.70 |
| 196 | FIRST CLASS PLUMBING & HEATIN | Summarized transactions: 14 | 7,289.74 |
| 197 | VIKING ELECTRIC SUPPLY (P) | Summarized transactions: 93 | 7,012.52 |
| 198 | PROACTIVE ENVIRONMENTAL PRODU | Summarized transactions: 25 | 5,726.60 |
| 199 | CUSTOMER REFUNDS (CIS) | Summarized transactions: 50 | 5,617.83 |
| 200 | BORDER STATES ELECTRIC SUPPLY | Summarized transactions: 12 | 3,944.58 |
| 201 | CITY LAUNDERING COMPANY | Summarized transactions: 20 | 3,867.85 |
| 202 | LAWSON PRODUCTS INC (P) | Summarized transactions: 11 | 3,415.69 |
| 203 | AMARIL UNIFORM COMPANY | Summarized transactions: 28 | 3,362.35 |

# ROCHESTER PUBLIC UTILITIES

## A/P Board Listing By Dollar Range

For 01/10/2026 To 02/08/2026

**Consolidated & Summarized Below 1,000**

| | | | |
|---|---|---|---|
| 204 | DAKOTA SUPPLY GROUP-ACH | Summarized transactions: 18 | 3,300.97 |
| 205 | EPLUS TECHNOLOGY INC | Summarized transactions: 10 | 3,168.96 |
| 206 | WESCO DISTRIBUTION INC | Summarized transactions: 6 | 2,845.08 |
| 207 | CORE & MAIN LP (P) | Summarized transactions: 14 | 2,713.54 |
| 208 | MCCOLLOUGH TIM | Summarized transactions: 6 | 2,419.09 |
| 209 | RELIABLE EQUIPMENT & SERVICES | Summarized transactions: 9 | 2,141.60 |
| 210 | CRESCENT ELECTRIC SUPPLY CO | Summarized transactions: 34 | 2,110.06 |
| 211 | RESCO | Summarized transactions: 14 | 1,965.55 |
| 212 | AUTOMATIONDIRECT.COM | Summarized transactions: 5 | 1,868.00 |
| 213 | CUSTOM COMMUNICATIONS INC | Summarized transactions: 4 | 1,785.69 |
| 214 | GRAINGER INC | Summarized transactions: 7 | 1,761.43 |
| 215 | WARNING LITES OF MN INC (P) | Summarized transactions: 4 | 1,755.63 |
| 216 | INNOVATIVE OFFICE SOLUTIONS L | Summarized transactions: 7 | 1,705.59 |
| 217 | CENTURYLINK (P) | Summarized transactions: 7 | 1,685.78 |
| 218 | US BANK PURCHASING CARD | Summarized transactions: 14 | 1,602.46 |
| 219 | IRBY UTILITIES dba | Summarized transactions: 10 | 1,525.55 |
| 220 | MINNESOTA ENERGY RESOURCES CO | Summarized transactions: 4 | 1,502.71 |
| 221 | ACME ELECTRIC MOTOR, INC. | Summarized transactions: 6 | 1,479.04 |
| 222 | LRS OF MINNESOTA LLC | Summarized transactions: 3 | 1,374.61 |
| 223 | CORPORATE WEB SERVICES INC | Summarized transactions: 2 | 1,342.06 |
| 224 | ELECTROMARK INC | Summarized transactions: 9 | 1,327.86 |
| 225 | AIRGAS SAFETY INC | Summarized transactions: 8 | 1,109.56 |
| 226 | ADVANTAGE DIST LLC (P) | Summarized transactions: 4 | 1,108.69 |
| 227 | DAVIES PRINTING COMPANY INC | Summarized transactions: 3 | 1,053.55 |
| 228 | BOLTON AND MENK (P) | Summarized transactions: 2 | 1,050.00 |
| 229 | DELL MARKETING LP | Summarized transactions: 4 | 1,043.88 |
| 230 | ARISE INC | Summarized transactions: 2 | 1,009.40 |
| 231 | ROCHESTER CHEVROLET CADILLAC | Summarized transactions: 7 | 984.67 |
| 232 | LEVEL 3 COMMUNICATIONS LLC | Summarized transactions: 1 | 970.75 |
| 233 | TOLTZ KING DUVALL ANDERSON & | Summarized transactions: 1 | 967.46 |
| 234 | DC GROUP, INC. | Summarized transactions: 2 | 960.00 |
| 235 | MENARDS ROCHESTER NORTH | Summarized transactions: 14 | 958.59 |
| 236 | SCHWEITZER ENGINEERING LABORA | Summarized transactions: 9 | 956.38 |
| 237 | O'REILLY AUTO PARTS | Summarized transactions: 11 | 928.29 |
| 238 | DAKOTA RIGGERS & TOOL SUPPLY | Summarized transactions: 8 | 924.98 |
| 239 | BOB THE BUG MAN LLC | Summarized transactions: 1 | 900.96 |
| 240 | TOWNSQUARE MEDIA - ROCHESTER | Summarized transactions: 1 | 860.00 |
| 241 | NORTHERN / TREVI PAY | Summarized transactions: 13 | 849.98 |
| 242 | RONCO ENGINEERING SALES INC | Summarized transactions: 5 | 847.24 |
| 243 | CITY LAUNDERING COMPANY | Summarized transactions: 4 | 827.96 |
| 244 | METRO SALES INC | Summarized transactions: 1 | 799.29 |
| 245 | VAN METER INC dba | Summarized transactions: 6 | 779.60 |
| 246 | PARAGON DEVELOPMENT SYSTEMS, | Summarized transactions: 1 | 666.30 |
| 247 | VEIT DISPOSAL SYSTEMS dba | Summarized transactions: 1 | 651.94 |
| 248 | EGAN COMPANY | Summarized transactions: 1 | 638.00 |
| 249 | VAN METER INC dba | Summarized transactions: 8 | 632.49 |
| 250 | TRUCKIN' AMERICA | Summarized transactions: 1 | 582.47 |
| 251 | AT&T | Summarized transactions: 1 | 573.82 |
| 252 | WINKELS ELECTRIC INC | Summarized transactions: 1 | 573.73 |
| 253 | MARCO TECHNOLOGIES LLC (P) | Summarized transactions: 1 | 571.20 |
| 254 | N HARRIS COMPUTER CORP | Summarized transactions: 1 | 555.75 |
| 255 | ITRON INC | Summarized transactions: 1 | 554.59 |

# ROCHESTER PUBLIC UTILITIES

## A/P Board Listing By Dollar Range

For 01/10/2026 To 02/08/2026

**Consolidated & Summarized Below 1,000**

| | | | |
|---|---|---|---|
| 256 | BREEZY POINT RESORT | Summarized transactions: 1 | 537.48 |
| 257 | ROCHESTER TOOL & DIE INC | Summarized transactions: 1 | 534.38 |
| 258 | SCHUMACHER EXCAVATING INC. | Summarized transactions: 1 | 529.00 |
| 259 | ALTERNATIVE TECHNOLOGIES INC | Summarized transactions: 2 | 528.00 |
| 260 | BECKLEYS OFFICE PRODUCTS INC | Summarized transactions: 1 | 522.50 |
| 261 | EARLS SMALL ENGINE REPAIR INC | Summarized transactions: 5 | 509.29 |
| 262 | STAY VISIBLE LLC | Summarized transactions: 5 | 466.47 |
| 263 | NALCO COMPANY LLC | Summarized transactions: 6 | 456.84 |
| 264 | RDO EQUIPMENT COMPANY (P) | Summarized transactions: 1 | 433.66 |
| 265 | GOPHER STATE ONE CALL | Summarized transactions: 1 | 429.35 |
| 266 | KAUTZ TRAILER SALES INC | Summarized transactions: 2 | 410.88 |
| 267 | VERIZON WIRELESS | Summarized transactions: 3 | 408.30 |
| 268 | MCMASTER CARR SUPPLY COMPANY | Summarized transactions: 3 | 381.30 |
| 269 | NORTH CENTRAL INTERNATIONAL L | Summarized transactions: 2 | 373.76 |
| 270 | UNITED STATES POST OFFICE (US | Summarized transactions: 1 | 370.00 |
| 271 | JETTER CLEAN INC | Summarized transactions: 1 | 350.00 |
| 272 | MISSISSIPPI WELDERS SUPPLY CO | Summarized transactions: 7 | 314.34 |
| 273 | JOHNSTONE SUPPLY | Summarized transactions: 1 | 312.67 |
| 274 | AUTOMATIONDIRECT.COM | Summarized transactions: 2 | 305.66 |
| 275 | WARTSILA NORTH AMERICA | Summarized transactions: 2 | 301.17 |
| 276 | EVOQUA WATER TECHNOLOGIES LLC | Summarized transactions: 4 | 287.14 |
| 277 | ARIN | Summarized transactions: 1 | 275.00 |
| 278 | GLOBAL INDUSTRIAL (P) | Summarized transactions: 3 | 266.96 |
| 279 | MCMASTER CARR SUPPLY COMPANY | Summarized transactions: 7 | 264.62 |
| 280 | MN SECREATRY OF STATE-NOTARY | Summarized transactions: 2 | 240.00 |
| 281 | CRESCENT ELECTRIC SUPPLY CO | Summarized transactions: 4 | 240.00 |
| 282 | POLLARDWATER dba | Summarized transactions: 1 | 238.40 |
| 283 | FASTENAL COMPANY | Summarized transactions: 3 | 238.24 |
| 284 | FIRST SUPPLY (P) | Summarized transactions: 4 | 234.97 |
| 285 | ONLINE INFORMATION SERVICES I | Summarized transactions: 1 | 229.44 |
| 286 | FARRELL EQUIPMENT (P) | Summarized transactions: 2 | 228.11 |
| 287 | NATIONWIDE | Summarized transactions: 1 | 225.00 |
| 288 | CONCAST INC | Summarized transactions: 3 | 224.11 |
| 289 | ULINE | Summarized transactions: 4 | 223.33 |
| 290 | NUVERA | Summarized transactions: 1 | 222.98 |
| 291 | NAPA AUTO PARTS dba | Summarized transactions: 6 | 218.28 |
| 292 | PROLINE DISTRIBUTORS | Summarized transactions: 1 | 213.67 |
| 293 | NETWORK SERVICES COMPANY | Summarized transactions: 1 | 208.86 |
| 294 | BARR ENGINEERING COMPANY (P) | Summarized transactions: 1 | 199.00 |
| 295 | PAAPE ENERGY SERVICE INC | Summarized transactions: 1 | 195.00 |
| 296 | RS AMERCIAS INC (ALLIED ELECT | Summarized transactions: 6 | 184.95 |
| 297 | TOTAL RESTAURANT SUPPLY | Summarized transactions: 4 | 177.22 |
| 298 | JASPER ENGINEERING & EQUIP CO | Summarized transactions: 4 | 175.64 |
| 299 | FEDEX SHIPPING | Summarized transactions: 10 | 170.05 |
| 300 | GILLUND ENTERPRISES | Summarized transactions: 1 | 151.34 |
| 301 | WATER SYSTEMS COMPANY | Summarized transactions: 2 | 143.70 |
| 302 | MENARDS ROCHESTER SOUTH | Summarized transactions: 3 | 137.39 |
| 303 | BATTERIES PLUS | Summarized transactions: 2 | 135.40 |
| 304 | VANCO SERVICES LLC | Summarized transactions: 1 | 129.18 |
| 305 | DEVTRA INC | Summarized transactions: 2 | 126.44 |
| 306 | GRAYBAR ELECTRIC COMPANY INC | Summarized transactions: 3 | 125.27 |
| 307 | INNOVATION WIRELESS LLC | Summarized transactions: 2 | 120.45 |

# ROCHESTER PUBLIC UTILITIES
## A/P Board Listing By Dollar Range
For 01/10/2026 To 02/08/2026
**Consolidated & Summarized Below 1,000**

| | | | |
|---|---|---|---|
| 308 | MISSISSIPPI WELDERS SUPPLY CO | Summarized transactions: 1 | 112.38 |
| 309 | CHS ROCHESTER | Summarized transactions: 3 | 110.24 |
| 310 | DITCH WITCH OF MINNESOTA INC | Summarized transactions: 3 | 110.07 |
| 311 | ANDERSON JUDITH | Summarized transactions: 1 | 102.00 |
| 312 | NEWARK | Summarized transactions: 3 | 99.01 |
| 313 | MCNEILUS STEEL INC | Summarized transactions: 2 | 89.70 |
| 314 | SLEEPY EYE TELEPHONE CO | Summarized transactions: 1 | 84.76 |
| 315 | CIRCUIT BREAKER SALES LLC | Summarized transactions: 1 | 75.00 |
| 316 | FERGUSON ENTERPRISES | Summarized transactions: 3 | 72.24 |
| 317 | KELE INC | Summarized transactions: 4 | 63.09 |
| 318 | ARNOLDS A KLEEN-TECH COMPANY | Summarized transactions: 4 | 61.67 |
| 319 | BARRY SCREEN PRINT CO dba | Summarized transactions: 4 | 47.53 |
| 320 | PROPERTY RECORDS OLMSTED COUN | Summarized transactions: 1 | 46.00 |
| 321 | DIEP ALAN | Summarized transactions: 1 | 40.00 |
| 322 | MERRICK INC | Summarized transactions: 1 | 38.22 |
| 323 | MITSUBISHI POWER AERO LLC (P) | Summarized transactions: 1 | 33.28 |
| 324 | ROCH AREA BUILDERS INC | Summarized transactions: 1 | 30.00 |
| 325 | ROCH RESTAURANT SUPPLY | Summarized transactions: 2 | 28.39 |
| 326 | XCEL ENERGY CORP | Summarized transactions: 1 | 27.16 |
| 327 | MSC INDUSTRIAL SUPPLY CO INC | Summarized transactions: 2 | 20.73 |
| 328 | CHESNEY JAMES | Summarized transactions: 1 | 19.00 |
| 329 | KLUG JERROD | Summarized transactions: 1 | 18.87 |
| 330 | GRINHAUG CHAD | Summarized transactions: 1 | 14.75 |
| 331 | JOHNSON MARK T | Summarized transactions: 1 | 14.75 |
| 332 | MIDWEST RENEWABLE ENERGY TRAC | Summarized transactions: 1 | 11.99 |
| | | **Price Range Total:** | 133,736.66 |
| | | **Grand Total:** | 11,892,701.49 |

ROCHESTER BOARDS & COMMISSIONS

# REQUEST FOR ACTION

**Underground Medium Voltage Cable Bid Acceptance and Award**

**MEETING DATE:**
**February 17, 2026**

**ORIGINATING DEPT:**
**Rochester Public Utilities**

**AGENDA SECTION:**
**Consideration of Bids**

**PRESENTER:**
**Steven Cook**

## Action Requested:

Approve a resolution to accept the bids RESCO, IRBY, and Border States Electric for RPU stock medium voltage electrical cable. Approve the purchase of the cables in the specified quantities from the low apparent bidder for each stock item, subject to a delivery quantity tolerance and metals price escalation/de-escalation at the time of delivery.

## Report Narrative:

Bids were received from four different combinations of entities on January 30, 2026, to supply four different RPU stock cables. The bid allows RPU to award each item individually to the lowest responsive bidder for each item.

The recommended awards are:

| Bid Item | Stock # | Description | Bid Qty (1000 ft) | Base Price ($/Mf |
|---|---|---|---|---|
| 1 | 2246 | Wire in Duct, AL, 15kV, 1/0 Solid, 1/C | 27 | $4,639.00 |
| 2 | 2247 | Wire, AL, 15kV, 1/0 Solid, 1/C, Jacketed | 99.9 | $3,577.00 |
| 3 | 11042 | Wire, AL, 15 kV, 4/0 Stranded, 1/C, Jacketed 220m | 10 | $3,899.00 |
| 4 | 16294 | Wire, AL, 15 kV, 750 Stranded, 1/C Jacketed 220m | 66 | $10,587.00 |

These cables are used extensively by RPU in new construction and primary cable replacements. These purchases will be used to replenish our stock of these materials which are used on many individually budgeted projects throughout the year.

The actual quantity of cable that we receive will be +/- 10% of the bid amount, with the actual amount depending on shipping reel cuts which have a tolerance that is defined in the bid specification. The final price of the cable will be set at the time of cable shipment based on the pricing of refined copper and aluminum as defined in the bid specification.

The replenishing of these inventory items is budgeted as part of several budget items with the majority under the Allocation - Distribution Expansion line item approved budget. The first three bid items are primarily used for new subdivision installations and commercial development while Bid Item #4 is primarily used for trunk feeder extensions and relocation projects.

## Prepared By:
Steve Cook

## Attachments:
Exhibit - Bid Tab Medium Voltage Cable 20260130

20260217 - Resolution Cable Bid

## Rochester Public Utilities Bid Summary, Medium Voltage Cable, January 30, 2026

| | | | | RESCO (Prysmian) | | | IRBY (Okonite) | | | Border States Electric (Prysmian) | | | WESCO (CME) [note 1] | | | WESCO (LS Cable) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bid Item | Stock # | Description | Bid Qty (1000 ft) | Base Price ($/Mft) | Extended Price | Lead Time (weeks) | Base Price ($/Mft) | Extended Price | Lead Time (weeks) | Base Price ($/Mft) | Extended Price | Lead Time (weeks) | Base Price ($/Mft) | Extended Price | Lead Time (weeks) | Base Price ($/Mft) | Extended Price | Lead Time (weeks) |
| 1 | 2246 | Wire in Duct, AL, 15kV, 1/0 Solid, 1/C | 27 | $4,639.00 | $125,253.00 | 31-33 | $6,275.00 | $169,425.00 | 32-34 | $4,640.48 | $125,292.96 | 30-32 | $7,285.00 | $196,695.00 | 32-34 | $9,081.00 | $245,187.00 | 26 |
| 2 | 2247 | Wire, AL, 15kV, 1/0 Solid, 1/C, Jacketed | 99.9 | $3,577.00 | $357,342.30 | 25-27 | $3,646.00 | $364,235.40 | 30-32 | $3,577.65 | $357,407.24 | 24-26 | $5,874.00 | $586,812.60 | 30-32 | $7,670.00 | $766,233.00 | 22 |
| 3 | 11042 | Wire, AL, 15 kV, 4/0 Stranded, 1/C, Jacketed 220m | 10 | $3,899.00 | $38,990.00 | 25-27 | $3,927.00 | $39,270.00 | 34-36 | $3,899.82 | $38,998.20 | 24-26 | $6,286.00 | $62,860.00 | 34-36 | $8,255.00 | $82,550.00 | 22 |
| 4 | 16294 | Wire, AL, 15 kV, 750 Stranded, 1/C Jacketed 220m | 66 | $10,968.00 | $723,888.00 | 25-27 | $10,587.00 | $698,742.00 | 26-28 | $10,970.05 | $724,023.30 | 24-26 | $16,895.00 | $1,115,070.00 | 26-28 | $20,254.00 | $1,336,764.00 | 22 |
| | | | | | | | | | | | | | | | | | | |
| | | note 1: WESCO quoted different quantities based on manufacture standard put-up | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |

ROCHESTER PUBLIC UTILITIES
WE PLEDGE, WE DELIVER

# RESOLUTION

BE IT RESOLVED by the Public Utility Board of the City of Rochester to accept bids from RESCO, IRBY, Border States Electric, and WESCO for the purchase of medium voltage power cables

BE IT FUTHER RESOLVED by the Public Utility Board of the City of Rochester to approve purchase as outline below subject to allowable tolerances on the total quantity and escalation/de-escalation of unit price at time of delivery.

| Bid Item | Stock # | Description | Bid Qty (1000 ft) | Base Price ($/Mft) | Extended Price | Low Responsive Bidder |
|---|---|---|---|---|---|---|
| 1 | 2246 | Wire in Duct, AL, 15kV, 1/0 Solid, 1/C | 27 | $4,639.00 | $125,253.00 | RESCO (Prysmian) |
| 2 | 2247 | Wire, AL, 15kV, 1/0 Solid, 1/C, Jacketed | 99.9 | $3,577.00 | $357,342.30 | RESCO (Prysmian) |
| 3 | 11042 | Wire, AL, 15 kV, 4/0 Stranded, 1/C, Jacketed 220m | 10 | $3,899.00 | $38,990.00 | RESCO (Prysmian) |
| 4 | 16294 | Wire, AL, 15 kV, 750 Stranded, 1/C Jacketed 220m | 66 | $10,587.00 | $698,742.00 | IRBY (Okonite) |

PASSED AND ADOPTED BY THE PUBLIC UTILITY BOARD OF THE CITY OF

ROCHESTER, MINNESOTA, THIS 17th DAY OF February 2026.

_____
PRESIDENT

_____
SECRETARY

ROCHESTER BOARDS & COMMISSIONS

# REQUEST FOR ACTION

**Agreement for Electric Facilities Dedicated to Serving Mayo Clinic**

**MEETING DATE:**
**February 17, 2026**

**ORIGINATING DEPT:**
**Rochester Public Utilities**

**AGENDA SECTION:**
**Regular Agenda**

**PRESENTER:**
**Randy Anderton, Manager of Electrical Engineering**

## Action Requested:

Authorizing execution of an agreement with Mayo Clinic that replaces legacy cost responsibility agreements and establishes responsibility for future repair, replacement, and upgrade costs for electric facilities dedicated to serving Mayo Clinic load and recommending Common Council concurrence.

## Report Narrative:

Rochester Public Utilities (RPU) has long-standing agreements with Mayo Clinic that support reliable electric service to Mayo Clinic's downtown facilities. These agreements address (1) the original costs to construct electric facilities needed to serve Mayo Clinic load and (2) how ongoing costs to repair, replace, and upgrade those facilities are allocated over time.

In recent years, RPU and Mayo Clinic entered into an agreement supporting construction of the Marion Road Substation and the dedicated feeders that serve Mayo Clinic load. That agreement clarified cost responsibility for the Marion Road facilities going forward.

Due to significant modifications, replacements, and additions to electric facilities associated with the Bold Forward Unbound expansion, RPU and Mayo Clinic need to update and consolidate the older ("legacy") cost responsibility agreements for Mayo Clinic load served from the Crosstown Substation and the IBM Substation. Mayo Clinic also continues to add services from the IBM Substation, increasing the importance of clearly defining future responsibilities for facility upgrades and lifecycle replacements.

The proposed agreement replaces the legacy agreements and establishes a consistent framework for all future repair, replacement, and upgrade costs associated with electric facilities dedicated to serving Mayo Clinic load from the Marion Road, Crosstown, and IBM substations (and associated feeders).

This protects non-Mayo Clinic customers by ensuring costs that are specific to serving Mayo Clinic load are addressed through the agreement rather than being broadly assigned across the system.

This action is scheduled to be considered by the Common Council for concurrence on February 18, 2026

## Policy Considerations & DEI Impact:

This agreement supports the Board's accountability for protection and preservation of utility assets by establishing a clear, forward-looking framework for funding future repair, replacement, and upgrade work for facilities dedicated to serving Mayo Clinic load.

It also advances RPU's cost-based approach to pricing and cost recovery by aligning customer-specific infrastructure costs with the customer that drives those costs, consistent with principles of cost causation and minimizing cross-subsidization between rate classes.

Common Council concurrence is required because the agreement establishes a method for allocating and recovering utility costs that is rate-like in effect by differentiating costs/charges based on the costs of serving a specific customer, and Council concurrence is required for rates and charges.

**Strategic Alignment**
The agreement supports RPU strategic priorities related to Reliability and Rates by enabling prudent, cost-based investments in reliability while maintaining fair, defensible rate outcomes.

It also supports RPU's priority to improve collaboration and coordination with external partners and to successfully execute large multi-year strategic projects, including Bold Forward Unbound.

**DEI Impact**
No direct DEI impact is anticipated. Indirectly, the agreement supports equitable treatment of customers by applying cost causation principles and reducing cross-subsidization within and between customer classes.

## Prior Legislative Actions & Community Engagement:

- **Jan 30, 1992**: Legacy agreement executed for Mayo Clinic load served from Crosstown Substation and associated feeders.
- **Jan 1, 2012**: Legacy agreement executed/updated for Mayo Clinic load served from IBM Substation and associated feeders.
- **Jan 3, 2020**: RPU Board action authorizing agreement for Marion Road Substation construction and dedicated feeders.
- **Apr 5, 2023**: MOU signed with Mayo Clinic for the construction of the duct and manhole system from Marion Rd Sub to downtown.
- **2025**: Agreement negotiations initiated to consolidate/update cost responsibility due to Bold Forward Unbound-related system changes.
- **Feb 18, 2026**: Common Council concurrence scheduled. (As stated in the item request.)

**Community engagement**: Not applicable / no direct engagement anticipated (agreement relates to infrastructure cost allocation for a specific large customer and does not change public access/service policies).

## Fiscal & Resource Impact:

The agreement establishes that Mayo Clinic is responsible for future repair, replacement, and upgrade costs for facilities dedicated to serving Mayo Clinic load from the Marion Road, Crosstown, and IBM substations and associated feeders.

**Budget/rate impact**: No impact to the total approved budget/rates

**Staff resources**: Work will be coordinated through existing Electric Distribution/Engineering resources as part of planned system maintenance and capital work.

## Prepared By:

Randy Anderton

## Attachments:

20260217 - Resolution - MOU with Mayo Clinic

Exhibit - Partially Executed OM Capital Replacement Agreement for Electric Facilities Dedicated to Serving Mayo Clinic

ROCHESTER PUBLIC UTILITIES
WE PLEDGE, WE DELIVER

# RESOLUTION

BE IT RESOLVED by the Public Utility Board of the City of Rochester to approve the Operations, Maintenance, & Capital Replacement Agreement for Electrical Facilities Dedicated to Serving Mayo Clinic.

BE IT FUTHER RESOLVED by the Public Utility Board of the City of Rochester to recommend that the Rochester City Council authorize the Operations, Maintenance, & Capital Replacement Agreement for Electrical Facilities Dedicated to Serving Mayo Clinic to be entered into by the City of Rochester, acting through and by Rochester Public Utilities with Mayo Clinic.

PASSED AND ADOPTED BY THE PUBLIC UTILITY BOARD OF THE CITY OF

ROCHESTER, MINNESOTA, THIS 17th DAY OF FEBRUARY 2026.

_____
PRESIDENT

_____
SECRETARY

Docusign Envelope ID: 3E520A86-68A7-4440-AE0F-6F4EBB9D1DA1

# OPERATIONS, MAINTENANCE, & CAPITAL REPLACEMENT AGREEMENT FOR ELECTRIC FACILITIES DEDICATED TO SERVING MAYO CLINIC

THIS AGREEMENT is made and entered into this 18th day of February, 2026 ("Effective Date"), by and between the CITY OF ROCHESTER, a Minnesota municipal corporation, acting through its Public Utility Board ("RPU"), and Mayo Clinic, a Minnesota nonprofit corporation ("Mayo") (each, a "Party" and collectively, the "Parties").

## RECITALS

A. The City of Rochester and Mayo have entered into cost-sharing agreements for installation of capital electrical infrastructure used to meet Mayo's electrical needs.

B. There are ongoing operations and maintenance ("O&M") expenses related to various electric facilities dedicated to serving Mayo ("Electric Facilities"). The Parties anticipate there will be times where large capital infrastructure will require replacement or upgrade due to failure, forces of nature, age-related issues, and the need for capacity upgrades. The Electric Facilities are listed in Appendix 1 to this Agreement.

C. O&M Expenses (as defined below) and capital expenses may vary over time based on the condition, age, and operational requirements of the Electric Facilities.

D. RPU considers the following as the O&M expenses applicable to the Electric Facilities:

- Routine substation inspections – monthly visual checks of systems and perimeter security.

- Relay testing – periodic testing and functional verification as required for North American Electric Reliability Corporation ("NERC") compliance or based on good utility practice.

- Oil sampling/testing – annual transformer oil analysis.

- Circuit breaker maintenance – periodic testing and maintenance of medium- and high-voltage breakers.

- Transformer main tank and load tap changer ("LTC") maintenance – periodic functional verification and overhaul.

- DC battery system testing and quarterly maintenance – periodic component and system testing.

- Communication, Supervisory Control and Data Acquisition ("SCADA"), and cybersecurity systems testing – periodic testing and verification.

