



SUSTAINABILITY COMMISSION MEETING
TUESDAY, JUNE 16, 2020
WEBEX VIRTUAL MEETING
6:00 PM

NOTES FROM CHAIR SANDRY

Fellow Commissioners

As a reminder, we will again be meeting using WebEx. See the instructions below.

We have a packed agenda for our meeting on Tuesday which is reflection of the many initiatives that are currently underway progress. In order to be as efficient as possible we are including a number of documents and presentations to provide background for some of the discussion. The following are suggestions on how you can best prepare for the meeting:

- **Greenhouse Gas Emissions Update to City Council:** We will bring a revised narrative to the meeting for input and discussion.
- **Climate Emergency Declaration.** We will continue the discussion that we started at the last meeting about whether to pursue this or not. Commissioners are asked to do the following preparation (note that the sample resolution is below):
 - Come with some general thoughts about the following questions:
 1. How would declaring a Climate Emergency further the efforts of carbon reduction in Bloomington? Is this more of an emergency than affordable housing?
 2. What would our resolution contain? Take a look at the sample resolution below and especially at the “BE IT RESOLVED”s. Generally speaking, how well would these actions fit for us? What would you change, add, subtract?
- We start with each of us answering the questions above and based on what we hear, decide what to do from there.
- **Environmental Justice & Racial Equity Work.** This is a follow-up to the presentation and conversation we had with Faith Jackson at our last meeting. One of the objectives that we discussed in response to the presentation is to ensure that we are prepared to incorporate Justice and Racial Equity into our conversations as we begin to discuss our 2021 Work Plan. We will discuss specific next steps.
- **Air Sealing and Insulating Pilot.** Emma will share the conversations that she has had with CenterPoint Energy about pre-rebates and bonus rebates for air sealing. We will discuss and provide input.
- **GreenStep Cities:** BLOOMING HAS ACHIEVED GREEN STEPS LEVEL 4 !!! We will acknowledge and celebrate all the hard work that went into this accomplishment (in record time) – especially on Emma’s part.
- **Energy Disclosure Policy Work:** There will be updates on the following two initiatives:
 - **Business Benchmarking:** All Bloomington businesses of a certain size would be required to provide the City of Bloomington their energy usage and well as a profile of their building(s). We will receive

an update and discuss next steps. See the included slide decks.

- **Time of Sale:** When a resident puts their house on the market an inspection is required. This would expand that inspection to include some basic energy related data (e.g. are the walls insulated, is their insulation in the attic) which would be enough to generate a report similar to what would be generated after a Home Energy Squad visit which would be available to potential buyers. We will get an update and discuss next steps. See the included slide decks.
- **Curbside Cleanup Updates:** A subgroup met with staff to review a proposed timeline for rolling out the Curbside replacement (vouchers for large item pick-up paired with an annual / semi-annual drop-off event). We will review the timeline.
- **Collaboration with Parks, Arts, and Recreation Commission:** Commissioners Bouta, Erdman and Sandry met with PARCs to discuss how we might collaborate on natural open space restoration / preservation. We will review the conversations and discuss potential next steps. See the included presentation.
- **Commercial/Industrial/Institution Irrigation Program:** We are about to kick off a program targeted at the top 100 Commercial users of irrigation water. The program offers a very low cost evaluation of their sprinkler system, a report of improvements that will reduce their water usage, and buydowns on water saving smart controllers and sprinkler heads. See the included letter.
- **June 2020 Work Plan Updates:** This will cover any additional updates.
- **Community Engagement and Outreach Opportunities:** We will be asked to do the following:
 - Select a sustainability topic for the September Briefing
 - Identify potential community engagement and outreach ideas / actions for June and July

Please come with ideas!

HOW TO JOIN A WEBEX MEETING

Sustainability Commission Meeting

Tuesday, June 16, 2020, 6:00 p.m.

The virtual meeting will begin at 6:00 p.m. via Webex.

Event number: 133 039 5868

Event Password: JuneMeeting

When it's time, join the meeting using one of the methods listed below.

Join by Phone

To join the meeting by phone (audio only), call the following number and enter the meeting access code. A mobile phone is recommended to avoid a long distance charge.

Meeting phone number: +1-415-655-0001

Meeting access code: 133 039 5868

Join by Computer

<https://logis.webex.com/logis/onstage/g.php?MTID=e8b26353224bcc3575d51c9571b100478>

1. CALL TO ORDER

1.1 Roll Call

2. APPROVAL OF MINUTES

2.1 Approval of May Meeting Minutes

3. ORGANIZATIONAL BUSINESS

- 3.1 Water Resources Specialist Introduction
- 3.2 Greenhouse Gas Emissions Update to City Council
- 3.3 Climate Emergency Declaration
- 3.4 Environmental Justice & Racial Equity Work
- 3.5 Air Sealing and Insulation Pilot

4. STRATEGIC ITEMS

- 4.1 GreenStep Cities Update
- 4.2 Energy Disclosure Policy Work
- 4.3 Curbside Cleanup Updates
- 4.4 Collaboration with Parks, Arts, and Recreation Commission
- 4.5 Commercial/Industrial/Institutional Irrigation Program Update
- 4.6 June 2020 Work Plan Updates
- 4.7 Community Engagement and Outreach Opportunities

5. OTHER BUSINESS AND ANNOUNCEMENTS

6. NEXT MEETING

July 21, 2020

7. ADJOURNMENT

BloomingtonMN.gov: A yearly meeting schedule, agendas, and the official minutes once approved are available. If you require a reasonable accommodation, please call 952-563-8733 (MN Relay 711) as soon as possible, but no later than 9:00 a.m. one business day before the meeting day.



Commission Agenda Item

Originator Public Works	Item Roll Call
Agenda Section CALL TO ORDER	Date June 16, 2020

Requested Action:

No formal action required, for informational purposes only.

Description:

Kim Larson, Office Coordinator, will conduct a roll call to ensure a quorum is met.



Commission Agenda Item

Originator Public Works	Item Approval of May Meeting Minutes
Agenda Section APPROVAL OF MINUTES	Date June 16, 2020

Requested Action:

Approval of May 19, 2020 Sustainability Commission meeting minutes.

Description:

Draft minutes from the May 19, 2020 Sustainability Commission meeting are attached for review and approval.

Attachments:

[Unapproved May Meeting Minutes](#)



Sustainability Commission

Unapproved Meeting Minutes

May 19, 2020

6:00 PM

WebEx Meeting

Commissioners Present: Rob Bouta, David Drummond, Paul Erdmann, Steve Flagg, John Jaimez, Dwayne Lowman, Lilly Marohn, Tim Sandry, Joe Strommen, Deanna White, and Xiaoxin Zeng

Commissioners Absent: None

City of Bloomington Staff: Ellen Biales, Deputy Public Works Director; Kim Larson, Office Coordinator; and Emma Struss, Sustainability Coordinator

Guests: Faith Jackson, Racial Equity Coordinator; and Meg Hannasch, Green Corps Member

1. CALL TO ORDER

Chair Sandry called the meeting to order at 6:06 p.m.

1.1 Roll Call

Kim Larson, Office Coordinator, conducted a roll call. All of the Commissioners were present.

2. APPROVAL OF THE MINUTES

2.1 Approval of April Meeting Minutes

Commissioner Drummond motioned to approve the April 21, 2020 Sustainability Commission minutes; Commissioner Bouta seconded. Motion passed unanimously.

3. ORGANIZATIONAL BUSINESS

3.1 Racial Equity Coordinator Introduction

Faith Jackson, Racial Equity Coordinator, introduced herself to the Commission and provided a presentation about the City's racial equity initiatives.

Commission discussion:

- Chair Sandry expressed his appreciation for this overview. He shared that our experience is with those mostly like us and those we interact with. He questioned how we begin to understand how we find out what the needs are.
 - Jackson said that a partnership with the community is vital to that and has had conversations with Emma Struss, Sustainability Coordinator, regarding this. Get to know the community. Data mapping has been important. It has to be a deliberate process to engage those voices, and we need to meet them where they are. We need to figure out how to eliminate barriers. Community Outreach and Engagement Department (COED) staff with the City is an excellent resource in expanding the reach of engagement. The commitment to the long haul is important.
- Commissioner Flagg asked about businesses and inclusion.
 - Jackson is doing some work with the City partners. Planning to work with BIPOC (Black, Indigenous, and People of Color) leaders to see how we can better engage. Jackson also working with COED to identify businesses.
- Commissioner Drummond thinks we need more than just One Bloomington in connecting the City. There are isolated neighborhoods and that hurts everyone. Need more friendly pedestrian crossings (i.e. 35W). Need visual things to get people thinking about the issues.
 - Jackson stated that representation of the community in the work is important. They need to see that the work directly impacts them.
- Commissioner Lowman recommends to Chair Sandry that Jackson's full presentation is done in its entirety for the Commission. He encourages people to have a dialogue with Jackson to understand what this is and what this is not. He also stressed that we need to be intentional about integrating equity into our policies.
- Commissioner Strommen added that this a challenge for us in that a lot of our programs are not designed to help people but to change behavior to be less impactful on the environment and target those with more money. This will need to be addressed.
- Chair Sandry will work with Struss to have some additional conversations about next steps, especially with our initiatives and future planning with a goal of being intentional
 - Commissioner Drummond would like to be involved with the discussions.

3.2 Greenhouse Gas Emissions Update

Sustainability Coordinator Struss provided an update about Bloomington's greenhouse gas emissions from energy, solid waste, and transportation.

Commission discussion:

- Commissioner Lowman said it would make sense to tie this together with the target neighborhoods initiative.
- Commissioner Drummond asked for consideration of residential and municipal solar, which was not included. Commissioner Strommen replied that solar was talked about a lot doing the energy action plan. They decided to focus more on home efficiency/heating type of stuff and more impactful per dollar spent items. The other issue with solar is that the majority of homes in City have shaded roofs; thus, only a small percentage of homes that could take advantage.
- Commissioner Flagg inquired if any research has been done to measure emissions during the COVID crisis related to the lack of transportation and GHG emissions. Struss will reach out

see if that is being done. Commissioner Strommen has seen national stuff and the impact on emissions has been low, but it is temporary and will bounce back.

- Chair Sandry said that we need to increase the conversion rate of Home Energy Squad visits leading to insulation and air sealing jobs. Struss said that we would have the Bloomington data from CenterPoint Energy in July.

3.3 Preparation for Greenhouse Gas Emissions Update to City Council

Struss discussed the proposed presentation outline for a City Council greenhouse gas emissions update in July and requested feedback from the Commission.

Commission discussion:

- Commissioner Strommen’s feedback included that it is a good, thorough outline. Recommends to spend less time on the “in the weeds” stuff. The message is that the City Council will have to take on more work and go out more on a limb than they have previously. Be clear that we are not on track to meet goal, and that we need to do more than we have been.
- Commissioner Bouta inquired if this is for a study session or regular meeting to which Struss stated that is planned for the study session on July 20th. Commissioner Bouta added that while the topic is worthwhile, is there something to include that would show what would happen if we don’t get on track? Struss will bring what that means for Bloomington. Commissioner Strommen added that the EPA has good information about what climate changes mean for Minnesota. Bouta said to add what it means globally.
- Commissioner Drummond said that we should give the Council a few steps that might mitigate this (i.e. what should “I” do as a Council member? and what should the City Council support, communicate, etc.?). Struss said that is an important part. It is a long conversation and it could get into the weeds. Struss will follow up and providing updates will be necessary. She only has an hour and education takes time.
- Commissioner Lowman agrees with Commissioner Drummond’s suggestion. He added that it is well thought out and laid out. As policy makers, the Council is challenged with not having the solutions. If staff and the Commission can really lay out some pathways and provide alternatives, and the advantages and disadvantage of doing those things, it will help to sharpen and move this quicker. Note that a change in City Council members also causes a re-education.
- Chair Sandry said to bring a solution: Here’s the problem and here are some potential solutions. Do not leave that gap as it will cause us to lose momentum.
- Commissioner Strommen included that it is a good idea to include calls to action for City Council. Let them know that there is a lot of stuff in the future, and we will be coming back with proposals in the future on the various things. As Council members, when we come to you with our homework done, we ask you to say “yes” to it. Commissioner Strommen added that we might want to include an introduction from a Commissioner of this and laying out the persuasive case. Struss said she could bring data and education, and the Commissioner could bring the call to action.
- Commissioner Bouta stated that this will take a radical paradigm shift. We should fit the capital improvement plan into climate change rather than the other way around.
- Chair Sandry thanked Struss for the excellent presentation of data. We have a really big problem and we need to make more progress, quicker. Chair Sandry will work with Struss on incorporating the call to action information.

4. STRATEGIC ITEMS UPDATE

4.1 May 2020 Work Plan Updates

Commissioners shared the following information:

Energy and Carbon

- Commissioner Flagg and other commission members attended a meeting (first of three) in early May about business benchmarking. Discussion included policy and implementation development. Energy savings are a benefit of benchmarking.
- Commissioner Strommen is working with the Center for Energy and Environment on the possibility of an energy disclosure as part of the time of sale inspection with the City. First meeting was held last week. We are hoping to convince staff that this is worthwhile. Moving towards policy development to take to Council for approval.

Solid Waste

- Deputy Director Ellen Biales shared that Minnesota Green Corps member Meg Hannasch is the organizer of the virtual workshop intended for anyone interested in organics recycling and may need information on the what and how. Register ahead of time for this June 4th, 7 p.m. event. Depending on the number, we may deliver kitchen organics bins to those that participate.
- Chair Sandry shared that he and Laura Horner (Public Works Project Coordinator) presented an alternative to the current curbside cleanup program last Monday to the City Council. Proposal includes a voucher program for large bulky items paired with a community cleanup event centrally located. City Council was receptive and gave the green light to continue fleshing out what that would look like.
- Commissioner Lowman was contacted by Councilmember Coulter regarding curbside organic collection status. Biales said that staff has been waiting for the contract negotiations for the citywide program to wrap up. They met this week with attorneys on both sides to work out details. Staff would like to get started with haulers fairly shortly after the contract is signed on how to get curbside organics moving forward as it needs to be in place by January 2022.

Water Resources

- Chair Sandry said that a letter is being sent to the top 100 users of irrigation water inviting them to participate in a program to receive a free audit of their irrigation system.

Ecological Land Stewardship

- Commissioner Bouta shared that about a week and a half ago, a few Commissioners walked a trail at Marsh Lake Park. The idea is to have a trail of the week or month as a guide to park trails with a feature including information and a photo periodically. Commissioner Bouta will share with the Parks, Arts and Recreation Commission in June.
- Commissioner Bouta emailed staff today regarding the restoration of Parker's Picnic Ground. Commission could consider applying for another grant this fall.
- Commissioner Erdmann wrote an item on garlic mustard. The City website page for this is completed. There will also be a Facebook post and an eunsubscribe sent.
- Commissioner Bouta mentioned that the City of Burnsville did a cool publicity item on oak savanna restoration.

4.2 Community Engagement and Outreach Opportunities

Commission discussed the August theme, Water Quality, for the Briefing:

- Commissioner Erdmann touched on whether it is a wet year or dry year, water conservation may miss the mark. If it is wet, keep storm sewer clean and keeping chemicals out of the gutters are some initial thoughts. Chair Sandry added that this makes sense since in August we are heading into fall with raking and putting gardens to bed. It would make sense to encourage residents to do that in a way that is most environmentally friendly.
- Commissioners Bouta said it is also timely for ponds/lakes with the water bodies becoming scummy with algae. Encourage more sustainable lawns for better water quality.
- Struss will initiate an email tomorrow with Commissioner Bouta, Water Resources Specialist Jack Distel, and Communications staff to move forward.

5. OTHER BUSINESS AND ANNOUNCEMENTS

5.1 Climate Emergency Declaration Request

The City received a letter from a resident requesting a climate emergency declaration.

Commission discussion:

- Commissioner Strommen questioned why this came to Sustainability Commission when it was sent to the City Council. Commissioner Strommen said that it is asking for a political act and should be for the City Council.
- Struss explained that it was emailed originally to the City Council secretary last week and was forwarded to Struss for the Sustainability Commission so it was added to the agenda.
- Commissioner Lowman appreciates the process it followed. Commissioner Lowman is concerned with the vagueness of the request. Would need to have the ambiguity removed for him to support it.
- Commissioner Strommen said that there is an organization pushing and tracking these efforts. Maybe we could discuss their resolution sample at the next meeting. Chair Sandry said that could be done.
- Chair Sandry stated that personally it seems that it would be declared for something immediate, not years from now so it seems a bit off.
- Commissioner Flagg shared his thought that the Commission takes action and that declaring an emergency doesn't move us forward in itself and is not actionable, but just making a statement.
- Commissioner Drummond's opinion – symbol that something is happening. We are making stuff happen. Maybe a letter response is needed. Strommen – shared a few items from the sample resolution. The email is generic, but the resolution has action. Erdmann – should share what we are doing in the response. Lowman – really should have this on the agenda next time; political risk to this and we need to be clear about this; already signed onto the Paris Accord, we've acknowledged climate problem; this could cheapen the work we do with the Sustainability Commission and put us in a tricky position. Concerned but not sure about what this would achieve. Encourage to really look at long term of what we are trying to achieve. Look at this, but concerned about this pathway.
- Commissioner Bouta expressed his surprise at the skepticism as several cities have done this. Do not want to taint this with politics or fear, but that could shape how we present it. We are in an emergency so it makes sense to declare it.
- Commissioners are requested to look at the resolution before next month as this will be added to the June meeting.
- Struss did respond to resident with information and received appreciation on it.

Other Business/Announcement

Commissioner Erdmann shared that there is a sustainable lawns presentation/webinar on May 28th, 6 p.m., taught by Greg Thompson. Visit Nine Mile Creek Watershed's website for more information and to register.

6. NEXT MEETING

The next Commission meeting is scheduled for Tuesday, June 16, 2020.

7. ADJOURNMENT

Commissioner Drummond moved to adjourn the May 19, 2020 Sustainability Commission meeting; Commissioner Flagg seconded. Motion passed unanimously (not including Jaimez and White as they had both left the meeting earlier). The meeting adjourned at 8:42 p.m.



Commission Agenda Item

Originator Public Works	Item Water Resources Specialist Introduction
Agenda Section ORGANIZATIONAL BUSINESS	Date June 16, 2020

Requested Action:

No formal action required, for informational purposes only.

Description:

Water Resources Specialist Jack Distel will introduce himself and explain his role at the City.



Commission Agenda Item

Originator Public Works	Item Greenhouse Gas Emissions Update to City Council
Agenda Section ORGANIZATIONAL BUSINESS	Date June 16, 2020

Requested Action:

No formal action requested, for informational purposes only.

Description:

Sustainability Coordinator Struss will share updates about the greenhouse gas emission presentation for City Council.



Planning Commission Item

Originator Public Works	Item Climate Emergency Declaration
Agenda Section ORGANIZATIONAL BUSINESS	Date June 16, 2020

Requested Action:

A vote to determine if the Sustainability Commission should continue to consider a recommendation to declare a climate emergency in Bloomington.

Description:

Discuss Bloomington resident Autumn Raw's recommendation to [declare a climate emergency](#). Review [the climate emergency declaration resolution template](#) associated with [The Climate Mobilization](#).

Attachments:

[Climate Emergency Declaration Resolution Template](#)

RESOLUTION ENDORSING THE DECLARATION OF A CLIMATE EMERGENCY AND EMERGENCY MOBILIZATION EFFORT TO RESTORE A SAFE CLIMATE

WHEREAS, in April 2016 world leaders recognized the urgent need to combat climate change it by signing the Paris Agreement, agreeing to keep global warming “well below 2°C above pre-industrial levels” and to “pursue efforts to limit the temperature increase to 1.5°C;”

WHEREAS, the death and destruction already wrought by current average global warming of 1°C demonstrate that the Earth is already too hot for safety and justice, as attested by increased and intensifying wildfires, floods, rising seas, diseases, droughts, and extreme weather;

WHEREAS, according to the United Nations’ Special Rapporteur on Extreme Poverty, 1.5°C of global warming could expose 500 million people to water poverty, 36 million people to food insecurity because of lower crop yields, and 4.5 billion people to heat waves;

WHEREAS, in October 2018, the United Nations released a special report which projected that limiting warming to even the dangerous 1.5°C target this century will require an unprecedented transformation of every sector of the global economy by 2030;

WHEREAS, climate change and the global industrialized economy’s overshoot of ecological limits are driving the Sixth Mass Extinction of species, could devastate much of life on Earth for many millennia, and may pose as great a risk to humanity as climate change, according to the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services;

WHEREAS, the United States of America has disproportionately contributed to the climate and ecological emergencies and thus bears an extraordinary responsibility to rapidly solve these crises;

WHEREAS, in July 2019, U.S. Senator Bernie Sanders, Representative Earl Blumenauer, and Representative Alexandria Ocasio-Cortez introduced a concurrent Congressional resolution to declare a national climate emergency in the United States, calling for a “national, social, industrial, and economic mobilization of the resources and labor of the United States at a massive scale to halt, reverse, mitigate, and prepare for the consequences of the climate emergency and to restore the climate for future generations;”

WHEREAS, restoring a safe and stable climate requires a Climate Mobilization, an emergency mobilization on a scale not seen since World War II in order to reach zero greenhouse gas emissions across all sectors of the economy; to rapidly and safely drawdown and remove all the excess carbon from the atmosphere at emergency speed and until safe, pre-industrial climate conditions are restored; and to implement measures to protect all people and species from the consequences of abrupt climate breakdown;

WHEREAS, such necessary measures to restore a safe climate include:

- a. A rapid, just, managed phase-out of fossil fuels;
- b. Ending greenhouse gas emissions as quickly as possible to establish a zero-emissions economy;
- c. A widespread effort to safely drawdown excess carbon from the atmosphere;
- d. A full transition to a regenerative agriculture system; and
- e. An end to the Sixth Mass Extinction through widespread conservation and restoration of ecosystems;

WHEREAS, justice requires that frontline and marginalized communities, which have historically borne the brunt of the extractive fossil-fuel economy, participate actively in the planning and implementation of this mobilization effort and that they benefit first from the transition to a climate-safe economy;

WHEREAS, the massive scope and scale of action necessary to stabilize the climate and biosphere will require unprecedented levels of public awareness, engagement, and deliberation to develop and implement effective, just, and equitable policies to address the climate emergency;

WHEREAS, [CITY/COUNTY] can act as a global leader through initiating an emergency Climate Mobilization to convert to an ecologically, socially, and economically regenerative local economy at emergency speed, as well as advocating for regional, national, and international efforts necessary to reverse global warming and the ecological crisis;

NOW BE IT THEREFORE RESOLVED, [CITY/COUNTY] declares that a climate and ecological emergency threatens our city, region, state, nation, civilization, humanity and the natural world;

BE IT FURTHER RESOLVED, [CITY/COUNTY] commits to a [city/county]wide mobilization effort to reverse global warming and the ecological crisis, which, with appropriate financial and regulatory assistance from State and Federal authorities, ends [city/county]wide greenhouse gas emissions as quickly as possible and no later than 2030 and immediately initiates an effort to safely draw down carbon from the atmosphere, ensuring a just transition for residents and accelerating adaptation and resilience strategies in preparation for intensifying local climate impacts;

BE IT FURTHER RESOLVED, the [CITY/COUNTY] Council directs that an all-staff meeting be held to educate [CITY/COUNTY] staff on the latest climate science and the mobilization of resources needed in response within two weeks of the date of this resolution;

BE IT FURTHER RESOLVED, the [CITY/COUNTY] Council directs all [CITY/COUNTY] Departments, proprietaries, and commissions to report back within 60 days of the date of the all-staff meeting referenced above on maximum emergency reductions in greenhouse gas emissions from their operations feasible by the end of 2030;

BE IT FURTHER RESOLVED, the [CITY/COUNTY] Council directs [RELEVANT DEPT/AGENCY] to report back within 90 days on the feasibility for the rapid phase out of fossil fuel production, power generation, and use within [city/county] limits, including immediate changes to building codes, local ordinances, and permitting processes to prevent the construction of new local fossil fuel infrastructure;

BE IT FURTHER RESOLVED, the [CITY/COUNTY] Council directs the [DEPARTMENT OF PLANNING] to report back on opportunities for radical greenhouse gas and co-pollutant emissions reductions and greenhouse gas drawdown opportunities through updates to the [CITY/COUNTY GENERAL PLAN] and [COMMUNITY PLAN], including metrics that prioritize the decrease of fossil fuel use and climate-adaptive land use planning;

BE IT FURTHER RESOLVED, the [CITY/COUNTY] Council directs the [CITY/COUNTY ADMINISTRATIVE OFFICER] and [EMERGENCY MANAGEMENT DEPARTMENT] to report back

on opportunities and funding to address the climate and ecological emergency and its impacts through existing hazard mitigation programs;

BE IT FURTHER RESOLVED, [CITY/COUNTY] directs the [CITY/COUNTY CLERK] to work with the [EXISTING SUSTAINABILITY STAFF/DEPARTMENT] to include greenhouse gas and co-pollutant impact statements, greenhouse gas and co-pollutant reduction and greenhouse gas drawdown statements in all relevant Council motions, much as it currently includes fiscal impact statements;

BE IT FURTHER RESOLVED, the [CITY/COUNTY] directs the [OFFICE OF LEGISLATIVE ANALYSIS] to work with the [OFFICE OF ADMINISTRATION] to report back within 90 days on the establishment of a Climate Emergency Mobilization [DEPARTMENT/TASK FORCE/MANAGER] to oversee the city-wide mobilization effort, with all necessary powers to coordinate [CITY/COUNTY] climate and environment programs including the development of a 10-year “Climate Mobilization Action Plan” to guide the climate emergency response, as well as all climate mitigation, resilience, adaptation, engagement, education, advocacy, and research and development programs;

BE IT FURTHER RESOLVED, the [CITY/COUNTY] commits to engaging our residents in public deliberations on the climate emergency, which will directly inform the creation of the [CITY/COUNTY] Climate Mobilization Action Plan in order to accomplish this city-wide climate mobilization effort and to ensure a just transition with the full democratic participation of the residents of [CITY/COUNTY];

BE IT FURTHER RESOLVED, the [CITY/COUNTY] commits to keeping the concerns of frontline and marginalized central to all Climate Emergency Mobilization program planning processes and to inviting and encouraging such communities to actively participate in the development and implementation of this Climate Mobilization Action Plan and all climate mobilization efforts;

BE IT FURTHER RESOLVED, the [CITY/COUNTY] recognizes that the full participation, inclusion, support, and leadership of community organizations, faith communities, youth, labor organizations, academic institutions, indigenous groups, and racial, gender, family, immigrant and disability justice and organizations and other allies are integral to the climate emergency response and mobilization efforts;

BE IT FURTHER RESOLVED, the [CITY/COUNTY] joins a national-wide call for a regional, national, and international climate emergency mobilization effort focused on rapidly catalyzing a mobilization at all levels of government to reverse global warming and the ecological crisis;

BE IT FURTHER RESOLVED, with the concurrence of the Mayor, that by the adoption of this Resolution, the [CITY/COUNTY] hereby includes in its 2019 and 2020 Federal Legislative Program, support for H.Con.Res.52 and S.Con.Res.22, “Expressing the sense of Congress that there is a climate emergency which demands a massive-scale mobilization to halt, reverse, and address its consequences and causes,” as well as any legislation that would initiate a national emergency-speed mobilization to reverse global warming and the ecological crisis, as described in the text of this Resolution;

BE IT FURTHER RESOLVED, [CITY/COUNTY] calls on the State of _____, the United States Congress, the President of the United States, and all governments and people worldwide to declare a climate emergency, initiate a Climate Mobilization to reverse global warming and the ecological crisis, and provide maximum protection for all people and species of the world; and,

BE IT FURTHER RESOLVED, in furtherance of this resolution, the [CITY/COUNTY] shall submit a certified copy of this resolution to [FEDERAL, STATE, REGIONAL, COUNTY ELECTED OFFICIALS, RELEVANT AGENCIES] and request that all relevant support and assistance in effectuating this resolution be provided.



Commission Agenda Item

Originator Public Works	Item Environmental Justice & Racial Equity Work
Agenda Section ORGANIZATIONAL BUSINESS	Date June 16, 2020

Requested Action:

No formal action requested, for informational purposes only.

Description:

Commissioner Zeng will share her proposed summer research project. Sustainability Coordinator Struss will provide updates on racial equity training next steps.



Commission Agenda Item

Originator Public Works	Item Air Sealing and Insulation Pilot
Agenda Section ORGANIZATIONAL BUSINESS	Date June 16, 2020

Requested Action:

No formal action requested, for informational purposes only.

Description:

Sustainability Coordinator Struss will provide an update about an air sealing and insulation pilot proposal.



Commission Agenda Item

Originator Public Works	Item GreenStep Cities Update
Agenda Section STRATEGIC ITEMS	Date June 16, 2020

Requested Action:

No formal action required, for informational purposes only.

Description:

Sustainability Coordinator Struss provides a MN GreenStep Cities update.

Attachments:

[Step 4 Announcement Email](#)

Struss, Emma

From: Mroz-Risse, Kristin (EQB) <kristin.mroz-risse@state.mn.us>
Sent: Wednesday, June 3, 2020 12:04 PM
To: Struss, Emma
Subject: GreenStep Step 4!
Attachments: City Operations 2020 Report.xlsx

Hello Emma!

Thank you for submitting the GreenStep Step 4 metrics. I had the opportunity to review the metrics today and am happy to report that Bloomington will receive Step 4 this year! Kudos to all of the fast advancement the city has accomplished! The LMC annual conference was cancelled so we are figuring out how to best get the blocks out to cities and will follow up about that.

I had a few follow up comments to clarify some of the data. I updated the numbers into the spreadsheet so you will see them as “previous year” numbers next year.

- 9.1 and 9.2 –Stormwater scores
 - Bloomington has the highest reported scores out of all the Step 4/5 cities that I am reviewing. Toot your horn!
- 17.5 – City operations GHG assessment
 - Using the CO2e numbers provided, I added this calculation – 35,586.92. Attached.
- Great reporting – I really don’t have any clarifying questions so thank you for providing comments and doing calculations correctly 😊

All the best,

Kristin Mroz

Local Government Coordinator

Minnesota Environmental Quality Board

520 Lafayette Road

St. Paul, MN, 55155

O: 651-757-2793

eqb.state.mn.us



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Commission Agenda Item

Originator Public Works	Item Energy Disclosure Policy Work
Agenda Section STRATEGIC ITEMS	Date June 16, 2020

Requested Action:

No formal action requested, for informational purposes only.

Description:

Vice Chair Strommen will provide updates on time of sale energy disclosure and commercial benchmarking work.

Attachments:

[Hennepin County Energy Benchmarking Program Flyer](#)
[Hennepin County Efficient Buildings Collaborative Workshop 1 Slides](#)
[Hennepin County Efficient Buildings Collaborative Workshop 2 Slides](#)
[Time of Sale Energy Disclosure Slides](#)

Hennepin County Building Energy Benchmarking Collaborative

About

The Hennepin County Regional Benchmarking Collaborative is a tool to help cities enact successful energy benchmarking policies. Member cities develop an ordinance requiring disclosure of certain buildings' energy use. Examples include large public, commercial, or multifamily residential buildings.

Benchmarking allows building owners to compare their property's energy and water use to that of similar facilities or against their own past performance. Building owners enter their utility information into ENERGY STAR Portfolio Manager, the Environmental Protection Agency's free online software. This program analyzes the building's actual energy and water use and building characteristics to provide whole-building metrics that show how the building stacks up against national averages and indicate the building's potential for greater efficiency.

Lower Your City's Emissions

Building energy use comprises about 40 percent of most cities' total greenhouse gas emissions. As such a large component of citywide energy use, buildings are an excellent target for efficiency measures. Benchmarking helps building owners evaluate building energy performance and identify conservation opportunities. Disclosing energy use information to the public creates demand for energy efficiency in the market, which incentivizes action to increase efficiency.

Cost Effective

The collaborative makes benchmarking cost effective through streamlining processes and resource sharing, all while catering to each individual city's needs. Hennepin County has partnered with Overlay Consulting to provide member cities with a variety of services to help develop and maintain successful benchmarking policies. Through membership in the collaborative, member cities avoid any startup costs associated with benchmarking and instead pay an annual fee based on their level of involvement and desired services.

Interested? Contact:

Hennepin County

Facility Services

[Leah Hiniker](#)

Energy Manager

Office: 612-543-1219

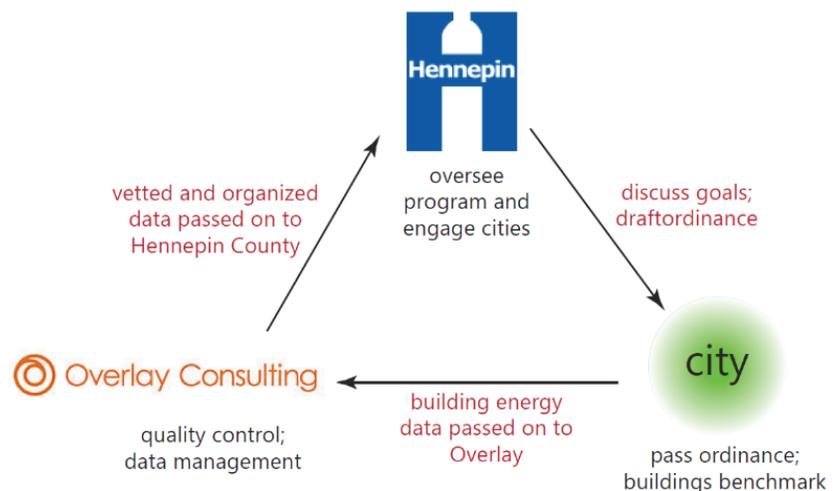
leah.hiniker@hennepin.us

[Carl-Lars Engen](#)

Minnesota GreenCorps Member

Office: 612-267-4153

Carl-Lars.Engen@hennepin.us



Hennepin County Regional Benchmarking Collaborative: City Annual Costs by Scope Item

Hennepin County has partnered with Overlay Consulting to provide flexible levels of participation in the collaborative. Depending on a city's benchmarking ordinance adoption timeframe, Scope 1 may be the only scope item executed the first year with additional scopes added in the 2nd year and beyond.

Overlay Services

Scope 1

- Help obtain, enter data.
- Recommend which buildings to include.
- Supporting documentation for policy approval through city council.
- Enter building data into system.
- Assure building and contact info is accurate and tied to the correct tracking ID.

Scope 2

- Facilitating easy, accurate compliance by building owners.
- Provide custom assistance to owners if needed.
- Provide training, training materials, and tools.
- Technical assistance website hosted by Hennepin County or the city.
- Content development and layout design support.
- Assist cities in providing outreach to building

Scope 3

- Telephone and email help line.
- Analyze data to ensure accurate compliance.
- Assist in the review and assessment of submissions from building owners/managers.
- Emails to non-complying building owners.

Scope 4

- Customized feedback on energy use to cities and building owners/managers.
- Energy report card to the building owners.
- Provide city-specific reports that show overall building compliance.

Scope 5

- Assist cities with communication efforts and promotion of success stories and advance communication of benchmarking results to tenants and other audiences.
- Connect cities and building owners with energy conservation resources.

Price Index

Scope 1	1st Year Fee	Ongoing Annual Fee
0-50 Buildings	\$8,000	N/A
51-150 Buildings	\$9,000	N/A
151-300 Buildings	\$10,000	N/A
301-500 Buildings	\$11,000	N/A
501-750 Buildings	\$12,500	N/A
Single Building	\$50	N/A

Scope 2	1st Year Fee	Ongoing Annual Fee
0-50 Buildings	\$6,667	\$5,000
51-150 Buildings	\$10,000	\$5,500
151-300 Buildings	\$15,000	\$10,000
301-500 Buildings	\$21,667	\$15,500
501-750 Buildings	\$30,000	\$20,500
Single Building	\$50	\$50

Scope 3	1st Year Fee	Ongoing Annual Fee
0-50 Buildings	\$5,833	\$5,833
51-150 Buildings	\$7,250	\$7,250
151-300 Buildings	\$9,000	\$9,000
301-500 Buildings	\$10,833	\$10,833
501-750 Buildings	\$12,500	\$12,500
Single Building	\$20	\$20

Scope 4	1st Year Fee	Ongoing Annual Fee
0-50 Buildings	\$3,333	\$3,333
51-150 Buildings	\$4,750	\$4,750
151-300 Buildings	\$6,500	\$6,500
301-500 Buildings	\$8,333	\$8,333
501-750 Buildings	\$10,000	\$10,000
Single Building	\$15	\$15

Scope 5	1st Year Fee	Ongoing Annual Fee
0-50 Buildings	\$3,833	\$3,833
51-150 Buildings	\$5,250	\$5,250
151-300 Buildings	\$7,000	\$7,000
301-500 Buildings	\$8,833	\$8,833
501-750 Buildings	\$10,500	\$10,500
Single Building	\$15	\$15



Efficient Buildings Collaborative: Bloomington Workshop #1

Planning Process
May 6, 2020

Katie Jones
CEE
kjones@mncee.org

Abby Finis
Great Plains Institute
afinis@gpisd.net

Supported by Hennepin County



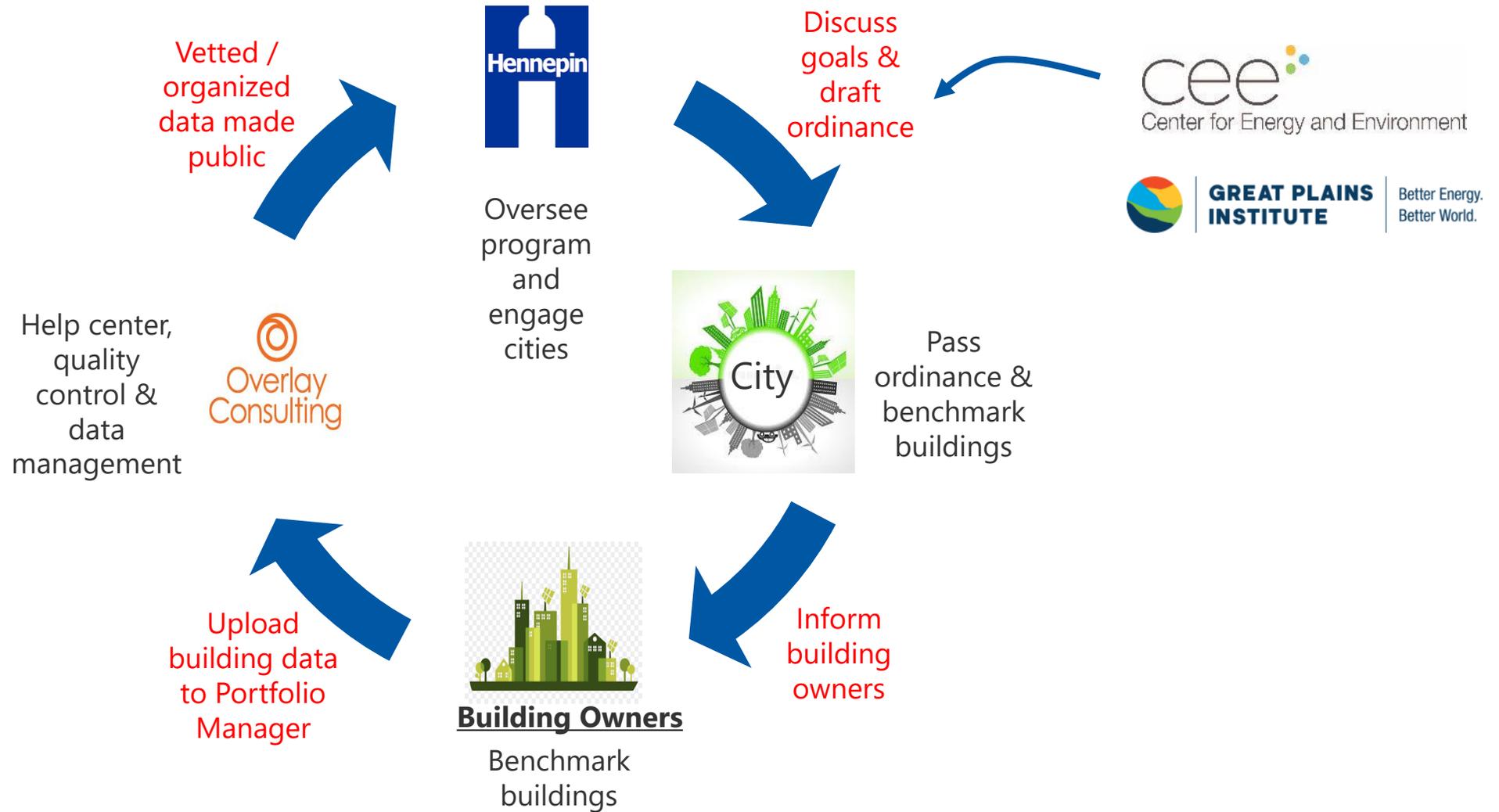
AGENDA

- Welcome and Introductions
- Collaborative Background
- What is Benchmarking?
- Policy Framework: Introduction and Initial Scoping
- Timeline and Homework

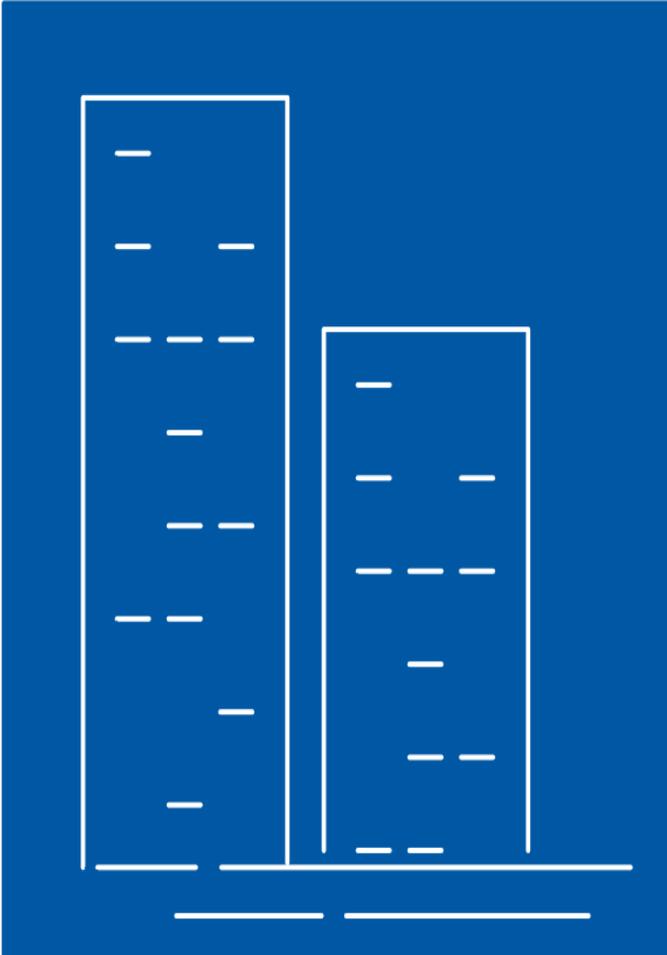
ICEBREAKER

- Name
- Role with the City of Bloomington
- Role on this initiative
- Something positive that has surprised you in the last month

Who is Involved?



Efficient Buildings Collaborative



- Standardized process
- Shared resources
- Tools for implementation
- Economically feasible
- Basic uniformity across cities benefits building owners

What's the Process?



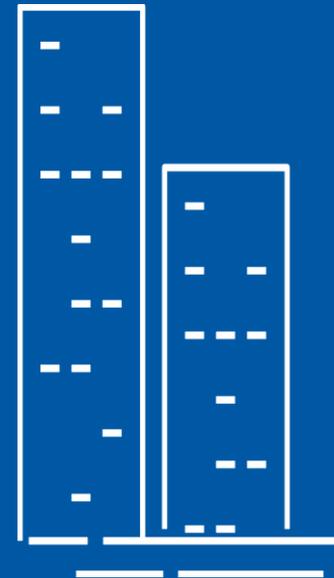
Step 1: Policy and Implementation Development



Three policy development workshops to create high-level plans for promoting a benchmarking policy in cities focusing on:

1. Policy framework development
2. Building stakeholder engagement
3. City operations needs

Through a cohort or at an individual city.



Step 2. Program Implementation

Overlay Consulting to provide:

- Building list development
- Training
- Submission processing including quality control
- Enforcement processing
- Reporting

City to oversee general program management



3. Market Transformation

EFFICIENT BUILDINGS COLLABORATIVE MAP

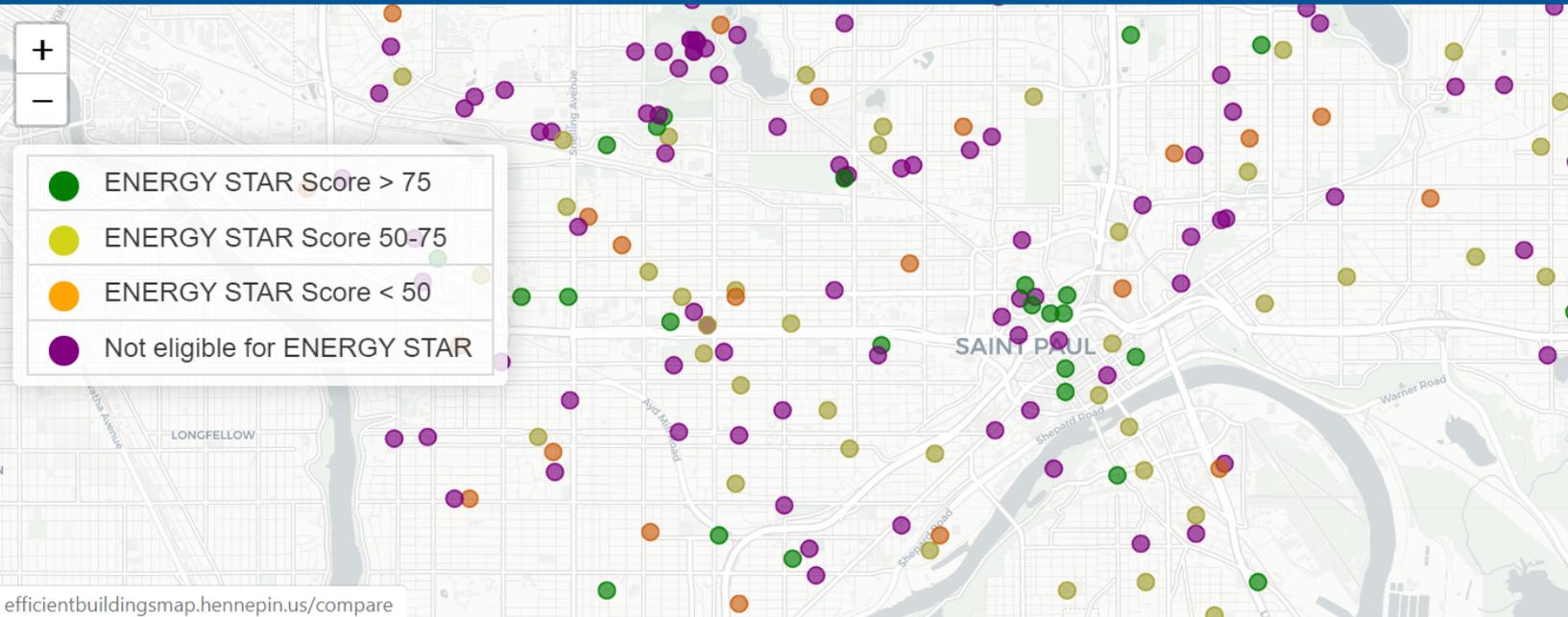
HENNEPIN COUNTY
MINNESOTA

Search for building by id, name, or address

Reset Map

Program Information

Type: All | Building Size: 0+ to 2000000 | ENERGY STAR: 0+ to 100 | EUI: 0+ to 2000+ | City: Saint Paul | Year Built: 1850 to 2018 | Compare Buildings



efficientbuildingsmap.hennepin.us/compare

Introduction

The Efficient Buildings Collaborative empowers the County, cities, as well as building owners, managers, and tenants to better understand and manage energy efficiency in buildings through energy benchmarking. Energy benchmarking is the process of measuring and monitoring the energy performance of a building. It allows comparison of a building's energy efficiency to past performance and to that of similar buildings.