- Testing, inspection, cleaning, operation, maintenance, and repair of miscellaneous substation equipment.

- Repair or replacement of failed or damaged facilities.

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- Switching activities and management of interconnected power systems.

- Mowing, groundskeeping, and vegetation management.

- Required NERC compliance activities.

- Insurance expenses.

- Administrative and General (A&G) expenses – calculated annually by RPU Accounting.

- Other O&M activities based on good utility practice.

- Manhole inspections, repair, replacement, and modifications.

- Feeder cable repair, replacement, and modifications.

- Conduit system repair, replacement, and modifications.

- Fiber-optic cable system repair, replacement, and modifications.

(collectively, the "O&M Expenses")

E. Capital replacements will happen on a much less frequent basis than O&M expenses. Capital replacements will be due to a variety of causes, such as: equipment failure, end of life replacement, upgrading for higher capacity, damage due to things such as nature, items that have to be relocated within the right-of-way for street projects. This is not an exhaustive list, but it is representative of common reasons for capital replacement.

NOW, THEREFORE, the Parties agree as follows:

1. RPU will maintain the equipment listed in Appendix 1 consistent with NERC compliance and good utility practice. RPU shall use commercially reasonable efforts, consistent with good utility practice, to perform the operations and maintenance activities required under this Agreement for the Electric Facilities listed in Appendix 1. If RPU is unable to perform any required maintenance or repair activity in a timely manner, RPU shall (i) promptly notify Mayo in writing of the nature of the inability, the affected Electric Facilities, the expected duration, and the mitigation plan, and (ii) use commercially reasonable efforts to restore performance as soon as practicable. If RPU fails to commence corrective action within a reasonable time after notice from Mayo (taking into account safety and system reliability), Mayo may, upon written notice to RPU, perform or cause to be performed the affected maintenance or repair using qualified personnel, and RPU shall reasonably cooperate to provide access, coordination, and necessary information

2. RPU will perform preventative maintenance to minimize unscheduled outages consistent with good utility practice.

3. RPU will maintain substation equipment using qualified personnel following industry standards.

4. RPU will invoice Mayo annually for its portion of actual O&M and capital expenses per Appendix 1, unless caused by RPU's gross negligence. O&M Expenses has the meaning set forth in Recital D.

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5. This Agreement shall commence on the Effective Date and shall remain in effect until terminated. The Parties may terminate this Agreement by mutual written agreement confirming the Termination Date. As a condition to termination, Mayo shall pay all O&M Expenses that have been invoiced to Mayo as of the Termination Date in accordance with Section 4.

6. This Agreement is the final, complete, and exclusive statement of all terms agreed upon.

7. This Agreement may be modified only by written instrument signed by both Parties.

8. Neither party may assign this Agreement without written consent of the other.

9. This Agreement and the rights and obligations of the Parties hereunder shall be governed by Minnesota law; disputes will be heard in Minnesota state or federal courts.

10. The Parties acknowledge they enter this Agreement knowingly, voluntarily, and with opportunity for legal counsel.

11. Any notice, demand, request, or other communication shall be in writing and shall be deemed to have been duly given on the date of service, if personally served or sent by facsimile; on the business day after notice is delivered to a courier or mailed by express mail, if sent by courier delivery service or express mail for next day delivery; and on the third day after mailing, if mailed to the party to whom notice is to be given by first class mail, certified with return receipt requested, and addressed as follows:

| | |
|---|---|
| If to RPU : | Rochester Public Utilities<br>Attn: Tim McCollough, General Manager<br>4000 E. River Rd. NE<br>Rochester, Minnesota 55906 |
| With a copy to: | City of Rochester<br>Attn: City Attorney<br>201 4th St. SE #247<br>Rochester, Minnesota 55904 |
| If to Mayo: | Mayo Clinic<br>Attn: Mike Luster, Facilities Management<br>200 First Street S.W.<br>Rochester, Minnesota 55905 |
| With a copy to: | Mayo Clinic<br>Attn: General Counsel<br>200 First Street S.W.<br>Rochester, Minnesota 55905 |

12. This Agreement may be executed in counterparts; electronic signatures are valid.

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13. Except as specifically permitted in this Agreement, neither RPU nor City of Rochester shall use the names or trademarks of Mayo or any of Mayo's affiliated entities in any news release, advertising, publicity, endorsement, promotion, or commercial communication unless Mayo has provided prior written consent for the particular use contemplated. All requests for approval pursuant to this Section must be submitted to the Mayo Clinic Business Relations Group, at the following E-mail address: BusinessRelations@mayo.edu at least 7 business days prior to the date on which a response is needed. The terms of this Section survive the termination, expiration, non-renewal, or rescission of this Agreement

IN WITNESS WHEREOF, the Parties hereto have caused this Agreement to be duly executed:

CITY OF ROCHESTER

By _____

Its Mayor

Attest: _____

Its City Clerk

MAYO CLINIC

By Doug Holtan
B10E1E251E93464...

Its Chair, Department of Facilities and Support Services

ROCHESTER PUBLIC UTILITIES

By _____

Its General Manager

Approved as to Form:

_____

City Attorney

Prepared by:

Rochester City Attorney's Office

201 Fourth Street S.E., Room 247

Rochester, MN 55904

#5437920

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# Appendix 1 – Electrical Equipment

## Substations

*RPU will invoice Mayo annually for their share of the following items.*

### Crosstown Substation

The Agreement for Mayo Foundation Substation, agreed to between the Parties on January 30, 1992 (the "1992 Agreement") established an O&M and capital cost-sharing arrangement of **57%** for RPU and **43%** for Mayo. All substation costs (O&M and capital) will be based on these percentages. This includes everything from routine annual maintenance through transformer loss or any other major capital expenses.

### Marion Road Substation

The terms of the original Marion Road Substation MOU executed between the Parties, remains in effect. The below breakdowns determine financial obligations for ongoing O&M and capital expenses associated with the Marion Road Substation.

- **50%/50%** cost share of substation capital (except transformers) and O&M and capital if there is 1 Mayo (Mayo load serving only) and 1 RPU (non-Mayo load serving) transformer, except in the case of Mayo transformer failure if Mayo's downtown load (sum of Crosstown and Marion Road Sub load associated with Mayo) is below 37 MVA.
- **33%(Mayo)/67%(RPU)** cost share of substation capital (except transformers) and O&M and capital if there is there is 1 Mayo transformer and 2 RPU transformers, except in the case of a Mayo transformer failure if Mayo's downtown load is below 37 MVA.
- **Transformer Exception** - Mayo will pay **100%** of the repair and/or replacement of the transformer at Marion Rd Sub dedicated to serving Mayo load if Mayo's total downtown load is under 37 MVA.
- If Mayo's downtown total load consistently exceeds 37 MVA, RPU will then be responsible for **100%** of the repair and/or replacement cost of the transformer at Marion Rd Sub dedicated to serving Mayo load.
- If Mayo's downtown total load begins to approach 75 MVA, RPU assumes that the terms of this agreement will have to be modified to account the 2nd transformer at Marion Rd Sub that is dedicated to serving Mayo load.
- RPU will pay **100%** of replacement or repair for any transformer dedicated to serving non-Mayo load.

### IBM Substation

RPU maintains **100%** responsibility for maintenance, capital improvements, and replacements within the IBM Substation.

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## Cable, Manholes, Conduit, Duct, and Associated Systems

*RPU will invoice Mayo Clinic on a time-and-materials basis for their share of each item below.*

**Crosstown Feeders and Manhole/Duct System**

- Mayo is responsible for **100%** of all O&M and capital costs for duct and manholes located on Mayo owned property.
- The feeder/duct work as agreed to in the 1992 Agreement was cost-shared 57%(RPU)/43%(Mayo), but numerous additions have been made at Mayo's request to increase redundancy since 1992.
- **Cost Share:** Based upon calculations found in Appendix 2, Mayo will pay **61%** and RPU **39%** of all capital and O&M work associated with manhole, duct, feeder cable systems, and associated fiber optic cables that exit the Crosstown Substation and terminate at Mayo terminals (excluding facilities on Mayo property).
- This includes all feeder cables connected to Breakers 1401, 1402, 1403, 1404, 1405, 1411, 1412, 1413, 1414, and 1415.
- At the time of this Agreement, there were no feeder cables associated with breakers 1405 and 1415. Any additional feeder cables that are added in the future from Crosstown Substation, will change these percentage calculations, and this Agreement will need to be amended in writing to account for those changes.

**Marion Road Feeders and Manhole/Duct System**

- Mayo will pay 100% of O&M and capital replacement for Mayo-dedicated cables, manholes, and duct systems if Mayo's downtown load is below 37 MVA.
  (Includes feeders 1921–1925.)
- Mayo will also pay 100% for fiber-optic cable and equipment dedicated to Mayo under the same load condition.
- If Mayo's load exceeds 37 MVA by "X" MVA, RPU will pay (X/37)% and Mayo will pay (37–X)/37% of Mayo's first manhole, duct, and cable systems.
- If Mayo's downtown load exceeds 75 MVA, RPU will pay **80%** of the costs associated with the manholes, duct, and feeders associated with Mayo's first bus at Marion and Mayo will pay for **20%**. The Parties acknowledge that the original installation included approximately 20% additional capacity requested and funded by Mayo..
- RPU will always pay 100% for distribution feeder and cable systems dedicated to servicing non-Mayo load.

Future Mayo breaker connections may include Breakers1941–1945. If these breakers are placed in service to serve Mayo load, the Parties shall review and, if necessary, amend this Agreement in writing.

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**IBM Feeders Dedicated to Mayo Load**

RPU had adequate capacity to serve Electric Facilities in the vicinity of the IBM Substation; however, for reliability purposes, Mayo elected to pay for and install feeders from the IBM Substation. Mayo paid RPU to install mainline underground feeder cables and associated systems from Breakers 1002 and 1012 at the IBM Substation. RPU estimates that the increased capacity and reliability associated with serving Electric Facilities from the IBM Substation approximately doubles the cost of the associated facilities. Accordingly, the Parties agree that the cost share for O&M and capital costs associated with the cable, duct, and manhole systems from the IBM Substation that are dedicated to serving Mayo load will be **50%** (Mayo) / 50% (RPU).

If additional cables or associated systems are added in the future, the Parties may need to modify this cost share to reflect the revised cost share percentages.

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# Appendix 2 – Crosstown Manhole, Feeder Cable, and Duct Percentage Calculation

**Feeders and total cable circuit footages**

1401 – 6,290ft – Crosstown to St. Mary's (2 feeders)

1402 – 3,430ft – Crosstown to Franklin (2 feeders)

1403 – 5,807ft – Crosstown to Joseph Vault (1 feeder)

1404 – 215ft – Crosstown to Prospect (2 feeders)

1405 – 0ft

1411 – 6,290ft – Crosstown to St. Mary's (2 feeders)

1412 – 1,477ft – Crosstown to Methodist (2 feeders)

1413 – 3,501ft – Crosstown to Franklin (2 feeders)

1414 – 404ft – Crosstown to Prospect (2 feeders)

1415 – 0ft

Total cable circuit footage = 27,414ft

Assumption:

- RPU is responsible for providing capacity for 1 – 37.5MVA transformer. RPU considers the normal rating of 1 feeder of 500MCM Cu or 750MCM Al to be 10MVA.
- RPU assumes that they would be responsible for a single feeder for 1401, 1402, 1403, and 1410, which would equate to 40MVA of feeder capacity.
- Mayo is responsible for the excess feeder capacity above this base 40MVA.

Calculation:

(6,290ft/2 + 3,430ft/2 + 5,807ft + 215ft/2) / (27,414ft) = 10,774ft / 27,414ft = 39.3%

**RPU's percentage = 39%**

**Mayo's percentage = 61%**

Note – This percentage calculation will need to be adjusted if additional feeder cables are added to Crosstown Sub.

#5437920

ROCHESTER BOARDS & COMMISSIONS

# REQUEST FOR ACTION

**Water Demand Forecast for Master Planning Process**

**MEETING DATE:**
**February 17, 2026**

**ORIGINATING DEPT:**
**Rochester Public Utilities**

**AGENDA SECTION:**
**Informational**

**PRESENTER:**
**Todd Blomstrom, Assistant General Manager - Operations**

## Action Requested:

Review results of water demand forecast for the water system master planning process prior to Phase 2 groundwater model update. Informational update only.

## Report Narrative:

Rochester Public Utilities, in coordination with Community Development staff and RPU's consultant team, recently completed a comprehensive water demand analysis to forecast water supply needs through the year 2065. This analysis represents a critical first step in the Water System Master Plan, as it establishes a foundation for evaluating future water supply options, infrastructure investments, and regulatory compliance requirements.

The analysis used two complementary methods to estimate future water demand. The first was a per-capita approach that relied on historical water production data, population growth trends, and climate-adjusted peak demand conditions. This represents the traditional method for water demand forecasting. The second method applied a land use consumption approach based on monthly water meter data over a five-year period to determine per-acre water demand factors for each category of land use outlined within the City's adopted planning documents.

A future growth model for the City was also developed using data and assumptions from the Rochester Comprehensive Plan, the Rochester-Olmsted Council of Governments Metropolitan Transportation Plan, the City's Sanitary Sewer Master Plan, and the Mayo Clinic 5-year plan update. This model allows RPU to evaluate how year-to-year growth in specific areas of the City will drive future water supply needs across the system.

Both water demand forecasting methods produced comparable results, with the second land use approach being slightly more conservative. Findings indicate that the average day water demand is projected to increase from 14.0 to 22.1 million gallons per day, with peak day demand increasing from 30.4 to 44.9 million gallons per day by 2065.

RPU staff have prepared a presentation of this information for the RPU Board prior to sharing the findings within the technical memorandum for external review.

A copy of the summary report is included with this information item.

## Prior Legislative Actions & Community Engagement:

A preview of the Water Demand Forecast work was presented to the Rochester Area Builders (RAB) Development Services Advisory Council on January 28, 2026

## Fiscal & Resource Impact:

The Water System Master Planning project is budgeted within 2025 and 2026 major maintenance budgets for the Water Division.

## Prepared By:

Todd Blomstrom

## Attachments:

Exhibit - Water Demand Forecast Tech Memo Draft

# TECHNICAL MEMORANDUM

**To:** Todd Blomstrom, PE, RPU, Director of Water

**From:** Greg Hansen, PE, AE2S, Assistant Project Manager

**Re:** **RPU Master Plan Update – Land Use Technical Memorandum**

**Date:** February 4, 2026

## BACKGROUND

Rochester Public Utilities (RPU), in coordination with the city of Rochester (city), is currently planning for future growth as a part of the larger master planning effort, which will also consider various source water options. Before future water sources can be thoroughly evaluated, the future water needs must be estimated. This memo summarizes the approach taken to estimate the current and future water needs for the city through 2065.

Multiple planning documents were used to help develop future water needs, including:

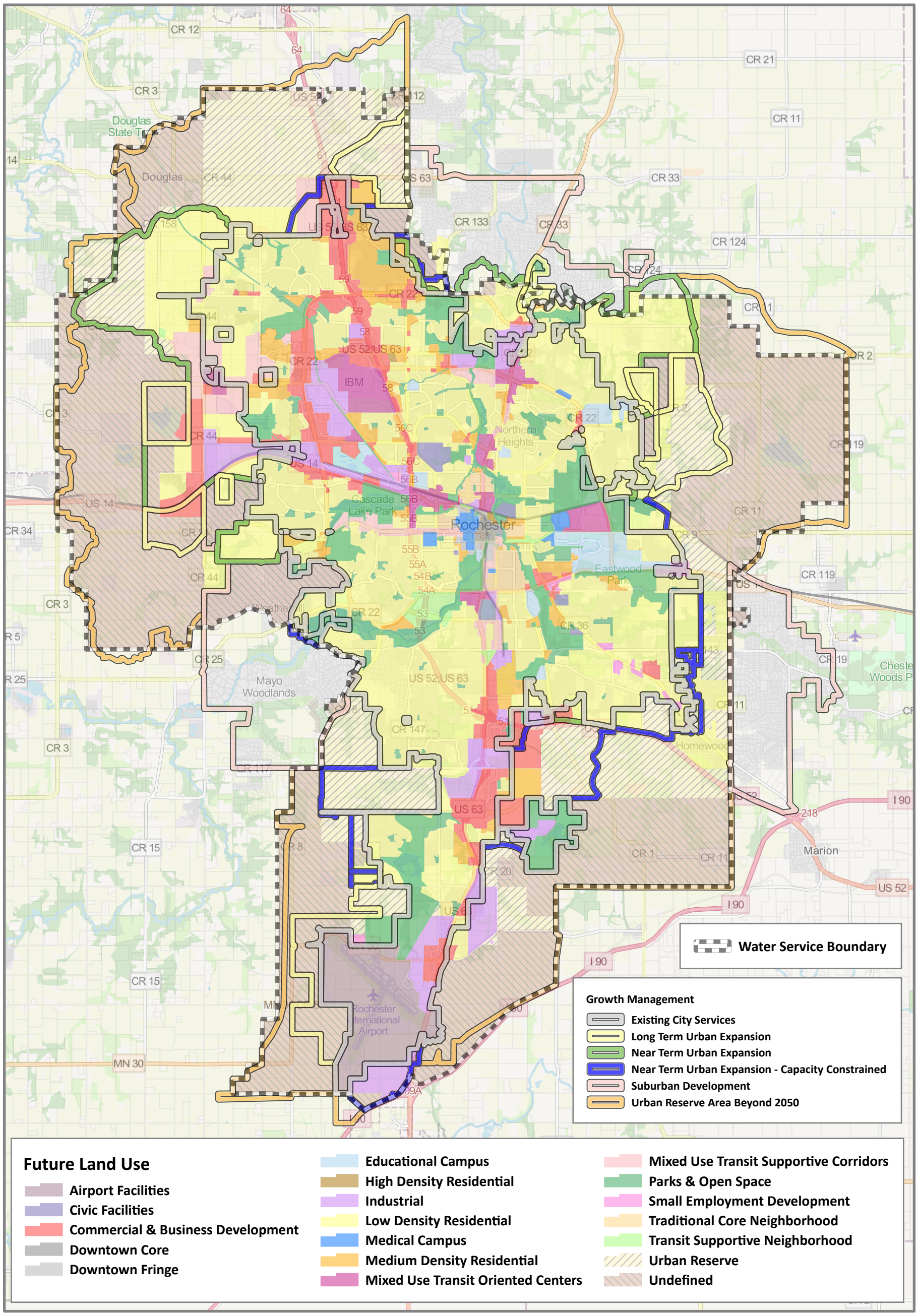
- Rochester Comprehensive Plan 2040 (2025)
- Mayo (DMC) 5-year Plan (2023)
- Sanitary Sewer Wastewater Master Plan (2020)
- Stewartville 2042 Comprehensive Plan (2022)
- Byron Comprehensive Plan (2022)

Estimating the future water needs will include evaluating the following:

- Population projections through 2065.
- Overall trends in water usage, including potential future climate impacts on outdoor water usage, as well as indoor per-capita usage trends.
- Water usage for the various land use types defined in the *Rochester Comprehensive Plan 2040* and shown in **Figure 1**.
- Areas most likely to develop out to the 2065 boundary, which will include an in-depth and comparative analysis of:
    - The Transportation Analysis Zone (TAZ) data produced by the Rochester-Olmsted Council of Governments' (ROCOG) *Metropolitan Transportation Plan (Adopted October 22, 2025)*.
    - The Rochester Growth Management Map (Developed in the *Rochester Comprehensive Plan 2040*.

- Considering the removal of undevelopable land from future growth areas, including the Decorah Edge, wetlands, 100-year flood plains, and steep slopes.
- Impacts of Destination Medical Center (DMC) campus growth and estimated future potential water demands.
- Estimating water needs from potential future RPU wholesale customers from the surrounding communities (Byron, Oronoco, and Stewartville) if the region is required to implement substantial surface water or groundwater treatment processes.

A map of the future service area that is projected to be served through 2065 is shown in **Figure 1**. These areas include the future land use categories, as well as the growth management zones and the 2065 water service boundary.




*Information depicted may include data unverified by AE2S. Any reliance upon such data is at the user's own risk. AE2S does not warrant this map or its features are either spatially or temporally accurate.*

Coordinate System: NAD 1983 2011 Contiguous USA Albers | Edited by: ghansen | D:\Projects - D-Drive\RPU\04.0 Project Work\Water Demand and Growth Analysis\Community Development Map\GIS\Rochester Community Development Map - Mapping and Analysis.aprx | Community Development Map 11x17

Figure 1

**WATER SYSTEM PLANNING**

Rochester Public Utilities

Date: 02-Jan-26

# STAKEHOLDER INPUT SUMMARY

A stakeholder discussion meeting occurred on Thursday, November 6th, 2025, which included the RPU staff, AE2S, and Jacobs team members, as well as a representative from the Rochester Community Development team.

Some of the key takeaways from the coordination meeting with the Community Development Team include:

- The Growth Management Plan and TAZ (traffic analysis zone) data will be used to determine growth outward from existing service areas and within the 2065 service area boundary that are most likely to occur to reach the 2065 low, target, and high estimates. These data will also guide growth phasing from 2025 through 2065.
- Future land use category "Urban Reserve" will be assumed as 80/20 low-/medium-density residential with commercial development creating an approximate 0.5-mile boundary along the transportation corridors (Highways 14, 52, and 63).
- Attention would be given to the average to peak day peaking factors, as some of the low-density residential units with larger lots can have peaking factors up to 6 between winter and summer usage.
- Two industrial demands, light and heavy, will be considered, with the possibility of a heavier industrial demand being developed south of the airport.
- Many of the surface parking lots in the DMC area are possible areas for growth. There is a possibility that Mayo and St Mary's Hospital will be growing not only horizontally, but potentially vertically as well.

RPU is conducting quarterly meetings with the Minnesota Department of Natural Resources and Department of Health to regulary discuss project approach and findings throughout the planning process. RPU is also conducting quarterly regional coordination meetings with public water utilities in the region to receive input on the study and verify existing and future water demand data.

# WATER USE CHARACTERIZATION

The water consumed and produced for the City of Rochester was evaluated to determine the impacts of weather, growth, and apparent losses. Evaluating these data will enable a better understanding of current water use trends to extrapolate these patterns to future water use.

Water metered records and water production records were reviewed for the last five and ten years, respectively, with the results provided in **Figure 2**. The daily water production rate remains relatively constant from November through early April. The water consumed during this period, between November and early April, is considered the indoor, or winter water usage, as little to no outdoor irrigation occurs during this time.

The daily water consumed between June and August is considered the summer demand. It is typically higher than the average winter demand due to the increase in outdoor water consumption. The difference between the summer water usage and the indoor (winter) water consumption is equal to the outdoor usage. The summer water consumption is the average water consumed per day between June and August of each year. The peak day production represents the maximum water produced during the calendar year.

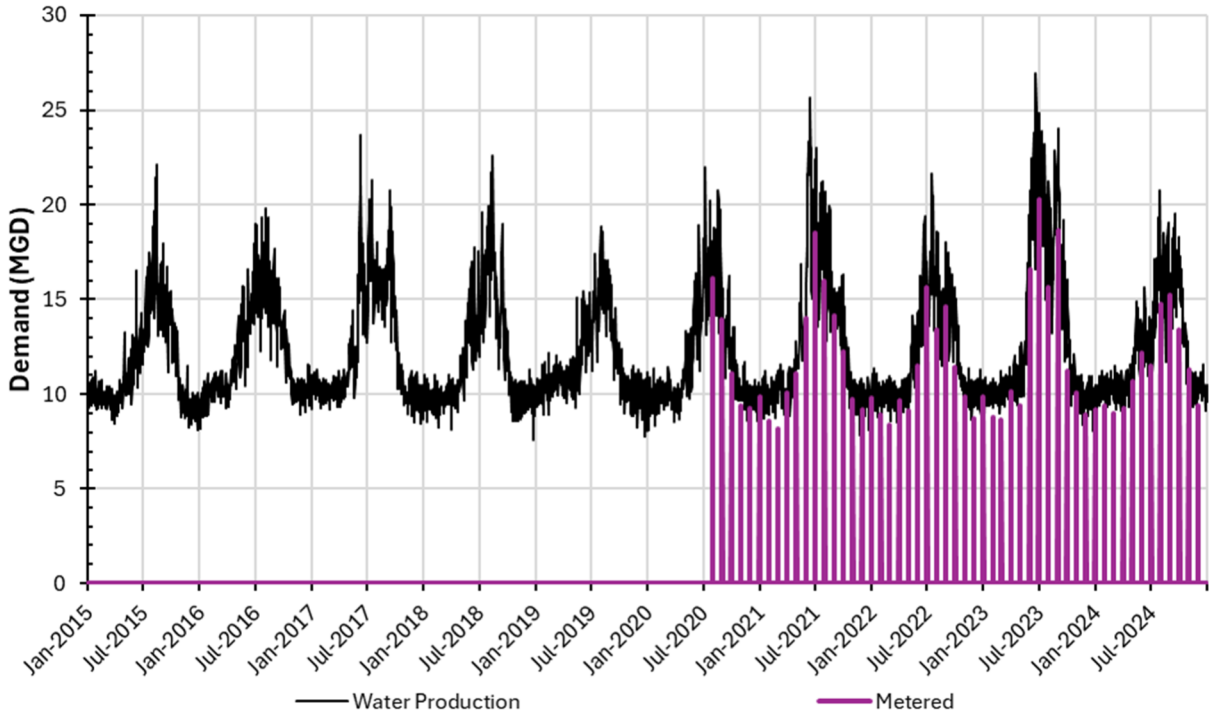



**Figure 2 – Water Production and Consumption Records**

# FUTURE DEMAND PROJECTIONS

Two different methods are used to estimate the future water needs for RPU and are discussed in the following sections.

The first method uses production data (from water sources pumped into the distribution system). This method calculates how much total water is consumed in the distribution system through metered consumption (residential, commercial, etc.) as well as non-revenue water which consists of water consumed but not metered, lost through leakage, or unauthorized connections. The total production value can be divided by the number of residents to get per-capita usage. The per-capita usage values can be trended and extrapolated to future population estimates to approximate the future water needs.

The second method relies more heavily on metered usage for each customer. This approach is more detailed as it evaluates the water usage characteristics for individual land use types. The water consumption for each land use type can be characterized and projected to future growth areas, where future water demand ranges can be estimated.

Both methods are used and compared against each other to ensure the various assumptions made for both analysis methods are reasonable, and the demand projections are similar to each other.

## Per-Capita (Production-Based) Demand Projections

Per-capita future water estimates rely on population projections, potential weather/climate impacts, and historical trends for both indoor and outdoor usage for average and summer/peak day conditions.

### Population Projections

Rochester has seen a consistent growth rate over the last 50 years of around 1.9 percent per year. The *Rochester Comprehensive Plan 2040* projects a population of 165,000 people by 2040, which would be a roughly 1.6 percent per year increase. From 2040 through 2065, the growth rate is expected to slow to around 0.5 percent per year. This trend in decreasing population growth rates is seen in numerous other communities across Minnesota, with the state expecting to have an overall 0 percent growth rate within the next 30 years. **Figure 3** shows the historical population for Rochester (solid line) and the projected population through 2065 (dashed line). Rochester is expected to add approximately 70,000 people through 2065, which will increase the overall projected potable water needs for the city.