This map displays building benchmarking data submitted through ENERGY STAR Portfolio



Program Benefits

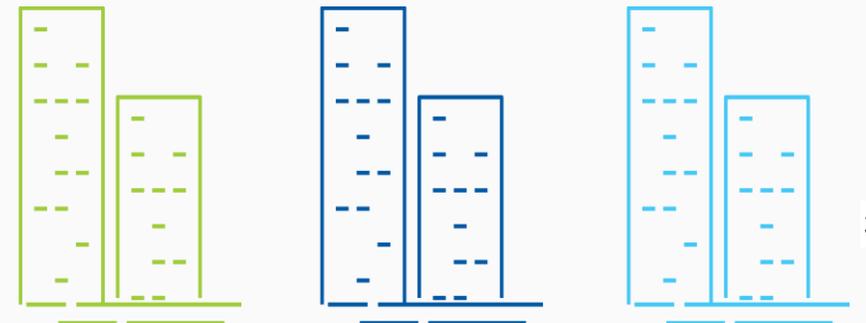
- Advice and guidance on policy development and implementation
- Technical assistance for building owners
- Quality assurance for building energy benchmarking data
- Shared, statewide GIS mapping tool to display benchmarking data



Group Question

What experience do you have in policy development and/or stakeholder engagement?

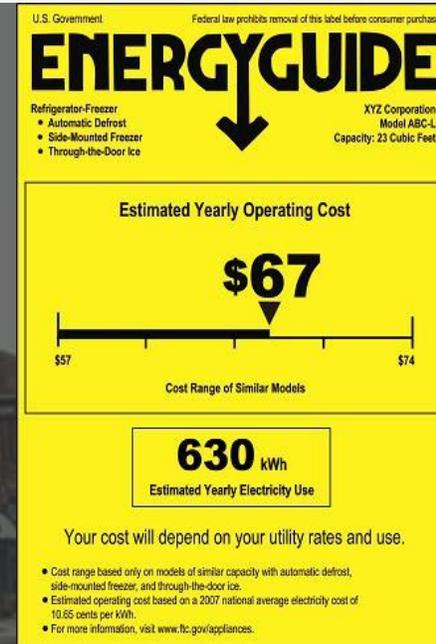
What is benchmarking?



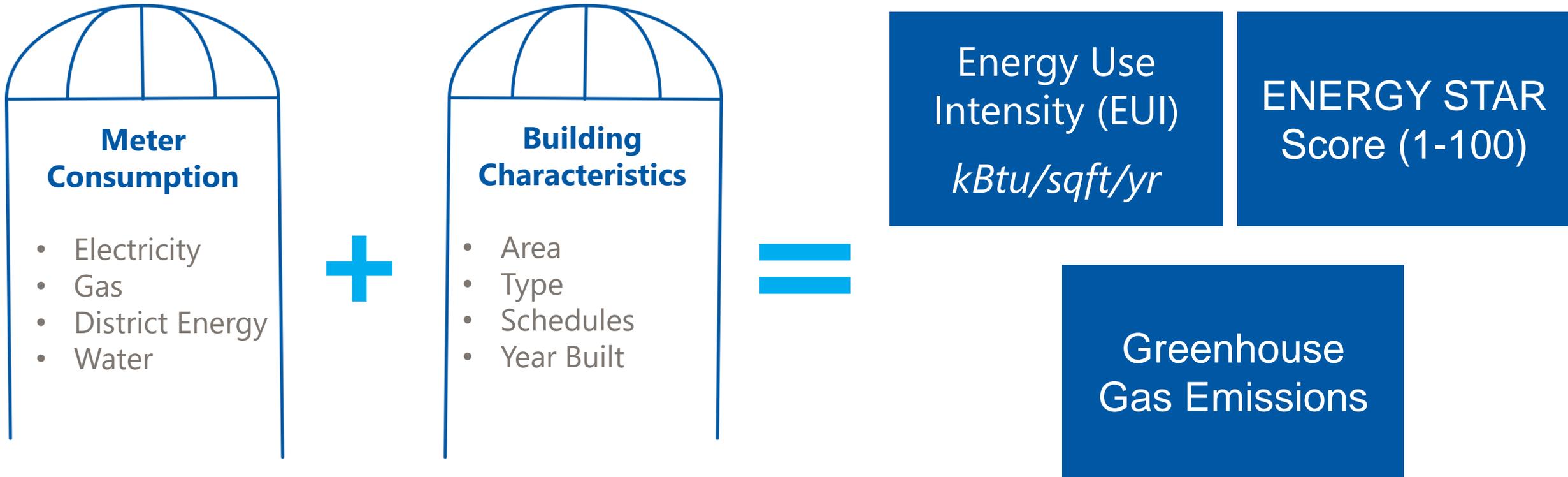
What is Benchmarking?

- You can't manage what you don't measure
- We measure many aspects of our daily lives
- There's great opportunity to save energy, but we can only know through better management

Nutrition Facts		
Serving Size 1 cup (228g) Servings per Container 2		
Amount Per Serving		
Calories 280	Calories from Fat 120	
% Daily Value*		
Total Fat 13g	20%	
Saturated Fat 5g	25%	
Trans Fat 2g		
Cholesterol 2mg	10%	
Sodium 660mg	28%	
Total Carbohydrate 31g	10%	
Dietary Fiber 3g	0%	
Sugars 5g		
Protein 5g		
Vitamin A 4%	Vitamin C 2%	
Calcium 15%	Iron 4%	
*Percent Daily Values are based on a 2,000-calorie diet. Your daily values may be higher or lower depending on your calorie needs.		
Calories:		
	2,000	2,500
Total Fat	Less than 65g	80g
Sat. Fat	Less than 20g	25g
Cholesterol	Less than 300mg	300mg
Sodium	Less than 2,400mg	2,400mg
Total Carbohydrate	300g	375g
Fiber	25g	30g
Calories per gram:		
Fat 9	Carbohydrate 4	Protein 4



What is Benchmarking?



What are the benefits?

- Help building owners understand building performance and prioritize improvements
- Facilitates building peer comparison
- Creates demand for energy efficiency in the property market
- Equips the City to be a better resource to building owners
- Meets GreenStep City Best Practice Action 2.3

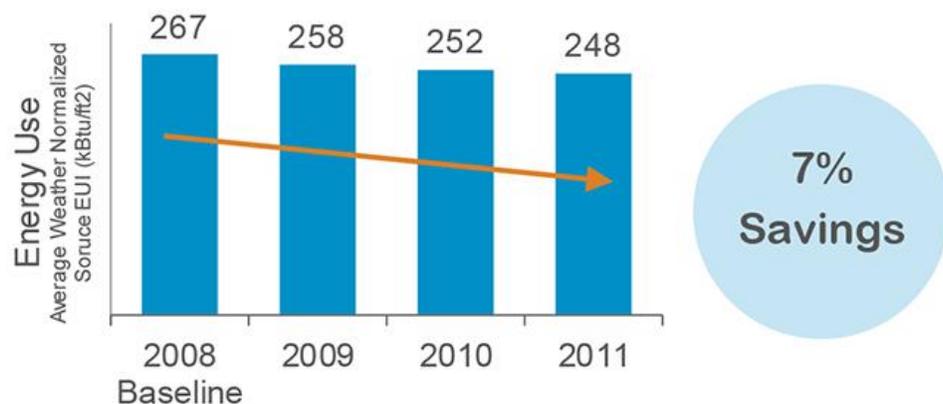


Colwell Building earning
ENERGY STAR certification

Benchmarking Benefits – Energy Savings

2012 ENERGY STAR Study

Energy Savings in Portfolio Manager



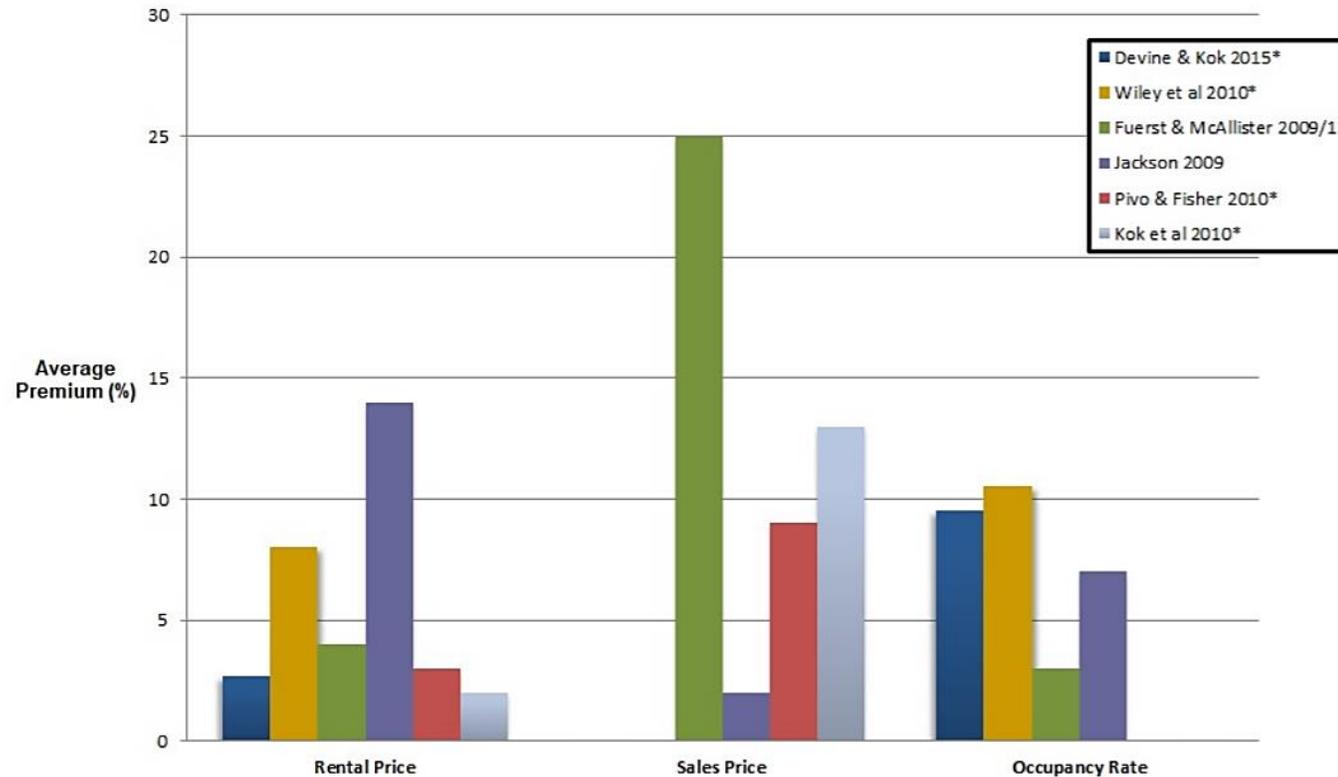
7% average energy savings and 6 point ENERGY STAR score increase among Portfolio Manager buildings

Cities with Benchmarking Policies

City	Energy Savings	Annual Energy Savings
Chicago	2.9% (2014-2017)	1%
Denver	4.5% (2016-2017)	4.5%
Minneapolis	5.5% (2015-2018)	1.8%
Washington, D.C. ³	3% (2012-2013)	3%
Seattle ⁴	3.7% (2014-2016)	1.9%

Benchmarking Benefits

Added Value of ENERGY STAR-Labeled Commercial Buildings in the U.S. Market



©Institute for Market Transformation, 2016
* These studies only tracked two of the listed indicators.
All studies controlled for multiple factors, including building size and location.
For more information, contact imbweb@imt.org



Benchmarking Benefits

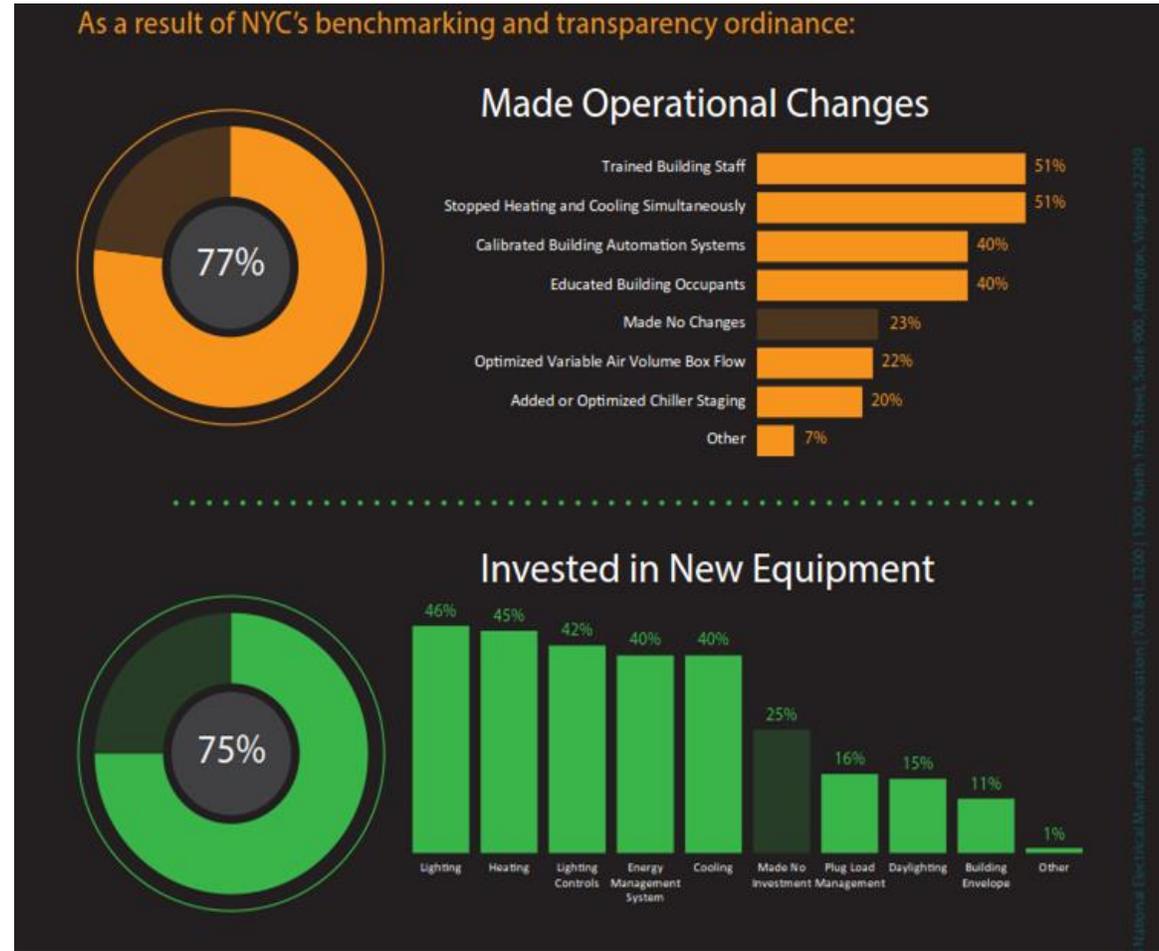


Benchmarking and Transparency Results in Efficiency Investments

A majority of buildings are making operational changes and investing in new energy-efficient equipment in response to NYC's benchmarking and transparency ordinance, according to a survey of facility managers in New York City.

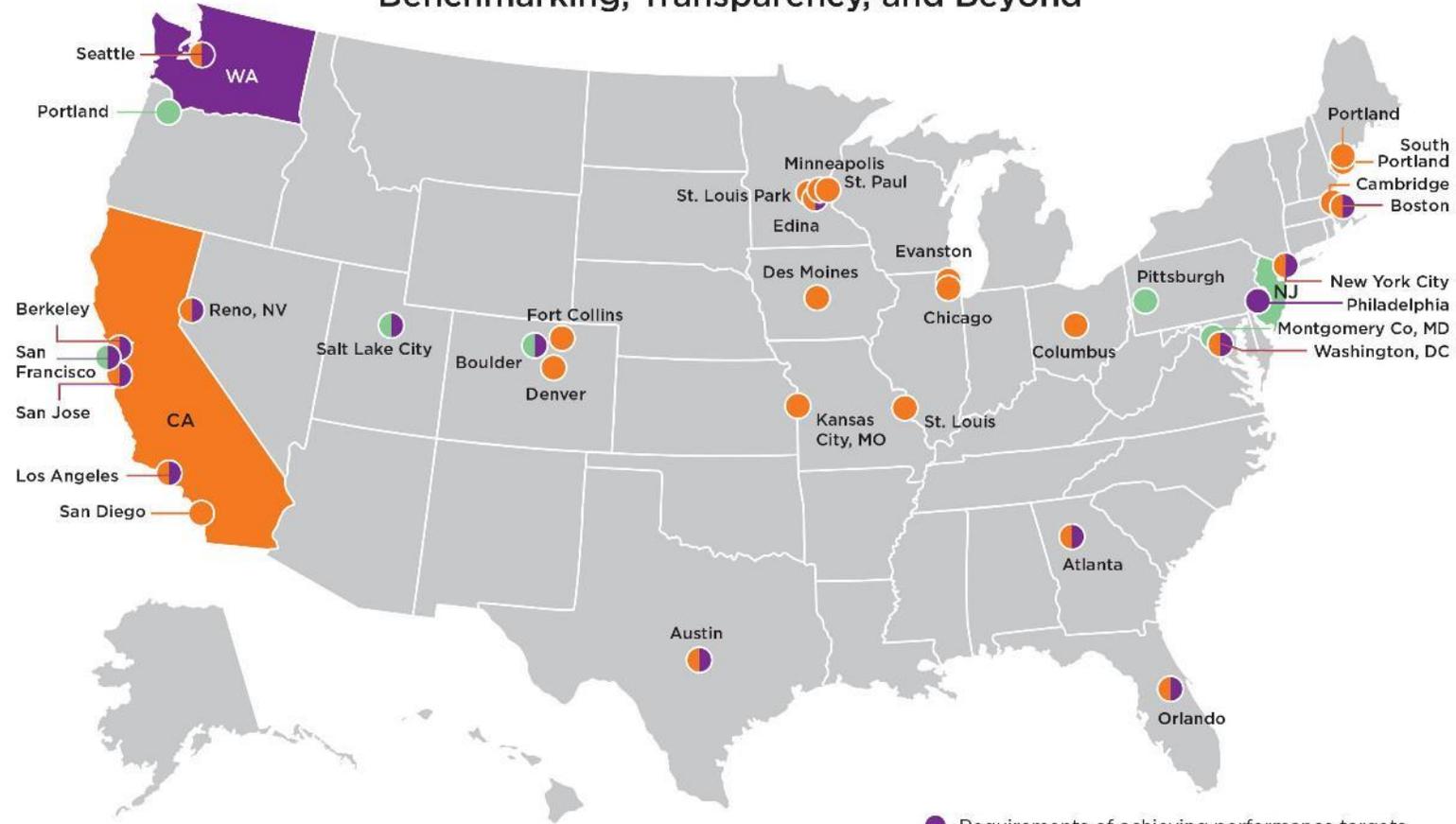
What Are Benchmarking and Transparency Policies?

Building energy benchmarking and transparency ordinances require large buildings to measure and disclose their energy performance on an annual basis.



Who has policies?

U.S. City, County, and State Policies for Existing Buildings: Benchmarking, Transparency, and Beyond



- Requirements of achieving performance targets or completing additional actions
- Benchmarking policy for public, commercial, and multifamily buildings adopted
- Benchmarking policy for public and commercial buildings adopted



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What does it take to benchmark a building?

- Year 1: 4-10 hours for initial set-up (depends on data organization status to gather)
- Year 2+: Couple hours/year

The screenshot displays the ENERGY STAR Portfolio Manager interface. At the top, it features the ENERGY STAR logo and the title 'Portfolio Manager'. Navigation tabs include 'MyPortfolio', 'Sharing', 'Planning', 'Reporting', and 'Recognition'. The main content area is divided into several sections:

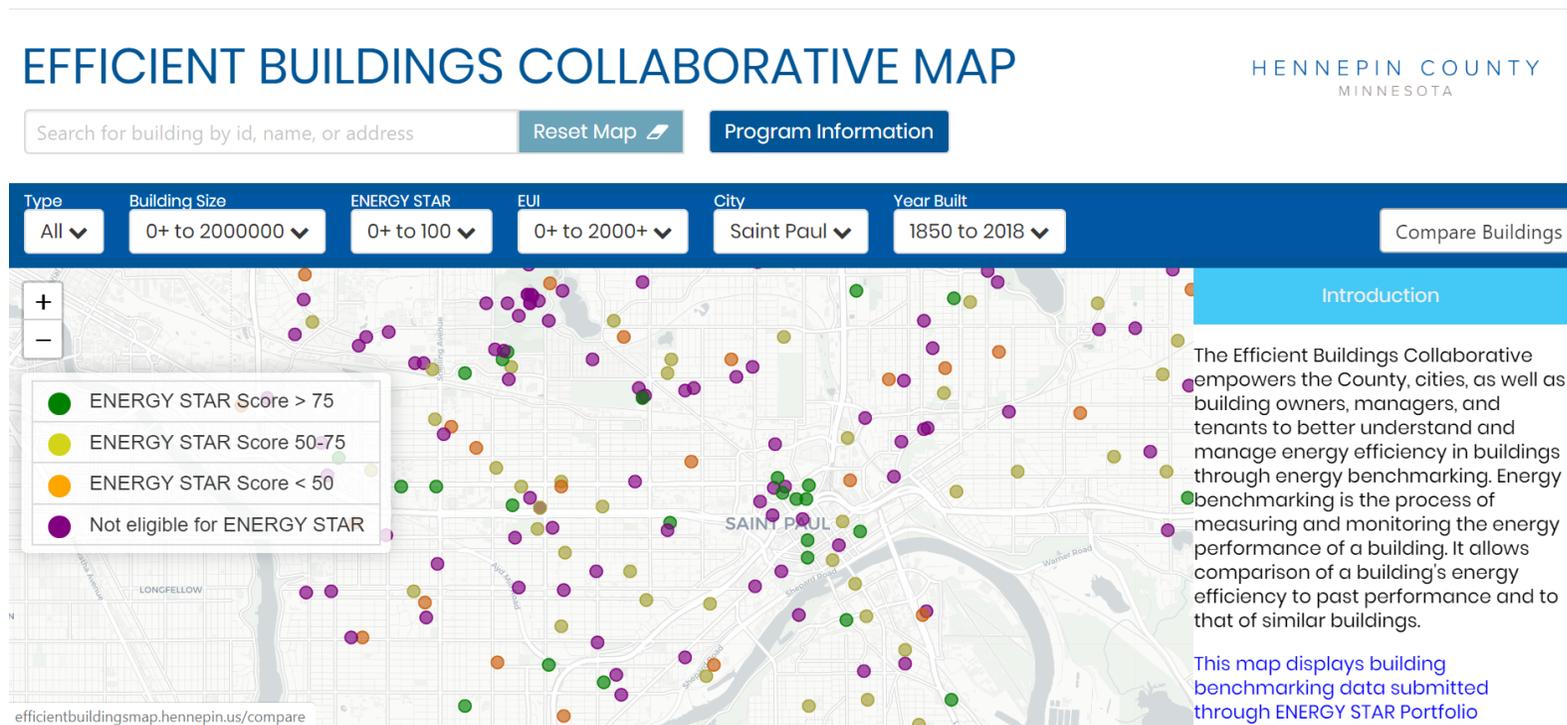
- Properties (5):** A section with an 'Add a Property' button.
- Notifications (0):** A section stating 'You have no new notifications.'
- Source EUI Trend:** A line graph showing Source EUI from 2002 to 2012. The y-axis ranges from 0 to 1,000. The data points are approximately: 2002: 450, 2003: 450, 2004: 450, 2005: 450, 2006: 450, 2007: 450, 2008: 850, 2009: 150, 2010: 400, 2011: 150, 2012: 250.
- Total GHG Emissions Trend:** A line graph showing Total GHG Emissions from 2002 to 2012. The y-axis ranges from 0k to 40k. The data points are approximately: 2002: 15k, 2003: 15k, 2004: 15k, 2005: 15k, 2006: 15k, 2007: 15k, 2008: 35k, 2009: 5k, 2010: 15k, 2011: 5k, 2012: 5k.
- My Properties (5):** A table listing properties with a search bar and a 'Download Entire Portfolio' button. The table has columns for 'Name' and 'Action'.

Name	Action
Federal Building	I want to...
Higher Campus	I want to...
Hill Store	I want to...
Insurance Office	I want to...
Sunnyside Elementary	I want to...

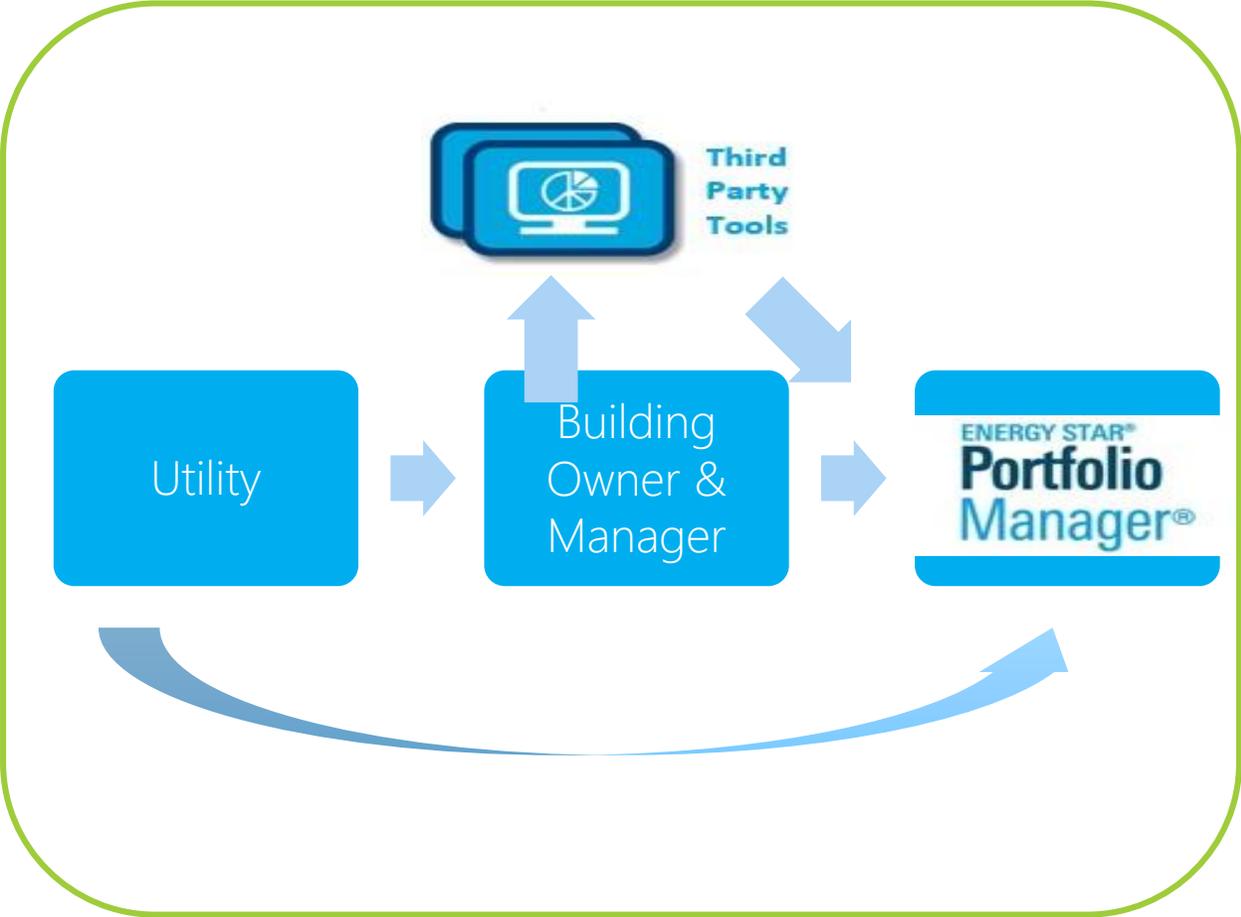
At the bottom, there is a tip: 'If you're a pro, you may want to [upload and/or update multiple properties](#) at once using an Excel spreadsheet. This can be done to create new properties, add use details, create meters and add meter consumption data.'

Transparency

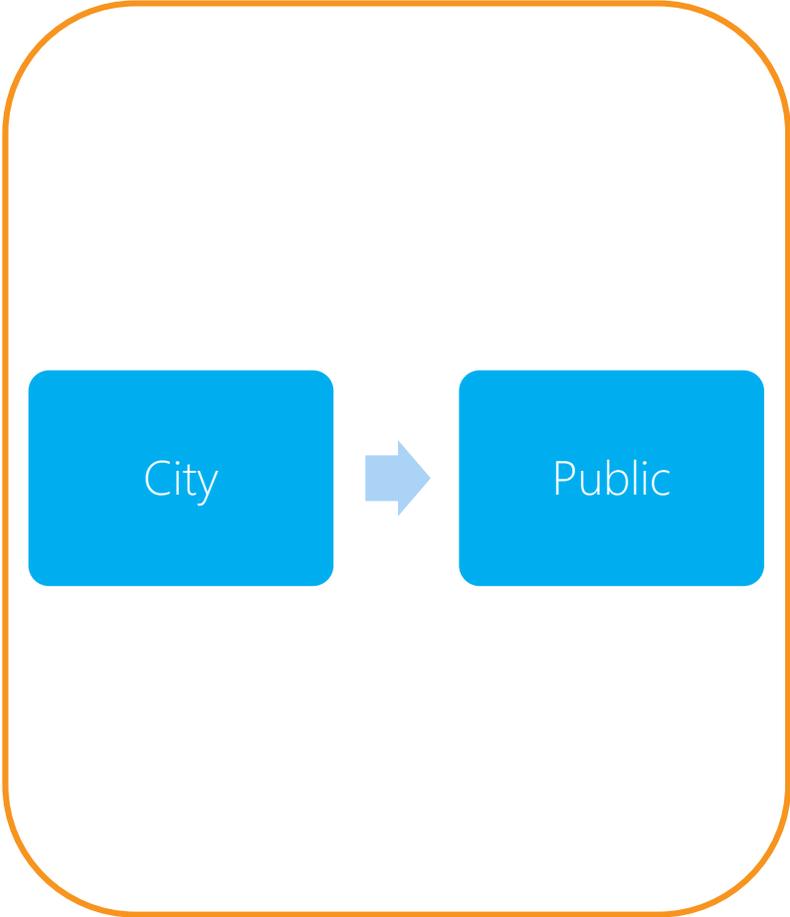
- Buildings disclose benchmarking data to the City via Portfolio Manager
- City discloses the data publicly = market transparency



Benchmarking



Transparency



5 Minute Break

Policy Framework

Workshop 1: Planning for a Benchmarking Ordinance

Develop a policy framework

- Building types
- Size threshold
- Phase-in
- Timing
- Data & metrics collection
- Results publication
- Enforcement mechanism
- Verification
- Exclusions
- Audits/RCx consideration

Building Type

Building Type	Dots
Municipal	4 orange dots
Municipal + Commercial	1 green dot
Municipal + Multifamily	
Municipal + Commercial + Multifamily	5 green dots
(All) Municipal + Commercial + multifamily + Industrial	2 green dots

What Buildings are Included:

Large private commercial



Large private multifamily



Large public



No industrial



Covered building type options

In

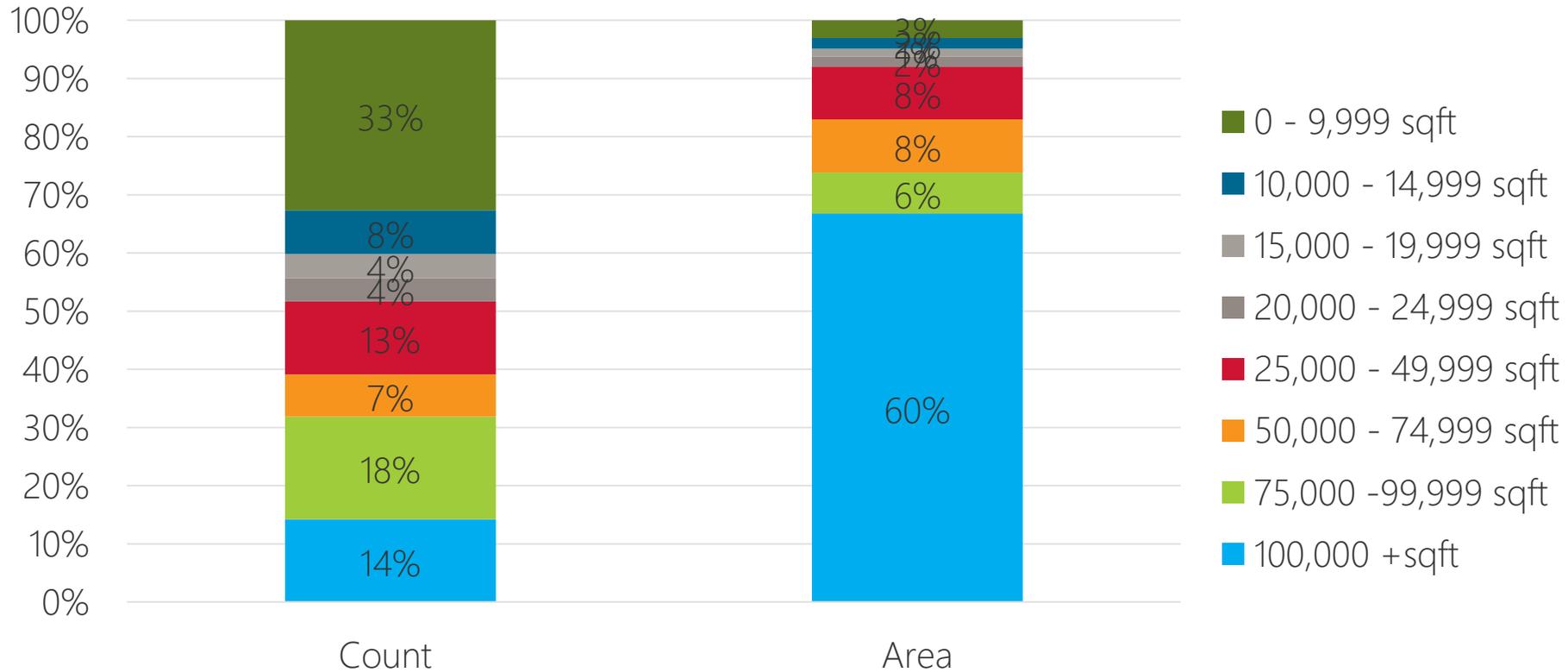
- Condos
- Storage facilities
- Government buildings
- Office buildings
- School buildings
- Hospitals
- Movie theaters
- Hotels

Out

- Breweries
- Foundries
- Asphalt facilities
- Other industrial processing facilities

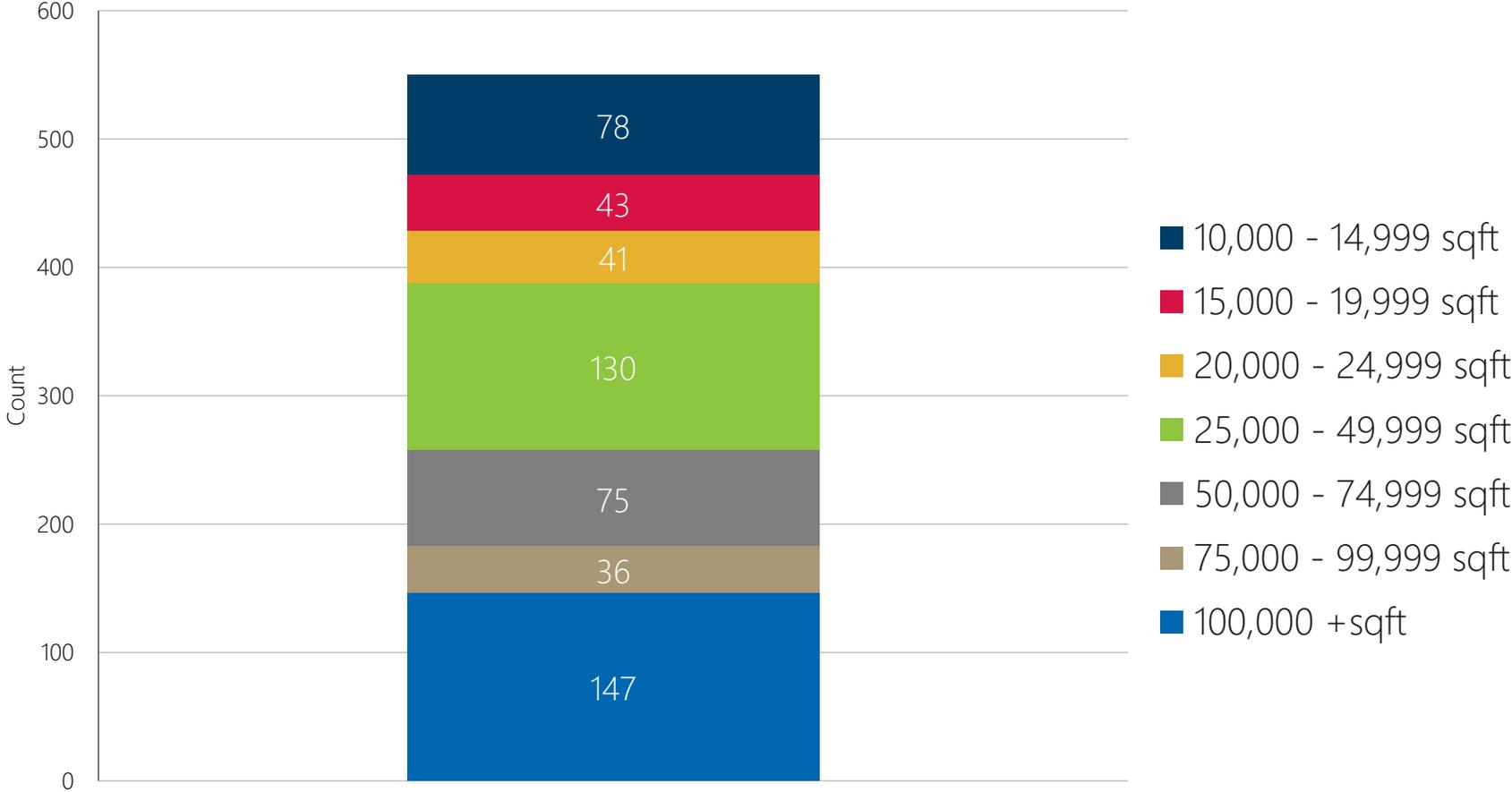
Building Size Breakdown without Condos & Townhomes

Count vs Area for Government, Commercial, and Multifamily Buildings Greater than 10,000 Sq Ft



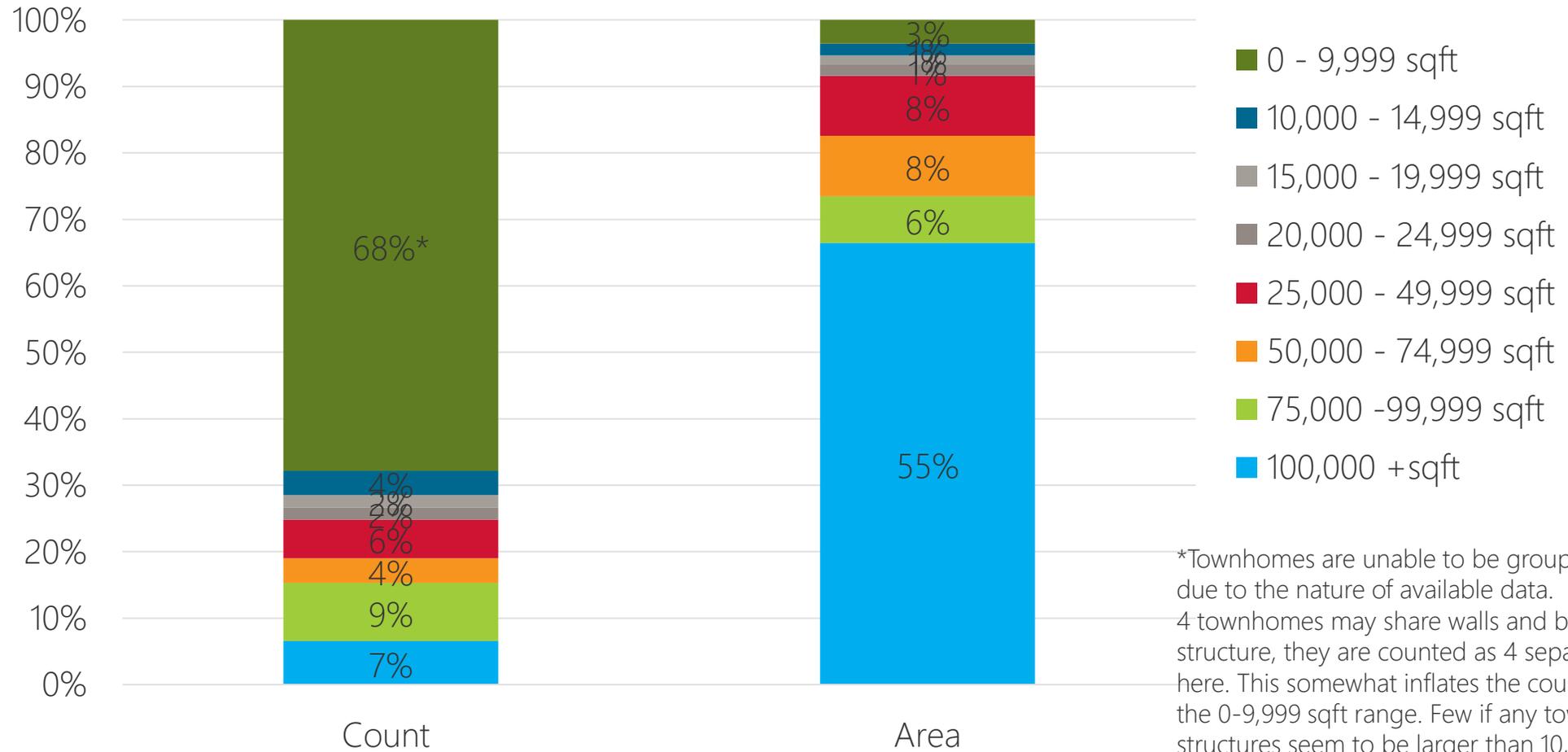
Building Size Breakdown without Condos/Townhomes

Government, Commercial, and Multifamily Buildings Greater than 10,000 Sq Ft



Building Size Breakdown with Condos & Townhomes

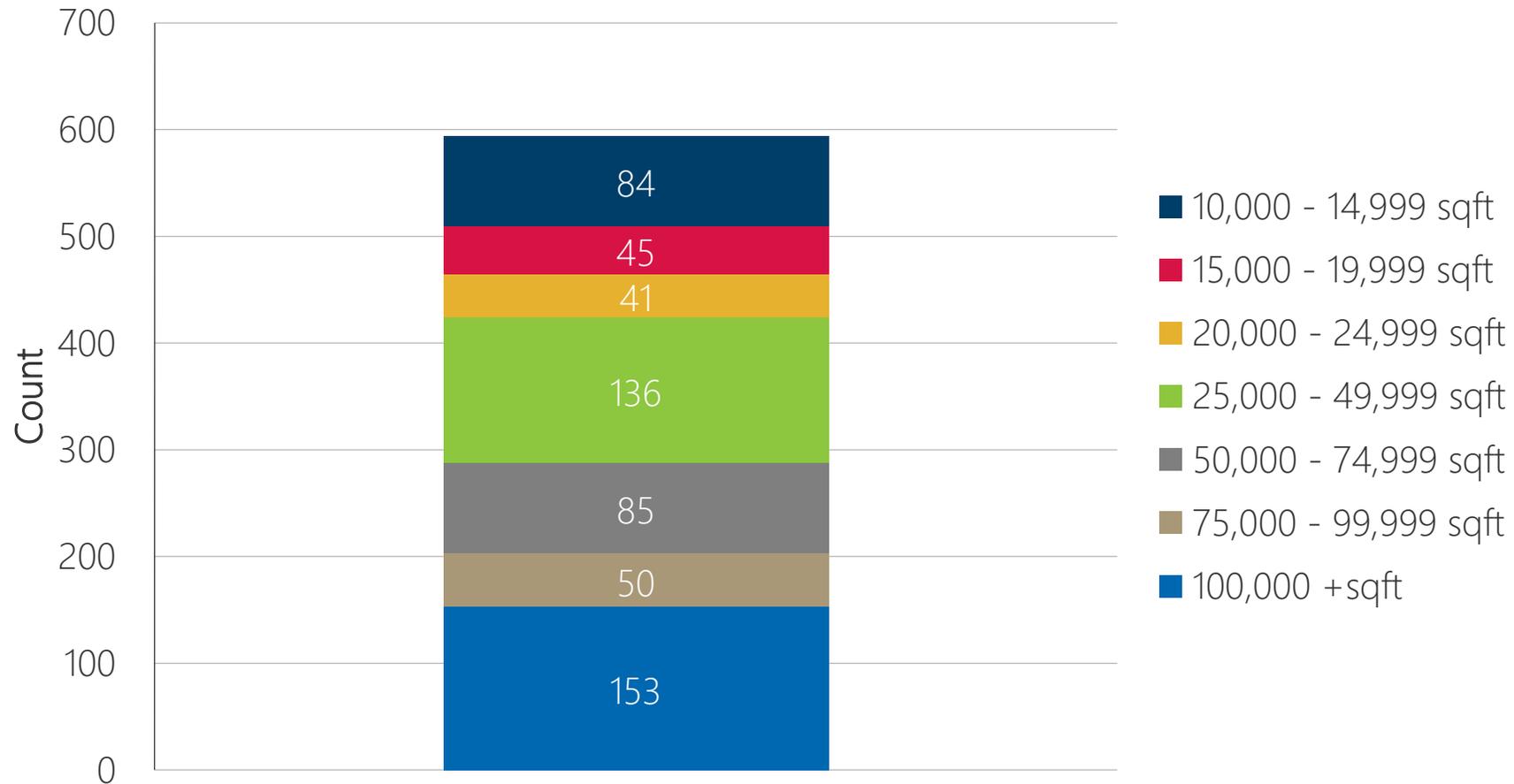
Count vs Area for Government, Commercial, Multifamily, Condo, and Townhome Buildings



*Townhomes are unable to be grouped by building due to the nature of available data. Example, though 4 townhomes may share walls and be part of the same structure, they are counted as 4 separate buildings here. This somewhat inflates the count of buildings in the 0-9,999 sqft range. Few if any townhome building structures seem to be larger than 10,000 sqft.