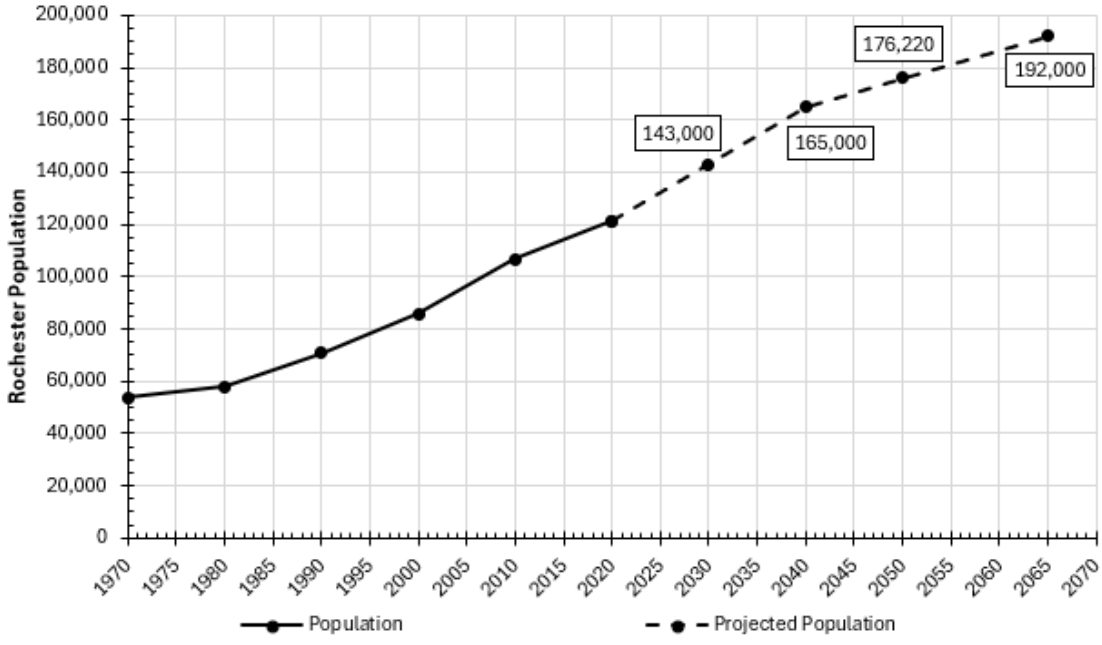



**Figure 3 – Rochester Population – Historical and Projected**

## Climate and Weather Impacts

Rainfall rates can have a large impact on the summer and peak day water demands. An important part of estimating future water demand is evaluating the historical rainfall records and identifying any trends in rainfall that may be occurring due to the impacts of climate change.

A 1 in 100-year dry period is often seen as a reasonable benchmark for determining the potential worst-case scenario for a future dry period, as it strikes a balance between reasonable risk versus capital cost investments. The likelihood of a 1 in 100-year dry period has a low probability of occurring for any given year, but it is likely to occur at some point over the lifetime of the infrastructure. Using a 200- or 500-year or greater drought would likely result in greater capital expenditure than necessary, especially when considering that utilities do have tools to assist with mandatory water usage reductions during extreme drought conditions.

For each of the three peak summer months evaluated, rainfall trends have generally gotten wetter, particularly in June, as shown in the gamma distribution plot shown in **Figure 4**. When a rainfall data set is entered, the gamma chart shows the probability of a monthly rainfall event during any given year. If the previous 85 (1940-2025) or 40 (1985-2025) years of rainfall data sets were evaluated, a June with only 0.5 inches would be expected to occur every 1 in 100 years. If only the past 20 years (2005-2025) were evaluated, 1 inch of rain would be expected every 1 in 100 years. Julys (**Figure 5)** have become slightly wetter and more consistently wet, while Augusts (**Figure 6**) have largely remained the same since 1940.

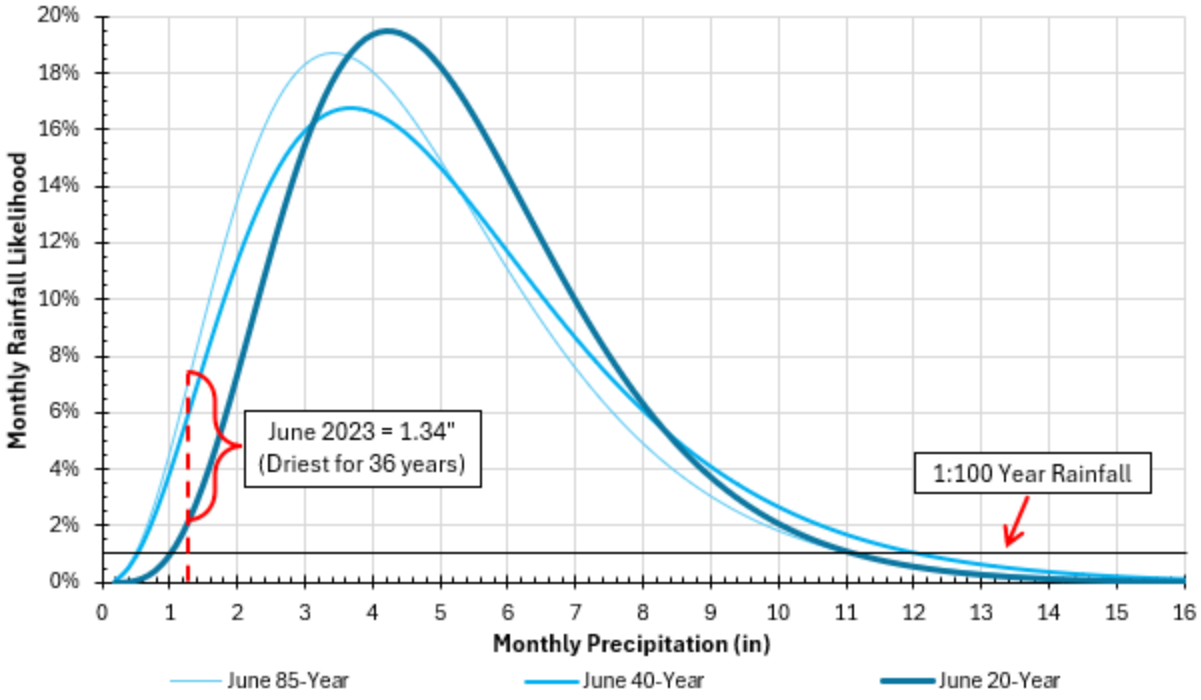



**Figure 4 – Rochester June Rainfall Gamma Distribution**

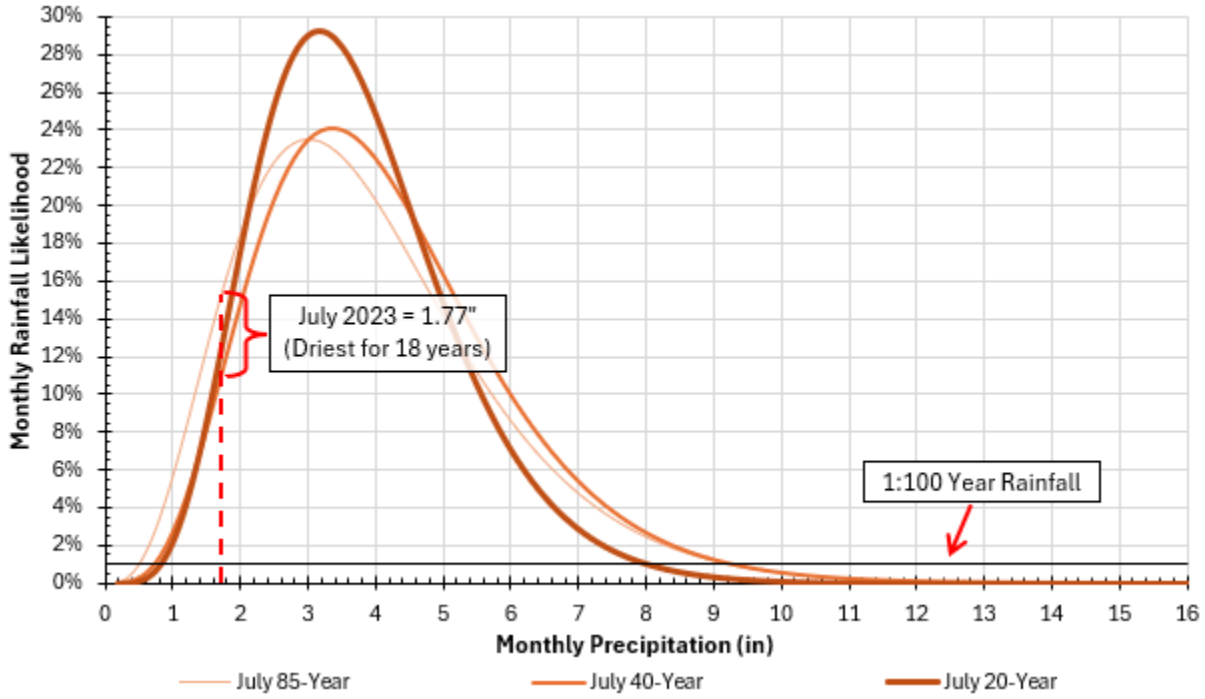



**Figure 5 – Rochester July Rainfall Gamma Distribution**

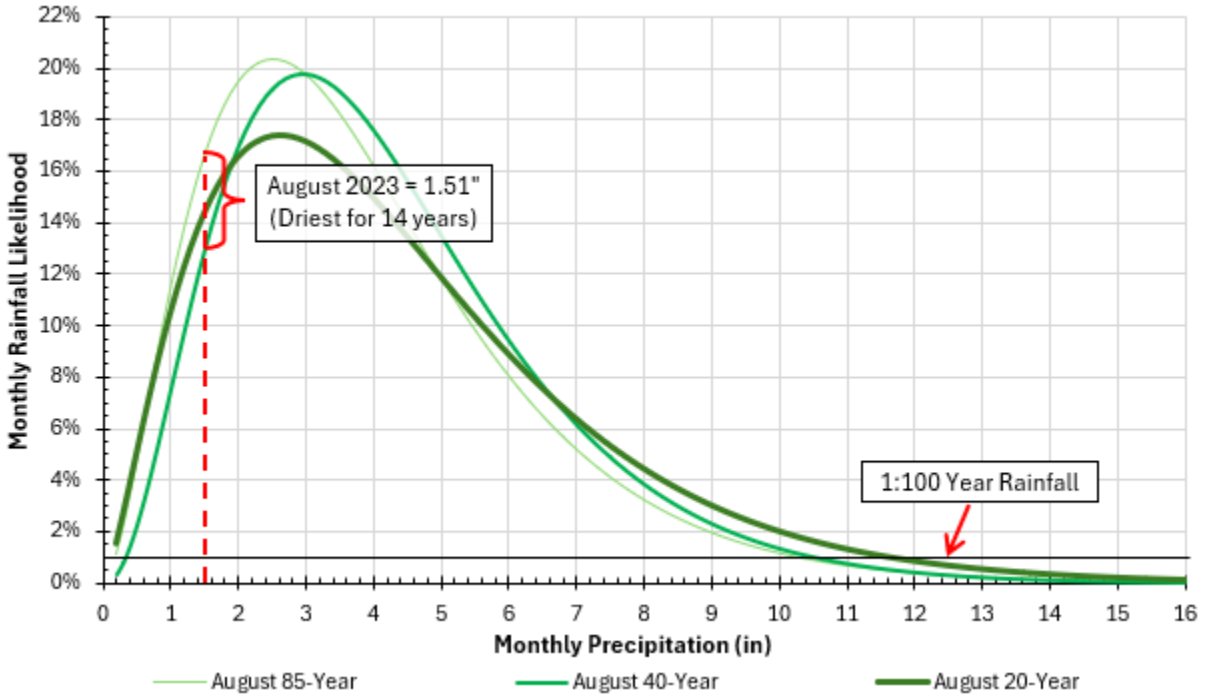



**Figure 6 – Rochester August Rainfall Gamma Distribution**

When the rainfall data is compared to total production values for each month (see **Figure 7**) June tends to have the strongest inverse correlation between total water production and monthly rainfall data. July and August have progressively less correlation between total water produced and monthly rainfall. The higher correlation in June is likely based on customer habits of being eager to maintain a green lawn early in the season. However, enthusiasm appears to wane if a dry summer continues, possibly caused by much higher water bills and behavioral fatigue.

Per capita usage for the peak day was extrapolated using the June data, and the 20-year data set for a 1 in 100-year dry period of 1.0 inch for the month. This results in an estimated future peak day per-capita water usage of 227 gallons per day per capita (gpdc).

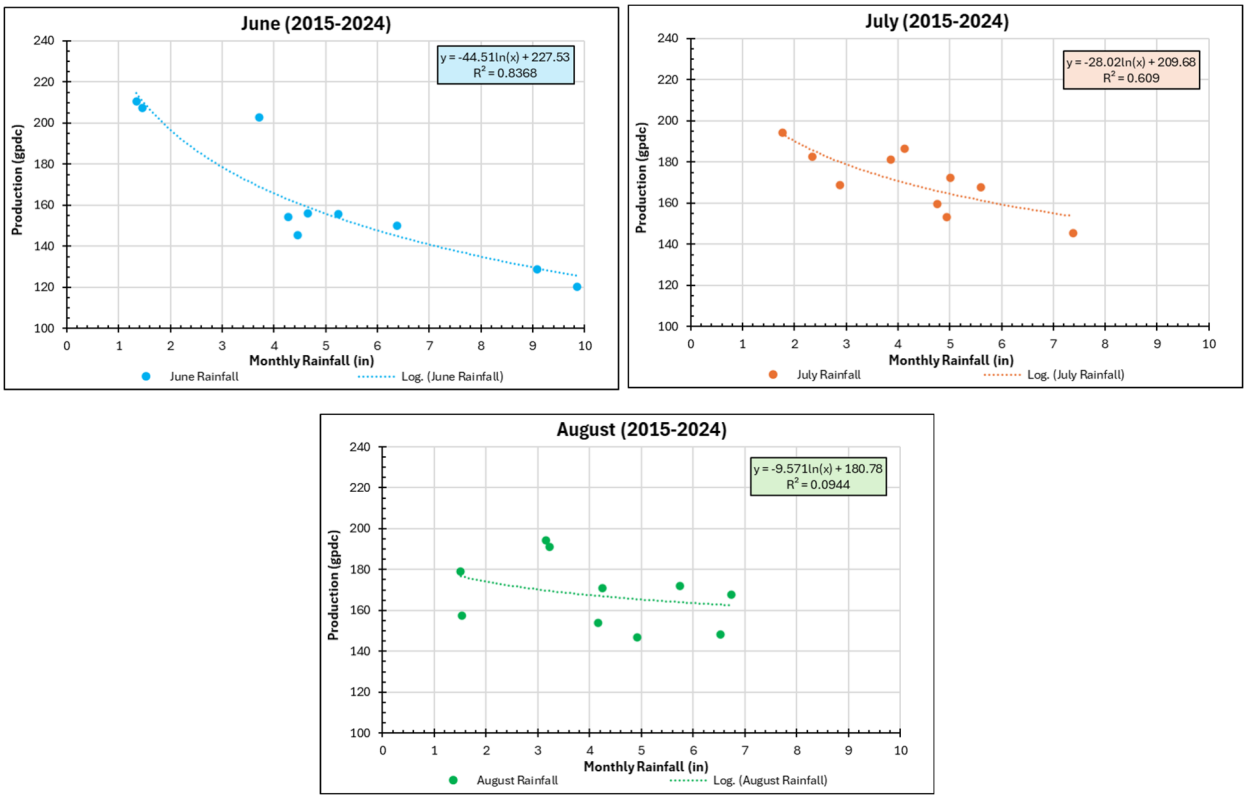



**Figure 7 – Peak Day Production Rainfall Impacts**

## Per-Capita Usage Projections

Historic trends in per-capita usage (shown in **Figure 8**) were broken down by:

- Indoor (winter) Usage (December – March; light blue lines)
- Average Day Usage (entire yearly data; dark blue lines)
- Summer Usage (June – August; orange lines)
- Outdoor Usage (summer minus winter; green lines)
- Peak Day Usage (red lines)

**Figure 8** shows the per capita water usage between 2015 and 2025 for the indoor, outdoor, average day, average summer day, and peak day (solid lines). The corresponding dotted lines represent the linear trend for each category for the last ten years.

"Design" values for average, summer, outdoor, and peak day production were used to account for a 1 in 100-year dry June based on the previous 20 years of rainfall data in Rochester, as described in greater detail in the previous section. These "design" values were extrapolated to represent the per-capita production rate for a 1 in 100-year dry summer period. This increases the initial starting point for the projected average, summer, outdoor, and peak day per-capita usages, as the 1 in 100-year dry period can occur during any of the projected future years.

## Indoor Water Usage

Indoor water use accounts for approximately 90 percent of total annual water demand and about 60 percent of demand during an average summer day. Indoor use is estimated by averaging daily water production between December and March, when outdoor use is negligible. Nationally, indoor water use has been steadily declining as older, less efficient fixtures are replaced with high-efficiency appliances such as low-flow toilets, flow-restricted showerheads, and high-efficiency washing machines and dishwashers. This downward trend is expected to continue; however, the rate of reduction will likely slow over time, as opportunities for additional water savings are finite. The indoor water usage averaged around 79 gallons per day per capita (gpdc) in 2025. Projected into the future, a 2065 indoor water usage is anticipated to drop around 8 percent to 73 gpdc, with 70 gpdc being the minimum indoor production rate at full buildout beyond 2065.

## Average Day Water Usage

The water used averaged throughout the entire year is the average day demand, which is heavily impacted by indoor usage. Indoor usage constitutes about 75-80 percent of the total annual volume of water consumed. Since outdoor usage is expected to remain mostly constant, a smaller 6 percent drop in average day per capita water usage is expected, decreasing the current average of 110 gpdc in 2025 to 104 gpdc by 2065, with 100 gpdc being the minimum average production rate at full buildout beyond 2065.

## Average Summer Usage

Summer water usage is calculated as the average demand of the peak two-month period of each season, typically occurring between June 1$^{st}$ and August 31$^{st}$. Since the indoor usage constitutes about half of the average summer production, the average summer production rate is also expected to slowly decrease from a design peak of 169 gpdc in 2025 to 163 gpdc in 2065, with a minimum average summer production rate at full buildout of 160 gpdc beyond 2065. This drop from 2025 to 2065 represents an approximate 4 percent drop in average per capita summer usage. The design 169 gpdc value was used to account for a 1 in 100-year dry period based on the last 20-years of rainfall data.

## Outdoor Water Usage

Over the past ten years, outdoor water use has trended upward, but this consumption type is greatly impacted by the weather conditions. Hotter and drier summers like those that occurred in 2021 and 2023 will greatly increase the outdoor water usage, while cooler and wetter summers like those that occurred in 2019 and 2022 have the opposite effect.

Outdoor water usage was calculated as the difference between summer and indoor (winter) usage. Outdoor water use has generally increased over the past 10 years; however, this trend appears to be driven primarily by several abnormally dry years, particularly 2021 and 2023. Outdoor demand is strongly influenced by rainfall, and when precipitation effects are removed, no significant long-term change in outdoor use is observed. Based on this finding, a peak design value of 90 gpdc was selected and assumed to remain constant through 2065. This value may decline slightly in the future as drought-tolerant landscaping, native plantings, and shifting preferences among businesses and homeowners reduce outdoor irrigation demand. Additionally, the 90 gpdc outdoor production rate is not likely to occur every year, only under the 1 in 100-year dry period based on the previous 20-year data described in the previous section.

## Peak Day Usage

The design peak day production rates were calculated based on the previous production rates and compared to the monthly rainfall totals. Considering a 1 in 100-year dry period based on the previous 20-year production and rainfall data, a 2025 per-capita production rate of 227 gpdc was chosen. Since the peak day is impacted by indoor usage, to a lesser extent, the 2065 per-capita peak day production rate of 220 gpdc was used (a 3 percent reduction), with a full buildout minimum peak day per-capita production rate of 210 gpdc beyond 2065.

**Table 1** shows the current and future projected per-capita production rates as well as the full buildout minimum values for each category. A yearly breakdown of each per-capita production rate is also provided in **Appendix A**.

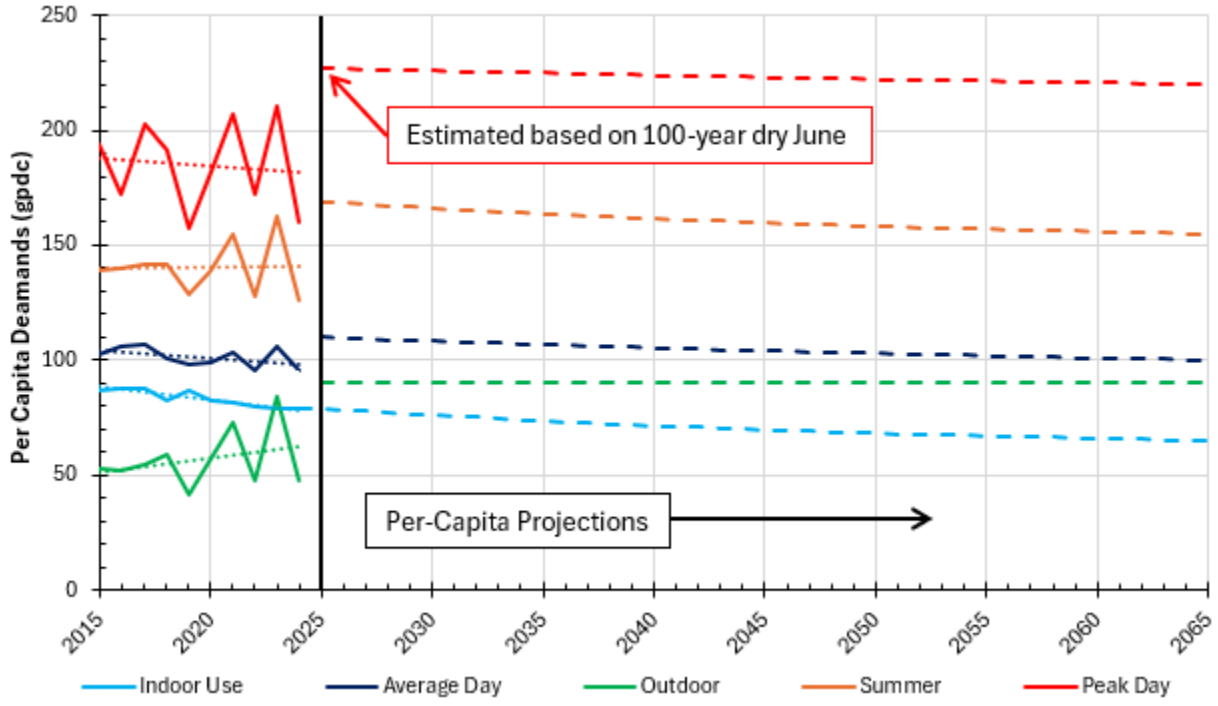



**Figure 8 – Historic and Projected Per-Capita Water Usage**

**Table 1 – Current and Future Per-Capita Production Estimates**

| Per-Capita Usage Type | 2025 | 2065 | Future Floor |
|---|---|---|---|
| Indoor | 79 | 73 | 70 |
| Average Day | 110 | 100 | 90 |
| Outdoor | 90 | 90 | 90 |
| Summer[1] | 169 | 155 | 150 |
| Peak Day[2] | 227 | 220 | 210 |

[1]Summer per-capita usage is the sum of indoor and outdoor water usage.
[2]Based on a 1 in 100-year dry June using the most recent 20-years of rainfall data (2005-2025).

## CONSERVATION ASSUMPTIONS

The per-capita production estimates above assume RPU continues its proactive water conservation education and rebate programs to reduce overall demand. In addition, the estimates assume RPU implements new outdoor water-use conservation programs to offset the current upward trend in lawn irrigation. If these programs become less effective over time, actual per-capita demands may exceed the estimates shown in the table above.

RPU expects per-capita indoor water use to continue declining, but at a slowing rate as the use of efficient fixtures and appliances becomes saturated and the remaining indoor demand is increasingly essential, resulting in diminishing marginal savings. RPU also anticipates some

degree of demand hardening, meaning that as baseline use becomes more efficient, less discretionary demand remains available for future reductions, particularly during peak-use periods or shortage conditions. The estimates in **Table 1** already account for a substantial decrease in industrial water consumption for Rochester, as high water use customers have already declined and stabilized within the service area.

## Projected Future Per-Capita Production Estimates

The future production rates estimated to be needed through 2065 are shown in **Figure 9** and **Table 2**. Using the production-based method, the projected 2065 peak day demand is approximately 42.2 MGD, while average summer production during dry conditions is expected to be closer to 31.5 MGD. The average day demand is expected to increase by around 5.5 MGD by 2065 from 14.5 to 20.0 MGD, with indoor (winter) usage only expected to increase by around 3.6 MGD from 10.4 to 14.0 MGD by 2065.

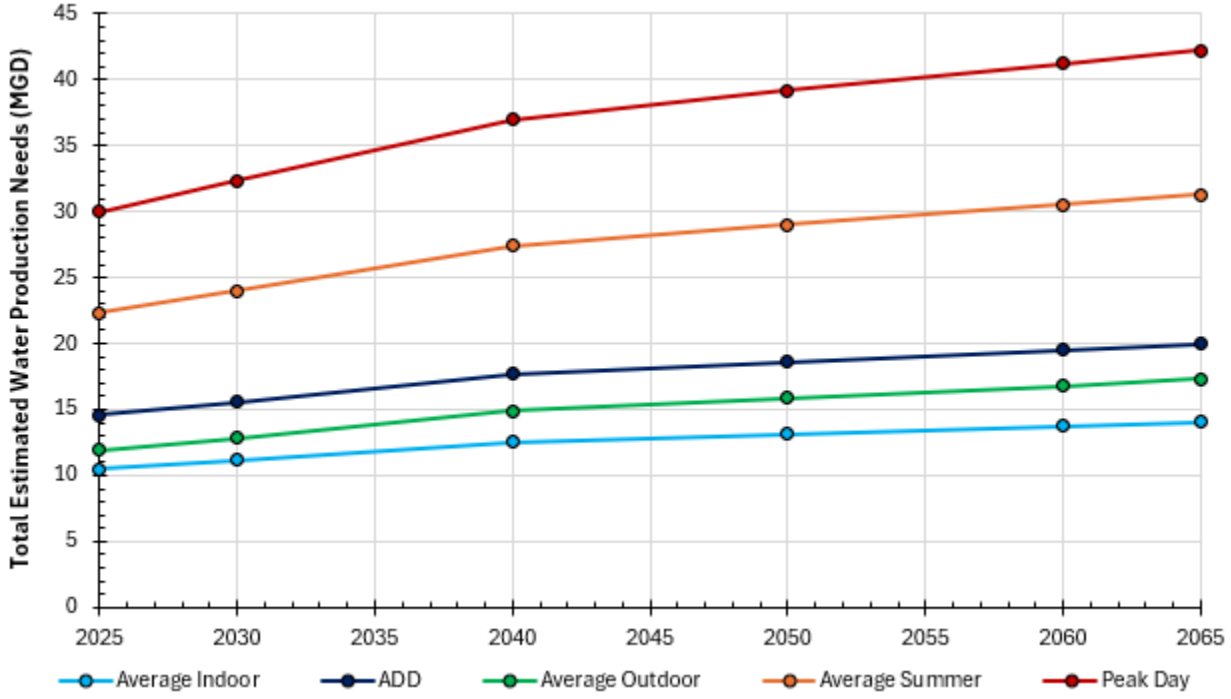



**Figure 9 – Per Capita Future Demand Projections**

**Table 2 – Projected Future Per-Capita Production Estimates**

| Year | Population | Indoor (MGD) | ADD (MGD) | Outdoor (MGD) | Summer (MGD)[1] | Peak Day (MGD)[2] |
|---|---|---|---|---|---|---|
| 2025 | 121,395 | 10.4 | 14.5 | 11.9 | 22.3 | 30.0 |
| 2030 | 143,000 | 11.1 | 15.6 | 12.9 | 24.0 | 32.3 |
| 2040 | 165,000 | 12.5 | 17.7 | 14.9 | 27.4 | 36.9 |
| 2050 | 176,220 | 13.1 | 18.6 | 15.9 | 29.0 | 39.2 |
| 2060 | 186,740 | 13.7 | 19.5 | 16.8 | 30.5 | 41.2 |
| 2065 | 192,000 | 14.0 | 20.0 | 17.3 | 31.3 | 42.2 |

[1]Summer per-capita usage is the sum of indoor and outdoor water usage.
[2]Based on a 1 in 100-year dry June using the most recent 20-years of rainfall data (2005-2025).

# Land Use (Consumption-Based) Demand Projections

Several different land use types were created as a part of the Rochester comprehensive planning process. **Figure 1** provides a map of the future land use categories taken from the *Rochester Comprehensive Plan 2040* (Comp Plan). As part of this study, and in coordination with the RPU and Rochester Community Development, one additional land use type, *Heavy Industrial,* was added and replaced the industrial area just south of the airport.

Each land parcel that was associated with a water meter was grouped into its respective land use category. Water consumption was then characterized by land use type, and ranges of land use water demand rates were calculated for each land use type based on water consumption data from the previous five years.

Future developable parcels were modified and detailed in **Figure 11**. These future parcels were edited to remove the undevelopable areas shown in **Figure 10**. Future growth rates for each of these potentially developable parcels were estimated using data from both the growth management plan as defined in the Comp Plan and the transportation analysis zone (TAZ) data from the ROCOG Metropolitan Transportation Plan (see **Figure 14**).

Demand projections for a low, target, and high range were created for growth phases expected to occur in 2030, 2040, 2050, and 2065.

## Existing Land Use Characterization

As shown in **Figure 1**, 18 different land use types were developed (plus one new one), which include:

- (1) Low-, (2) Medium-, and (3) High-Density Residential
- (4) Traditional Core Neighborhood
- (5) Downtown Core, and (6) Downtown Fringe
- (7) Mixed Use Transit-Oriented Centers
- (8) Mixed Use Transit-Supportive Corridors
- (9) Transit-Supportive Neighborhood
- (10) Commercial and Business Development
- (11) Industrial
- (12) Small Employment Development
- (13) Medical Campus
- (14) Educational Campus
- (15) Civic and (16) Airport Facilities
- (17) Parks and Open Spaces
- (18) Urban Reserve (Assumed to be 80/20 low-density/medium-density residential, with commercial along transportation corridors)
- (19) Heavy Industrial – *Added* to account for a possible future larger industrial user(s).

## Undevelopable Areas

A part of determining the land-use factors for future development involved removing undevelopable areas, as shown in **Figure 10** from the future parcels. These areas included wetlands, steep slopes (greater than 15 degrees), flood plains, and the Decorah Edge.

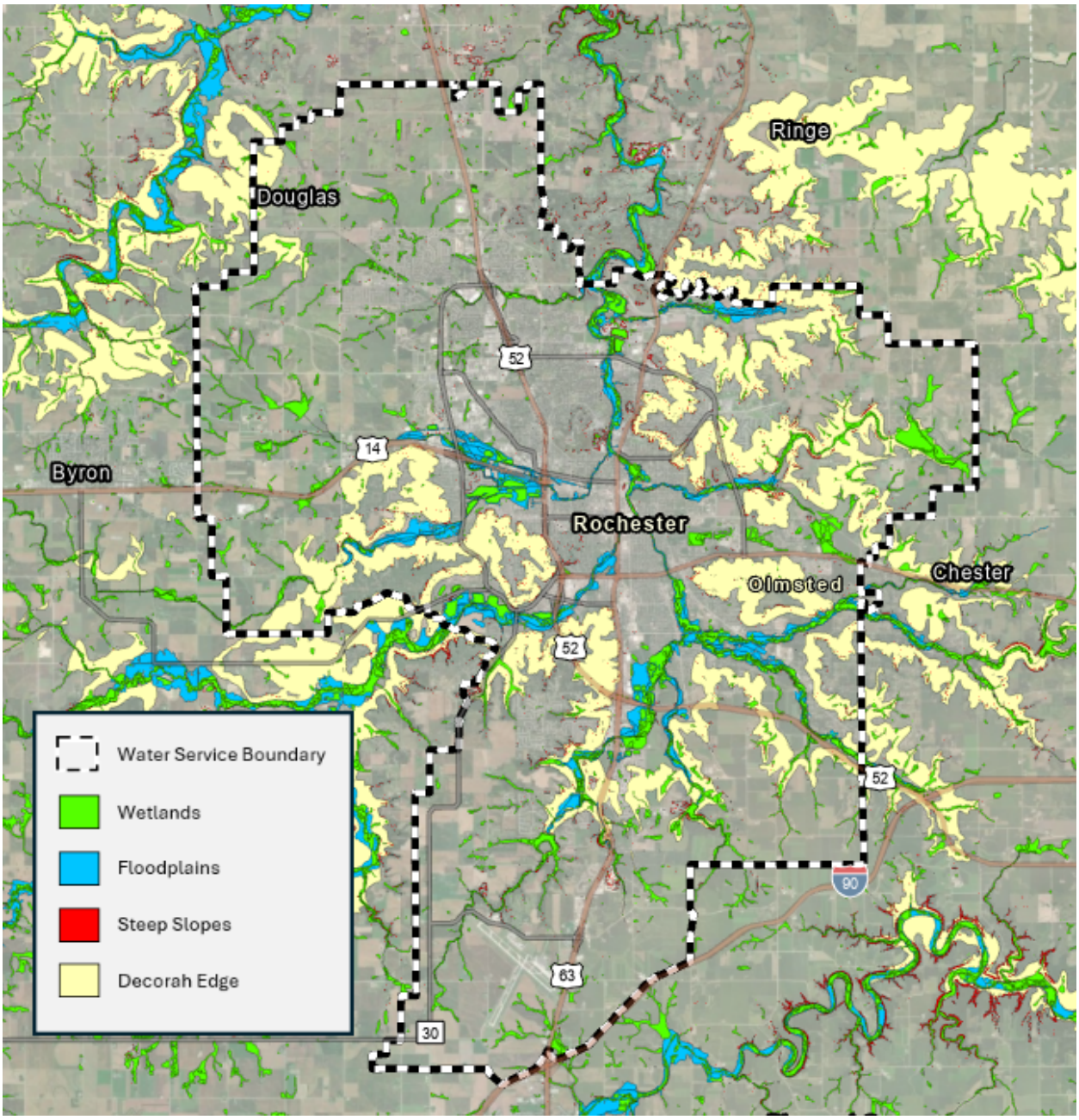



**Figure 10 – Future Undevelopable Areas**

## Undefined and Urban Reserve Future Demands

Part of the growth areas shown in **Figure 1** contains categories defined as *Urban Reserve* and *Undefined*. One of the objectives of the land use planning meeting, which occurred on

November 5th, 2025, between the RPU, Jacobs, AE2S, and Rochester Community Development teams, was to define the land use characterization for Urban Reserve and Undefined categories. It was agreed that assuming these categories would consist of 80 percent low-density residential and 20 percent high-density residential would be appropriate. The only exception would be directly adjacent to the larger transportation corridors (Highways 14, 52, and 63), there would be a roughly 0.5-mile-wide section of Commercial and Business Development. This modification to the future land use types is shown for the developable parcels in **Figure 11**.

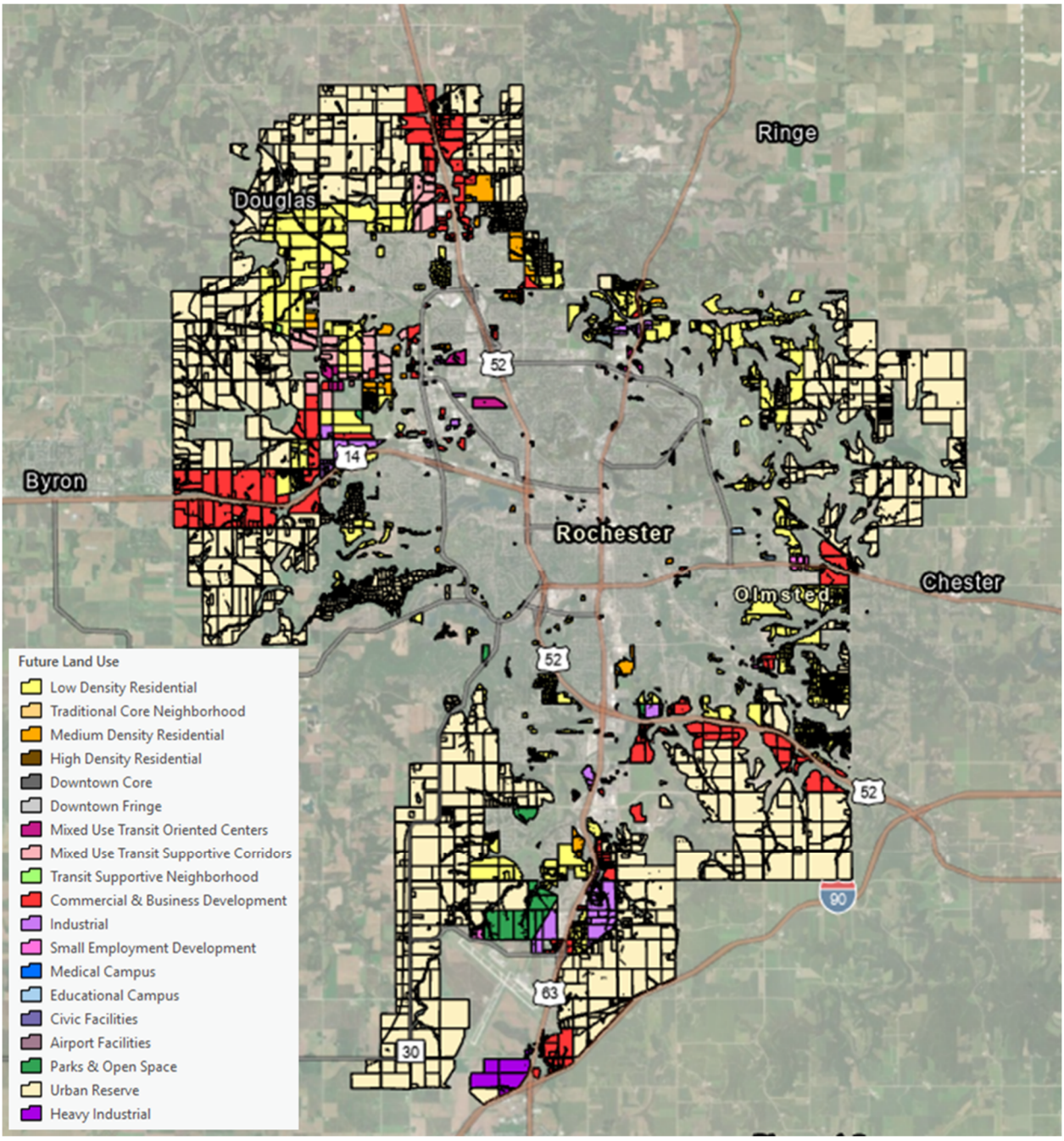



**Figure 11 – Future Developable Parcels and Updated Future Land Use Types**

## Mayo Clinic and Destination Medical Center (DMC) Future Water Needs

Planning for potential growth for the Mayo Clinic and the DMC was given special consideration, as a land-use-based analysis may not fully capture the anticipated growth, especially growth that is intended to not only be horizontal, but vertical as well. The Mayo Clinic *2023 Five-Year Plan Update* was used to guide the anticipated short-term (through 2030) and assumed long-term growth through 2065, a copy is included in **Appendix C**.

The expansion of the DMC will involve growth and redevelopment of medical, residential, commercial, and research facilities, all of which will influence future water demands in the area. Anticipated growth is represented using appropriate land-use-based demand factors. The DMC plan also includes a strong sustainability initiative, with a goal of reducing water consumption in new and redeveloped areas by up to 35 percent. Apart from the land-use growth associated with the DMC, additional redevelopment is not expected to significantly impact the future water demand projections presented in this memorandum.

Additional growth in the Page 23 of the *2023 Five-Year Plan Update* details the growth potential planned for the next five years in terms of floor area ratio (FAR). For the larger Central Sub-District (Downtown Campus) the maximum FAR is expected to increase from 3.13 to 3.88, with a maximum buildout FAR of 6.0. The West Sub-District (Saint Mary's Campus) was expected to remain largely unchanged between 2025 and 2030, with a FAR of 1.42 and a maximum buildout FAR of 4.0.

To assist with estimating the future demands for the Mayo Clinic Campuses, the current average and peak month demands for all metered Mayo Clinic buildings, shown on Page 18 of the *2023 Five-Year Plan Update,* were divided by total building areas for the Central and West Sub-Districts to estimate the usage per building area. **Figure 12** shows the variation in demand per square foot of building area for the existing system over the past five years for both the Central and West Sub-Districts. From the characterization of the existing demands, a usage rate of between 0.07 gpd/ft$^2$ and 0.14 gpd/ft$^2$ was used to estimate future demand needs. While both campuses use water differently, the largest usage rate for either campus was used for future projections for both campuses. The total land available was assumed to remain constant, with the FAR increasing to 6.0 and 4.0 for the Central and West Sub-Districts through 2065, respectively. **Table 3** and **Figure 13** show the projected future demands for the DMC medical campus. The growth rate projected for the next five years was assumed to continue at the same rate through 2065. Growth beyond 2065 is possible, assuming additional land is purchased. The FAR-based demand estimates for the Mayo Clinic replace the parcel-based land use demand for future growth estimates.

The Downtown campus (Central Sub-District) is located in the Main level pressure zone, while St. Mary's campus (West Sub-District) is located within the Baihly High Level pressure zone. The Master Plan will address the limited storage and redundant pumping capacity for St Mary's (Baihly High Level) in subsequent reports, which will be an important outcome from the master

planning efforts. The increased demands for each campus will be spatially allocated for the future conditions in the hydraulic model. This will enable the project team to better assess the capital improvement needs to ensure the Mayo campuses are supplied with a reliable source of water to meet all future water needs.

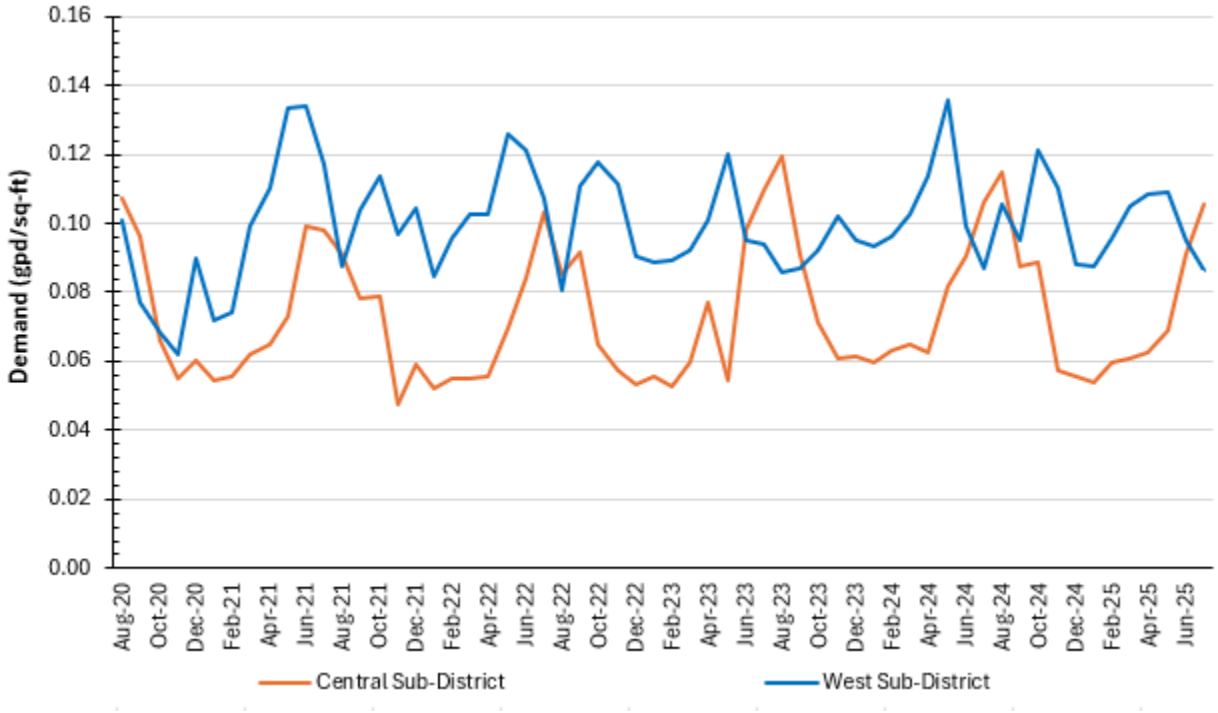



**Figure 12 – Mayo Clinic Existing Demands – gallons per day per building square feet**

**Table 3 – Mayo Clinic Projected Demand Increase**

| Future Scenario | Building Area ($ft^2$) | Land Area ($ft^2$) | Average ($gpd/ft^2$) | Peak ($gpd/ft^2$) | Floor Area Ratio (FAR) | Average Month (MGD) | Peak Month (MGD) |
|---|---|---|---|---|---|---|---|
| **Existing** | | | | | | | |
| *Central Sub-District* | 7,885,402 | 2,518,037 | 0.07 | 0.10 | 3.13 | 0.55 | 0.79 |
| *West Sub-District* | 3,394,564 | 2,391,576 | 0.12 | 0.14 | 1.42 | 0.41 | 0.48 |
| ***Total Existing*** | ***13,146,681*** | ***4,909,613*** | | | | ***0.96*** | ***1.27*** |
| **Future (5-year)** | | | | | | | |
| *Central Sub-District* | 9,760,955 | 2,518,037 | 0.07 | 0.10 | 3.88 | 0.68 | 0.98 |
| *West Sub-District* | 3,385,726 | 2,391,576 | 0.12 | 0.14 | 1.42 | 0.41 | 0.47 |
| ***Total 5-Year*** | | | | | | **1.09** | **1.45** |
| **Buildout (2065)** | | | | | | | |
| *Central Sub-District* | 15,108,222 | 2,518,037 | 0.07 | 0.10 | 6.0 | 1.06 | 1.51 |
| *West Sub-District* | 9,566,304 | 2,391,576 | 0.12 | 0.14 | 4.0 | 1.15 | 1.34 |
| ***Total 2065*** | | | | | | **2.21** | **2.85** |

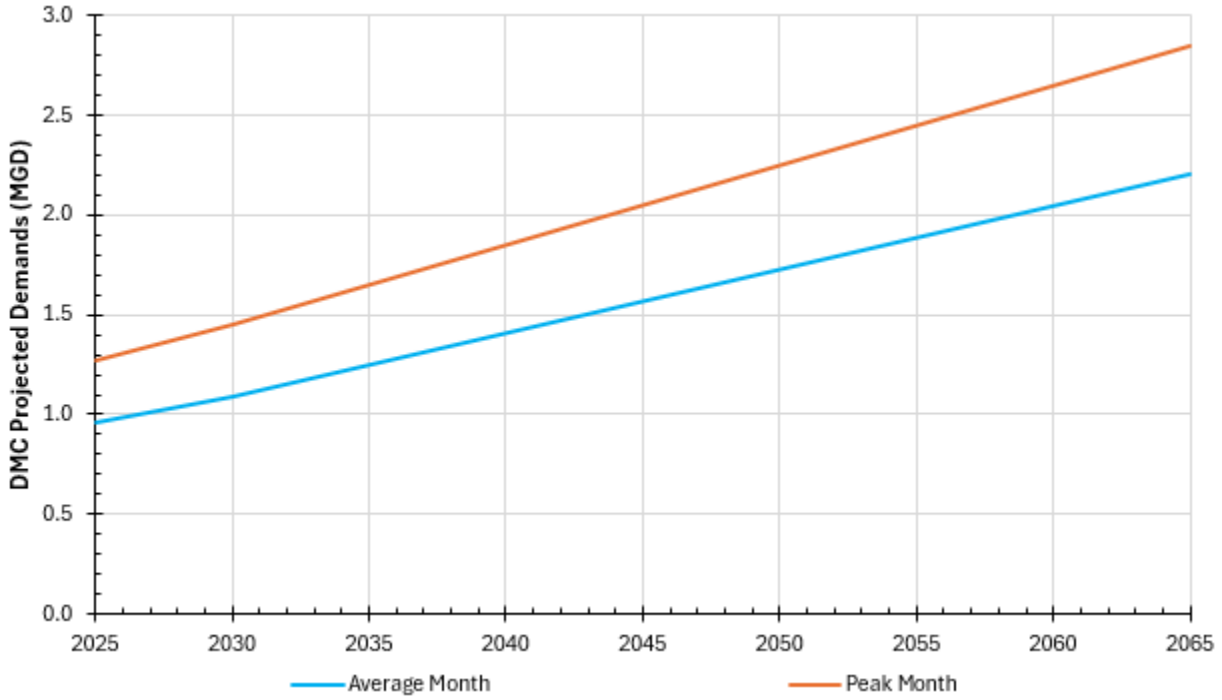



**Figure 13 – Estimated Future Mayo Clinic Water Demands**

## Traffic Analysis Zones (TAZ) and Growth Management Boundaries

The ROCOG Metropolitan Transportation Plan and the 2040 Comp Plan growth management boundaries were used to help identify which future parcels were likely to develop first. While neither plan perfectly aligns, they both provide a helpful check to guide the growth staging for the city of Rochester.

The TAZ data was divided into five separate growth tiers, and the growth management plan has five key boundaries described below:

1. Existing City Service Area – Area currently being served by the RPU system
2. Near-Term Urban Expansion – Area where sanitary sewer is readily available and can support urban-style development
3. Near-Term Urban Expansion (Capacity Constrained) – Areas with constrained access to sanitary sewer due to potential upgrades within the system or the need for sewer extension, and are included in the City of Rochester's five-year Capital Improvement Plan
4. Long-Term Urban Expansion – Areas that the City plans to serve with sanitary sewer within the next 10 to 25 years.
5. Urban Reserve Area Beyond 2050 – Areas that the City plans to serve with sanitary sewer, but not until after 2050.

**Figure 14** shows the TAZ and the Growth Management Boundaries overlaid together. From the map, areas to the northwest, toward Douglass, and toward the northeast are the most likely to develop. Each developable parcel shown in **Figure 11** was grouped into a TAZ tier as well as its

respective growth management boundary. Growth was then determined by a graded scale, assuming the TAZ Tier 5 parcels would develop first and the TAZ Tier 1 parcels would develop the least. The percentage growth for each parcel was then adjusted by year and the Growth Management boundary within which the parcel was located.

For example, 61 percent of the parcel area located within the "Near Term Urban Expansion" Growth Management Boundary and within a TAZ Tier 4 zone were estimated to be developed by 2040. For future parcels not considering right-of-way (area used for roadways, detention basins, etc.), a 15 percent factor was applied as the original land use demand rates were calculated from parcels without the right-of-way elements included. The percentages for each category were modified to roughly match estimated demand based on the results from the per-capita (production-based) demand projections and are shown in **Table 4**.

The growth phasing also considered the following assumptions:

- Non-Revenue Water = 10%
- Right-of-way = 15%
- Persons per household = 2.35
- Low-Density Housing Units per Acre = 4
- Medium Density Housing Units per Acre = 10

These assumptions were used to determine how much area would be developed based on the anticipated population increase. **Appendix B** provides an overview of the anticipated growth phasing through 2065.

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**Table 4 – Growth for Each Developable Parcel per TAZ and Growth Management Zone**

| Infill (Existing RPU Service Area) | TAZ Tier 5 | TAZ Tier 4 | TAZ Tier 3 | TAZ Tier 2 | TAZ Tier 1 |
|---|---|---|---|---|---|
| 2030 | 45% | 43% | 37% | 22% | 0% |
| 2040 | 65% | 62% | 54% | 31% | 0% |
| 2050 | 75% | 71% | 62% | 36% | 0% |
| 2065 | 90% | 85% | 74% | 43% | 5% |

| Near Term Urban Expansion | TAZ Tier 5 | TAZ Tier 4 | TAZ Tier 3 | TAZ Tier 2 | TAZ Tier 1 |
|---|---|---|---|---|---|
| 2030 | 23% | 22% | 19% | 11% | 0% |
| 2040 | 64% | 61% | 53% | 31% | 0% |
| 2050 | 75% | 71% | 62% | 36% | 0% |
| 2065 | 90% | 85% | 74% | 43% | 5% |

| Near Term Urban Expansion - Capacity Contrained | TAZ Tier 5 | TAZ Tier 4 | TAZ Tier 3 | TAZ Tier 2 | TAZ Tier 1 |
|---|---|---|---|---|---|
| 2030 | 5% | 5% | 4% | 2% | 0% |
| 2040 | 48% | 46% | 40% | 23% | 0% |
| 2050 | 75% | 71% | 62% | 36% | 0% |
| 2065 | 90% | 85% | 74% | 43% | 5% |

| Long-Term Urban Expansion | TAZ Tier 5 | TAZ Tier 4 | TAZ Tier 3 | TAZ Tier 2 | TAZ Tier 1 |
|---|---|---|---|---|---|
| 2030 | 0% | 0% | 0% | 0% | 0% |
| 2040 | 35% | 33% | 29% | 17% | 0% |
| 2050 | 55% | 52% | 45% | 26% | 0% |
| 2065 | 90% | 85% | 74% | 43% | 5% |

| Urban Reserve Beyond 2050 | TAZ Tier 5 | TAZ Tier 4 | TAZ Tier 3 | TAZ Tier 2 | TAZ Tier 1 |
|---|---|---|---|---|---|
| 2030 | 0% | 0% | 0% | 0% | 0% |
| 2040 | 5% | 5% | 4% | 2% | 0% |
| 2050 | 37% | 35% | 31% | 18% | 0% |
| 2065 | 86% | 82% | 71% | 41% | 5% |

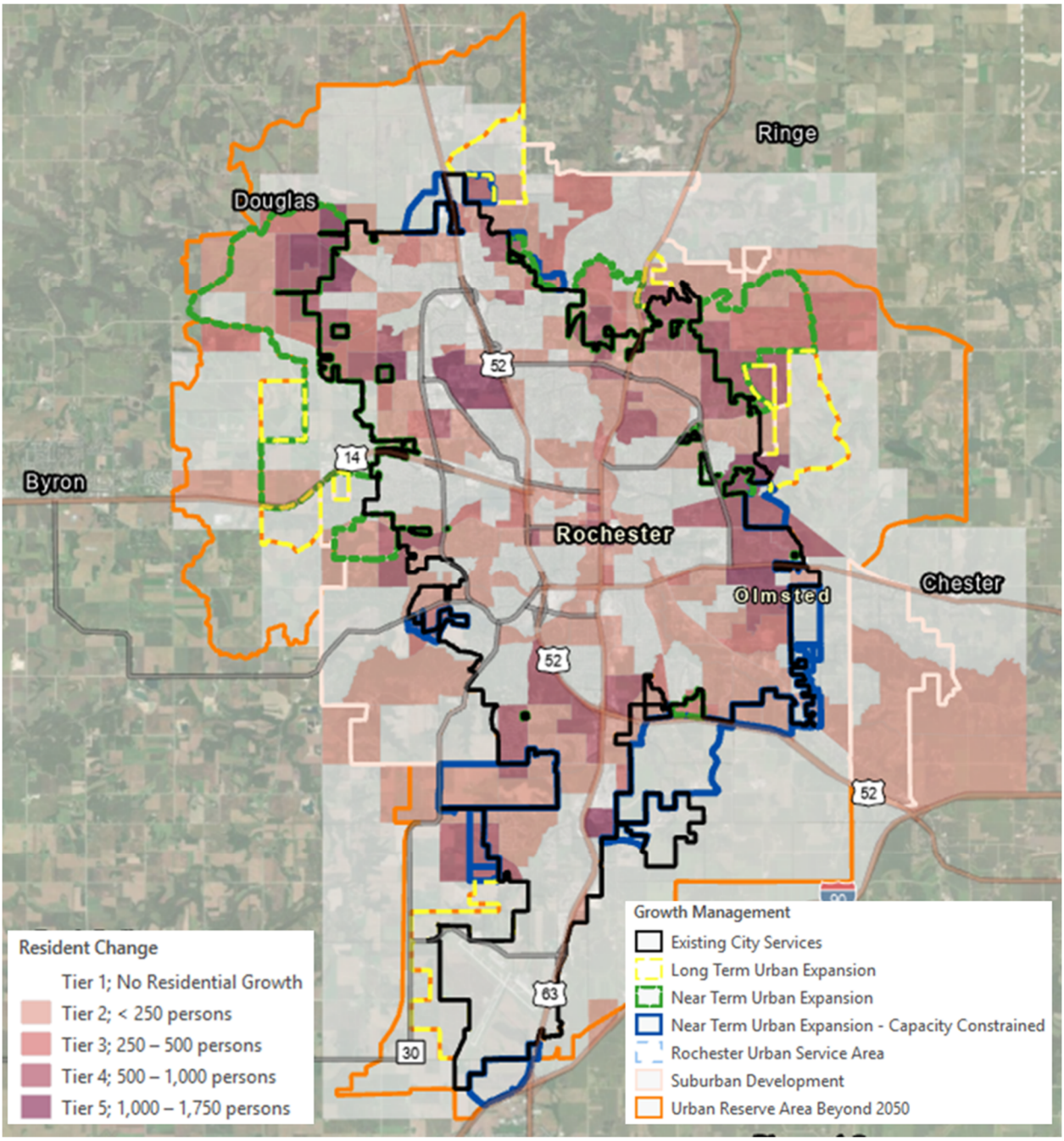


**Figure 14 – TAZ and Growth Management Boundaries**

## Future Parcel Analysis

RPU provided AE2S with a GIS layer including all of the parcel data within Olmsted County. Each parcel was tied to its corresponding future land use type as shown in **Figure 1**. The water use for each parcel was characterized by average, or shoulder, conditions and peak month conditions. The primary categories marked in red text in **Figure 15** through **Figure 18** represent major user categories and were further broken down into smaller sub-categories to better understand the water consumption for these major user classes.