Building Size Breakdown with Condos & Townhomes

Count of Government, Commercial, Multifamily, Condo, and Townhome Buildings Greater than 10,000 Sq Ft



Building Size Breakdown with Condos & Townhomes

Size Threshold	Total Building Count	Total Area Covered
100,000+	153	64%
75000+	203	69%
50000+	288	78%
25,000+	424	86%
20,000+	465	87%
15,000+	510	88%
10,000+	594	90%

Policy Comparison Context

City	Building Type	Building Threshold	Building Count
Edina	P, C, MF	25,000	260
Minneapolis	P, C, MF	50,000	900
Saint Louis Park	P, C, MF	25,000	260
Saint Paul	P, C, MF	50,000	700



Cohorts and Phase-in: Example

Year 1

Year 2

Year 3

Year 4

Year 5

Year 6

Year 7

Year 8

City disclosure and transparency

Commercial and Multifamily 100,000 sq. ft. + disclosure

Commercial and Multifamily 100,000 sq. ft. + disclosure and transparency

Commercial and Multifamily 50,000 sq. ft. + disclosure

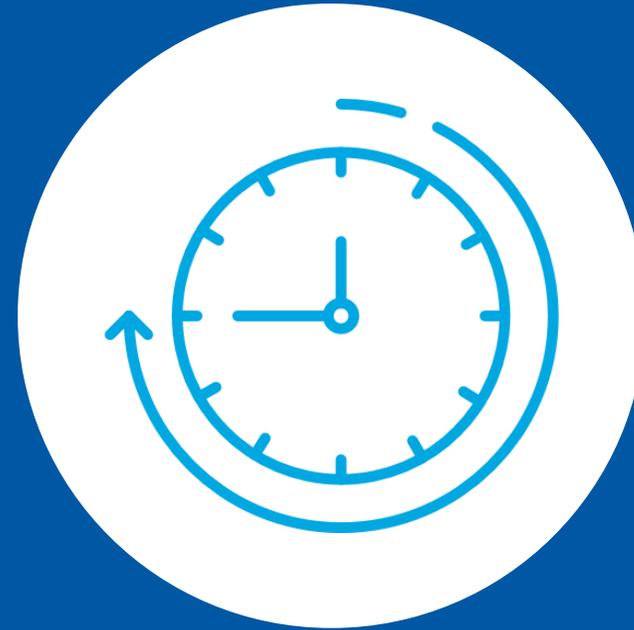
Commercial and Multifamily 50,000 sq. ft. + disclosure and transparency

Commercial and Multifamily 100,000 sq. ft. + advanced policy

Commercial and Multifamily 50,000 sq. ft. + advanced policy

Timing

- Goal: regional consistency
- Timeframe of data collected: annual
- Due date: June 1 each year



Data and Metrics

Data types:



Metrics for transparency:

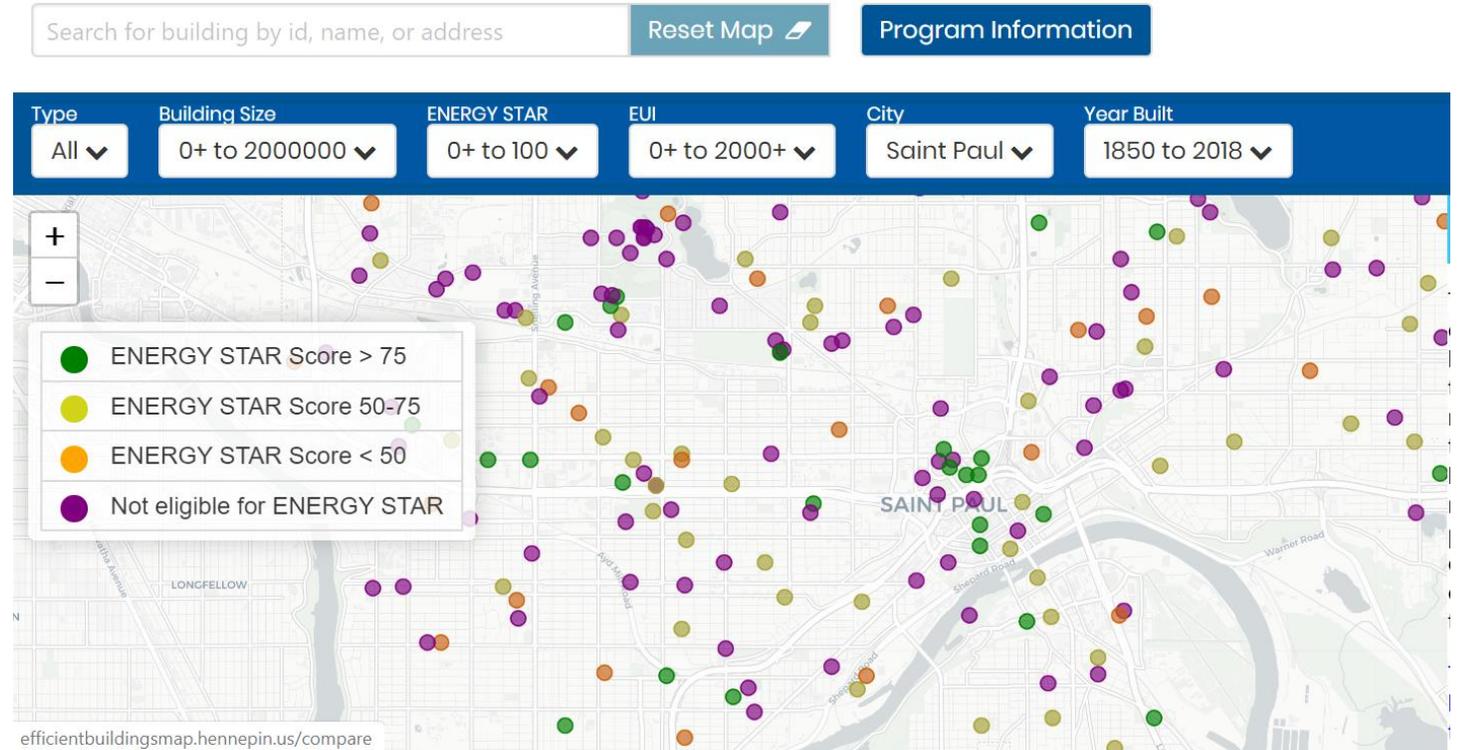
- Property name
- Address
- IDs
- Site energy use intensity (EUI)
- Weather-normalized site EUI
- Water use intensity
- ENERGY STAR Score
- Property Type
- Year Built
- Annual energy and water use by source
- Greenhouse gas emissions
- Property-supplied notes

Transparency

Individual data published annually in table/map format

Data published annually in full report format

EFFICIENT BUILDINGS COLLABORATIVE MAP



Verification Process

- All ENERGY STAR Portfolio Manager data checks are completed (recommended)
- Small number of buildings reviewed on-site for data quality (recommended)
- Benchmarking by qualified benchmarker
- Data verification by certified professional every so many years



Exclusions

Buildings that:

Have been occupied for less than 12 months in the reporting calendar year

Are under financial duress

Are less than 50% occupied



Advanced Policies

Studies

- Audits
- RCx

Timing

- Time of sale
- Time of lease/rent

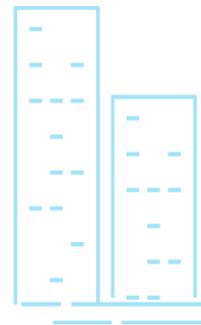
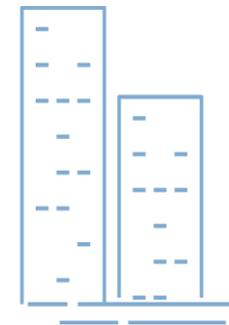
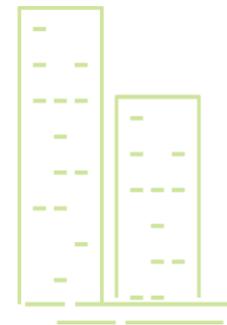
Actions

- Tune-ups
- Lighting upgrades
- Building improvements

Homework

Policy Framework

- Council process
- Building data





Thank you.

Katie Jones
CEE
kjones@mncee.org

Abby Finis
Great Plains Institute
afinis@gpisd.net

Supported by Hennepin County





Efficient Buildings Collaborative: Bloomington Workshop #2

Program Operations

June 2, 2020

Katie Jones

CEE

kjones@mncee.org

Supported by Hennepin County



ICE BREAKER



AGENDA

- Review 1st Workshop
- Operational Needs
- Overlay Scopes
- Timeline and Moving Forward

Workshop 1: Planning for a Benchmarking Ordinance

Develop a policy framework

- Building types
- Size threshold
- Phase-in
- Timing
- Data & metrics collection
- Results publication
- Enforcement mechanism
- Verification
- Exclusions
- Audits/RCx consideration

Building Type

Building Type	Dots
Municipal	4 orange dots
Municipal + Commercial	1 green dot
Municipal + Multifamily	
Municipal + Commercial + Multifamily	5 green dots
(All) Municipal + Commercial + multifamily + Industrial	2 green dots

Policy development timeline worksheet

Week	1	2	3	4
Month 1	City manager and city attorney review policy framework	Environment Commission: 2 nd Tues. at 6pm		Planning Commission: 4 th Wed. at 7pm
Month 2	City attorney review ordinance language		Council work session: 3 rd Mon. at 6pm	Ordinance language due the Wed. before 1 st reading at noon Agenda setting mtg on the Thurs. before Council mtg
Month 3	Council Meeting - Reading #1: 1 st Tues. at 1:30 pm		Council Meeting - Reading #2: 3 rd Tues. at 1:30pm	
Month 4	Council Meeting - Reading #3 – adoption: 1 st Tues. at 1:30pm			

By the end, you'll understand:

- The tasks for implantation
- The typical roles that can fulfill those tasks within the city
- Options for the city to outsource tasks
- What resources are required for a benchmarking policy

City Alone

Typically X% FTE

All in = \$X

City + Overlay's Services

X% FTE + \$X for Overlay

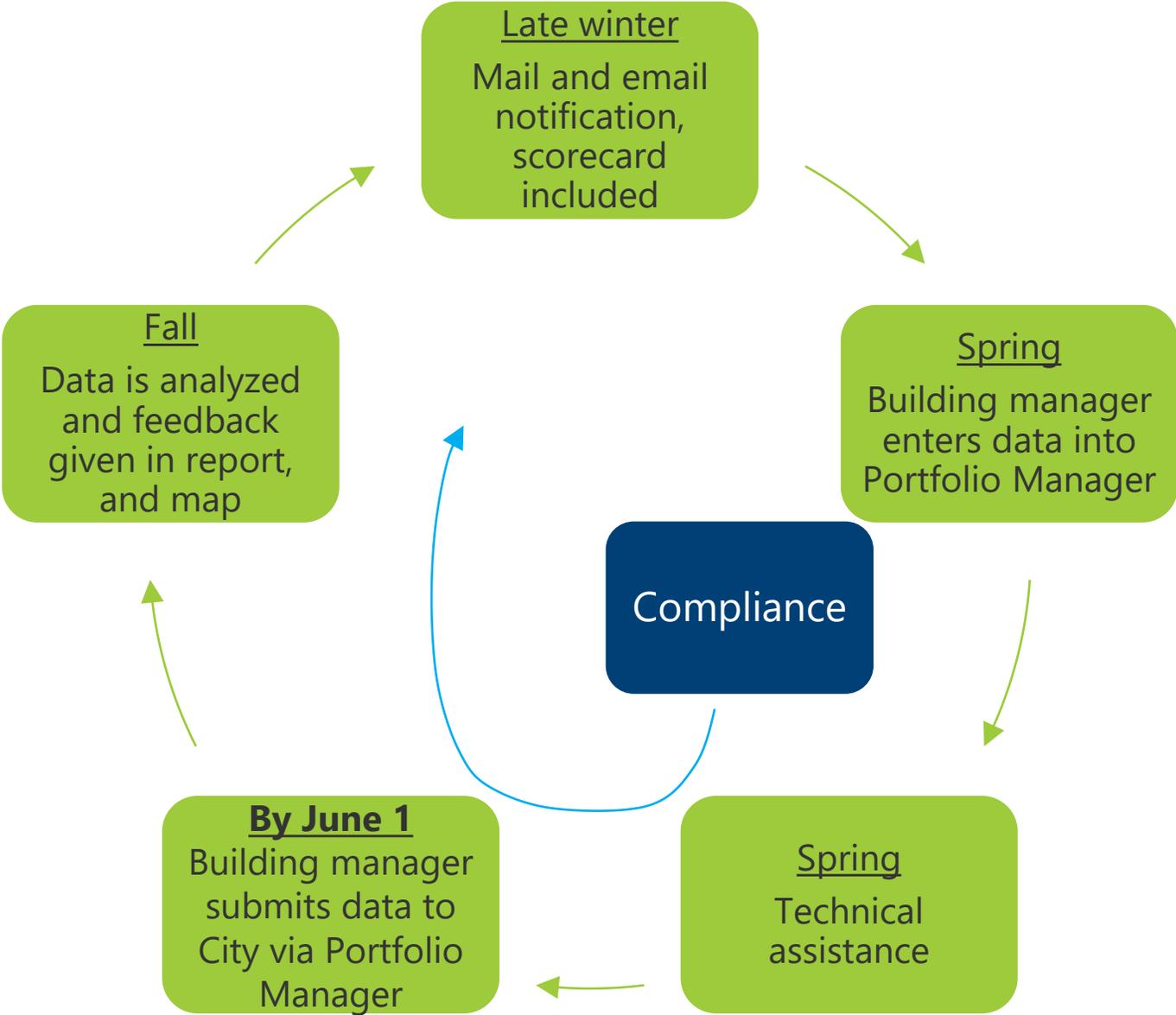
All in = \$X

Operational Needs

Annual Process

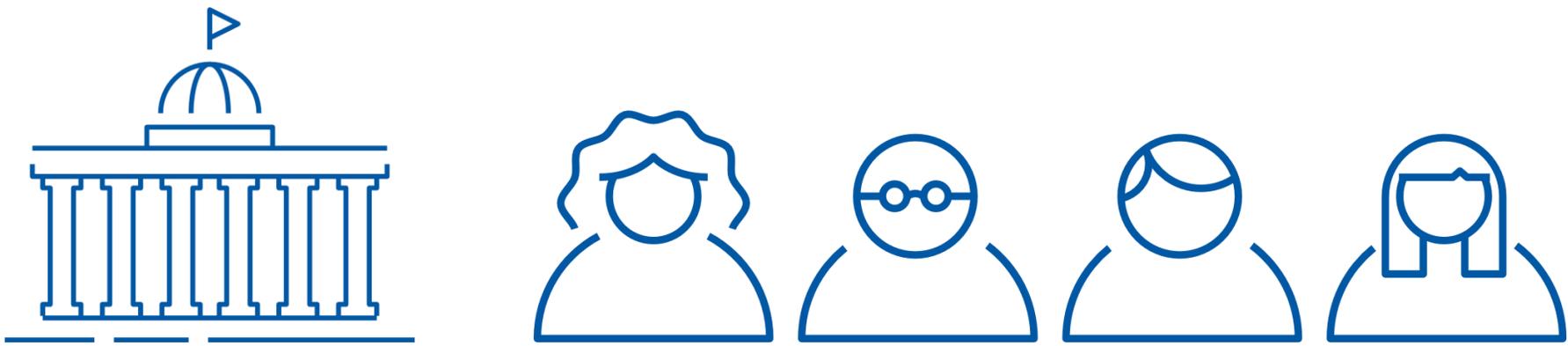
Basic tasks:

- Building ID
- Mailings/notifications
- Tech assistance
- Enforcement
- Analysis



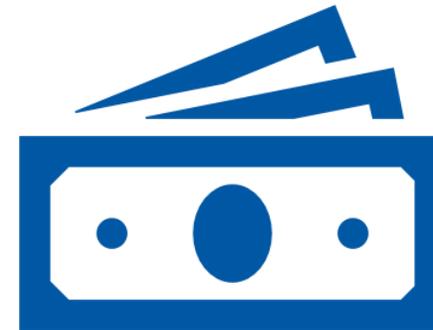
Key Internal Stakeholders

- Who has a relevant interest? Who has decision-making authority?
 - Staff: sustainability, building inspections, health, economic development
 - Officials: council members, mayor



Common Enforcement Mechanisms

- **Violation notices after due date**
- **Administrative citations with fines, which can be administered:**
 - step-wise and cumulative
 - Minneapolis (\$200, \$400, \$800, \$1600, \$2000)
 - daily and cumulative
 - Boulder (\$100 daily)
 - one time (usually large)
 - Seattle (\$1000)
 - eventually assessed on property taxes
- **Revoke occupancy permit**



Discussion:

- What enforcement mechanisms does your city have?
- What departments have enforcement capabilities?
- What would your city consider for this type of program?



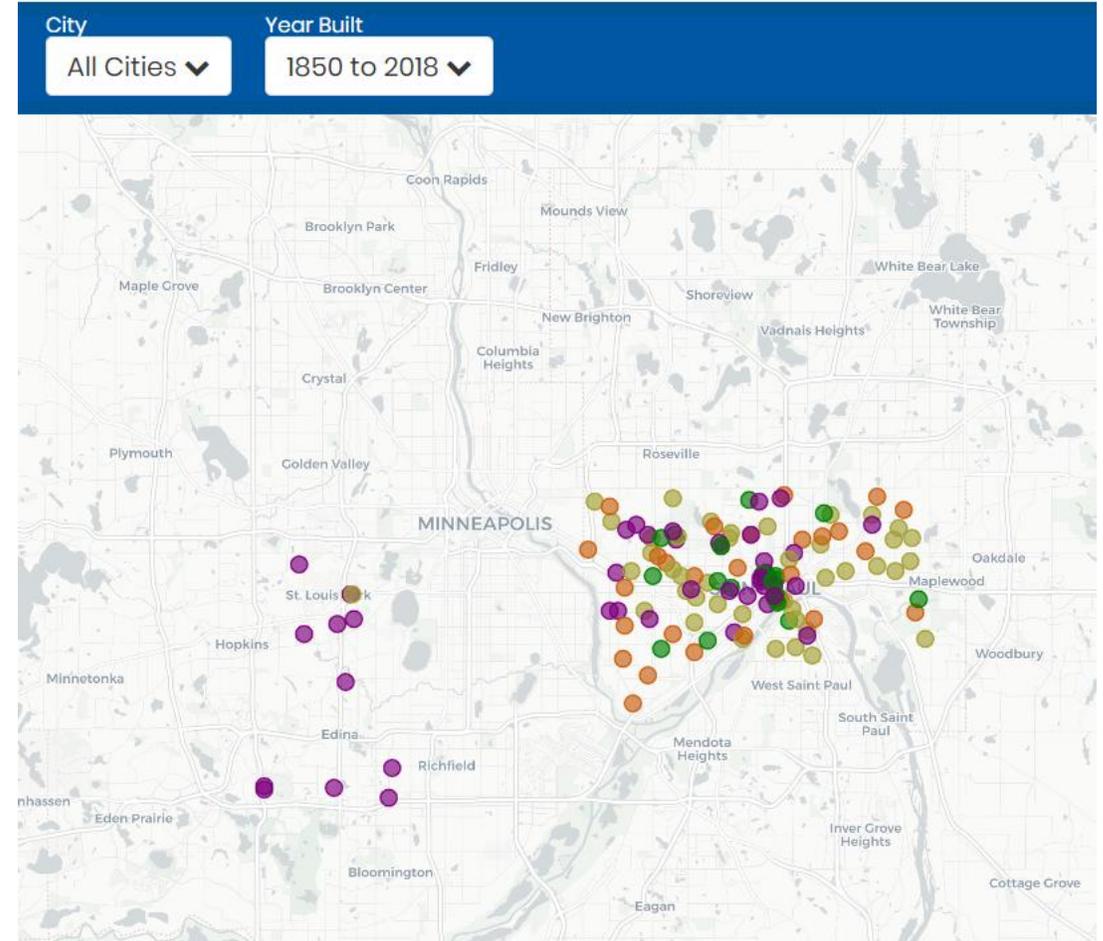
Do staff have to implement this policy on their own?

No! 😊

Overlay Scopes

Collaborative Implementation Services

- Overlay Consulting
 - Selected implementation vendor
 - Can provide soup-to-nuts implementation through 5 scopes
- City
 - Can select between 0-5 scopes
 - Contracts with Overlay for those services via a JPA



Scope 1 - Building ID and Contact	Role	
Activities	51-150 buildings	151-300 buildings
Help obtain, enter data.	Overlay	Overlay
Recommend which buildings to include.	Overlay	Overlay
Create supporting documentation for policy approval through city council.	Overlay	Overlay
Develop covered buildings list.	Overlay	Overlay
Provide letter templates for mailed notices.	Overlay	Overlay
Mail notices to buildings.	City	City
**Overlay First Year Fee	\$9,000	\$10,000
Scope 2 - Training	Role	
Activities	51-150 buildings	151-300 buildings
Provide custom assistance to owners if needed.	Overlay	Overlay
Provide training, training materials, and tools.	Overlay	Overlay
Develop technical assistance website hosted by Hennepin County.	Overlay	Overlay
Develop training content and support layout design.	Overlay	Overlay
Assist cities in providing outreach to buildings.	Overlay	Overlay
Handle local training logistics.	City	City
Develop stakeholder contacts	City	City
**Overlay First Year Fee	\$10,000	\$15,000
**Overlay Ongoing Fee	\$5,500	\$10,000

Scope 3 - QA/QC, Compliance, Enforcement	Role	
Activities	51-150 buildings	151-300 buildings
Telephone and email help line.	Overlay	Overlay
Analyze data to ensure accurate compliance.	Overlay	Overlay
Assist in the review and assessment of submissions from building owners/managers.	Overlay	Overlay
Emails to non-complying building owners.	Overlay	Overlay
Coordinate transfer of compliance list to/from Overlay (via API, FTP, etc.)	City	City
Mail citations to building owners.	City	City
**Overlay Annual Fee	\$7,250	\$9,000
Scope 4 - Results	Role	
Activities	51-150 buildings	151-300 buildings
Customized feedback on energy use to cities and building owners/managers.	Overlay	Overlay
Energy report card to the building owners.	Overlay	Overlay
Provide city-specific reports that show overall building compliance.	Overlay	Overlay
Present results to EEC, council, etc.	City	City
**Overlay Annual Fee	\$4,750	\$6,500

Scope 5 - Using the Data	Role	
Activities	51-150 buildings	151-300 buildings
Assist cities with communication efforts and promotion of success stories and advance communication of benchmarking results to tenants and other audiences.	Overlay	Overlay
Connect building owners with energy conservation resources.	Overlay	Overlay
**Overlay Annual Fee	\$5,250	\$7,000

Total for Scopes 1-5	51-150 buildings	151-300 buildings
Total Annual Cost for Overlay Services Year 1	\$36,250	\$47,500
Total Annual Cost for Overlay Services Year 2+	\$22,750	\$32,500

Pricing Flexibility

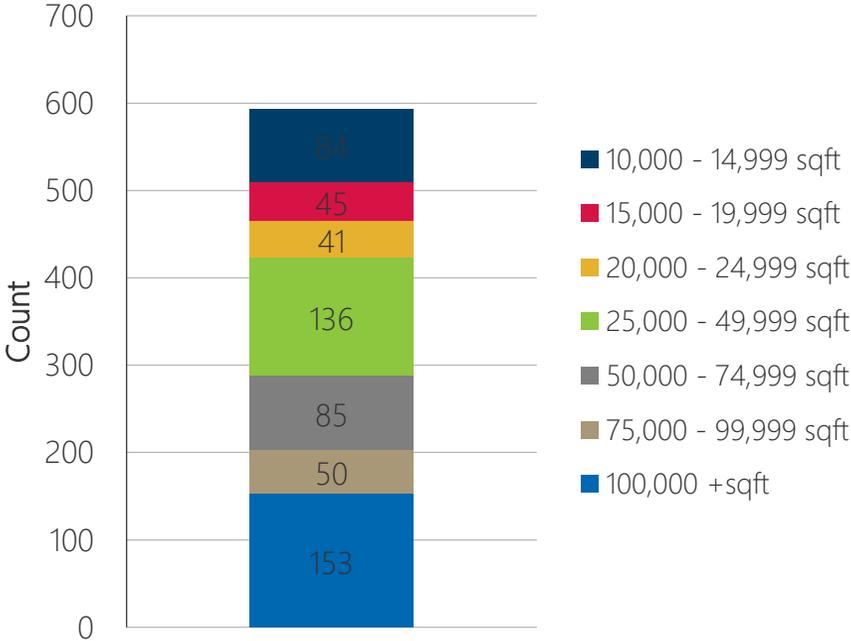
Price Index

Scope 1	1st Year Fee	Ongoing Annual Fee	Scope 3	1st Year Fee	Ongoing Annual Fee	Scope 5	1st Year Fee	Ongoing Annual Fee
0-50 Buildings	\$8,000	N/A	0-50 Buildings	\$5,833	\$5,833	0-50 Buildings	\$3,833	\$3,833
51-150 Buildings	\$9,000	N/A	51-150 Buildings	\$7,250	\$7,250	51-150 Buildings	\$5,250	\$5,250
151-300 Buildings	\$10,000	N/A	151-300 Buildings	\$9,000	\$9,000	151-300 Buildings	\$7,000	\$7,000
301-500 Buildings	\$11,000	N/A	301-500 Buildings	\$10,833	\$10,833	301-500 Buildings	\$8,833	\$8,833
501-750 Buildings	\$12,500	N/A	501-750 Buildings	\$12,500	\$12,500	501-750 Buildings	\$10,500	\$10,500
Single Building	\$50	N/A	Single Building	\$20	\$20	Single Building	\$15	\$15

Scope 2	1st Year Fee	Ongoing Annual Fee	Scope 4	1st Year Fee	Ongoing Annual Fee
0-50 Buildings	\$6,667	\$5,000	0-50 Buildings	\$3,333	\$3,333
51-150 Buildings	\$10,000	\$5,500	51-150 Buildings	\$4,750	\$4,750
151-300 Buildings	\$15,000	\$10,000	151-300 Buildings	\$6,500	\$6,500
301-500 Buildings	\$21,667	\$15,500	301-500 Buildings	\$8,333	\$8,333
501-750 Buildings	\$30,000	\$20,500	501-750 Buildings	\$10,000	\$10,000
Single Building	\$50	\$50	Single Building	\$15	\$15

Example scope costs

Count of Government, Commercial, Multifamily, Condo, and Townhome Buildings Greater than 10,000 Sq Ft



Threshold: 50,000 Square Feet

Number of Buildings: **288**

Scope 1: \$10,000 (1st year only)

Scope 2: \$15,000 | \$10,000

Scope 3: \$9,000

Scope 4: \$6,500

Scope 5: \$7,000

Total Year 1: \$40,500

Total Annual: \$32,500

Threshold: 100,000 Square Feet

Number of Buildings: **~150**

Scope 1: \$9,000 (1st year only)

Scope 2: \$10,000 | \$5,500

Scope 3: \$7,200

Scope 4: \$4,750

Scope 5: \$5,250

Total Year 1: \$30,950

Total Annual: \$22,700



Financial Benefit Scenario

City Alone

Typically 1.5 FTE

All in = \$120,000 - \$160,000



Maximizing Overlay's Services

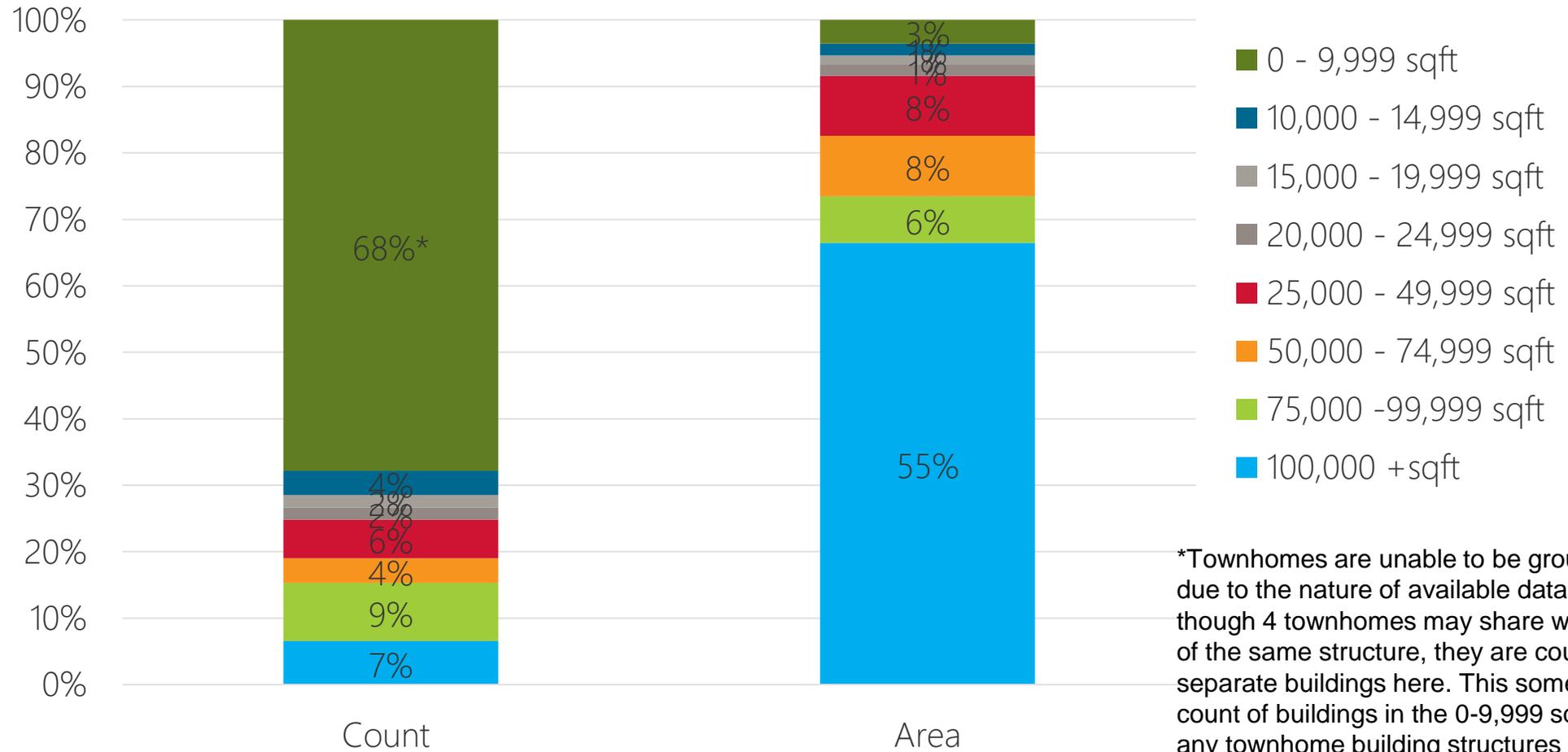
~\$20,000 - \$40,000 for Overlay + .25 FTE

All in = \$40,000 - \$65,000



Building Size Breakdown with Condos & Townhomes

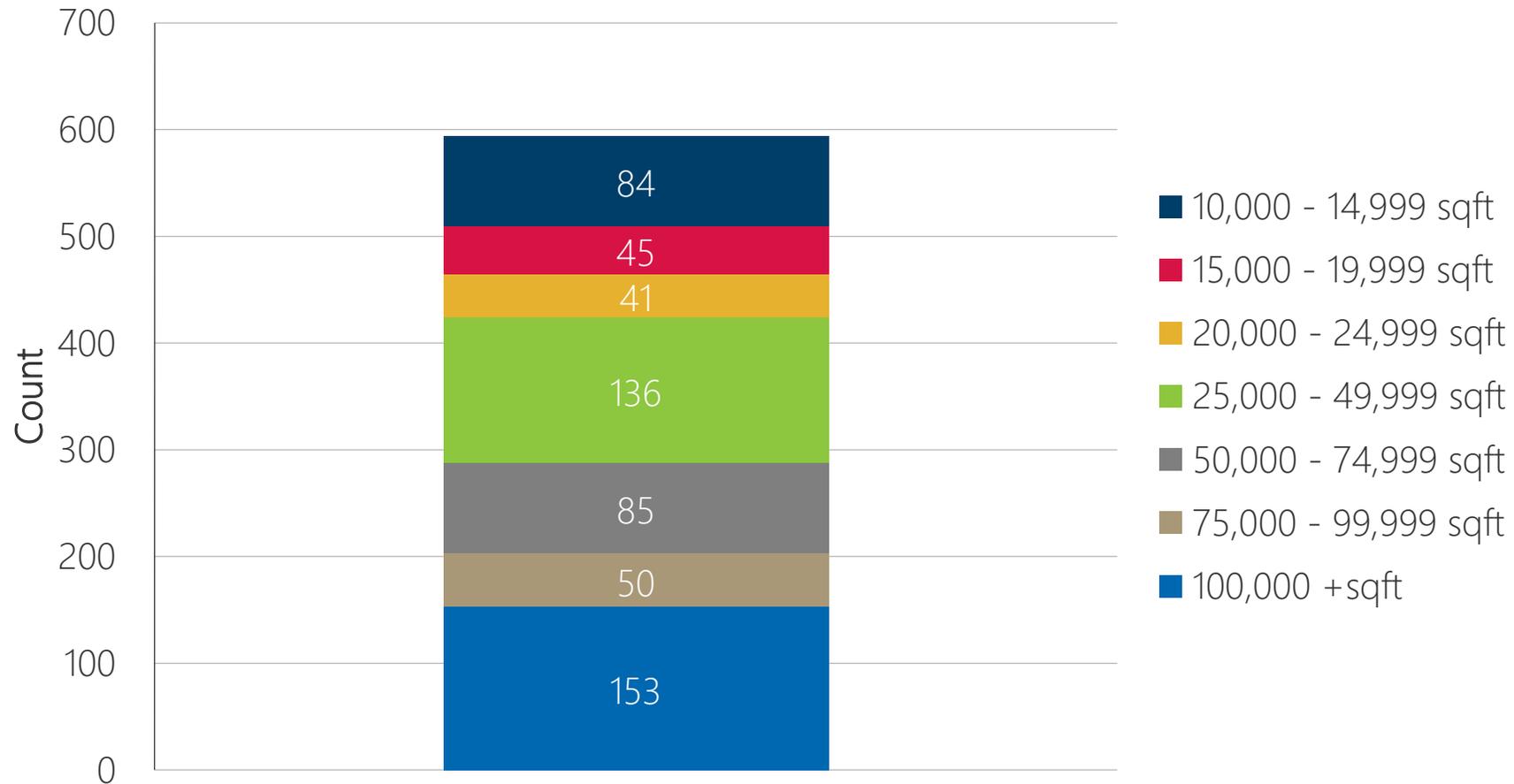
Count vs Area for Government, Commercial, Multifamily, Condo, and Townhome Buildings



*Townhomes are unable to be grouped by building due to the nature of available data. Example, though 4 townhomes may share walls and be part of the same structure, they are counted as 4 separate buildings here. This somewhat inflates the count of buildings in the 0-9,999 sqft range. Few if any townhome building structures seem to be larger than 10,000 sqft.

Building Size Breakdown with Condos & Townhomes

Count of Government, Commercial, Multifamily, Condo, and Townhome Buildings Greater than 10,000 Sq Ft



Wrap-up and Next Steps

Looking ahead...

- **Workshop 3**
 - Stakeholder engagement planning
 - Refine decisions around policy components
 - Solidify timeline

Thank you!

Katie Jones
CEE
kjones@mncee.org



BLOOMINGTON ENERGY DISCLOSURE

Time-of-Sale Home Energy Disclosure

Isaac Smith

•• Intro to time-of-sale energy disclosure

Agenda

- Background and context for energy disclosure
- Program design – How it works
- Energy disclosure report
- Bloomington savings opportunity
- Questions

Center for Energy and Environment

PROGRAMS



We cut energy waste while improving comfort in homes, commercial buildings, and communities.

RESEARCH



We identify and explore cost-effective, efficient technologies and ideas through field analysis, modeling, and stakeholder engagement.

CONSULTING



We help building owners and entire communities achieve long-term, energy-saving solutions.

POLICY



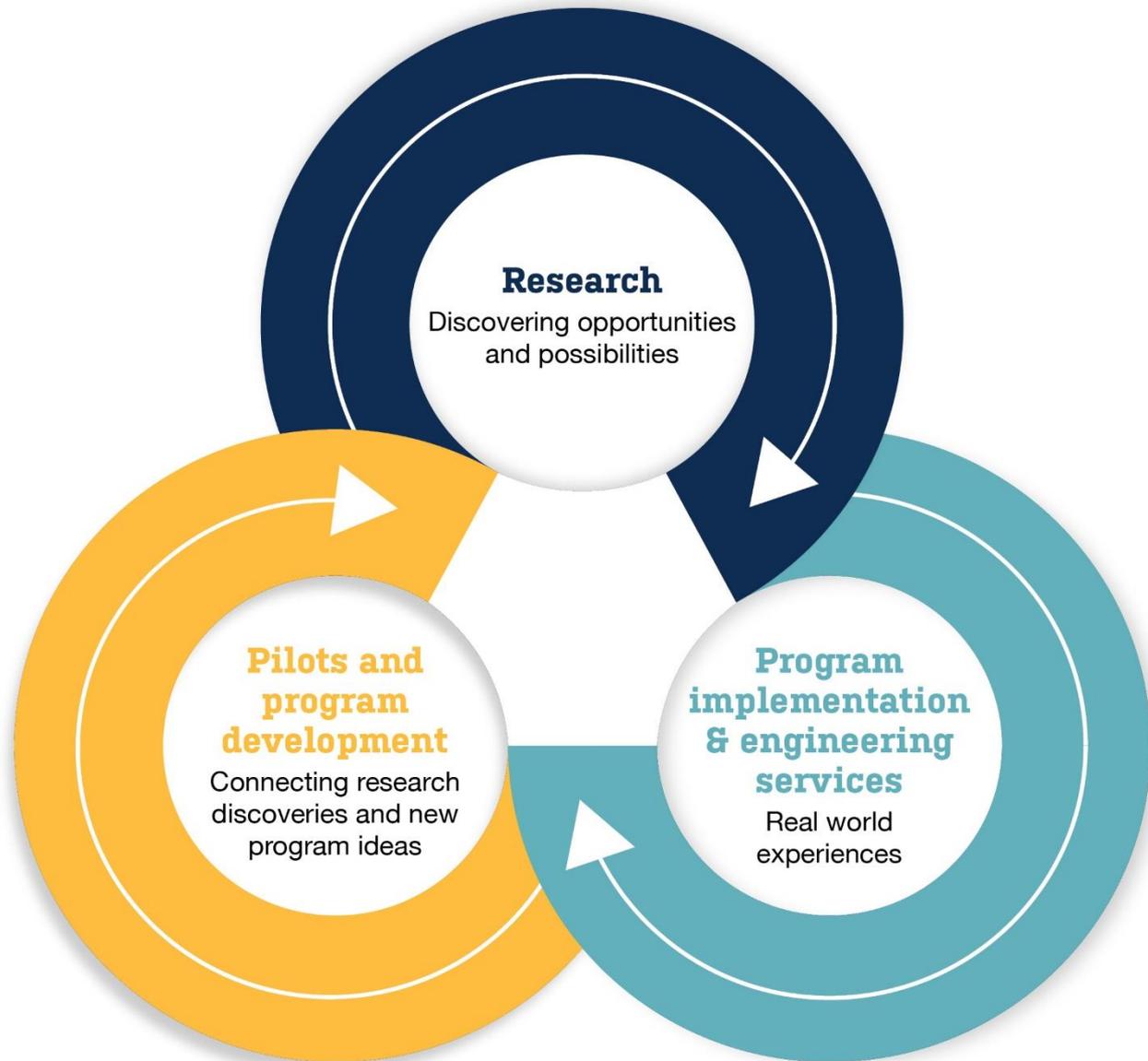
We strive for high-impact, pragmatic solutions guided by a public interest ethic.

LENDING



We empower people to make upgrades on energy efficiency and comfort in homes or businesses.

•• CEE – at our core





BACKGROUND ON ENERGY DISCLOSURE



What is Disclosure? Examples...



Energy Disclosure Report

Home Profile

Location:
1234 Sample Street
Minneapolis, MN 55409

Year built: 1920

House sq. ft.: 2,000

Number of stories: 2

Visit Date: 7/3/19

How It Works

The **energy score for your home** is similar to MPG for a car, but it evaluates the energy performance of the home. The higher the home scores, the lower your energy bills will be.

Improve your score by completing the energy improvements below. The improvements are prioritized by utility bill savings and project cost.

When you are ready to begin, contact an Energy Advisor at 612-244-2484. They can answer questions and connect you to helpful resources.

Financing and rebates are available from the City of Minneapolis and CenterPoint Energy to help you complete these energy improvements.

Energy Score



Home Energy Summary

The chart below prioritizes your energy improvements by utility bill savings and project cost. The points below show how much your score will improve by completing the project. Homes with the highest scores typically sell for 2-6% more.* Visit HomeEnergyHub.org.

Energy Improvements (by priority)	Improvement Points	Typical Cost	Rebate	Yearly Bill Savings	
Wall Insulation	Insulate your exterior walls	22	\$3,000–\$3,500	Up to \$500	\$200–\$400
Attic Insulation	Air seal and insulate your attic	19	\$2,250–\$2,750	Up to \$500	\$150–\$300
Heating System	Upgrade your furnace	10	\$3,000–\$6,000	Up to \$400	\$150–\$300
Windows	Add a storm window to your single-pane windows	6	\$50–\$60 per window	n/a	\$6–\$8 per window

Contact an Energy Advisor: **612-244-2484** or energyadvisor@mncee.org



Next Step:

Contact an Energy Advisor



Mike



Kat

612-244-2484 or energyadvisor@mncee.org

An Energy Advisor can help:



Answer your questions



Connect you to financing and utility rebates



Refer you to trusted contractors

The energy advisor service is provided by CEE with funding from CenterPoint Energy.

Energy Improvements (by priority)

Current wall R-Value: R-4
Recommended R-Value: R-11

Wall Insulation

Insulate your walls. Walls with little insulation are cold and drafty. Dense packing your walls with insulation will reduce home drafts and improve home comfort. This will also reduce energy waste and save money. Contact an Energy Advisor to learn more and get help with next steps.

22 improvement points

Typical Cost:
\$3,000–\$3,500
Yearly Bill Savings:
\$200–\$400
Rebate Available:
Up to \$500

Current attic R-Value: R-20
Recommended R-Value: R-50

Attic Insulation

Air seal and insulate your attic to improve the comfort of your home. Air leaks allow air from inside your house to enter the attic, causing ice dams and moisture issues. Sealing these leaks and adding insulation will improve your home's durability and save energy. Contact an Energy Advisor to learn more and get help with next steps.

19 improvement points

Typical Cost:
\$2,250–\$2,750
Yearly Bill Savings:
\$150–\$250
Rebate Available:
Up to \$500

Type:
Furnace
Venting:
Natural Draft
Age:
> 20 years old

Heating System

Upgrade your furnace. Your furnace is near the end of its useful life. Additionally, its basic natural draft system makes it possible for gases like carbon monoxide to spill back into your home, posing a potential risk to your indoor air quality and health. The best solution is to replace your furnace with a model that has an efficiency (AFUE) of at least 96% and an electronically commutated motor (ECM). This upgrade will modernize your heating system, properly remove combusted gases from your home, and maximize your energy savings.

10 improvement points

Typical Cost:
\$3,000–\$6,000
Yearly Bill Savings:
\$150–\$300
Rebate Available:
Up to \$400

of single pane windows: 2

Windows

Install a storm window on the exterior of single-pane windows to cost-effectively reduce your energy usage. Although generally not justified by the energy savings alone, you may also consider replacing single-pane windows with double-paned, high efficiency, ENERGY STAR rated windows.

6 improvement points

Typical Cost:
\$50–\$60 per window
Yearly Bill Savings:
\$6–\$8/window
Rebate Available:
n/a

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

* The typical cost for each project is calculated by taking the average of thousands of homes of a similar age and construction. The estimated savings is the average reported savings for homes that received a utility rebate. Actual cost and savings may vary. Please contact an Energy Advisor if you have questions.

** 2013 EU Study showed an appreciation of 2%-6% for homes that scored higher through their disclosure policy.

•• Goals of Energy Disclosure

- **A more informed market – make energy visible!**
 - Education - create awareness about home energy performance
 - Outline path towards home energy improvement
- **Reward homeowners that have completed energy improvements**
 - These upgrades are currently 'hidden' from the market
- **Spur investment in energy improvements**
 - Provide resources for homeowners to make improvements

• Why energy disclosure in Bloomington?

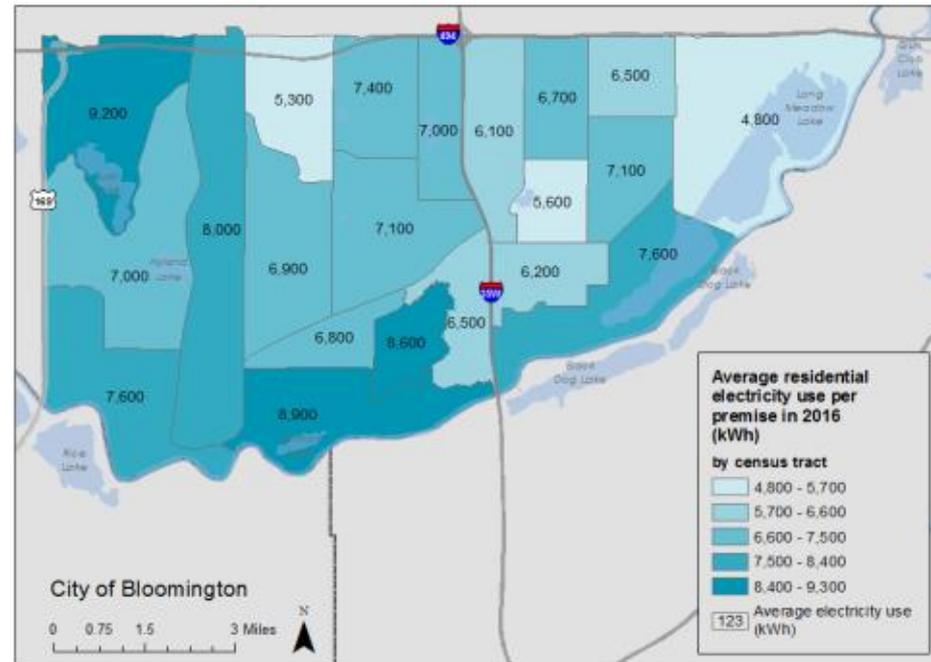
- Climate goals - 75% reduction in GHG by 2035
- Residential units contribute to 30% of Bloomington's GHG emissions
 - 44% of community-wide natural gas consumption
 - 20% of community-wide electricity consumption

An Energy Action Plan for **Bloomington, MN**



• Housing Affordability and Resiliency

- Understanding the total cost of ownership
- Average MN household spends ~\$1,800 per year on energy
 - Can be reduced by 30% through cost-effective energy upgrades
- Building envelope upgrades equate to more resilient homes
 - Comfortable and affordable during polar vortexes, extreme heat events, and severe weather





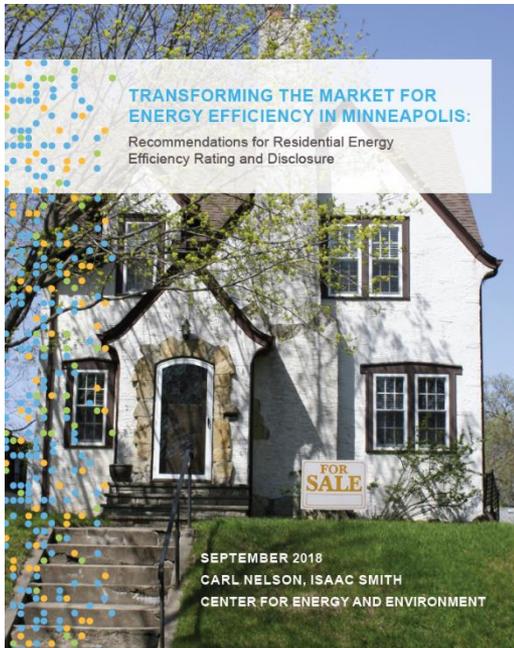
TOS ENERGY DISCLOSURE PROGRAM DESIGN AND HOW IT WORKS



• Home Energy Disclosure Research

Report

- Evaluated disclosure options
 - Reviewed similar policies



Finding

- Asset rating grounded in cost-effective upgrades
- Highly visible to market
- Link to utility programs, City resources and financing
- Incorporate into existing time of sale inspection

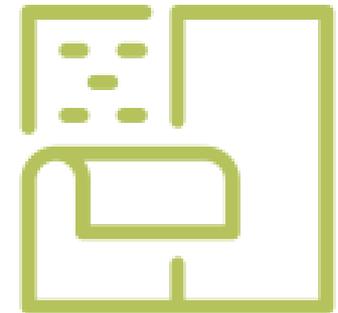
• Program Design

- Energy score is designed for existing housing stock
 - Motivate homeowner to make improvements
 - Every home can achieve the top score of 100
- Provide recommendations and resources for improving home efficiency
 - Prioritizes recommendations, outlines project cost, utility rebates

Focused on 4 areas with highest energy savings



Attic Insulation



Wall Insulation



Heating System



Storm Windows

• How It Works

- Incorporate into TOS program
 - Low-cost implementation – for City and home-sellers
 - Leverages existing City processes and staff

Collect additional energy data during TOS inspection

Generate Energy Disclosure Report

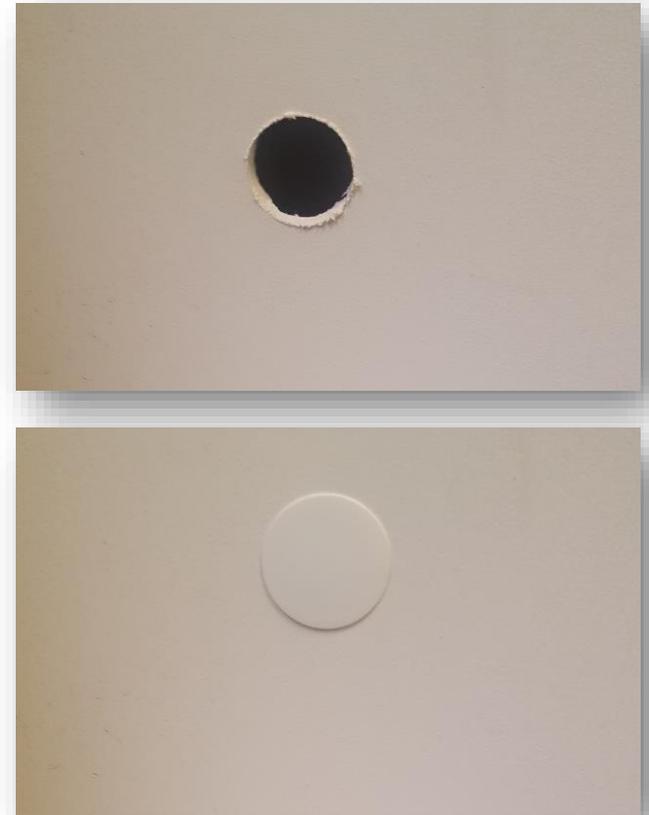
Follow TOS requirements -
Disclose info to buyers

•• TOS Energy Data Collection

Category	Currently Required	Additional Data Collection
Attic Insulation	<ul style="list-style-type: none"> - Evaluate rafters, moisture issues, electrical 	<ul style="list-style-type: none"> - Attic Type - Insulation Type - Inches
Heating System	<ul style="list-style-type: none"> - Heating system Type - Evaluate venting system 	<ul style="list-style-type: none"> - Record venting type: natural draft, induced draft, or sealed - Age: over/under 20 years old
Windows	<ul style="list-style-type: none"> - Evaluate frame, screen, glass 	<ul style="list-style-type: none"> - Number of single-pane windows w/out storm windows
Walls	<ul style="list-style-type: none"> - Evaluate structural condition 	<ul style="list-style-type: none"> - Drill hole to record insulation type and number of inches - Required for pre-1980's homes

•• Wall Insulation Inspection

- Biggest change to TOS evaluation
 - Adds ~15 minutes to inspection
- Small 2" hole drilled
 - Standard energy audit procedure
 - Completed in 8,000 homes per year
 - Identify insulation type and inches
 - Hole capped
- Discrete location with exterior facing wall
 - Typically a closet



❖ Wall Insulation – Energy Savings

- Wall insulation is the largest energy savings opportunity
- 25% of metro-area homes don't have any wall insulation



- Densepack insulation lowers overall air leakage of home, making it quieter and more comfortable.



ENERGY DISCLOSURE REPORT



Energy Disclosure Report



Home Profile

Location:
1234 Sample Street
Minneapolis, MN 55409

Year built: 1920

House sq. ft.: 2,000

Number of stories: 2

Visit Date: 7/3/19

Energy Disclosure Report

How It Works

The **energy score for your home** is similar to MPG for a car, but it evaluates the energy performance of the home. The higher the home scores, the lower your energy bills will be.

Improve your score by completing the energy improvements below. The improvements are prioritized by utility bill savings and project cost.

When you are ready to begin, contact an Energy Advisor at 612-244-2484. They can answer questions and connect you to helpful resources.

Financing and rebates are available from the City of Minneapolis and CenterPoint Energy to help you complete these energy improvements.

Energy Score



Your home: 43 points

94 score of the top 10% in Longfellow

Home Energy Summary

The chart below prioritizes your energy improvements by utility bill savings and project cost. The points below show how much your score will improve by completing the project. Homes with the highest scores typically sell for 2-6% more. Want to learn more about these projects? Visit HomeEnergyHub.org.

	Energy Improvements <i>(by priority)</i>	Improvement Points	Typical Cost	Rebate	Yearly Bill Savings
Wall Insulation	Insulate your exterior walls	22	\$3,000–\$3,500	Up to \$500	\$200–\$400
Attic Insulation	Air seal and insulate your attic	19	\$2,250–\$2,750	Up to \$500	\$150–\$300
Heating System	Upgrade your furnace	10	\$3,000–\$6,000	Up to \$400	\$150–\$300
Windows	Add a storm window to your single-pane windows	6	\$50–\$60 per window	n/a	\$6–\$8 per window



Contact an Energy Advisor: **612-244-2484** or energyadvisor@mncee.org



CenterPoint Energy and Performance

- Energy Score
 - Understand energy performance and compare homes

- Recommendations
 - Outline energy saving opportunities

- Resources
 - Energy Advisors
 - Utility rebates
 - Low-interest financing

•• Energy Report – Home Summary

Recommendations



Simple and prioritized next steps



Information on cost and energy savings

Resources



Utility programs and rebates



City financing and resources

•• Energy Report – Home Summary

Home Energy Summary

The energy improvements below are prioritized by utility bill savings and project cost. The points below show how much your score will improve by completing the project. Visit HomeEnergyHub.org to learn more about these projects.

	Energy Improvements <i>(by priority)</i>	Improvement Points	Typical Cost	Rebate	Yearly Bill Savings
Wall Insulation	Insulate your exterior walls	20	\$2,100– \$2,300	Up to \$500	\$200–\$400
Attic Insulation	Air seal and insulate your attic	16	\$1,900– \$2,200	Up to \$500	\$150–\$300
Heating System	Upgrade your furnace when it's 20 years old	13	\$3,500– \$6,000	Up to \$500	\$150–\$300
Windows	Add a storm window to your single-pane windows	2	\$50–\$60 per window	————	\$6–\$8 per window

Recommendation Detail

Energy Improvements *(by priority)*

Current Wall

R-Value: R-3

Recommended

R-Value: R-11

Wall Insulation

Insulate your walls. Walls with little insulation are cold and drafty. Dense packing your walls with insulation will reduce home drafts and improve home comfort. This will also reduce energy waste and save money. Contact an Energy Advisor to learn more and get help with next steps.

20 improvement points

Typical Cost:*

\$2,100–\$2,300

Yearly Bill Savings:*

\$200–\$400

Rebate Available:

Up to \$500

Current Attic

R-Value: R-15

Recommended

R-Value: R-50

Attic Insulation

Air seal and insulate your attic to improve the comfort of your home. Air leaks allow air from inside your house to enter the attic, potentially causing comfort issues, ice dams and moisture issues. Sealing these leaks and adding insulation will improve your home's durability and save energy. Contact an Energy Advisor to learn more and get help with next steps.

16 improvement points

Typical Cost:*

\$1,900–\$2,200

Yearly Bill Savings:*

\$150–\$300

Rebate Available:

Up to \$500

•• Energy Report Resources

- Simplified next step
 - Only 1 person to contact
- Resource for realtors, homeowners, TOS evaluators

Next Step:

Contact an Energy Advisor



Mike



Kat

651-328-6225 or
energyadvisor@mncee.org

An Energy Advisor can help:



Answer your questions



Connect you to financing and utility rebates



Refer you to trusted contractors

The energy advisor service is provided by CEE with funding from CenterPoint Energy.

• Energy Advisor Service

- Connection between information and action



Energy Disclosure Report Example



Energy Disclosure Report

Home Profile

Location:
1234 Sample Street
Minneapolis, MN 55409

Year built: 1920

House sq. ft.: 2,000

Number of stories: 2

Visit Date: 7/3/19

How It Works

The **energy score for your home** is similar to MPG for a car, but it evaluates the energy performance of the home. The higher the home scores, the lower your energy bills will be.

Improve your score by completing the energy improvements below. The improvements are prioritized by utility bill savings and project cost.

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Financing and rebates are available from the City of Minneapolis and CenterPoint Energy to help you complete these energy improvements.

Energy Score



Home Energy Summary

The chart below prioritizes your energy improvements by utility bill savings and project cost. The points below show how much your score will improve by completing the project. Homes with the highest scores typically sell for 2-6% more.** Want to learn more about these projects? Visit HomeEnergyHub.org.

Energy Improvements (by priority)	Improvement Points	Typical Cost	Rebate	Yearly Bill Savings	
Wall Insulation	Insulate your exterior walls	22	\$3,000-\$3,500	Up to \$500	\$200-\$400
Attic Insulation	Air seal and insulate your attic	19	\$2,250-\$2,750	Up to \$500	\$150-\$300
Heating System	Upgrade your furnace	10	\$3,000-\$6,000	Up to \$400	\$150-\$300
Windows	Add a storm window to your single-pane windows	6	\$50-\$60 per window	n/a	\$6-\$8 per window

Next Step:

Contact an Energy Advisor



Mike



Kat

612-244-2484 or energyadvisor@mncee.org

An Energy Advisor can help:



Answer your questions



Connect you to financing and utility rebates



Refer you to trusted contractors

The energy advisor service is provided by CEE with funding from CenterPoint Energy.

Energy Improvements (by priority)

Current wall R-Value: R-4
Recommended R-Value: R-11

Wall Insulation

Insulate your walls. Walls with little insulation are cold and drafty. Dense packing your walls with insulation will reduce home drafts and improve home comfort. This will also reduce energy waste and save money. Contact an Energy Advisor to learn more and get help with next steps.

22 improvement points

Typical Cost:*
\$3,000-\$3,500

Yearly Bill Savings:*
\$200-\$400

Rebate Available:
Up to \$500

Current attic R-Value: R-20
Recommended R-Value: R-50

Attic Insulation

Air seal and insulate your attic to improve the comfort of your home. Air leaks allow air from inside your house to enter the attic, causing ice dams and moisture issues. Sealing these leaks and adding insulation will improve your home's durability and save energy. Contact an Energy Advisor to learn more and get help with next steps.

19 improvement points

Typical Cost:*
\$2,250-\$2,750

Yearly Bill Savings:*
\$150-\$250

Rebate Available:
Up to \$500

Type: Furnace
Venting: Natural Draft
Age: > 20 years old

Heating System

Upgrade your furnace. Your furnace is near the end of its useful life. Additionally, its basic natural draft system makes it possible for gases like carbon monoxide to spill back into your home, posing a potential risk to your indoor air quality and health. The best solution is to replace your furnace with a model that has an efficiency (AFUE) of at least 96% and an electronically commutated motor (ECM). This upgrade will modernize your heating system, properly remove combusted gases from your home, and maximize your energy savings.

10 improvement points

Typical Cost:*
\$3,000-\$6,000

Yearly Bill Savings:*
\$150-\$300

Rebate Available:
Up to \$400

of single pane windows: 2

Windows

Install a storm window on the exterior of single-pane windows to cost-effectively reduce your energy usage. Although generally not justified by the energy savings alone, you may also consider replacing single-pane windows with double-paned, high efficiency, ENERGY STAR rated windows.

6 improvement points

Typical Cost:*
\$50-\$60 per window

Yearly Bill Savings:*
\$6-\$8/window

Rebate Available:
n/a



Contact an Energy Advisor: 612-244-2484 or energyadvisor@mncee.org



XXXXXXXXXXXXXXXXXXXX

* The typical cost for each project is calculated by taking the average of thousands of homes of a similar age and construction. The estimated savings is the average reported savings for homes that received a utility rebate. Actual cost and savings may vary. Please contact an Energy Advisor if you have questions.

** 2013 EU Study showed an appreciation of 2%-6% for homes that scored higher through their disclosure policy.



THE OPPORTUNITY IN BLOOMINGTON



•• Achieving City Goals

Energy Disclosure Market

- 23,468 single family homes
 - 44% of community-wide natural gas use
- 2018 – 226 HES visits
- 2018 – 1,275 home sales

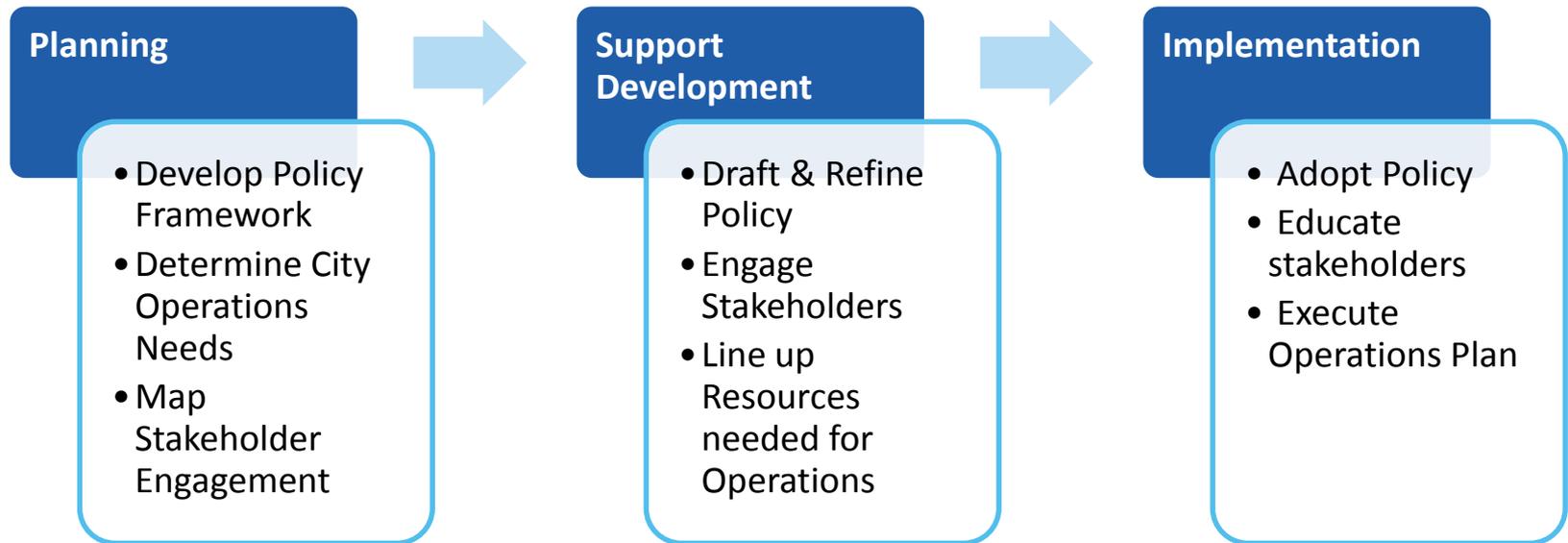
Benefits

- Education and community awareness
- Spur investment in energy improvements
- Reduce residential natural gas use
- Reduce energy cost for residents
- Improve existing housing stock

•• How to get started

CEE can help:

- Guide a planning process with a city-defined planning team for the three major components



QUESTIONS?

Isaac Smith – ismith@mncee.org – 612-335-3483

Studies Nationwide Show Energy Efficient Homes Sell for More, Faster

Certified homes sell for 9.6% more⁶

Certified homes sell for 4.2% more & 18 days faster⁶

Certified homes sell for 2.1 to 5.3% more⁹

PACE homes delivered \$199 to \$8,882 in savings above cost of improvements⁷

ENERGY STAR homes sold at \$5,566 premium at \$2.99 per ft² more, & 89 days faster¹⁰

Homes designated relatively energy efficient sold for an average \$3,416 premium⁴

Houses with one or more green element sell for 5.9% more²

Homes that disclose energy costs sold 20 days faster⁵

Homes that use "green" fields consistently perform better on market indicators⁸

New certified homes sold for 12.9% more, \$13.82 per ft² more, & 42 days faster¹

Certified homes sold for a higher percentage of their asking price & 31 days faster²

Sources: ¹Argeris, 2010; ²Cadena & Thomson, 2015; ³Carson Matthews, 2009; ⁴Corgel, Goebel, & Wade, 1982; ⁵Elevate Energy, 2015; ⁶Griffin, 2009; ⁷Goodman & Zhu, 2016; ⁸Institute for Market Transformation, 2015; ⁹Kahn & Kok, 2013; ¹⁰Pflegler et al., 2011.

120

The Research Says: Homebuyers Value Energy Efficiency

Studies Show a Sales Premium of:



2% to 6% for designated energy efficient homes ^{1, 2, 3, 7, 12}



\$2.99 to \$13.82 per square foot for every dollar saved on annual electricity bills from efficiency investments ^{1, 5, 10, 15}



\$3,416 to \$8,882 for designated energy efficient homes ^{4, 8, 9, 12, 13, 14, 15}



Designated energy efficient

VS.



Comparable home

Sources: ¹Argeris, 2010; ²Brown & Watkins, 2016; ³Cadena & Thomson, 2015; ⁴Carson Matthews, 2009; ⁵Dinan & Miranowski, 1989; ⁶Elevate Energy, 2015; ⁷Griffin, 2009; ⁸Goodman & Zhu, 2016; ⁹Halvorsen & Pollakowski 1981; ¹⁰Horowitz & Haeri, 1990; ¹¹Institute for Market Transformation, 2015; ¹²Kahn & Kok, 2013; ¹³Laquatra, 1986; ¹⁴Longstreth, 1986; ¹⁵Pfleger et al., 2011.

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Commission Agenda Item

Originator Public Works	Item Curbside Cleanup Updates
Agenda Section STRATEGIC ITEMS	Date June 16, 2020

Requested Action:

No formal action required, for informational purposes only.

Description:

Commissioner Jaimez and Commissioner White will provide an update about Curbside Cleanup program modifications.

Attachments:

[Curbside Cleanup 2022 Program Change Timeline Scenario](#)

Curbside Cleanup Changes Begin in 2022 - Timeline

Tasks	2020												2021												2022											
	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D			
Recommendations presented to Council																																				
Establish new rate																																				
Meet with Finance																																				
Submit 2022 Budget Requests																																				
Public Hearing on Utility Rates																																				
Adopt new rates																																				
Set up new Utility Billing procedures																																				
Meet with Utility Billing																																				
Establish new procedures for scheduling vouchers																																				
Determine any additional costs																																				
Refine recommendations																																				
Secure drop-off sites and dates																																				
Further research on costs for drop-offs and available vendors																																				
Further research on costs for vouchers and available vendors																																				
Further research on volunteers for assistance to those with limited mobility																																				
Provide public education																																				
Changes are coming, here's why																																				
Announce program changes																																				
Promote vouchers																																				
Promote drop-off events																																				
Receive Council approval																																				
Present recommended timeline and program implementation for approval																																				
Formal adoption of new rates																																				
Meet contract obligation to notify haulers of program changes by Dec 1																																				
Implement new program																																				
Negotiate with Consortium																																				
Possible bidding process if negotiations are not succesful																																				
Bidding process for drop-offs																																				
Deliver new service																																				
Drop-Off Event 1 & 2																																				
Vouchers																																				
On-going public education regarding ballot questions																																				
Develop curbside organics program																																				
Implement new curbside organics program																																				
COVID-19 Restrictions on gatherings																																				



Commission Agenda Item

Originator Public Works	Item Collaboration with Parks, Arts, and Recreation Commission
Agenda Section STRATEGIC ITEMS	Date June 16, 2020

Requested Action:

No formal action requested, for informational purposes only.

Description:

Commissioner Bouta and Commissioner Erdmann will provide updates about the June 10, 2020 meeting with the Parks, Arts, and Recreation Commission.

Attachments:

[6-10-20 PARCs Sustainability Presentation](#)

Sustainability Commission:
Natural Open Spaces



1

Agenda



- Context
- 2007 Parks Plan
- Sustainability Commission
 - Mission
 - Natural Open Spaces
 - Efforts to Date
 - Current Work Plan

2

Context



- Parks and open space comprise almost 40% of the land area of Bloomington.
- Of that, Natural Open Spaces (Regional Parks and Conservation Areas) account for 88% of Park Land.
- Bloomington has 101 acres of open space per 1000 residents — one of the highest ratios in the US.
- The residents of Bloomington are very proud of and engaged in our natural open spaces.
- There is no staff person who has responsibility for managing / overseeing these natural open spaces and no plan or funding exists for preserving, maintaining, or restoring them. As a result, much of our natural open spaces are in very poor shape.

3

2007 Parks Master Plan

A Good Place to Start



4

Resident Use and Perspectives of Natural Open Spaces 2007



What Type of Outdoor park or recreation activities do you feel are lacking in Bloomington	%	Rank
• Bike and walking trails	32%	# 1
• Natural areas	13%	6th out of 19
• River access	13%	6th out of 19

What Priority does each hold for your household in future on a scale of 1 - 5 where 5 = high priority and 1 = low priority	% of responding w/ 4 or 5
• Trails (walking, bicycle, inline skate, etc.)	85%
• Park Maintenance and upkeep	85%
• Park Safety	81%
• Natural Resources Management	72%
• Passive parks (picnic, trails, nature study, etc.)	69%

5

Resident Use and Perspectives of Natural Open Spaces 2007 (cont.)



What type of outdoor park or recreation activities do you feel are lacking in Bloomington? (top 3)	%
• Bike and walking trails	32%
• Refrigerated skating facilities	30%
• Indoor swimming complex	18%

In which activities have you or members of your household participated within the City of Bloomington during the past three years (in parks or elsewhere) at least 1 / month.	%
• Trails - others	66%
• Lower Nine Mile Creek Trails	53%
• Minnesota River Valley	56%
• Softball or baseball fields	47%
• Bush Lake Beach	46%
• Outdoor skating rinks	34%
• Tennis Courts	31%

6

2007 Parks Master Plan *Priority Needs*



The Needs Assessment evaluation process identified the needs and desires for the park system. Those identified were then evaluated and prioritized by the Citizen's Task Force and City staff. The needs with the highest priority are as follows:

1. Park revitalization – aging infrastructure, buildings, equipment, etc.
2. Improvements for accessibility in parks to meet the American Disability Act guidelines.
3. Maximizing use of existing facilities to meet recreation demand.
4. Trail and bikeway connections to other community's trail systems and to destinations within the city.
5. Sustainable funding resources - there is a significant funding shortfall between identified existing needs and funding (See below).
6. Teenage programs and activities.
7. Improve parks system with an emphasis on active living (trails, walking, biking, exercise).
8. Make quality a priority over quantity in recreation facilities.
9. Improve protection and management of high quality natural resource.
10. More natural resource management and sustainability actions.

*Few if any of the "priority needs" focused on natural open spaced have been addressed

7

2007 Parks Master Plan *Strategies**



Strategies

- Strategy 1: Reposition parks to reduce maintenance and capital investment costs, improve quality to better meet evolving park and recreation needs and the increasingly diverse park user..... 6-3
- Strategy 2: Develop/improve facilities and parks to enhance sense of community..... 6-4
- Strategy 3: Promote active living in parks..... 6-4
- Strategy 4: Improve park identification and way-finding..... 6-4
- Strategy 5: Ensure the Hyland-Bush-Anderson Lakes Park Reserve Master Plan update addresses park in-holding acquisition funding..... 6-5
- Strategy 6: Address existing neighborhood park service area gaps when suitable land becomes available to meet neighborhood needs..... 6-5
- Strategy 7: Hire an ecological consultant to develop a natural resources management plan of priority preservation and management areas to support the regeneration and expansion of native plant communities..... 6-5
- Strategy 8: Use native plants to meet environmental objectives and reduce maintenance requirements..... 6-6
- Strategy 9: Preserve and manage aquatic and terrestrial environments..... 6-6
- Strategy 10: Promote community stewardship of natural areas..... 6-6
- Strategy 11: Partner with agencies, organizations and businesses to enhance natural resource access and management..... 6-8
- Strategy 12: Improve bicycle and pedestrian access across highways and major roads and the Minnesota River.... 6-9

*Few if any of those focused on natural open spaces have been implemented

8



Sustainability Commission

- Mission
- Efforts to Date
- Current Work Plan

9



Mission / Organization

The purpose of the Sustainability Commission shall be to advise the City Council on policies and practices that relate to the **sustainable use and management of environmental resources** that include **air, water, energy, land, and ecological resources and waste**. The Sustainability Commission will help to ensure that such resources will be sustained and continue to provide for a high quality of life for present and future generations of Bloomington.