**Figure 15** and **Figure 16** show the land use demand rate statistics for average conditions and **Figure 17** and **Figure 18** show the land use demand rate statistics for peak month conditions. All of the land use demand rates were compiled for each land use type. To clean up the data, the top and bottom 5 percent of the values were removed to help eliminate most of the outliers that tended to skew the data. The land use demand rate data sets with the outliers removed were referred to as the *adjusted* data sets. The boxes and whiskers in these plots below represent the adjusted data, with the whiskers representing the top and bottom 5 percent, and the boxes representing the top and bottom 25 percent of the land use demand rates, with the lines between the boxes representing the median value. The blue dots in the figures show the original average of each data set without the outliers removed, while the white dots show the average of the adjusted of each data set with the outliers removed.

The approach used to estimate the target future land use demand rate for each land use type, which are marked as green squares in the following figures, and is detailed in **Table 5** below, generally included using a value between the adjusted and average land use demand rates. However, the approach also included considerations for the following:

- Comparing the average values to the top 75 percent values (top of the boxes in the previous figures);
- Reviewing the sub-categories, particularly for commercial and residential, which make up a significant portion of the data;
- Comparing land use demand factors to other similar-sized communities in the area;
- Comparing final total demand estimates to the values calculated through the per-capita (production-based) analysis in the previous sections.
- Adjusting the DMC medical campus values to align with the future estimated demands discussed previously.

These land use demand rates were multiplied by the total developable parcel area for each of the analysis years to determine the anticipated future demands.

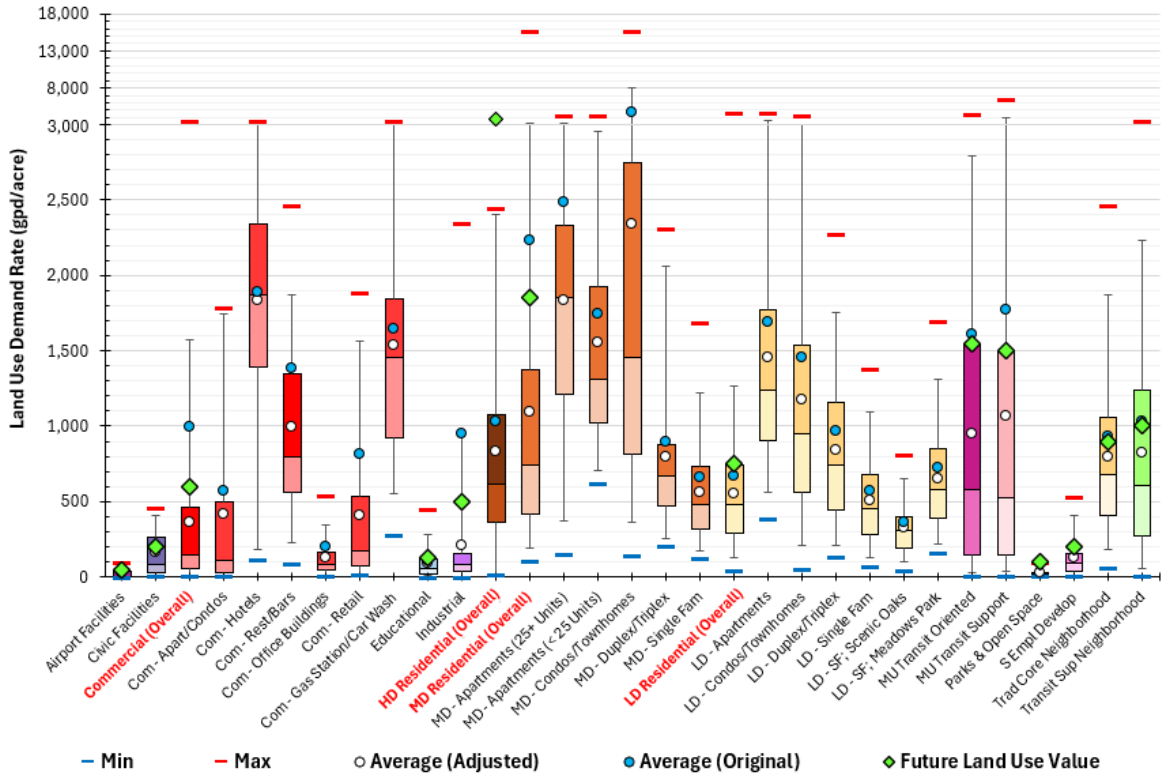


**Figure 15 – Average Day Land Use Demand Rate Factors (1 of 2)**

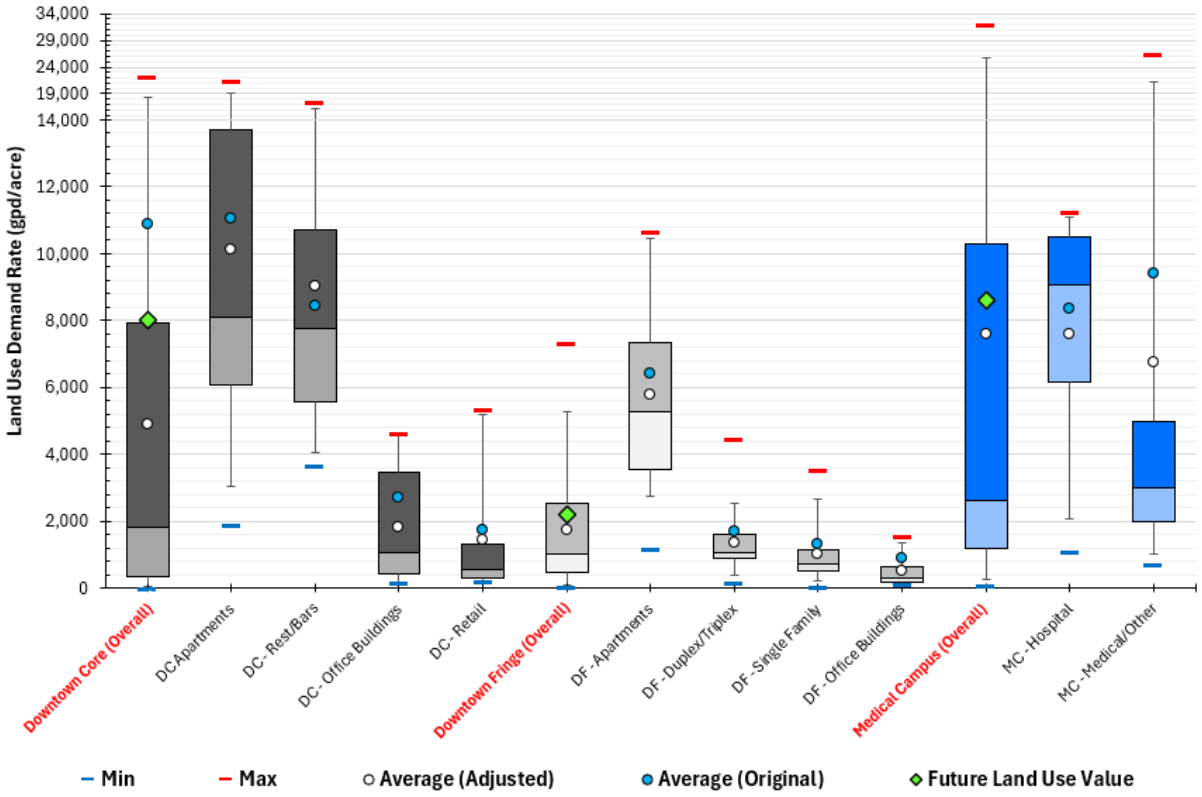


**Figure 16 – Average Day Land Use Demand Rate Factors (2 of 2)**

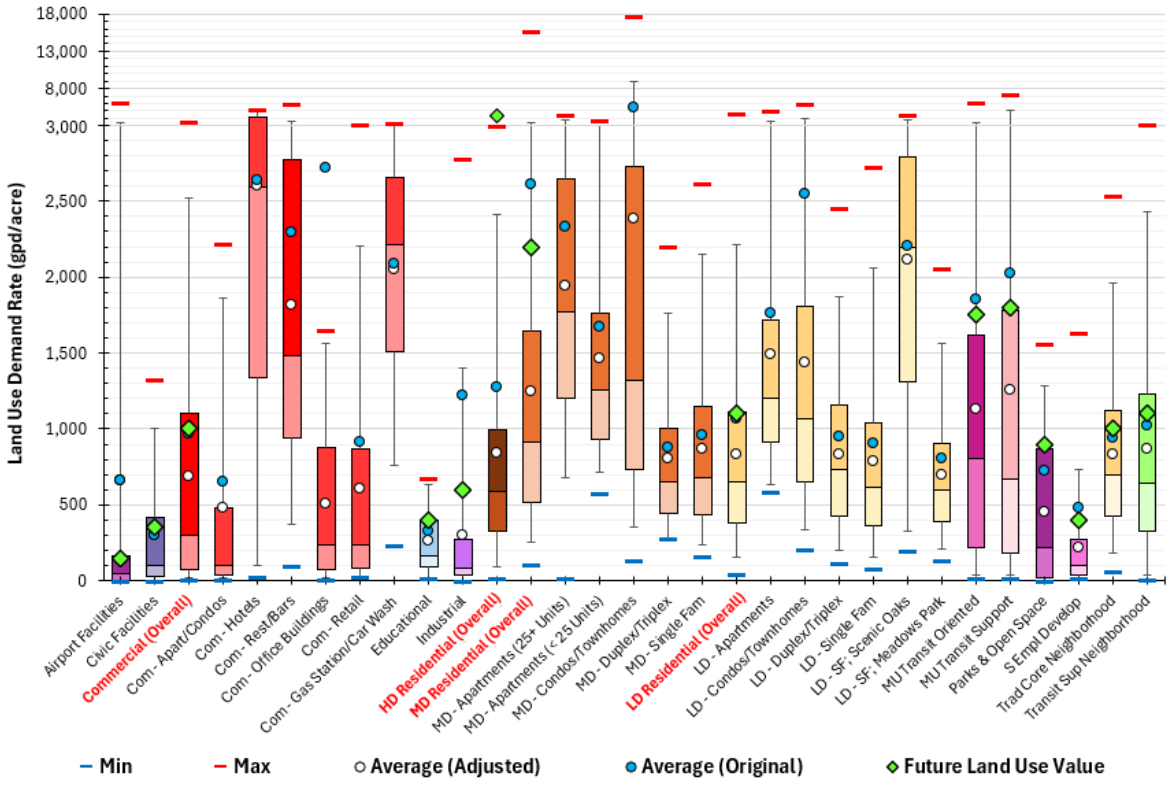


**Figure 17 – Peak Month Land Use Demand Rate Factors (1 of 2)**

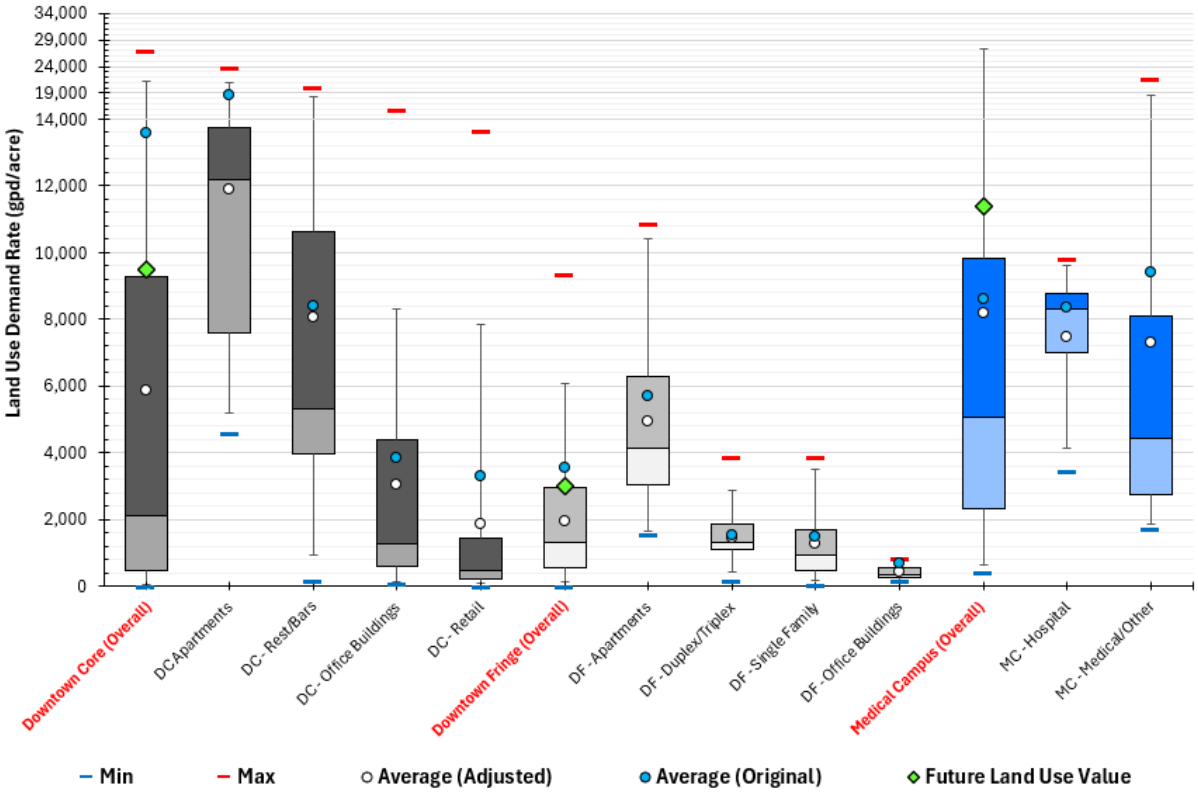


**Figure 18 – Peak Month Land Use Demand Rate Factors (2 of 2)**

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## Table 5 – Land Use Demand Rate Factors

| | ADD (gpd/acre) | | | Peak Month (gpd/acre) | | | Peak Month to Peak Day |
|---|---|---|---|---|---|---|---|
| **Landuse Type** | **Low** | **Target** | **High** | **Low** | **Target** | **High** | |
| Airport Facilities | 10 | 50 | 60 | 140 | 150 | 160 | 2.00 |
| Civic Facilities | 100 | 200 | 300 | 200 | 350 | 500 | 1.25 |
| Educational Campus | 100 | 125 | 200 | 250 | 400 | 500 | 1.25 |
| Industrial | 250 | 500 | 1,000 | 350 | 600 | 1,300 | 1.20 |
| Heavy Industrial | 2,000 | 3,000 | 4,000 | 2,000 | 3,000 | 4,000 | 1.00 |
| **Commercial & Business Development** | **400** | **600** | **1,000** | **600** | **1,000** | **1,200** | **1.10** |
| Medical Campus | 6,600 | 8,600 | 11,000 | 10,000 | 11,400 | 13,000 | 1.05 |
| Downtown Core | 7,000 | 8,000 | 11,000 | 8,000 | 9,500 | 14,000 | 1.10 |
| Downtown Fringe | 1,800 | 2,200 | 2,600 | 2,200 | 3,000 | 3,600 | 1.15 |
| HD Residential (Overall)[1] | 3,500 | 3,750 | 4,950 | 2,900 | 4,400 | 4,550 | 1.15 |
| **Medium Density Residential** | **1,400** | **1,850** | **2,300** | **1,600** | **2,200** | **2,700** | **1.20** |
| **Low Density Residential** | **700** | **750** | **800** | **900** | **1,100** | **1,200** | **1.75** |
| Mixed Use Transit Oriented Centers | 1,200 | 1,550 | 1,700 | 1,400 | 1,750 | 1,900 | 1.20 |
| Mixed Use Transit Supportive Corridors | 1,200 | 1,500 | 1,800 | 1,450 | 1,800 | 2,100 | 1.20 |
| Parks & Open Space | 0 | 100 | 100 | 200 | 900 | 900 | 2.00 |
| Small Employment Development | 100 | 200 | 300 | 200 | 400 | 500 | 1.20 |
| Traditional Core Neighborhood | 700 | 900 | 1,100 | 800 | 1,000 | 1,200 | 1.20 |
| Transit Supportive Neighborhood | 700 | 1,000 | 1,300 | 850 | 1,100 | 1,300 | 1.20 |
| Urban Reserve | 840 | 970 | 1,100 | 1,040 | 1,320 | 1,500 | 1.48 |

[1] *Combination of MD-Apartments and DF-Apartments*

## Land Use Future Demand Projections

The projected future land use estimated total demands are shown and compared against the similar results calculated for the per-capita demand estimates in **Table 6**. The demand estimate comparisons, plus the upper and lower ranges, are shown in **Figure 19**, **Figure 20**, and **Figure** 21 for the average day, peak month, and peak day, respectively. Both analysis methods resulted in similar estimated future demands, with the land-use estimate being slightly more conservative to account for potential heavier water users within each of the primary water usage categories:

- Industrial – Possibility for a larger future industrial user
- Commercial and Business Development - Possibility for a larger future portion of hotels, restaurants/bars, and a smaller portion of office buildings and retail.
- Medical Campus – Possibility for moderate to high DMC growth that may not be fully captured in the per-capita analysis
- Medium-Density Residential – Possibility for a greater portion of apartment complexes and condos/townhomes versus duplex/triplex and single-family homes.
- Low-Density Residential – Possibility for larger lots, or higher-income households with a higher propensity to irrigate more frequently.

**Table 6 – Land Use and Per-Capita Demand Projections Comparison**

| Year | Average Day (MGD) | | Peak Month (MGD) | | Peak Day (MGD) | |
|---|---|---|---|---|---|---|
| | Per-Capita | Land-Use (Target) | Per-Capita[1] | Land-Use (Target) | Per-Capita[2] | Land-Use (Target)[2] |
| 2025 | 14.5 | **13.9** | 22.3 | **20.1** | 30.0 | **30.4** |
| 2030 | 15.6 | **15.7** | 24.0 | **22.6** | 32.3 | **33.6** |
| 2040 | 17.7 | **17.9** | 27.4 | **25.5** | 36.9 | **37.7** |
| 2050 | 18.6 | **19.5** | 29.0 | **27.3** | 39.2 | **40.3** |
| 2065 | 20.0 | **21.9** | 31.3 | **30.7** | 42.2 | **45.0** |

[1]Summer per-capita usage is the sum of indoor and outdoor water usage.
[2]Based on a 1 in 100-year dry June using the most recent 20-years of rainfall data (2005-2025).

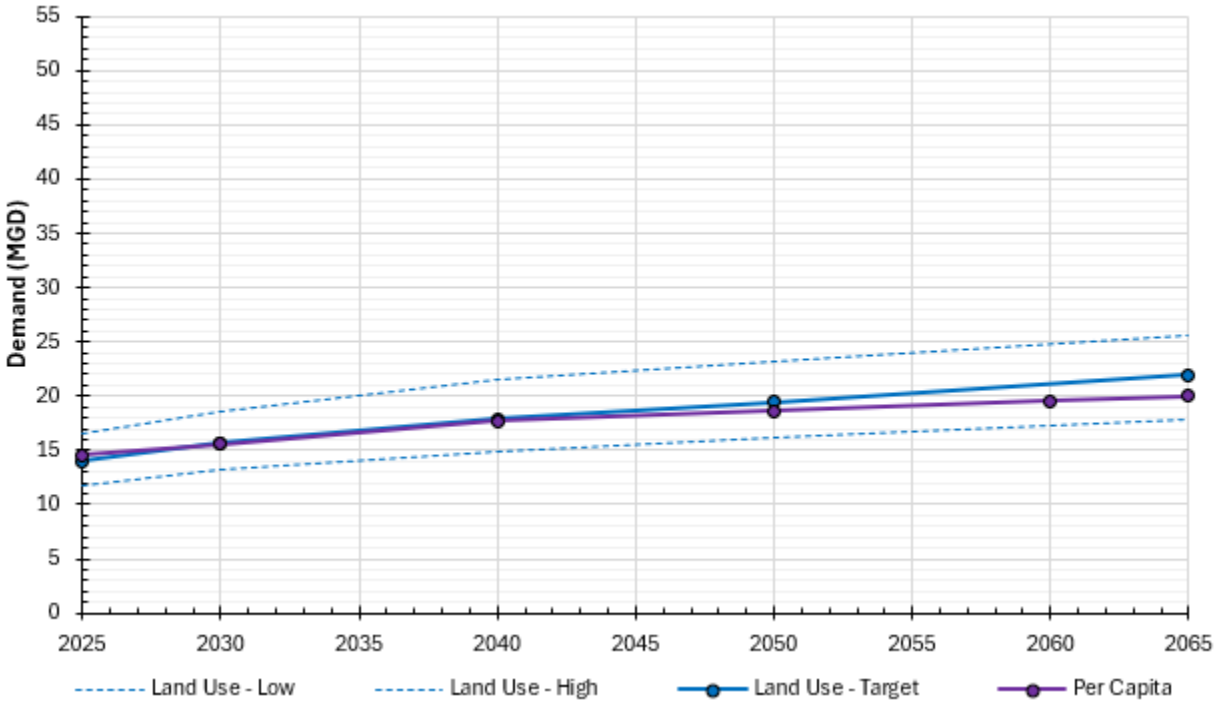


**Figure 19 – Average Day Future Land Use and Per Capita Demand Projections**

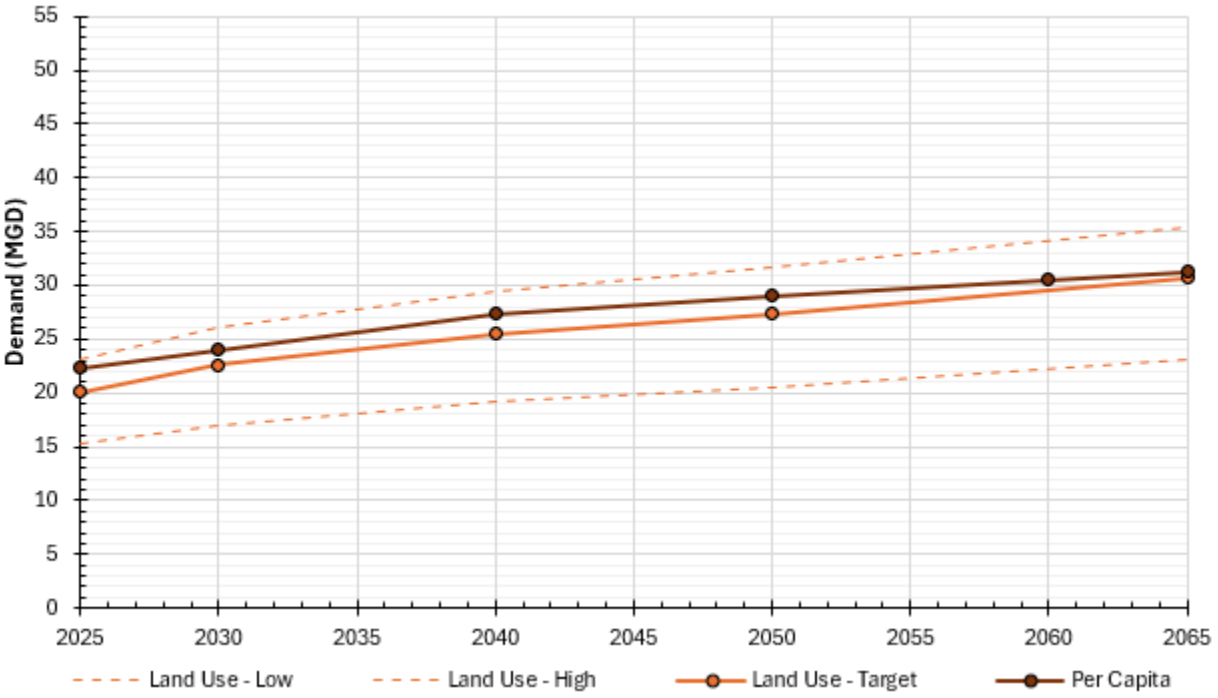


**Figure 20 – Peak Month Future Land Use and Per Capita Demand Projections**

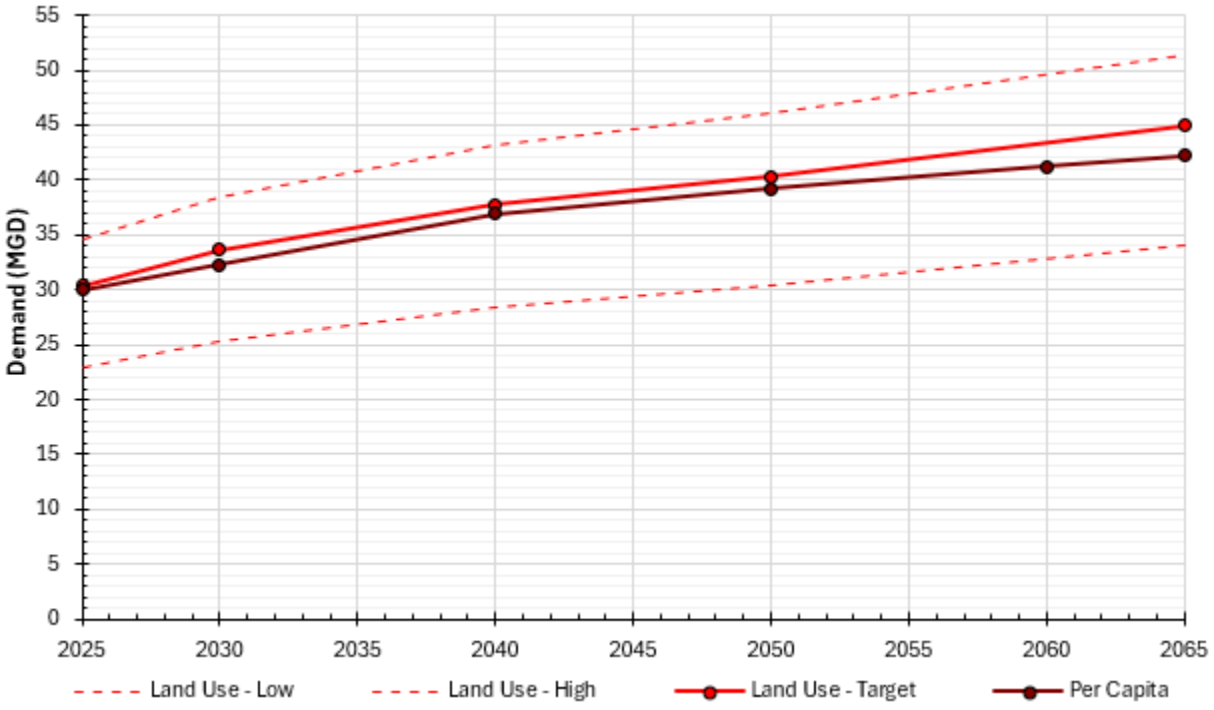


**Figure 21 – Peak Day Future Land Use and Per Capita Demand Projections**

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## Table 7 – Future Demand Projection Ranges Per Land Use Type

| Landuse Type | ADD (MGD) - 2025 (Existing) | | | Peak Month (MGD) - 2025 (Existing) | | | Peak Day (MGD) - 2025 (Existing) | | | ADD (MGD) - 2030 | | | Peak Month (MGD) - 2030 | | | Peak Day (MGD) - 2030 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High |
| Airport Facilities | 0.00 | 0.02 | 0.03 | 0.06 | 0.07 | 0.07 | 0.13 | 0.14 | 0.14 | 0.00 | 0.02 | 0.03 | 0.06 | 0.07 | 0.07 | 0.13 | 0.14 | 0.11 |
| Civic Facilities | 0.01 | 0.03 | 0.04 | 0.03 | 0.05 | 0.07 | 0.04 | 0.06 | 0.09 | 0.01 | 0.03 | 0.04 | 0.03 | 0.05 | 0.07 | 0.04 | 0.06 | 0.11 |
| Educational Campus | 0.06 | 0.08 | 0.13 | 0.16 | 0.25 | 0.32 | 0.20 | 0.32 | 0.40 | 0.06 | 0.08 | 0.13 | 0.16 | 0.26 | 0.32 | 0.20 | 0.32 | 0.48 |
| Industrial | 0.19 | 0.37 | 0.74 | 0.26 | 0.44 | 0.96 | 0.31 | 0.53 | 1.16 | 0.20 | 0.39 | 0.79 | 0.28 | 0.47 | 1.03 | 0.33 | 0.57 | 1.54 |
| Heavy Industrial | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.50 | 0.67 | 0.50 | 0.75 | 1.00 | 0.50 | 0.75 | 1.50 |
| **Commercial & Business Development** | **0.49** | **0.73** | **1.22** | **0.73** | **1.22** | **1.46** | **0.80** | **1.34** | **1.61** | **0.53** | **0.79** | **1.32** | **0.79** | **1.32** | **1.58** | **0.87** | **1.45** | **2.38** |
| Medical Campus | 0.73 | 0.96 | 1.22 | 1.11 | 1.27 | 1.45 | 1.17 | 1.33 | 1.52 | 0.91 | 1.09 | 1.29 | 1.10 | 1.45 | 1.67 | 1.15 | 1.52 | 1.75 |
| Downtown Core | 0.35 | 0.40 | 0.55 | 0.40 | 0.48 | 0.71 | 0.44 | 0.53 | 0.78 | 0.36 | 0.41 | 0.57 | 0.41 | 0.49 | 0.72 | 0.45 | 0.54 | 1.08 |
| Downtown Fringe | 0.11 | 0.14 | 0.16 | 0.14 | 0.19 | 0.23 | 0.16 | 0.22 | 0.26 | 0.11 | 0.14 | 0.16 | 0.14 | 0.19 | 0.23 | 0.16 | 0.22 | 0.34 |
| HD Residential (Overall) | 0.07 | 0.07 | 0.09 | 0.06 | 0.08 | 0.09 | 0.06 | 0.10 | 0.10 | 0.07 | 0.07 | 0.09 | 0.06 | 0.08 | 0.09 | 0.06 | 0.10 | 0.13 |
| **Medium Density Residential** | **1.51** | **2.00** | **2.48** | **1.73** | **2.38** | **2.91** | **2.07** | **2.85** | **3.50** | **1.61** | **2.13** | **2.64** | **1.84** | **2.53** | **3.10** | **2.21** | **3.04** | **4.66** |
| **Low Density Residential** | **6.64** | **7.11** | **7.59** | **8.54** | **10.43** | **11.38** | **14.94** | **18.26** | **19.92** | **7.14** | **7.65** | **8.16** | **9.19** | **11.23** | **12.25** | **16.07** | **19.65** | **18.37** |
| Mixed Use Transit Oriented Centers | 0.82 | 1.06 | 1.16 | 0.96 | 1.20 | 1.30 | 1.15 | 1.43 | 1.56 | 0.88 | 1.14 | 1.25 | 1.03 | 1.28 | 1.39 | 1.23 | 1.54 | 2.09 |
| Mixed Use Transit Supportive Corridors | 0.33 | 0.41 | 0.50 | 0.40 | 0.50 | 0.58 | 0.48 | 0.60 | 0.70 | 0.48 | 0.59 | 0.71 | 0.58 | 0.71 | 0.83 | 0.69 | 0.86 | 1.25 |
| Parks & Open Space | 0.00 | 0.11 | 0.11 | 0.21 | 0.97 | 0.97 | 0.43 | 1.93 | 1.93 | 0.00 | 0.11 | 0.11 | 0.22 | 0.98 | 0.98 | 0.43 | 1.95 | 1.47 |
| Small Employment Development | 0.01 | 0.01 | 0.02 | 0.01 | 0.02 | 0.03 | 0.01 | 0.03 | 0.03 | 0.01 | 0.01 | 0.02 | 0.01 | 0.03 | 0.03 | 0.02 | 0.03 | 0.05 |
| Traditional Core Neighborhood | 0.19 | 0.25 | 0.30 | 0.22 | 0.27 | 0.33 | 0.26 | 0.33 | 0.39 | 0.19 | 0.25 | 0.30 | 0.22 | 0.27 | 0.33 | 0.26 | 0.33 | 0.49 |
| Transit Supportive Neighborhood | 0.14 | 0.16 | 0.19 | 0.18 | 0.22 | 0.26 | 0.21 | 0.27 | 0.31 | 0.14 | 0.17 | 0.19 | 0.18 | 0.23 | 0.26 | 0.21 | 0.27 | 0.38 |
| Urban Reserve & Undefined | 0.05 | 0.06 | 0.07 | 0.06 | 0.08 | 0.09 | 0.09 | 0.12 | 0.13 | 0.12 | 0.14 | 0.16 | 0.15 | 0.19 | 0.21 | 0.22 | 0.28 | 0.32 |
| **Total** | 11.7 | **14.0** | 16.6 | 15.3 | **20.1** | 23.2 | 23.0 | **30.4** | 34.5 | 13.2 | **15.7** | 18.6 | 16.9 | **22.6** | 26.2 | 25.2 | **33.6** | 38.5 |

| Landuse Type | ADD (MGD) - 2040 | | | Peak Month (MGD) - 2040 | | | Peak Day (MGD) - 2040 | | | ADD (MGD) - 2050 | | | Peak Month (MGD) - 2050 | | | Peak Day (MGD) - 2050 | | | ADD (MGD) - 2065 | | | Peak Month (MGD) - 2065 | | | Peak Month (MGD) - 2065 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High |
| Airport Facilities | 0.00 | 0.02 | 0.03 | 0.06 | 0.07 | 0.07 | 0.13 | 0.14 | 0.14 | 0.00 | 0.02 | 0.03 | 0.06 | 0.07 | 0.07 | 0.13 | 0.14 | 0.14 | 0.00 | 0.02 | 0.03 | 0.06 | 0.07 | 0.07 | 0.13 | 0.14 | 0.14 |
| Civic Facilities | 0.01 | 0.03 | 0.04 | 0.03 | 0.05 | 0.07 | 0.04 | 0.06 | 0.09 | 0.01 | 0.03 | 0.04 | 0.03 | 0.05 | 0.07 | 0.04 | 0.06 | 0.09 | 0.01 | 0.03 | 0.04 | 0.03 | 0.05 | 0.07 | 0.04 | 0.06 | 0.09 |
| Educational Campus | 0.06 | 0.08 | 0.13 | 0.16 | 0.26 | 0.32 | 0.20 | 0.32 | 0.40 | 0.06 | 0.08 | 0.13 | 0.16 | 0.26 | 0.32 | 0.20 | 0.32 | 0.40 | 0.06 | 0.08 | 0.13 | 0.16 | 0.26 | 0.32 | 0.20 | 0.32 | 0.40 |
| Industrial | 0.21 | 0.42 | 0.84 | 0.29 | 0.50 | 1.09 | 0.35 | 0.60 | 1.31 | 0.21 | 0.43 | 0.85 | 0.30 | 0.51 | 1.11 | 0.36 | 0.61 | 1.33 | 0.22 | 0.45 | 0.89 | 0.31 | 0.54 | 1.16 | 0.37 | 0.64 | 1.39 |
| Heavy Industrial | 0.50 | 0.75 | 1.00 | 0.67 | 1.00 | 1.33 | 0.67 | 1.00 | 1.33 | 0.67 | 1.00 | 1.33 | 0.67 | 1.00 | 1.33 | 0.67 | 1.00 | 1.33 | 0.67 | 1.00 | 1.33 | 0.67 | 1.00 | 1.33 | 0.67 | 1.00 | 1.33 |
| **Commercial & Business Development** | **0.57** | **0.86** | **1.43** | **0.86** | **1.43** | **1.72** | **0.94** | **1.57** | **1.89** | **0.63** | **0.94** | **1.57** | **0.94** | **1.57** | **1.89** | **1.04** | **1.73** | **2.08** | **0.74** | **1.10** | **1.84** | **1.10** | **1.84** | **2.21** | **1.21** | **2.02** | **2.43** |
| Medical Campus | 1.16 | 1.41 | 1.94 | 1.40 | 1.85 | 2.13 | 1.47 | 1.94 | 2.24 | 1.23 | 1.73 | 2.06 | 1.70 | 2.25 | 2.59 | 1.79 | 2.36 | 2.72 | 1.27 | 2.21 | 2.12 | 2.16 | 2.85 | 3.28 | 2.27 | 2.99 | 3.45 |
| Downtown Core | 0.36 | 0.42 | 0.57 | 0.42 | 0.49 | 0.73 | 0.46 | 0.54 | 0.80 | 0.37 | 0.42 | 0.58 | 0.42 | 0.50 | 0.73 | 0.46 | 0.55 | 0.81 | 0.37 | 0.42 | 0.58 | 0.42 | 0.50 | 0.74 | 0.46 | 0.55 | 0.81 |
| Downtown Fringe | 0.11 | 0.14 | 0.16 | 0.14 | 0.19 | 0.23 | 0.16 | 0.22 | 0.26 | 0.11 | 0.14 | 0.16 | 0.14 | 0.19 | 0.23 | 0.16 | 0.22 | 0.26 | 0.11 | 0.14 | 0.16 | 0.14 | 0.19 | 0.23 | 0.16 | 0.22 | 0.26 |
| HD Residential (Overall) | 0.07 | 0.07 | 0.09 | 0.06 | 0.08 | 0.09 | 0.06 | 0.10 | 0.10 | 0.07 | 0.07 | 0.09 | 0.06 | 0.08 | 0.09 | 0.06 | 0.10 | 0.10 | 0.07 | 0.07 | 0.09 | 0.06 | 0.08 | 0.09 | 0.06 | 0.10 | 0.10 |
| **Medium Density Residential** | **1.72** | **2.27** | **2.82** | **1.96** | **2.70** | **3.31** | **2.35** | **3.24** | **3.97** | **1.76** | **2.33** | **2.90** | **2.02** | **2.77** | **3.40** | **2.42** | **3.33** | **4.08** | **1.82** | **2.41** | **2.99** | **2.08** | **2.86** | **3.51** | **2.50** | **3.44** | **4.22** |
| **Low Density Residential** | **7.81** | **8.37** | **8.92** | **10.04** | **12.27** | **13.39** | **17.57** | **21.48** | **23.43** | **8.09** | **8.67** | **9.25** | **10.40** | **12.71** | **13.87** | **18.20** | **22.25** | **24.27** | **8.46** | **9.06** | **9.66** | **10.87** | **13.29** | **14.50** | **19.03** | **23.26** | **25.37** |
| Mixed Use Transit Oriented Centers | 0.91 | 1.18 | 1.29 | 1.06 | 1.33 | 1.44 | 1.28 | 1.60 | 1.73 | 0.93 | 1.20 | 1.31 | 1.08 | 1.35 | 1.47 | 1.30 | 1.62 | 1.76 | 0.95 | 1.22 | 1.34 | 1.11 | 1.38 | 1.50 | 1.33 | 1.66 | 1.80 |
| Mixed Use Transit Supportive Corridors | 0.60 | 0.75 | 0.90 | 0.72 | 0.90 | 1.05 | 0.87 | 1.08 | 1.26 | 0.65 | 0.81 | 0.98 | 0.79 | 0.98 | 1.14 | 0.95 | 1.17 | 1.37 | 0.73 | 0.91 | 1.09 | 0.88 | 1.09 | 1.27 | 1.05 | 1.31 | 1.52 |
| Parks & Open Space | 0.00 | 0.11 | 0.11 | 0.22 | 1.00 | 1.00 | 0.45 | 2.00 | 2.00 | 0.00 | 0.11 | 0.11 | 0.23 | 1.02 | 1.02 | 0.45 | 2.03 | 2.03 | 0.00 | 0.11 | 0.11 | 0.23 | 1.03 | 1.03 | 0.46 | 2.07 | 2.07 |
| Small Employment Development | 0.01 | 0.01 | 0.02 | 0.01 | 0.03 | 0.04 | 0.02 | 0.03 | 0.04 | 0.01 | 0.01 | 0.02 | 0.01 | 0.03 | 0.04 | 0.02 | 0.04 | 0.04 | 0.01 | 0.02 | 0.02 | 0.02 | 0.03 | 0.04 | 0.02 | 0.04 | 0.05 |
| Traditional Core Neighborhood | 0.19 | 0.25 | 0.30 | 0.22 | 0.27 | 0.33 | 0.26 | 0.33 | 0.40 | 0.19 | 0.25 | 0.30 | 0.22 | 0.27 | 0.33 | 0.26 | 0.33 | 0.40 | 0.19 | 0.25 | 0.30 | 0.22 | 0.27 | 0.33 | 0.26 | 0.33 | 0.40 |
| Transit Supportive Neighborhood | 0.14 | 0.17 | 0.19 | 0.18 | 0.23 | 0.26 | 0.22 | 0.27 | 0.31 | 0.15 | 0.17 | 0.19 | 0.18 | 0.23 | 0.26 | 0.22 | 0.27 | 0.31 | 0.15 | 0.17 | 0.19 | 0.18 | 0.23 | 0.26 | 0.22 | 0.28 | 0.31 |
| Urban Reserve & Undefined | 0.53 | 0.61 | 0.69 | 0.65 | 0.83 | 0.94 | 0.96 | 1.22 | 1.38 | 0.94 | 1.09 | 1.23 | 1.16 | 1.48 | 1.68 | 1.72 | 2.18 | 2.48 | 1.97 | 2.27 | 2.58 | 2.44 | 3.09 | 3.51 | 3.59 | 4.56 | 5.18 |
| **Total** | 15.0 | **17.9** | 21.5 | 19.2 | **25.5** | 29.5 | 28.4 | **37.7** | 43.1 | 16.1 | **19.5** | 23.1 | 20.6 | **27.3** | 31.6 | 30.4 | **40.3** | 46.0 | 17.8 | **21.9** | 25.5 | 23.1 | **30.7** | 35.5 | 34.0 | **45.0** | 51.3 |

## Demand Projections per Pressure Zone

The proposed land use (consumption-based) demand projections were also broken out by pressure zone. The current and future proposed pressure zones are shown in **Figure 22**. The proposed total future demands for each zone are shown in

**Table** 9, and the growth from existing demands for each zone is shown in **Table 10**.

# CONCLUSION

Both future demand projections produce similar values. However, the land use (consumption-based) approach is slightly more conservative and likely a better estimate to use for planning, considering some unknowns around the DMC growth, future industrial demands, and the exact allocation of low and medium-density residential parcel types. A future peak day demand for Rochester by 2065 would be expected to be around 45.5 MGD.

One final consideration would be whether the towns of Byron, Oronoco, and/or Stewartville will be fully or partially served by RPU through 2065 if future water supply for the southeast region requires extensive water treatment based on alternative surface or groundwater sources. **Table** 8 shows the three cities with their estimated population growth and future 2065 demands. The demands were estimated based on the per-capita demand factors used for RPU. The growth rates for the surrounding cities were set to more closely match the growth rate of Rochester.

**Table 8 – Surrounding Communities Future Demand Estimates**

| City | 2020 Population | 2065 Population Estimate | 2065 Average Day (MGD) | 2065 Peak Day (MGD) | Future Pressure Zone |
|---|---|---|---|---|---|
| Byron | 6,321 | 12,353[a] | 0.90 | 2.72 | West HHL |
| Oronoco | 1,802 | 3,521[a] | 0.37 | 0.78 | North IL |
| Stewartville | 6,687 | 11,656[b] | 0.73 | 1.75 | South HHL |
| **Total** | | | **2.0** | **5.25** | |

[a]1.5% growth per year
[b]1.25% growth per year

Assuming a moderate growth rate for these cities of between 1.25-1.5 percent per year, Byron may need around 2.72 MGD for a 2065 peak day, Oronoco may need 0.78 MGD, and Stewartville may need 1.75 MGD. Assuming RPU were to deliver 100 percent of the water needs to Byron, Oronoco, and Stewartville, a total of up to 50.25 MGD may be needed for the 2065 peak day design condition. Significantly more discussions are necessary during the master planning process before further consideration is given to the potential need for a regional water supply.

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## Table 9 – Land Use (Consumption-Based) Current and Future Proposed Pressure Zone Total Estimated Demands

| Existing Zones | ADD (MGD) - 2025 | | | Peak Month (MGD) - 2025 | | | Peak Day (MGD) - 2025 | | | ADD (MGD) - 2030 | | | Peak Month (MGD) - 2030 | | | Peak Day (MGD) - 2030 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High |
| Airport High Level | 0.15 | 0.18 | 0.21 | 0.19 | 0.25 | 0.29 | 0.29 | 0.38 | 0.44 | 0.15 | 0.18 | 0.21 | 0.19 | 0.26 | 0.30 | 0.29 | 0.39 | 0.44 |
| Arnolds High Level | 0.06 | 0.08 | 0.09 | 0.08 | 0.11 | 0.13 | 0.12 | 0.17 | 0.19 | 0.06 | 0.08 | 0.09 | 0.08 | 0.11 | 0.13 | 0.12 | 0.17 | 0.19 |
| Baihly High Level | 0.85 | 1.01 | 1.20 | 1.10 | 1.45 | 1.67 | 1.65 | 2.19 | 2.49 | 0.85 | 1.01 | 1.20 | 1.10 | 1.45 | 1.67 | 1.66 | 2.19 | 2.49 |
| Golden Hill High Level | 0.21 | 0.25 | 0.30 | 0.26 | 0.34 | 0.39 | 0.38 | 0.51 | 0.58 | 0.22 | 0.26 | 0.31 | 0.26 | 0.34 | 0.39 | 0.39 | 0.52 | 0.59 |
| Main Level | 7.45 | 8.88 | 10.55 | 9.18 | 12.11 | 13.96 | 13.81 | 18.27 | 20.77 | 8.11 | 9.82 | 11.51 | 9.86 | 13.27 | 15.47 | 14.56 | 19.54 | 22.55 |
| Merrihills Intermediate Level | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 |
| NE High Level | 0.42 | 0.50 | 0.59 | 0.91 | 1.20 | 1.39 | 1.37 | 1.82 | 2.07 | 0.42 | 0.50 | 0.60 | 0.92 | 1.21 | 1.40 | 1.39 | 1.83 | 2.08 |
| NE Intermediate Level | 0.09 | 0.11 | 0.13 | 0.22 | 0.30 | 0.34 | 0.34 | 0.45 | 0.51 | 0.09 | 0.11 | 0.13 | 0.23 | 0.30 | 0.34 | 0.34 | 0.45 | 0.51 |
| NW High Level | 1.48 | 1.77 | 2.10 | 1.84 | 2.42 | 2.79 | 2.77 | 3.66 | 4.16 | 1.69 | 2.03 | 2.43 | 2.10 | 2.76 | 3.20 | 3.12 | 4.12 | 4.71 |
| NW Intermediate Level | 0.09 | 0.11 | 0.13 | 0.12 | 0.16 | 0.19 | 0.18 | 0.24 | 0.28 | 0.09 | 0.11 | 0.13 | 0.12 | 0.16 | 0.19 | 0.18 | 0.24 | 0.28 |
| Riverview Heights HL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| Rose Harbor High Level | 0.19 | 0.23 | 0.27 | 0.33 | 0.43 | 0.50 | 0.50 | 0.66 | 0.74 | 0.22 | 0.26 | 0.31 | 0.37 | 0.48 | 0.55 | 0.56 | 0.74 | 0.83 |
| Rose Harbor Intermediate Level | 0.09 | 0.11 | 0.13 | 0.14 | 0.18 | 0.21 | 0.21 | 0.28 | 0.32 | 0.12 | 0.14 | 0.17 | 0.18 | 0.23 | 0.26 | 0.27 | 0.35 | 0.40 |
| Scenic Oaks Intermediate Level | 0.12 | 0.15 | 0.17 | 0.25 | 0.34 | 0.39 | 0.38 | 0.51 | 0.58 | 0.13 | 0.15 | 0.18 | 0.26 | 0.34 | 0.40 | 0.40 | 0.52 | 0.59 |
| St Bridget Intermediate Level | 0.13 | 0.16 | 0.19 | 0.15 | 0.19 | 0.22 | 0.22 | 0.29 | 0.33 | 0.13 | 0.16 | 0.19 | 0.15 | 0.20 | 0.23 | 0.22 | 0.30 | 0.34 |
| Whispering Oaks Intermediate Lev | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 |
| Willow High Level | 0.31 | 0.37 | 0.44 | 0.42 | 0.55 | 0.64 | 0.63 | 0.84 | 0.95 | 0.33 | 0.39 | 0.46 | 0.44 | 0.57 | 0.66 | 0.66 | 0.87 | 0.99 |
| Willow Intermediate Level | 0.04 | 0.05 | 0.06 | 0.04 | 0.06 | 0.07 | 0.07 | 0.09 | 0.10 | 0.04 | 0.05 | 0.06 | 0.05 | 0.06 | 0.07 | 0.07 | 0.09 | 0.10 |
| *Sub Total* | *11.7* | ***14.0*** | *16.6* | *15.3* | ***20.1*** | *23.2* | *23.0* | ***30.4*** | *34.5* | *12.7* | ***15.3*** | *18.0* | *16.3* | ***21.8*** | *25.3* | *24.3* | ***32.4*** | *37.1* |

| Future Zones | ADD (MGD) - 2025 | | | Peak Month (MGD) - | | | Peak Day (MGD) - | | | ADD (MGD) - 2030 | | | Peak Month (MGD) - | | | Peak Day (MGD) - | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High |
| Future Airport - HL | | | | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Future Baihly - HL | | | | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 |
| Future - Golden Hills - HL | | | | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Future - MAIN | | | | | | | | | | 0.08 | 0.10 | 0.11 | 0.11 | 0.14 | 0.16 | 0.17 | 0.21 | 0.24 |
| Future Merrihills - IL | | | | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Future Northeast - HL | | | | | | | | | | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.04 | 0.04 | 0.05 | 0.06 |
| Future Northeast - IL | | | | | | | | | | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 |
| Future North - IL | | | | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Future Northwest - HL | | | | | | | | | | 0.27 | 0.31 | 0.35 | 0.33 | 0.42 | 0.47 | 0.52 | 0.65 | 0.73 |
| Future Northwest - IL | | | | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 |
| Future Rose Harbor - HL | | | | | | | | | | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.04 | 0.04 |
| Future Rose Harbor - IL | | | | | | | | | | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.04 |
| Future Scenic Oaks - IL | | | | | | | | | | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.03 | 0.04 | 0.05 | 0.06 |
| Future South - HHL | | | | | | | | | | 0.01 | 0.02 | 0.02 | 0.01 | 0.02 | 0.03 | 0.02 | 0.02 | 0.03 |
| Future St. Bridget - IL | | | | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Future West Central - HHL | | | | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 |
| Future West - HHL | | | | | | | | | | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.03 | 0.04 | 0.05 |
| Future Willow - HL | | | | | | | | | | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | 0.05 | 0.06 | 0.07 | 0.08 |
| Future Willow - IL | | | | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| *Sub Total* | | | | | | | | | | *0.5* | *0.6* | *0.6* | *0.6* | *0.8* | *0.9* | *1.0* | *1.2* | *1.4* |
| **Total** | | | | | | | | | | 13.2 | **15.8** | 18.6 | 16.9 | **22.6** | 26.2 | 25.2 | **33.6** | 38.5 |