- (a) Collaborate with city staff to review, evaluate, develop, and advise the City Council on policies and practices regarding the sustainable use and management of environmental resources that include **air, water, energy, land, and ecological resources and waste**;
- (b) **Act as change agent, coordinator and educator for policies, procedures and proposals that relate to environmental sustainability;**
- (c) **Engage with the Bloomington community** and serve as a community liaison for issues, ideas, and proposals and provide appropriate feedback;
- (d) **Cultivate relationships with residents, community groups, businesses, institutions of higher learning, faith based organizations, outside government bodies, and non-governmental institutions;**
- (e) **Serve as a resource for other Bloomington commissions, boards, committees, and task forces on any issues related to sustainability;**

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Sustainability Commission Ecological Organization

- Energy / Carbon
- Solid Waste
- Surface / Ground Water
- Ecological Land Stewardship

11

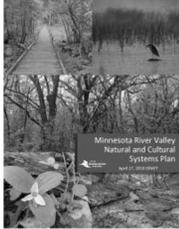


ELS: Efforts to Date

- MN River Valley Cultural and Natural Systems Plan
- Natural Open Spaces Categorization and Prioritization

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MN River Valley Cultural and Natural Systems Plan



- Driven by Sustainability Commission / partnered with PARCs Commission members
- Identified criteria that was used for identifying high priority areas for protection / restoration
- Sustainability Commission has partnered with staff to obtain grants to fund protection / restoration projects

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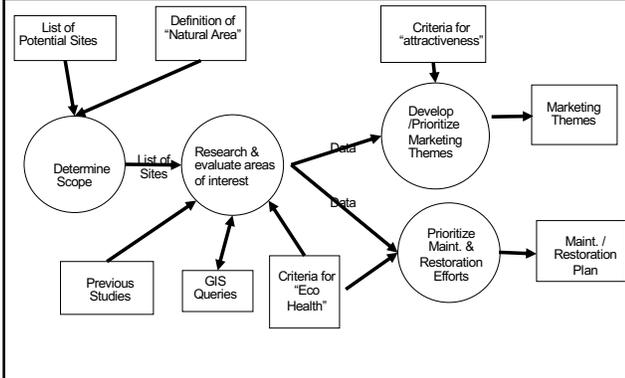
Ongoing Efforts in MN River Valley



- Grant Application submitted October 2018
- \$134,000 grant for 20 acres of Oak Savanna Restoration at Parkers Picnic Ground
- Work began in fall 2019, continues through fall 2021
- Buckthorn Bust at Pond-Dakota Mission, November 2, 2019, 15 people attending
- Potential for Grant Applications, Buckthorn Bust, and restoration video this fall

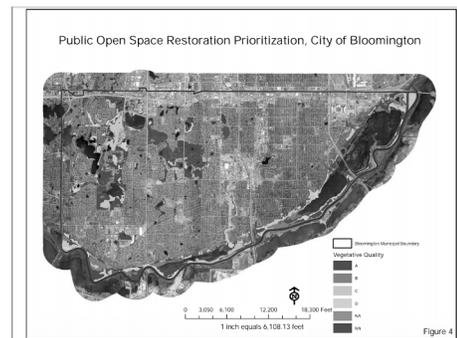
14

NATURAL OPEN SPACES PRIORITIZATION

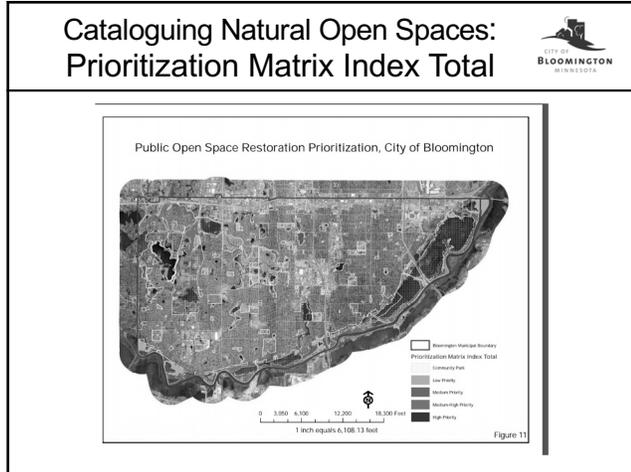


15

Cataloguing Natural Open Spaces: Vegetative Quality



16



17

- ### Next Steps
- **Complete Evaluation**
 - **Restoration / Maintenance / Accessibility Plan**
 - Develop criteria and apply
 - Develop cost guides
 - Get feedback and iterate
 - Create plan (part of PARC Master Plan?)
 - **“Marketing Plan”**
 - Understand key attributes that will attract residents (PARC Master Plan Process)
 - Develop Marketing Plan

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- ### ELS: 2020 Work Plan
- Continue Parkers Picnic Area Restoration Efforts
 - Provide Input into 2020 Parks Master Plan Regarding Natural Open Spaces.

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- ### ELS: 2020 Work Plan
- RESTORATION IN THE MNRV – Parkers Picnic Ground**
Description: Provide technical support and grant writing support for staff to complete Phase I of the restoration of the Parkers Picnic Ground in the MNRV.
- **Lead:** PW Deputy Director and Park Maintenance
 - **Projected start:** Ongoing
 - **Estimated staff time:** 40 hours **Commission effort:** Medium
- PARTICIPATE IN UPDATING THE 20 YEAR PARCS MASTER PLAN.**
Description: Commission members and staff identified and cataloged city owned natural and open spaces using available land use and natural resource data with geographic data queries. The work resulted in a high-level descriptive profile of Bloomington’s natural resource lands outside the Minnesota River Valley. In conjunction with the Parks Master Plan Process, Commission members and parks staff will further prioritize natural and open space resources and develop a strategy for future maintenance of high value areas. Specific outcomes may include:
- **Long range Natural Resource Preservation / Restoration Plan**
 - **A Trail and Sign Plan Strategy**
 - **Development of Outreach Programs to Educate and Address Invasive Species, including sponsoring 2 – 4 invasive species removal events.**
 - **Lead:** Sustainability Commission
 - **Projected start:** January 2020
 - **Estimated staff time:** 40 hours **Commission effort:** Medium

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Commission Agenda Item

Originator Public Works	Item Commercial/Industrial/Institutional Irrigation Program Update
Agenda Section STRATEGIC ITEMS	Date June 16, 2020

Requested Action:

No formal action required, for informational purposes only.

Description:

Chair Sandry provides a commercial/industrial/institutional irrigation program update.

Attachments:

[Smart Irrigation Sample letter DRAFT](#)



June 1, 2020

Residential HOA
Xxx
Bloomington, MN

RE: 2020 Bloomington Smart Irrigation Program cost-share opportunity

Dear xx,

The city of Bloomington Public Works department and the Bloomington Sustainability Commission are pleased to offer a special opportunity to your commercial property or homeowner association to save money and take a leadership position in helping to improve our environment by participating in a cost-share program of assessment and potential improvements to the landscape irrigation system serving your Bloomington property.

Made possible in part from grant funds from the State of Minnesota Clean Water, Land and Legacy Amendment, the Metropolitan Council, the Riley Purgatory Bluff Creek Watershed District and the Bloomington Sustainability Commission, the 2020 Bloomington Smart Irrigation Program enables you to obtain knowledge about the performance and efficiency of your landscape irrigation system at a very low cost to you.

Derived from water use records, your property is among those identified as high users of municipal water during the summer months. Large properties within Bloomington currently use approximately 700 million gallons of water annually, primarily for landscape irrigation. It is estimated that approximately 50% of that water is wasted due to overwatering, leaks, defective sprinklers, ineffective or missing sensing equipment, obsolete control technology and poor scheduling or maintenance. The result is waste of approximately 350 million gallons of water each year and \$1.3 million of unnecessary water cost!

Offered on a first-come, first-served basis, the 2020 Bloomington Smart Irrigation Program includes a cost-share process whereby you will receive a report and recommendations tailored to your property. Further, if improvements are suggested in the report, some actions are eligible for rebates. Specifically, the 2020 program process includes:

1. A reduced cost (\$100) landscape irrigation system assessment by an experienced landscape irrigation professional who is also a US EPA WaterSense® Partner (a \$1500-\$2500 value!). The professional will observe your landscape irrigation system in operation and furnish an assessment report cataloging system characteristics and identifying opportunities for improvements in condition, operation and maintenance.
2. Following the assessment and report, you can participate in a simple rebate program of up to \$1,500, to help defray the cost of implementing proposed improvements to your irrigation system, such as simple moisture-sensing technology, US EPA-labeled "Smart" irrigation controllers or modern, water-efficient sprinklers.

Participation in this program may help you significantly reduce water waste, water cost and cost of maintenance of the landscape irrigation system serving your commercial or homeowner association property. The suggested improvements once implemented, can result in returns on investment measured in one irrigation season and sometimes, as often is the case of simple rain-sensing technology, in one rain event! The benefits to the environment are immediate via improved water-efficiency, reduced water waste, reduce inputs to maintain your landscape and a healthier landscape.

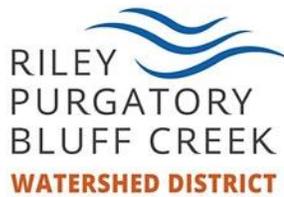
Twin Cities-based Water in Motion, Inc. is the US EPA WaterSense® Partner firm assigned to implement the 2020 Bloomington Smart Irrigation Program. For 25 years, Water in Motion has practiced the business of outdoor water use, reuse, design, consulting & water management services. Water in Motion staff will follow-up this letter during June to answer questions and arrange assessment appointments with those who choose to participate in this worthwhile program.

In the meantime, if you are interested in more information about the 2020 Bloomington Smart Irrigation Program, please check out our website at: www.XXXXXXXX, or contact **Tim Malooly at Water in Motion, 952-229-1911, TimM@watermotion.com** or Ellen Biales, Bloomington Public Works, at 952-563-8730, ebiales@bloomingtonmn.gov.

Remember, this cost-share program is first-come, first-served for commercial or homeowner association properties. If you are interested in participating, please don't hesitate to proactively call Tim at Water in Motion, to receive this benefit.

Sincerely,

Ellen Biales
Deputy Director
Bloomington Public Works





Commission Agenda Item

Originator Public Works	Item June 2020 Work Plan Updates
Agenda Section STRATEGIC ITEMS	Date June 16, 2020

Requested Action:

No formal action required, for informational purposes only.

Description:

Opportunity for Sustainability Commissioners to ask questions about June 2020 work plan updates.

Attachments:

[2020 Work Plan-June Update Summary](#)

INITIATIVE	Initiative Description	Kick off Meeting	Close Out Meeting	Status	Type of Engagement	Project Lead	Project Collaborators	Updates
PLANNING / ADMINISTRATION / OVERALL								
GreenStep Cities Step 4	<ul style="list-style-type: none"> • Create process and platform for data collection • Hold kick-off with staff • City-wide data collection • Submit metrics to GreenSteps • Hold debrief meeting with staff • Present findings to leadership <p><i>Goal: Achieve Step 4</i></p>	X		Currently Working On	Inform	Sustainability Coordinator	City Staff	<p>Achieved Step 4!</p> <p>Next Steps: Debrief about Step 4 reporting process. Discuss how data will be used. Schedule time to present award on City Council agenda when Step 4 blocks arrive.</p>
GreenStep Cities Best Practices Documentation	<ul style="list-style-type: none"> • Update Bloomington's GreenSteps Cities reporting page to reflect completed best practices <p><i>Goal: Have at least 90% of completed sustainability best practices documented in GreenSteps by end of 2020</i></p>	NA		Not Started	Inform	Sustainability Coordinator	City Staff	<p>The City has not submitted sustainability best practice actions between 2018-2020 to GreenStep Cities.</p> <p>Next Steps: Review best practices and add action details as needed.</p>
Training on Community Based Social Marketing	<ul style="list-style-type: none"> • Register Sustainability Commissioners for CBSM training workshops • Attend trainings in June • Discuss application of learnings <p><i>Goal: Training and Implementation of Community Based Social Marketing</i></p>			Currently Working On	Collaborate	Sustainability Coordinator	Chair Sandry Commissioner White Commissioner Erdmann	<p>Commissioner Erdmann, Chair Sandry, and Commissioner White will attend the June 15-16 workshop along with Laura Horner, Public Works Project Coordinator and Jack Distel, Water Resources Specialist.</p> <p>Next Steps: Sustainability Coordinator Struss registered staff and Sustainability Commissioners for training.</p>
Community Based Social Marketing Pilot	Pilot to apply learnings from community-based social marketing training			Not Started				<p>At April Sustainability Commission Meeting the Commission decided to start this initiative after June CBSM workshop.</p> <p>Next Steps: Schedule kick off meeting after June 16th.</p>
GreenCorps Application (Sustainability Staffing)	<ul style="list-style-type: none"> • Write application • Coordinate with staff and community partners on application • Apply for GreenCorps intern by March 18th <p><i>Goal: Continue to leverage interns and volunteers</i></p>	X		Currently Working On	Inform	Sustainability Coordinator		<p>The City of Bloomington was notified on 4/29 that Bloomington was selected as a 2020-21 MN GreenCorps host site. Sustainability Coordinator Struss is working on host-site paperwork.</p> <p>Next Steps: Send the MPCA paperwork by June 19th.</p>
City Website Updates	<ul style="list-style-type: none"> • Update the Sustainability Commission webpage with accurate 2020 information • Improve the structure and content to make it easier for businesses and residents to find information 			Currently Working On	Collaborate	Sustainability Coordinator	Sustainability Commissioners MN GreenCorps Member	<p>Sustainability Coordinator Struss requested Sustainability Commissioner bios for the roster on the website. Heard from nine. Waiting on two.</p> <p>Next Steps: SC Struss updates Sustainability Commission webpage once commissioners send their bios.</p>

INITIATIVE	Initiative Description	Kick off Meeting	Close Out Meeting	Status	Type of Engagement	Project Lead	Project Collaborators	Updates
MUNICIPAL / POLICY								
Commercial Building Energy Disclosure	<ul style="list-style-type: none"> Participate in Hennepin County's Efficient Buildings Collaborative by attending three workshops Engage community stakeholders Draft benchmarking policy Get feedback on benchmarking policy from stakeholders Bring proposed policy to Council <p><i>Goal: Benchmarking / Disclosure ordinance passed by Council</i></p>			Currently Working On	Collaborate	Sustainability Coordinator	Chair Sandry Commissioner Flagg Commissioner Strommen City Staff	The second Hennepin County Efficient Buildings Collaborative workshop was held on June 2nd. Sustainability Coordinator Struss worked with energy utilities to continue the process of setting up automatic energy benchmarking. Vice Chair Strommen will provide additional updates at the 6/16 Sustainability Commission meeting. Next Steps: Complete the third planning workshop.
Energy disclosure for renters	Goal: energy disclosure for renters			Not Started				Next Steps: Explore what other communities have done for renter energy disclosure.
1-4 Unit Residential Building Energy Disclosure (Time of Sale)	Goal: Residential Energy Disclosure ordinance passed by Council			Currently Working On		Sustainability Coordinator	Chair Sandry Commissioner Flagg Commissioner Strommen City Staff	Sustainability Coordinator Struss has been in conversations staff. The Center for Energy and Environment offered free consulting services during the research phase of this initiative. Vice Commissioner Strommen will provide additional updates at the 6/16 Sustainability Commission meeting. Next Steps: Commissioner Flagg, Chair Sandry, and Vice Chair Strommen will continue to research what other cities have done with and start drafting recommendations for the Sustainability Commission to consider.
Sustainability Standards for Development (Sustainable Building Policy)	Goal: Ordinance passed by Council requiring Planning & Port Authority to develop a set of sustainability standards for new commercial construction, to be required when possible/feasible. Work with Community Development to complete these.			Currently Working On	Consult	Sustainability Coordinator	Chair Sandry Commissioner Flagg Commissioner Strommen City Staff	The Planning Commission is also exploring sustainability best practices in their 2020 work plan. Next Steps: Learn more about the Planning Commission's work plan.
ENERGY AND CARBON								
COMMERCIAL / INDUSTRIAL / INSTITUTIONAL RESIDENTIAL								

INITIATIVE	Initiative Description	Kick off Meeting	Close Out Meeting	Status	Type of Engagement	Project Lead	Project Collaborators	Updates
<p>Residential Energy Efficiency and Renewable Programs</p> <p>Home Energy Squad</p> <p>Energy Kits</p> <p>Windsource</p> <p>Refrigerator Recycling</p>	<p>Goals: 500 Home Energy Audits -- including participating in the inter-city HESV challenge</p> <p>30 New Wind Source Subscriptions</p> <p>250 households participate in the Refrigerator Recycling program.</p>			Currently Working On	Collaborate	<p>HES Challenge: Chair Sandry</p> <p>Virtual HES/Energy Kits: Sustainability Coordinator</p> <p>Community Outreach Coordinator Smith</p>		<p>Home Energy Squad: In-person visits are available as of June 1st. Free, virtual HES visits are still an option. Information about the Inter City HES Challenge is being shared on the City's social media and website. An article about the Challenge will be in the July Briefing. Next Steps: Continue to promote the Inter City HES Challenge.</p> <p>Energy Kits: Xcel Energy is conducted a pilot in Bloomington in May. Next Steps: Hear the results of the Xcel Energy pilot.</p> <p>Refrigerator Recycling: Program still running during COIVD-19 with curbside pick-up. Chair Sandry researched fridge recycling- promote in Q3 & Q4. Next Steps: Promote program in Q3 & Q4.</p>
<p>Multi-family Energy Efficiency</p>	<p>Goal: 15 Multi-family buildings participate in an audit 10 make significant energy improvements</p>			On Hold	Inform	Sustainability Coordinator		<p>On hold due to COVID-19. Sustainability Coordinator Struss and Deputy Director Biales continue relationship building as able.</p> <p>Next Steps: Sustainability Coordinator Struss and Deputy Director Biales attending Southgate Collective meeting on 5/19.</p>
<p>Reducing Residential Energy Burden in Bloomington</p>	<p>Use data from Bloomington's energy utilities, the City, and DOE's Low-Income Energy Affordability tool to identify residents with the highest energy burdens and work with the HRA and energy nonprofits like CEE to identify how to help residents complete energy-efficiency projects.</p>			Currently Working On		Sustainability Coordinator		<p>Sustainability Coordinator Struss has been working with Bloomington's energy utilities to disaggregate program participation data by Census Tract. Struss held meeting with HRA, outreach staff, and Racial Equity Coordinator on 4/28 to discuss findings. Struss and HRA Program Manager met on 5/14 to discuss air sealing and insulation pilot objectives.</p> <p>Next Steps: Meeting with CenterPoint Energy about insulation rebates on 6/1.</p>
ELECTRIC VEHICLES								
<p>Applying for VW Settlement Money and Participating in Cities Charging Ahead Phase 2</p>				Not Started				<p>At April Sustainability Commission Meeting the Commission decided to work on this initiative between July-Dec 2020.</p>
SOLID WASTE								

INITIATIVE	Initiative Description	Kick off Meeting	Close Out Meeting	Status	Type of Engagement	Project Lead	Project Collaborators	Updates
Grow Participation in the Organics Drop off	Goal: 400 New Households sign up for the program Increase drop-off to 80 tons. July-Dec explore adding an additional drop off site.			Currently working on	Inform	Deputy Director of Public Works Public Works Project Coordinator	Chair Sandry City Councilmember Lowman Commissioner Jaimez Commissioner White	At April Sustainability Commission Meeting the Commission decided to continue to promote participation in Bloomington's organics drop-off program. Modify outreach to reflect COVID-19 needs. Next Steps: Update City website to allow residents to request a free, no-contact, bin drop-off. Promote program using City communication channels. Laura and Ellen discussing a 3rd site. Looking into a keypad entry for drop off sites. Investigating how to reduce contamination.
Virtual Composting Workshop	Meg Hannasch, GreenCorps Member, will develop and deliver a home composting webinar to provide educational support for the organics drop-off program outreach.			Currently Working On		Minnesota GreenCorps Member Public Works Project Coordinator	Deputy Director of Public Works	GreenCorps Member Meg Hannasch lead the final preparations for the composting workshop. Next Steps: Workshop on June 25th at 7:00pm. www.bloomingtonmn.gov/cob/events/online-organics-recycling-101-workshop-2020-06-25
City-wide Curbside Organics Pick-up				Currently Working On		Deputy Director of Public Works Public Works Project Coordinator		Still on backburner until the contract is completed. The contract is close to being finalized. Next Steps: Working on getting garbage contract signed before we start talking about the curbside pick-up.
Increase Sustainability of Spring Curbside Clean-up Program. Continue to explore ways to improve the sustainability of the Spring Curbside Clean-up program.	Detailed proposal and implementation plan that is approved by Council. Implementation plan developed and approved	X		Currently Working On	Collaborate	Deputy Director of Public Works Public Works Project Coordinator	Commissioner Bouta Chair Sandry City Councilmember Lowman Commissioner Jaimez Commissioner White	Updates will be provided by Commissioners White and Jaimez at the 6/16 meeting. Next Steps:
WATER RESOURCES								

INITIATIVE	Initiative Description	Kick off Meeting	Close Out Meeting	Status	Type of Engagement	Project Lead	Project Collaborators	Updates
Promote adopt a Storm Drain	80 Households adopt a drain	NA		Currently Working On		Water Resource Specialist Community Outreach Coordinator Brewster		Next Steps: Water Resource Specialist Distel will introduce himself to the Sustainability Commission at the June meeting .
Commercial / Industrial / Institutional Water Conservation	15 - 20 Businesses participate in a irrigation assessment and improvement program	X		Currently Working On	Collaborate	Deputy Director of Public Works Chair Sandry		Chair Sandry will provide updates at the 6/16 Sustainability Commission meeting. Next Steps:
ECOLOGICAL LAND STEWARDSHIP								
Restoration in the MNRV -- Parkers Picnic Ground	The restoration for phase I is completed and a grant for phase II is submitted			Currently Working On		Commissioner Bouta		Commissioner Bouta shared Conservation Partners Legacy Grant Timeline information with staff on 5/19. Next Steps: Schedule meeting to discuss next steps.
Participate in the updating of the 20 year PARCs plan to help develop the strategies for preserving / restoring high value Natural Open Spaces including: -- Trail and Sign Plan strategy -- Develop outreach programs to educate and address invasive species	Pilot programs identified and implemented			Currently Working On	Consult	Sustainability Coordinator	Commissioner Bouta Chair Sandry Commissioner Erdmann	Commissioner Bouta, Commissioner Erdmann, and Chair Sandry attended a Park, Arts, and Recreation Commission (PARC) meeting on June 10th. Commissioner Erdmann and Commissioner Bouta will provide updates at the 6/16 Sustainability Commission meeting. Next Steps: Provide the Assistant Director of Parks and Recreation with additional information about recommended sustainability best practices to include in the Park System Master Plan.
Trail and Sign Plan strategy for ALL Natural Open Spaces.	Strategy / plan for trail and sign plans for all Natural Open Spaces			Not Started				Not Started. Next Steps: Discuss at June meeting
Develop a restoration and maintenance strategy for all Natural Open Spaces Managed by CofB.	Strategies for restoring / maintaining natural open spaces developed and included in the PARCs master plan			Not Started				Not Started. Next Steps: discuss at June meeting.
Collaborating with Parks and Recreation Communications staff to promote sustainability education in City parks	Incorporating sustainability education into Parks & Rec outreach pieces			Currently Working On				Sustainability Coordinator Struss reached out to Parks and Rec. Deputy Director Renae Clark offered to be the staff liaison to support the integration of sustainability messaging into Parks and Rec outreach and engagement. Next Steps: Provide content and outreach ideas to Parks and Rec.



Commission Agenda Item

Originator Public Works	Item Community Engagement and Outreach Opportunities
Agenda Section STRATEGIC ITEMS	Date June 16, 2020

Requested Action:

Commissioners select the sustainability topic for the September Bloomington Briefing. Commissioners bring forward community engagement and outreach ideas to promote sustainable actions in June and July.

Description:

Commissioners discuss the sustainability topic for the September Bloomington Briefing and bring forward community engagement and outreach ideas to promote sustainable actions in June and July.

Attachments:

[Community Engagement and Outreach Opportunities](#)

Community Engagement and Outreach Opportunities

Bloomington Briefing		
Month	Proposed Topic (Prior to COVID-19)	Details
August	Water Quality	The August Briefing will include an update about the Curbside Clean-up program, the Home Energy Squad Inter-City Challenge, and a water quality article about eutrophication.
September	Environmental Projects in Schools	
October	Adopt a Storm Drain <i>(promoted in May Briefing article)</i> & Watch out for Buckthorn	
November	Save the Food Campaign	
December	What can go in the recycling bin?	

May-June Sustainability Actions to Promote
Ideas from City Staff:
<ul style="list-style-type: none"> • Composting workshop • Adopt a Storm Drain • Virtual Home Energy Squad visits • Free Energy Kits from CenterPoint and Xcel Energy
Ideas from Sustainability Commission:
<ul style="list-style-type: none"> •