DRAFT

| Existing Zones | ADD (MGD) - 2040 | | | Peak Month (MGD) - 2040 | | | Peak Day (MGD) - 2040 | | | ADD (MGD) - 2050 | | | Peak Month (MGD) - 2050 | | | Peak Day (MGD) - 2050 | | | ADD (MGD) - 2065 | | | Peak Month (MGD) - 2065 | | | Peak Day (MGD) - 2065 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High |
| Airport High Level | 0.15 | 0.18 | 0.22 | 0.19 | 0.26 | 0.30 | 0.29 | 0.39 | 0.44 | 0.15 | 0.18 | 0.22 | 0.19 | 0.26 | 0.30 | 0.29 | 0.39 | 0.44 | 0.16 | 0.19 | 0.22 | 0.21 | 0.27 | 0.32 | 0.31 | 0.41 | 0.47 |
| Arnolds High Level | 0.06 | 0.08 | 0.09 | 0.08 | 0.11 | 0.13 | 0.12 | 0.17 | 0.19 | 0.06 | 0.08 | 0.09 | 0.08 | 0.11 | 0.13 | 0.12 | 0.17 | 0.19 | 0.06 | 0.08 | 0.09 | 0.08 | 0.11 | 0.13 | 0.12 | 0.17 | 0.19 |
| Baihly High Level | 1.06 | 1.22 | 1.41 | 1.34 | 1.69 | 1.91 | 1.90 | 2.43 | 2.73 | 1.27 | 1.43 | 1.62 | 1.59 | 1.94 | 2.16 | 2.15 | 2.68 | 2.98 | 1.59 | 1.75 | 1.94 | 1.97 | 2.32 | 2.54 | 2.53 | 3.06 | 3.36 |
| Golden Hill High Level | 0.22 | 0.26 | 0.31 | 0.26 | 0.35 | 0.40 | 0.40 | 0.52 | 0.59 | 0.22 | 0.26 | 0.31 | 0.26 | 0.35 | 0.40 | 0.40 | 0.53 | 0.60 | 0.22 | 0.26 | 0.31 | 0.26 | 0.35 | 0.40 | 0.40 | 0.53 | 0.60 |
| Main Level | 8.36 | 10.20 | 12.30 | 10.47 | 13.76 | 16.10 | 14.94 | 20.13 | 23.16 | 8.40 | 10.56 | 12.53 | 10.23 | 13.93 | 16.33 | 15.05 | 20.36 | 23.44 | 8.16 | 10.76 | 12.48 | 10.19 | 14.22 | 16.72 | 15.08 | 20.73 | 23.92 |
| Merrihills Intermediate Level | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 |
| NE High Level | 0.43 | 0.51 | 0.60 | 0.93 | 1.22 | 1.41 | 1.40 | 1.85 | 2.10 | 0.43 | 0.51 | 0.61 | 0.93 | 1.22 | 1.41 | 1.40 | 1.85 | 2.10 | 0.43 | 0.52 | 0.61 | 0.93 | 1.23 | 1.41 | 1.41 | 1.86 | 2.11 |
| NE Intermediate Level | 0.10 | 0.11 | 0.13 | 0.23 | 0.30 | 0.34 | 0.34 | 0.45 | 0.51 | 0.10 | 0.11 | 0.13 | 0.23 | 0.30 | 0.34 | 0.34 | 0.45 | 0.51 | 0.10 | 0.11 | 0.14 | 0.23 | 0.30 | 0.35 | 0.34 | 0.45 | 0.52 |
| NW High Level | 1.86 | 2.24 | 2.69 | 2.30 | 3.03 | 3.53 | 3.40 | 4.48 | 5.14 | 1.93 | 2.33 | 2.80 | 2.39 | 3.15 | 3.67 | 3.52 | 4.64 | 5.33 | 2.03 | 2.45 | 2.78 | 2.69 | 3.31 | 3.86 | 3.88 | 4.86 | 5.59 |
| NW Intermediate Level | 0.10 | 0.11 | 0.13 | 0.12 | 0.16 | 0.19 | 0.19 | 0.25 | 0.28 | 0.10 | 0.11 | 0.14 | 0.12 | 0.16 | 0.19 | 0.19 | 0.25 | 0.28 | 0.10 | 0.11 | 0.14 | 0.12 | 0.16 | 0.19 | 0.19 | 0.25 | 0.28 |
| Riverview Heights HL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| Rose Harbor High Level | 0.24 | 0.28 | 0.33 | 0.39 | 0.51 | 0.59 | 0.60 | 0.79 | 0.89 | 0.25 | 0.30 | 0.35 | 0.41 | 0.54 | 0.62 | 0.63 | 0.83 | 0.93 | 0.27 | 0.32 | 0.38 | 0.44 | 0.57 | 0.65 | 0.66 | 0.88 | 0.99 |
| Rose Harbor Intermediate Level | 0.14 | 0.16 | 0.19 | 0.20 | 0.26 | 0.29 | 0.31 | 0.40 | 0.45 | 0.15 | 0.17 | 0.20 | 0.21 | 0.27 | 0.31 | 0.33 | 0.43 | 0.48 | 0.16 | 0.18 | 0.22 | 0.22 | 0.29 | 0.33 | 0.35 | 0.46 | 0.52 |
| Scenic Oaks Intermediate Level | 0.13 | 0.16 | 0.19 | 0.27 | 0.35 | 0.41 | 0.41 | 0.54 | 0.61 | 0.14 | 0.16 | 0.19 | 0.27 | 0.36 | 0.41 | 0.41 | 0.55 | 0.62 | 0.14 | 0.17 | 0.20 | 0.28 | 0.36 | 0.42 | 0.42 | 0.55 | 0.63 |
| St Bridget Intermediate Level | 0.13 | 0.16 | 0.19 | 0.15 | 0.20 | 0.23 | 0.22 | 0.30 | 0.34 | 0.13 | 0.16 | 0.19 | 0.15 | 0.20 | 0.23 | 0.22 | 0.30 | 0.34 | 0.13 | 0.16 | 0.19 | 0.15 | 0.20 | 0.23 | 0.23 | 0.30 | 0.34 |
| Whispering Oaks Intermediate Lev | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 |
| Willow High Level | 0.34 | 0.40 | 0.48 | 0.45 | 0.60 | 0.68 | 0.69 | 0.91 | 1.03 | 0.35 | 0.41 | 0.48 | 0.46 | 0.61 | 0.70 | 0.70 | 0.93 | 1.05 | 0.36 | 0.42 | 0.50 | 0.47 | 0.62 | 0.71 | 0.72 | 0.95 | 1.08 |
| Willow Intermediate Level | 0.04 | 0.05 | 0.06 | 0.05 | 0.06 | 0.07 | 0.07 | 0.09 | 0.11 | 0.04 | 0.05 | 0.06 | 0.05 | 0.06 | 0.07 | 0.07 | 0.09 | 0.11 | 0.04 | 0.05 | 0.06 | 0.05 | 0.06 | 0.07 | 0.07 | 0.10 | 0.11 |
| *Sub Total* | *13.4* | ***16.1*** | *19.3* | *17.5* | ***22.9*** | *26.6* | *25.3* | ***33.7*** | *38.6* | *13.7* | ***16.8*** | *19.9* | *17.6* | ***23.5*** | *27.3* | *25.9* | ***34.5*** | *39.4* | *14.0* | ***17.6*** | *20.3* | *18.3* | ***24.4*** | *28.4* | *26.7* | ***35.6*** | *40.8* |

| Future Zones | ADD (MGD) - 2040 | | | Peak Month (MGD) - | | | Peak Day (MGD) - | | | ADD (MGD) - 2050 | | | Peak Month (MGD) - | | | Peak Day (MGD) - | | | ADD (MGD) - 2065 | | | Peak Month (MGD) - | | | Peak Day (MGD) - | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High |
| Future Airport - HL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Future Baihly - HL | 0.02 | 0.02 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.05 | 0.05 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | 0.05 | 0.05 | 0.06 | 0.07 | 0.04 | 0.05 | 0.06 | 0.05 | 0.07 | 0.08 | 0.08 | 0.10 | 0.11 |
| Future - Golden Hills - HL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Future - MAIN | 0.24 | 0.28 | 0.32 | 0.31 | 0.40 | 0.45 | 0.50 | 0.64 | 0.72 | 0.30 | 0.35 | 0.41 | 0.39 | 0.50 | 0.57 | 0.63 | 0.79 | 0.90 | 0.37 | 0.43 | 0.50 | 0.48 | 0.62 | 0.70 | 0.77 | 0.98 | 1.10 |
| Future Merrihills - IL | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.05 | 0.05 | 0.05 | 0.06 | 0.07 | 0.07 | 0.09 | 0.11 | 0.08 | 0.10 | 0.11 | 0.10 | 0.13 | 0.15 | 0.15 | 0.19 | 0.22 |
| Future Northeast - HL | 0.12 | 0.13 | 0.14 | 0.15 | 0.18 | 0.20 | 0.25 | 0.30 | 0.33 | 0.18 | 0.19 | 0.21 | 0.22 | 0.28 | 0.31 | 0.37 | 0.46 | 0.51 | 0.30 | 0.33 | 0.37 | 0.37 | 0.47 | 0.52 | 0.60 | 0.74 | 0.83 |
| Future Northeast - IL | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.04 | 0.05 | 0.06 | 0.02 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.05 | 0.07 | 0.07 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.05 | 0.06 | 0.08 | 0.08 |
| Future North - IL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.05 | 0.06 | 0.08 | 0.07 | 0.09 | 0.11 | 0.09 | 0.12 | 0.14 |
| Future Northwest - HL | 0.69 | 0.79 | 0.89 | 0.87 | 1.09 | 1.23 | 1.36 | 1.71 | 1.90 | 0.93 | 1.07 | 1.23 | 1.18 | 1.50 | 1.69 | 1.83 | 2.31 | 2.58 | 1.42 | 1.65 | 1.92 | 1.81 | 2.31 | 2.61 | 2.76 | 3.50 | 3.93 |
| Future Northwest - IL | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.03 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.04 |
| Future Rose Harbor - HL | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.04 | 0.05 | 0.06 | 0.06 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.05 | 0.06 | 0.08 | 0.08 | 0.11 | 0.12 | 0.14 | 0.13 | 0.17 | 0.19 | 0.21 | 0.26 | 0.30 |
| Future Rose Harbor - IL | 0.06 | 0.06 | 0.07 | 0.07 | 0.09 | 0.10 | 0.12 | 0.15 | 0.16 | 0.10 | 0.12 | 0.14 | 0.13 | 0.17 | 0.19 | 0.21 | 0.27 | 0.30 | 0.17 | 0.19 | 0.23 | 0.22 | 0.28 | 0.32 | 0.33 | 0.43 | 0.48 |
| Future Scenic Oaks - IL | 0.09 | 0.10 | 0.11 | 0.11 | 0.14 | 0.15 | 0.18 | 0.23 | 0.25 | 0.15 | 0.17 | 0.19 | 0.19 | 0.24 | 0.27 | 0.31 | 0.39 | 0.43 | 0.22 | 0.24 | 0.27 | 0.27 | 0.34 | 0.38 | 0.43 | 0.54 | 0.60 |
| Future South - HHL | 0.13 | 0.18 | 0.24 | 0.14 | 0.21 | 0.27 | 0.16 | 0.25 | 0.31 | 0.23 | 0.33 | 0.42 | 0.26 | 0.39 | 0.48 | 0.31 | 0.47 | 0.58 | 0.51 | 0.65 | 0.80 | 0.59 | 0.82 | 0.99 | 0.79 | 1.09 | 1.30 |
| Future St. Bridget - IL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.01 | 0.02 | 0.02 | 0.03 | 0.02 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 |
| Future West Central - HHL | 0.02 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.04 | 0.05 | 0.06 | 0.03 | 0.03 | 0.04 | 0.04 | 0.05 | 0.05 | 0.05 | 0.07 | 0.08 | 0.05 | 0.06 | 0.07 | 0.07 | 0.09 | 0.10 | 0.10 | 0.13 | 0.14 |
| Future West - HHL | 0.06 | 0.07 | 0.08 | 0.07 | 0.09 | 0.10 | 0.11 | 0.13 | 0.15 | 0.12 | 0.14 | 0.16 | 0.15 | 0.20 | 0.22 | 0.23 | 0.29 | 0.33 | 0.24 | 0.28 | 0.32 | 0.30 | 0.38 | 0.44 | 0.44 | 0.56 | 0.64 |
| Future Willow - HL | 0.12 | 0.14 | 0.15 | 0.15 | 0.19 | 0.21 | 0.23 | 0.29 | 0.33 | 0.18 | 0.20 | 0.23 | 0.22 | 0.28 | 0.32 | 0.34 | 0.43 | 0.49 | 0.22 | 0.25 | 0.28 | 0.28 | 0.35 | 0.39 | 0.42 | 0.53 | 0.60 |
| Future Willow - IL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 |
| *Sub Total* | *1.6* | ***1.9*** | *2.1* | *2.0* | ***2.6*** | *2.9* | *3.1* | ***4.0*** | *4.5* | *2.4* | ***2.8*** | *3.2* | *3.0* | ***3.8*** | *4.3* | *4.6* | ***5.8*** | *6.6* | *3.8* | ***4.5*** | *5.2* | *4.8* | ***6.2*** | *7.1* | *7.3* | ***9.3*** | *10.6* |
| **Total** | 15.0 | **18.0** | 21.5 | 19.5 | **25.5** | 29.5 | 28.4 | **37.7** | 43.1 | 16.1 | **19.6** | 23.1 | 20.6 | **27.3** | 31.6 | 30.4 | **40.3** | 46.0 | 17.8 | **22.1** | 25.5 | 23.1 | **30.6** | 35.5 | 34.0 | **44.9** | 51.3 |

DRAFT

## Table 10 – Land Use (Consumption-Based) Current and Future Proposed Pressure Zone Growth from 2025 Demands

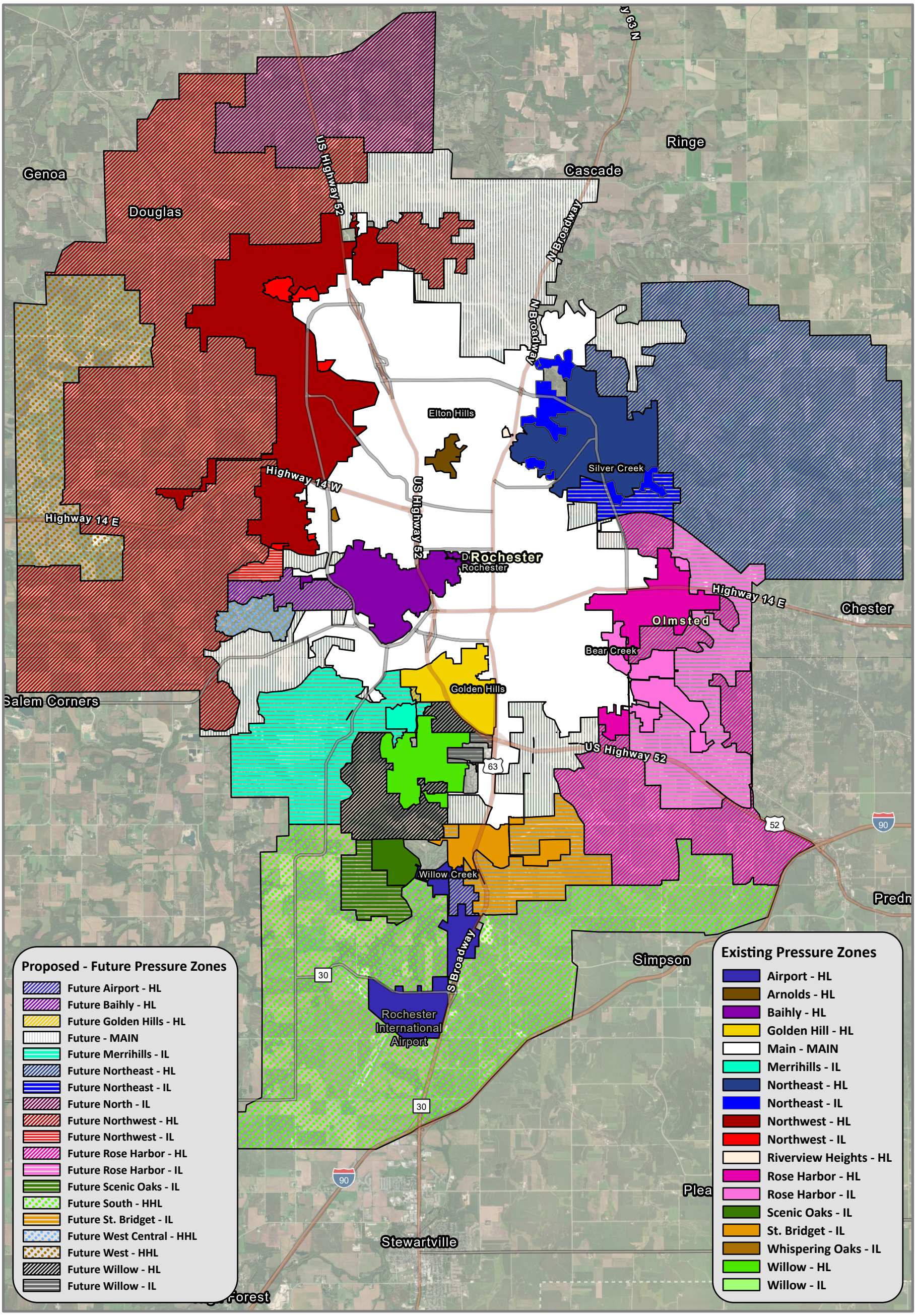
| Existing Zones | ADD (MGD) - 2030 | | | Peak Month (MGD) - 2030 | | | Peak Day (MGD) - 2030 | | | ADD (MGD) - 2040 | | | Peak Month (MGD) - 2040 | | | Peak Day (MGD) - 2040 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High |
| Airport High Level | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Arnolds High Level | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Baihly High Level | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.21 | 0.21 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 |
| Golden Hill High Level | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 |
| Main Level | 0.67 | 0.93 | 0.96 | 0.68 | 1.17 | 1.51 | 0.74 | 1.27 | 1.78 | 0.91 | 1.32 | 1.75 | 1.29 | 1.65 | 2.15 | 1.13 | 1.86 | 2.39 |
| Merrihills Intermediate Level | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NE High Level | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 |
| NE Intermediate Level | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 |
| NW High Level | 0.21 | 0.26 | 0.32 | 0.26 | 0.34 | 0.41 | 0.36 | 0.46 | 0.55 | 0.38 | 0.47 | 0.59 | 0.47 | 0.61 | 0.74 | 0.64 | 0.82 | 0.99 |
| NW Intermediate Level | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Riverview Heights HL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Rose Harbor High Level | 0.03 | 0.03 | 0.03 | 0.04 | 0.05 | 0.05 | 0.07 | 0.08 | 0.09 | 0.05 | 0.05 | 0.06 | 0.06 | 0.08 | 0.09 | 0.11 | 0.13 | 0.15 |
| Rose Harbor Intermediate Level | 0.03 | 0.03 | 0.03 | 0.04 | 0.05 | 0.05 | 0.06 | 0.08 | 0.08 | 0.05 | 0.05 | 0.06 | 0.06 | 0.07 | 0.08 | 0.10 | 0.12 | 0.14 |
| Scenic Oaks Intermediate Level | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.03 |
| St Bridget Intermediate Level | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.01 |
| Whispering Oaks Intermediate Lev | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Willow High Level | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.04 | 0.04 | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | 0.05 | 0.06 | 0.07 | 0.08 |
| Willow Intermediate Level | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| *Sub Total* | *1.0* | ***1.3*** | *1.4* | *1.1* | ***1.7*** | *2.1* | *1.3* | ***2.0*** | *2.6* | *1.7* | ***2.2*** | *2.7* | *2.2* | ***2.8*** | *3.4* | *2.3* | ***3.4*** | *4.1* |

| Future Zones | ADD (MGD) - 2030 | | | Peak Month (MGD) - 2030 | | | Peak Day (MGD) - 2030 | | | ADD (MGD) - 2040 | | | Peak Month (MGD) - 2040 | | | Peak Day (MGD) - 2040 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High |
| Future Airport - HL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Future Baihly - HL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.02 | 0.02 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.05 | 0.05 |
| Future - Golden Hills - HL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Future - MAIN | 0.08 | 0.10 | 0.11 | 0.11 | 0.14 | 0.16 | 0.17 | 0.21 | 0.24 | 0.24 | 0.28 | 0.32 | 0.31 | 0.40 | 0.45 | 0.50 | 0.64 | 0.72 |
| Future Merrihills - IL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.03 | 0.04 |
| Future Northeast - HL | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.04 | 0.04 | 0.05 | 0.06 | 0.12 | 0.13 | 0.14 | 0.15 | 0.18 | 0.20 | 0.25 | 0.30 | 0.33 |
| Future Northeast - IL | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.04 | 0.05 | 0.06 |
| Future North - IL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Future Northwest - HL | 0.27 | 0.31 | 0.35 | 0.33 | 0.42 | 0.47 | 0.52 | 0.65 | 0.73 | 0.69 | 0.79 | 0.89 | 0.87 | 1.09 | 1.23 | 1.36 | 1.71 | 1.90 |
| Future Northwest - IL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.03 |
| Future Rose Harbor - HL | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.04 | 0.04 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.04 | 0.05 | 0.06 | 0.06 |
| Future Rose Harbor - IL | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.04 | 0.06 | 0.06 | 0.07 | 0.07 | 0.09 | 0.10 | 0.12 | 0.15 | 0.16 |
| Future Scenic Oaks - IL | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.03 | 0.04 | 0.05 | 0.06 | 0.09 | 0.10 | 0.11 | 0.11 | 0.14 | 0.15 | 0.18 | 0.23 | 0.25 |
| Future South - HHL | 0.01 | 0.02 | 0.02 | 0.01 | 0.02 | 0.03 | 0.02 | 0.02 | 0.03 | 0.13 | 0.18 | 0.24 | 0.14 | 0.21 | 0.27 | 0.16 | 0.25 | 0.31 |
| Future St. Bridget - IL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.01 |
| Future West Central - HHL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.02 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.04 | 0.05 | 0.06 |
| Future West - HHL | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.03 | 0.04 | 0.05 | 0.06 | 0.07 | 0.08 | 0.07 | 0.09 | 0.10 | 0.11 | 0.13 | 0.15 |
| Future Willow - HL | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | 0.05 | 0.06 | 0.07 | 0.08 | 0.12 | 0.14 | 0.15 | 0.15 | 0.19 | 0.21 | 0.23 | 0.29 | 0.33 |
| Future Willow - IL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| *Sub Total* | *0.5* | ***0.6*** | *0.6* | *0.6* | ***0.8*** | *0.9* | *1.0* | ***1.2*** | *1.4* | *1.6* | ***1.9*** | *2.1* | *2.0* | ***2.6*** | *2.9* | *3.1* | ***4.0*** | *4.5* |
| **Total** | 1.5 | **1.9** | 2.0 | 1.7 | **2.4** | 3.0 | 2.3 | **3.2** | 4.0 | 3.3 | **4.0** | 4.9 | 4.2 | **5.3** | 6.3 | 5.5 | **7.3** | 8.6 |

DRAFT

| Existing Zones | ADD (MGD) - 2050 | | | Peak Month (MGD) - 2050 | | | Peak Day (MGD) - 2050 | | | ADD (MGD) - 2065 | | | Peak Month (MGD) - 2065 | | | Peak Day (MGD) - 2065 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High |
| Airport High Level | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.03 | 0.02 | 0.03 | 0.04 |
| Arnolds High Level | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Baihly High Level | 0.42 | 0.42 | 0.42 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.74 | 0.74 | 0.74 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 | 0.87 |
| Golden Hill High Level | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 |
| Main Level | 0.95 | 1.67 | 1.98 | 1.05 | 1.82 | 2.37 | 1.24 | 2.09 | 2.67 | 0.71 | 1.88 | 1.93 | 1.01 | 2.11 | 2.77 | 1.27 | 2.46 | 3.16 |
| Merrihills Intermediate Level | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NE High Level | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.04 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.04 | 0.05 |
| NE Intermediate Level | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 |
| NW High Level | 0.45 | 0.56 | 0.70 | 0.55 | 0.72 | 0.87 | 0.75 | 0.98 | 1.17 | 0.55 | 0.68 | 0.68 | 0.85 | 0.88 | 1.07 | 1.12 | 1.20 | 1.43 |
| NW Intermediate Level | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 |
| Riverview Heights HL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Rose Harbor High Level | 0.06 | 0.07 | 0.08 | 0.08 | 0.10 | 0.12 | 0.14 | 0.17 | 0.19 | 0.08 | 0.09 | 0.11 | 0.11 | 0.14 | 0.15 | 0.17 | 0.22 | 0.25 |
| Rose Harbor Intermediate Level | 0.05 | 0.06 | 0.07 | 0.07 | 0.09 | 0.10 | 0.12 | 0.15 | 0.17 | 0.07 | 0.07 | 0.09 | 0.08 | 0.11 | 0.12 | 0.14 | 0.18 | 0.20 |
| Scenic Oaks Intermediate Level | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.04 | 0.04 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.04 | 0.05 | 0.05 |
| St Bridget Intermediate Level | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| Whispering Oaks Intermediate Lev | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Willow High Level | 0.03 | 0.04 | 0.04 | 0.04 | 0.05 | 0.06 | 0.07 | 0.09 | 0.10 | 0.04 | 0.05 | 0.06 | 0.05 | 0.07 | 0.08 | 0.09 | 0.11 | 0.13 |
| Willow Intermediate Level | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 |
| *Sub Total* | *2.0* | ***2.9*** | *3.3* | *2.3* | ***3.4*** | *4.1* | *2.9* | ***4.1*** | *4.9* | *2.2* | ***3.6*** | *3.7* | *3.1* | ***4.3*** | *5.2* | *3.8* | ***5.2*** | *6.2* |

| Future Zones | ADD (MGD) - 2050 | | | Peak Month (MGD) - 2050 | | | Peak Day (MGD) - 2050 | | | ADD (MGD) - 2065 | | | Peak Month (MGD) - 2065 | | | Peak Day (MGD) - 2065 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High | Low | Target | High |
| Future Airport - HL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Future Baihly - HL | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | 0.05 | 0.05 | 0.06 | 0.07 | 0.04 | 0.05 | 0.06 | 0.05 | 0.07 | 0.08 | 0.08 | 0.10 | 0.11 |
| Future - Golden Hills - HL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Future - MAIN | 0.30 | 0.35 | 0.41 | 0.39 | 0.50 | 0.57 | 0.63 | 0.79 | 0.90 | 0.37 | 0.43 | 0.50 | 0.48 | 0.62 | 0.70 | 0.77 | 0.98 | 1.10 |
| Future Merrihills - IL | 0.04 | 0.05 | 0.05 | 0.05 | 0.06 | 0.07 | 0.07 | 0.09 | 0.11 | 0.08 | 0.10 | 0.11 | 0.10 | 0.13 | 0.15 | 0.15 | 0.19 | 0.22 |
| Future Northeast - HL | 0.18 | 0.19 | 0.21 | 0.22 | 0.28 | 0.31 | 0.37 | 0.46 | 0.51 | 0.30 | 0.33 | 0.37 | 0.37 | 0.47 | 0.52 | 0.60 | 0.74 | 0.83 |
| Future Northeast - IL | 0.02 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.05 | 0.07 | 0.07 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.05 | 0.06 | 0.08 | 0.08 |
| Future North - IL | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.05 | 0.06 | 0.08 | 0.07 | 0.09 | 0.11 | 0.09 | 0.12 | 0.14 |
| Future Northwest - HL | 0.93 | 1.07 | 1.23 | 1.18 | 1.50 | 1.69 | 1.83 | 2.31 | 2.58 | 1.42 | 1.65 | 1.92 | 1.81 | 2.31 | 2.61 | 2.76 | 3.50 | 3.93 |
| Future Northwest - IL | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.03 | 0.03 | 0.04 |
| Future Rose Harbor - HL | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 | 0.05 | 0.06 | 0.08 | 0.08 | 0.11 | 0.12 | 0.14 | 0.13 | 0.17 | 0.19 | 0.21 | 0.26 | 0.30 |
| Future Rose Harbor - IL | 0.10 | 0.12 | 0.14 | 0.13 | 0.17 | 0.19 | 0.21 | 0.27 | 0.30 | 0.17 | 0.19 | 0.23 | 0.22 | 0.28 | 0.32 | 0.33 | 0.43 | 0.48 |
| Future Scenic Oaks - IL | 0.15 | 0.17 | 0.19 | 0.19 | 0.24 | 0.27 | 0.31 | 0.39 | 0.43 | 0.22 | 0.24 | 0.27 | 0.27 | 0.34 | 0.38 | 0.43 | 0.54 | 0.60 |
| Future South - HHL | 0.23 | 0.33 | 0.42 | 0.26 | 0.39 | 0.48 | 0.31 | 0.47 | 0.58 | 0.51 | 0.65 | 0.80 | 0.59 | 0.82 | 0.99 | 0.79 | 1.09 | 1.30 |
| Future St. Bridget - IL | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.01 | 0.02 | 0.02 | 0.03 | 0.02 | 0.03 | 0.03 | 0.03 | 0.04 | 0.04 |
| Future West Central - HHL | 0.03 | 0.03 | 0.04 | 0.04 | 0.05 | 0.05 | 0.05 | 0.07 | 0.08 | 0.05 | 0.06 | 0.07 | 0.07 | 0.09 | 0.10 | 0.10 | 0.13 | 0.14 |
| Future West - HHL | 0.12 | 0.14 | 0.16 | 0.15 | 0.20 | 0.22 | 0.23 | 0.29 | 0.33 | 0.24 | 0.28 | 0.32 | 0.30 | 0.38 | 0.44 | 0.44 | 0.56 | 0.64 |
| Future Willow - HL | 0.18 | 0.20 | 0.23 | 0.22 | 0.28 | 0.32 | 0.34 | 0.43 | 0.49 | 0.22 | 0.25 | 0.28 | 0.28 | 0.35 | 0.39 | 0.42 | 0.53 | 0.60 |
| Future Willow - IL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 |
| *Sub Total* | *2.4* | ***2.8*** | *3.2* | *3.0* | ***3.8*** | *4.3* | *4.6* | ***5.8*** | *6.6* | *3.8* | ***4.5*** | *5.2* | *4.8* | ***6.2*** | *7.1* | *7.3* | ***9.3*** | *10.6* |
| **Total** | 4.4 | **5.6** | 6.5 | 5.3 | **7.2** | 8.4 | 7.5 | **9.9** | 11.5 | 6.1 | **8.1** | 8.9 | 7.9 | **10.5** | 12.3 | 11.1 | **14.6** | 16.8 |




*Information depicted may include data unverified by AE2S. Any reliance upon such data is at the user's own risk. AE2S does not warrant this map or its features are either spatially or temporally accurate.*

Coordinate System: NAD 1983 HARN Adj MN Olmsted Feet | Edited by: ghansen | D:\Projects - D-Drive\RPU\04.0 Project Work\Water Demand and Growth Analysis\Future Landuse Analysis\GIS\Future Landuse Analysis - Mapping and Analysis.aprx | Portrait 11x171

Figure 22

## EXISTING AND PROPOSED FUTURE PRESSURE ZONES

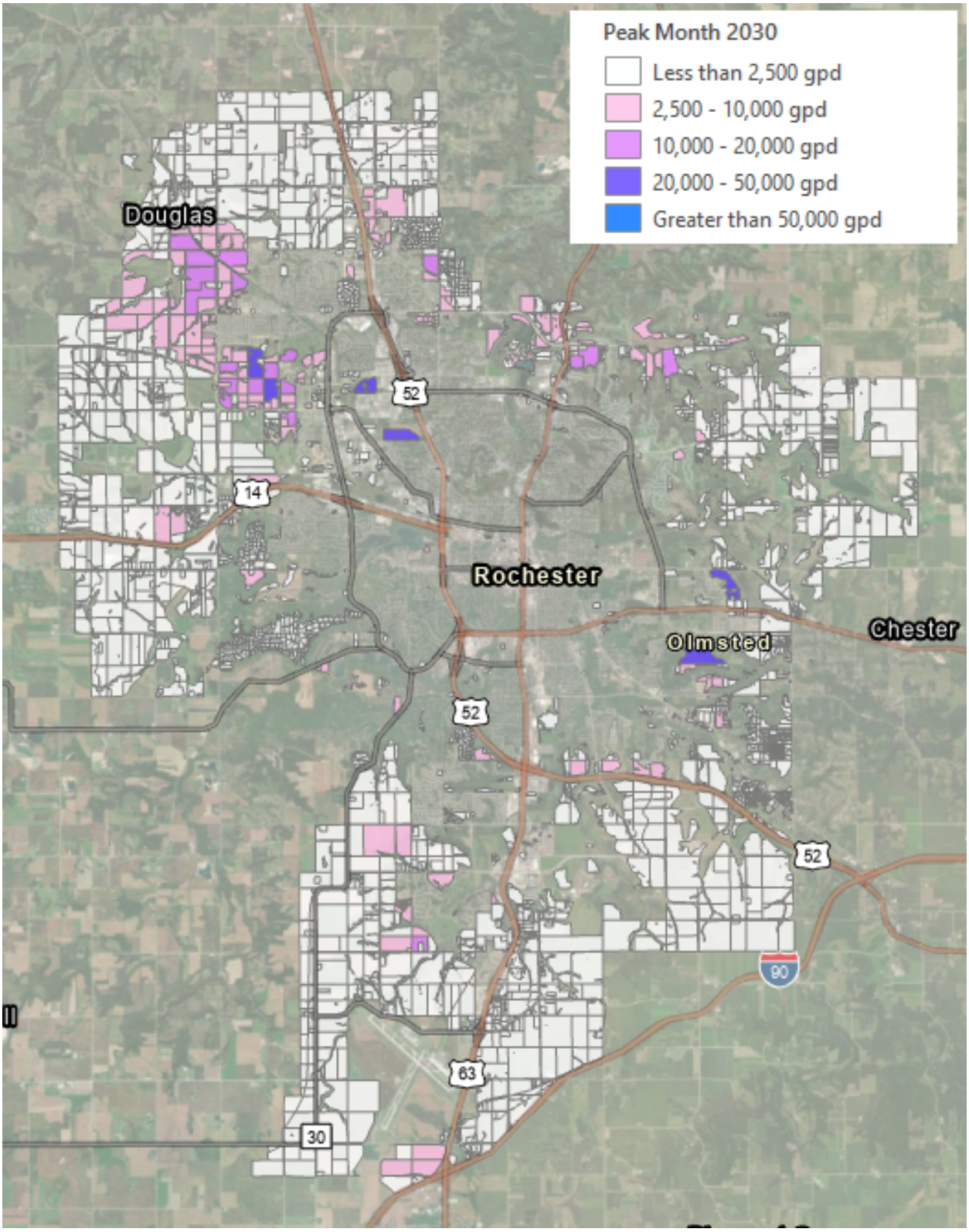
Rochester Public Utilities

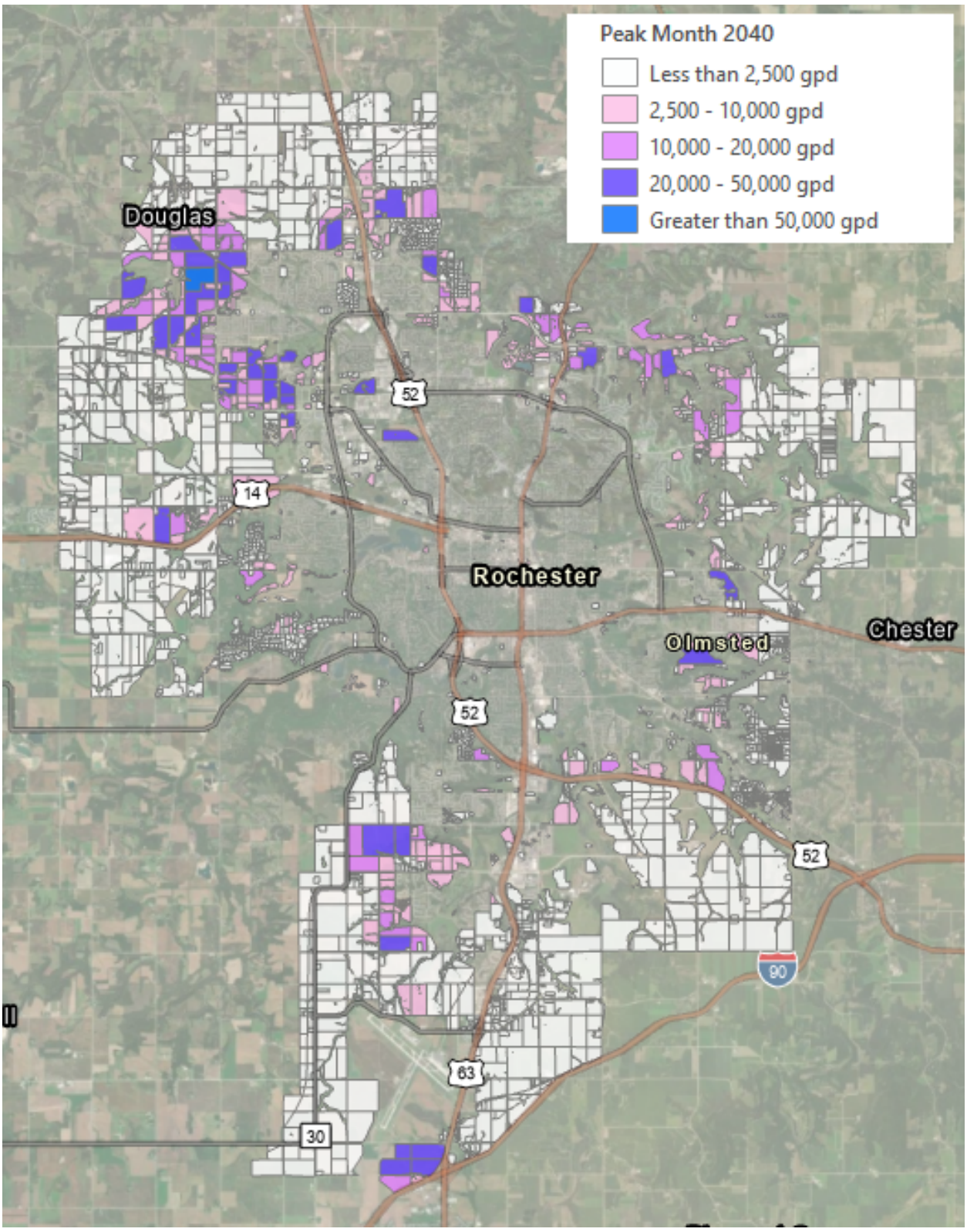
Date: 09-Jan-26

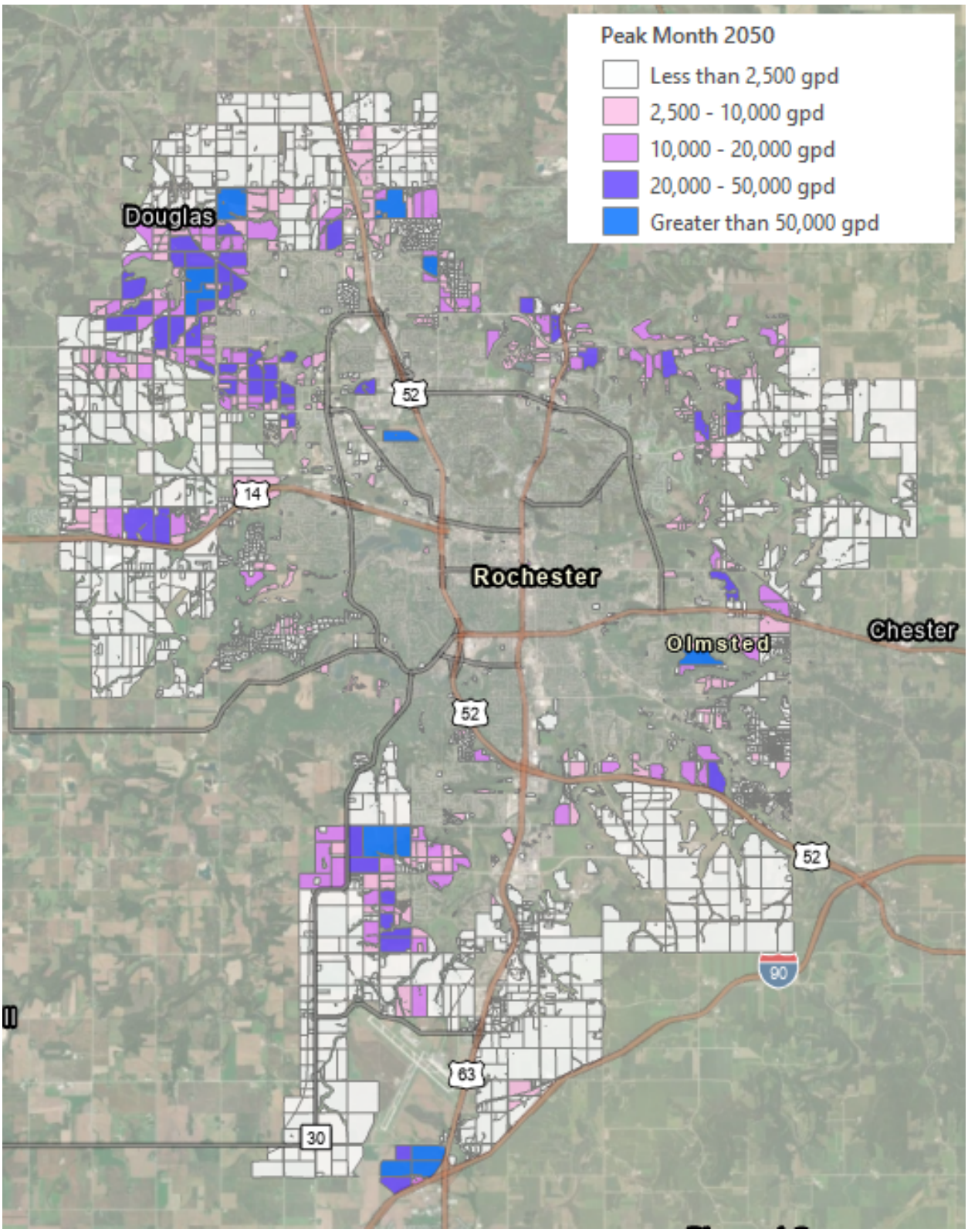
# APPENDIX A – PER-CAPITA USE DEMAND PER YEAR

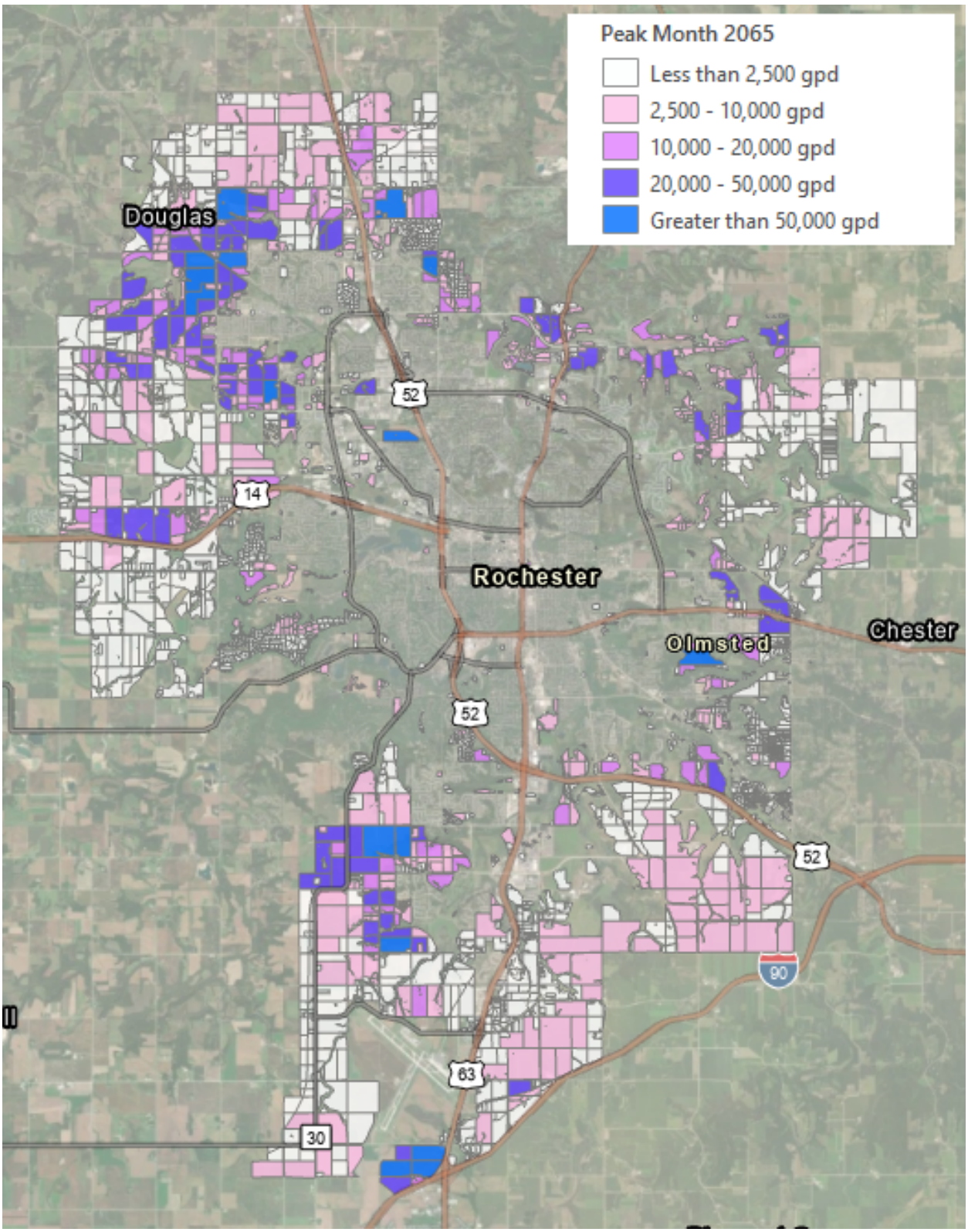
| Year | Population | Indoor Use (gpdc) | ADD (gpcd) | Outdoor Use (gpdc) | Summer (gpdc) | Peak Day (gpdc) |
|---|---|---|---|---|---|---|
| **2010** | **106,769** | | | | | |
| 2011 | 108,149 | | | | | |
| 2012 | 109,546 | | | | | |
| 2013 | 110,961 | | | | | |
| 2014 | 112,395 | | | | | |
| 2015 | 113,847 | 87 | 103 | 53 | 139 | 194 |
| 2016 | 115,318 | 88 | 106 | 52 | 140 | 172 |
| 2017 | 116,808 | 87 | 107 | 55 | 142 | 203 |
| 2018 | 118,318 | 82 | 101 | 59 | 141 | 191 |
| 2019 | 119,846 | 87 | 98 | 41 | 128 | 157 |
| **2020** | **121,395** | 83 | 99 | 57 | 139 | 181 |
| 2021 | 123,556 | 82 | 103 | 73 | 154 | 207 |
| 2022 | 125,716 | 80 | 95 | 48 | 127 | 172 |
| 2023 | 127,877 | 79 | 106 | 84 | 163 | 210 |
| 2024 | 130,037 | 79 | 95 | 47 | 126 | 160 |
| 2025 | 132,198 | 79 | 110 | 90 | 169 | 227.0 |
| 2026 | 134,358 | 78.8 | 109.8 | 90 | 169 | 226.8 |
| 2027 | 136,519 | 78.5 | 109.6 | 90 | 169 | 226.6 |
| 2028 | 138,679 | 78.3 | 109.3 | 90 | 168 | 226.3 |
| 2029 | 140,840 | 78.1 | 109.1 | 90 | 168 | 226.1 |
| **2030** | **143,000** | 77.8 | 108.9 | 90 | 168 | 225.9 |
| 2031 | 145,200 | 77.6 | 108.7 | 90 | 168 | 225.7 |
| 2032 | 147,400 | 77.4 | 108.5 | 90 | 167 | 225.5 |
| 2033 | 149,600 | 77.2 | 108.3 | 90 | 167 | 225.3 |
| 2034 | 151,800 | 77.0 | 108.1 | 90 | 167 | 225.1 |
| 2035 | 154,000 | 76.8 | 108.0 | 90 | 167 | 224.9 |
| 2036 | 156,200 | 76.7 | 107.8 | 90 | 167 | 224.7 |
| 2037 | 158,400 | 76.5 | 107.6 | 90 | 166 | 224.5 |
| 2038 | 160,600 | 76.3 | 107.4 | 90 | 166 | 224.3 |
| 2039 | 162,800 | 76.1 | 107.3 | 90 | 166 | 224.1 |
| **2040** | **165,000** | 76.0 | 107.1 | 90 | 166 | 223.9 |
| 2041 | 166,122 | 75.8 | 106.9 | 90 | 166 | 223.7 |
| 2042 | 167,244 | 75.6 | 106.8 | 90 | 166 | 223.6 |
| 2043 | 168,366 | 75.5 | 106.6 | 90 | 165 | 223.4 |
| 2044 | 169,488 | 75.3 | 106.5 | 90 | 165 | 223.2 |
| 2045 | 170,610 | 75.2 | 106.3 | 90 | 165 | 223.0 |
| 2046 | 171,732 | 75.1 | 106.2 | 90 | 165 | 222.9 |
| 2047 | 172,854 | 74.9 | 106.0 | 90 | 165 | 222.7 |
| 2048 | 173,976 | 74.8 | 105.9 | 90 | 165 | 222.5 |
| 2049 | 175,098 | 74.7 | 105.8 | 90 | 165 | 222.4 |
| **2050** | **176,220** | 74.5 | 105.6 | 90 | 165 | 222.2 |
| 2051 | 177,272 | 74.4 | 105.5 | 90 | 164 | 222.0 |
| 2052 | 178,324 | 74.3 | 105.4 | 90 | 164 | 221.9 |
| 2053 | 179,376 | 74.2 | 105.3 | 90 | 164 | 221.7 |
| 2054 | 180,428 | 74.1 | 105.1 | 90 | 164 | 221.6 |
| 2055 | 181,480 | 73.9 | 105.0 | 90 | 164 | 221.4 |
| 2056 | 182,532 | 73.8 | 104.9 | 90 | 164 | 221.3 |
| 2057 | 183,584 | 73.7 | 104.8 | 90 | 164 | 221.1 |
| 2058 | 184,636 | 73.6 | 104.7 | 90 | 164 | 221.0 |
| 2059 | 185,688 | 73.5 | 104.6 | 90 | 164 | 220.8 |
| 2060 | 186,740 | 73.4 | 104.5 | 90 | 163 | 220.7 |
| 2061 | 187,792 | 73.3 | 104.4 | 90 | 163 | 220.5 |
| 2062 | 188,844 | 73.3 | 104.3 | 90 | 163 | 220.4 |
| 2063 | 189,896 | 73.2 | 104.2 | 90 | 163 | 220.3 |
| 2064 | 190,948 | 73.1 | 104.1 | 90 | 163 | 220.1 |
| **2065** | **192,000** | 73.0 | 104.0 | 90 | 163 | 220.0 |

# APPENDIX B – LAND USE GROWTH PHASES




Peak Month 2040
Less than 2,500 gpd
2,500 - 10,000 gpd
10,000 - 20,000 gpd
20,000 - 50,000 gpd
Greater than 50,000 gpd
Douglas
Rochester
Olmsted
Chester
52
14
52
52
90
63
30


Peak Month 2050
Less than 2,500 gpd
2,500 - 10,000 gpd
10,000 - 20,000 gpd
20,000 - 50,000 gpd
Greater than 50,000 gpd
Douglas
Rochester
Olmsted
Chester
52
14
52
52
90
63
30


Peak Month 2065
Less than 2,500 gpd
2,500 - 10,000 gpd
10,000 - 20,000 gpd
20,000 - 50,000 gpd
Greater than 50,000 gpd
Douglas
Rochester
Olmsted
Chester
52
14
52
52
90
63
30

# APPENDIX C – 2023 MAYO CLINIC 5-YEAR PLAN UPDATE

ROCHESTER BOARDS & COMMISSIONS

# REQUEST FOR ACTION

**Advanced Metering Project Update**

**MEETING DATE:**
**February 17, 2026**

**ORIGINATING DEPT:**
**Rochester Public Utilities**

**AGENDA SECTION:**
**Informational**

**PRESENTER:**
**Scott Nickels, Director of Power Delivery**

## Action Requested:
No action required. Informational only.

## Report Narrative:
Director of Power Delivery, Scott Nickels will present a status update on the Advanced Metering project. This informational presentation will highlight the project achievements to date, the remaining timeline of project deliverables, budget performance, and review the overall project status.

## Prepared By:
Scott Nickels

## Attachments:

ROCHESTER BOARDS & COMMISSIONS

# REQUEST FOR ACTION

**RPU Index of Board Policies**

**MEETING DATE:**
**February 17, 2026**

**ORIGINATING DEPT:**
**Rochester Public Utilities**

**AGENDA SECTION:**
**Board Policy Review**

**PRESENTER:**
**Timothy McCollough, General Manager**

## Action Requested:
Review the Index of Board Policies to summarize progress on policy updates and determine future policy review items.

## Report Narrative:
RPU Board policies are updated throughout the year as needed.

## Prepared By:
Erin Henry-Loftus

## Attachments:
Exhibit - Rochester Public Utilities Index of Board Policies

| BOARD POLICY | REVISION DATE | DAYS SINCE LAST REVIEW | MONTHS SINCE LAST REVIEW | FOCUS AREA / STAFF LIAISON | ANTICIPATED REVISION TIME PERIOD | TARGET COMPLETION DATE |
|---|---|---|---|---|---|---|
| | REVISION DATE | DAYS SINCE LAST REVIEW | MONTHS SINCE LAST REVIEW | FOCUS AREA / STAFF LIAISON | ANTICIPATED REVISION TIME PERIOD | TARGET COMPLETION DATE |
| 1. Mission Statement | 04/25/23 | 1019 | 34 | Policy / Tim McCollough | | |
| 2. Board Responsibilities and Functions | 09/26/23 | 865 | 28 | Policy / Tim McCollough | | |
| 3. Board Relationship with the Common Council | 11/26/24 | 438 | 14 | Policy / Tim McCollough | | |
| 4. Board Organization | 03/27/18 | 2874 | 94 | Policy / Tim McCollough | Q2 2026 | 12/15/26 |
| 5. Board Procedures | 04/30/24 | 648 | 21 | Policy / Tim McCollough | | |
| 6. Delegation of Authority/Relationship with Management | 07/22/25 | 200 | 7 | Policy / Tim McCollough | | |
| 7. Member Attendance at Conferences and Meetings | 12/18/18 | 2608 | 86 | Policy / Tim McCollough | | |
| 8. Board Member Expenses | 12/18/18 | 2608 | 86 | Policy / Tim McCollough | | |
| 9. Conflict of Interest | DELETED | N/A | N/A | N/A | | |
| 10. Alcohol and Illegal Drugs | DELETED | N/A | N/A | N/A | | |
| 11. Worker Safety | 03/27/12 | 5065 | 167 | Policy / Tim McCollough | Q3 2026 | 09/29/26 |
| CUSTOMER | | | | | | |
| 12. Customer Relations | 04/30/19 | 2475 | 81 | Ops & Admin /Patty Hanson | | |
| 13. Public Information and Outreach | 04/30/19 | 2475 | 81 | Communications / Patty Hanson | | |
| 14. Application for Service | 07/01/16 | 3508 | 115 | Communications / Patty Hanson | Q1 2027 | 03/30/27 |
| 15. Electric Utility Line Extension Policy | 03/28/17 | 3238 | 106 | Finance / Peter Hogan | | |
| 16. Billing, Credit and Collections Policy | 04/26/22 | 1383 | 45 | Finance / Peter Hogan | | |
| 17. Electric Service Availability | 10/29/19 | 2293 | 75 | Ops & Admin / Scott Nickels | | |
| 18. Water and Electric Metering | 05/20/25 | 263 | 9 | Ops & Admin / Scott Nickels | | |
| 19. Adjustment of Utility Services Billed | 06/29/21 | 1684 | 55 | Finance / Peter Hogan | | |
| 20. Rates | 11/25/25 | 74 | 2 | Finance / Peter Hogan | Q2 2027 | 06/29/27 |
| 21. Involuntary Disconnection | 03/25/25 | 319 | 10 | Communications / Peter Hogan | | |
| ADMINISTRATIVE | | | | | | |
| 22. Acquisition and Disposal of Interest in Real Property | 12/19/17 | 2972 | 98 | Ops & Admin / Scott Nickels | Q4 2026 | 12/15/26 |
| 23. Electric Utility Cash Reserve Policy | 01/28/20 | 2202 | 72 | Finance / Peter Hogan | | |
| 24. Water Utility Cash Reserve Policy | 01/28/20 | 2202 | 72 | Finance / Peter Hogan | | |
| 25. Charitable Contributions | 06/25/19 | 2419 | 80 | Communications / Peter Hogan | | |
| 26. Utility Compliance | 10/24/17 | 3028 | 100 | Communications / Bill Bullock | | |
| 27. Payment in Lieu of Taxes (Formerly Contribution in Lieu of Taxes) | 08/27/24 | 529 | 17 | Finance / Peter Hogan | | |
| 28. Joint-Use of Infrastructure and Land Rights | 03/30/21 | 1775 | 58 | Ops & Admin / Scott Nickels | | |
| 29. Customer Data Management Policy | 07/30/24 | 557 | 18 | Communications / Peter Hogan | | |
| 30. Life Support Designation Policy | 09/30/25 | 130 | 4 | Communications /Patty Hanson | | |
| 31. Electric Utility Undergrounding Policy | 06/25/24 | 592 | 19 | Ops & Admin / Scott Nickels | | |
| 32. Financial Policies - New Policy | 06/30/26 | | | Finance / Peter Hogan | Q2 2026 | 06/30/26 |
| Red - Currently being worked on | | | | | | |
| Green - Will be scheduled for revision | | | | | | |
| Orange - Policy is up for review by ad hoc group | | | | | | |
| Marked for deletion | | | | | | |

ROCHESTER BOARDS & COMMISSIONS

# REQUEST FOR ACTION

**General Managers Report**

**MEETING DATE:**
**February 17, 2026**

**ORIGINATING DEPT:**
**Rochester Public Utilities**

**AGENDA SECTION:**
**General Managers Report**

**PRESENTER:**
**Timothy McCollough, General Manager**

## Action Requested:
No action required. Informational only.

## Report Narrative:
The General Manager's Report will be distributed by email in advance of the meeting as a monthly summary of organizational activities, reflecting our effort to balance upcoming ADA compliance obligations for PDFs and other digital materials with continued transparency, and will be reviewed and discussed during the meeting. The process will be modeled after the City of Rochester's weekly Council updates, which provide a concise, standardized operational snapshot.

## Prepared By:
Erin Henry-Loftus

## Attachments:

ROCHESTER BOARDS & COMMISSIONS

# REQUEST FOR ACTION

**Division Reports and Metrics for February 2026**

**MEETING DATE:**
**February 17, 2026**

**ORIGINATING DEPT:**
**Rochester Public Utilities**

**AGENDA SECTION:**
**Division Reports & Metrics**

**PRESENTER:**
**General Manager, Tim McCollough**

## Action Requested:
Informational only. No action required.

## Report Narrative:
This month, we will transition to a monthly email summary to the Board that consolidates key metrics and division activity updates. Division Directors will continue to attend meetings and will be available to address questions or provide additional details as needed. This approach is intended to maintain transparency while supporting compliance with the updated ADA communication requirements taking effect in April 2026. The format will be modeled after the City of Rochester's weekly Council updates, which provide a concise, standardized operational snapshot.

## Prepared By:
Erin Henry-Loftus

## Attachments: