ENVIRONMENTAL QUALITY & ENERGY COMMISSION MEETING

January 11, 2022
7:00 PM
Fridley Civic Campus, 7071 University Ave N.E.

AGENDA

Call to Order

Approval of Agenda

Approval of Meeting Minutes

1. Approve the Minutes from the Environmental Quality and Energy Commission meeting of December 14, 2021.

New Business

2. 2022 Planning

Old Business

3. Energy Action Plan Updates
4. 2022 Outreach Events
5. Grant Updates

Other Items

6. Informal Status Reports

Adjournment

AGENDA REPORT

Meeting Date: January 11, 2022

Meeting Type: Environmental Quality and Energy (EQEC) Commission

Submitted By: Rachel Workin, Environmental Planner

Title

Approve the Minutes from the Environmental Quality and Energy Commission meeting of December 14, 2021.

Background

Approve the Minutes from the Environmental Quality and Energy Commission meeting of December 14, 2021.

Recommendation

Approve the Minutes from the Environmental Quality and Energy Commission meeting of December 14, 2021.

Attachments and Other Resources

- Environmental Quality and Energy Commission Minutes- December 14, 2021.

ENVIRONMENTAL QUALITY AND ENERGY COMMISSION

Fridley Municipal Center, 7071 University Ave Ne

MINUTES

December 14, 2021

Location: City of Fridley Civic Campus, Fireside Room

Call to Order

Chair Dritz called the Environmental Quality and Energy Commission to order at 7:02 p.m.

Present: Sam Stoxen, Justin Foell, Nick Olberding, Mark Hansen, Aaron Klemz, Amy Dritz

Absent: Heidi Ferris

Staff: Rachel Workin, Environmental Planner

Adoption of the Agenda

Commissioner Olberding made a motion to adopt the agenda and Commissioner Hansen seconded the motion to adopt the agenda as amended.

MOTION PASSED Unanimously

Approval of Minutes

Commissioner Hansen made a motion to approve the minutes and Commissioner Olberding seconded the motion to approve the minute with the abovementioned correction.

MOTION PASSED Unanimously

New Business

1) 2022 Outreach Events

Ms. Workin shared outreach events to occur in 2022. Commissioners provided input on additional outreach and topics.

Old Business

1) Energy Action Plan Updates

Ms. Workin shared updates toward implementing the energy action plan. Commissioners discussed recent ordinance updates in Bloomington regarding energy visits and benchmarking.

2) Climate Resiliency Planning Grant

Commissioners decided not to apply for a grant this cycle. Staff continues to investigate potential I and I grant.

Other

1) 2022 Speaker Topics

Commissioners discussed potential speaker topics in 2022. Ideas included benchmarking and suburban/urban habitat restoration.

Adjournment

Commissioner Hansen moved to adjourn the meeting and Commissioner Foell seconded the motion. The meeting adjourned at 8:14 p.m.

AGENDA REPORT

Meeting Date: January 11, 2022

Meeting Type: Environmental Quality and Energy (EQEC) Commission

Submitted By: Rachel Workin, Environmental Planner

Title

2022 Planning

Background

The purpose of this item is to discuss planning for EQEC meetings and workplan in 2022. The GreenStep Cities Step 4 and 5 worksheet will be used as a framework. Staff will share data used to complete the worksheet so far.

Recommendation

Commissioners should review and discuss focus areas for 2022.

Attachments and Other Resources

- Step 4 and 5 GreenStep worksheet (can also be found online at https://greenstep.pca.state.mn.us/page/steps-4-and-5
- https://public.tableau.com/app/profile/mpca.data.services/viz/GreenStepCitiesMetrics-2015-2020/Overview allows you to see Step 4 and 5 worksheet results of other cities

Steps 4 & 5 Metrics Worksheet

To be considered for Step 4 or 5, please complete the following metric information into the Step 4/5 Metric Reporting Tool that was emailed to the GreenStep Coordinator.

This is a WORKSHEET only.

The green boxes indicate metrics that are **eligible for Step 5** recognition if a city shows improvement between year 1 and year 2. Category A, B, and C communities should improve upon 3 elegible metrics.

The blue boxes indicate metrics that are used to calculate your **city operations greenhouse gas** inventory. Data entered into these boxes are automatically filled in the last tab of this workbook. The "Total City Operations" number is used for metric 17.5.

CORE metrics are identified in yellow. All metrics listed under a CORE section should be reported by all Step 4 & 5 communities, regardless of Category.

Optional metrics are not considered core and communities may choose to include information under these sections. Category A cities include 5 optional metrics of choice; Category B include 3; Category C do not need to include any additional metrics.

Tips to keep in mind:

- Use the "Notes" column to keep notes for next year
    - Include notes such as who you talked to to gather data, any calculations used, etc.
- There is no need to send us your worksheet - take all the notes you need!
- Use the "justification" box for notes that you want to share with us. Include the metric number/letter and explain if you are using a different unit, calculation, etc.
- Conisder if there are metrics that volunteers can help gather OR if there are metrics that can be combined with neighboring communities to reduce work load.
- Need to change a metric that was reported in a previous year? No problem! Just leave a note in the justification box for us.

How to use Step 4 & 5 metrics:

- Ask GreenStep staff for your data evaluation and see which Step 5-eligible metrics you improved in.
- Share 21 of the key metrics with your commissions, council, and other staff using the Step 4 & 5 Metric Dashboard.
- Use the Climate Metric Tracker which integrates Step 4 & 5 metrics and other goals into a long-term


tep.org

Buildings and Lighting

#1 City Buildings and Lighting CORE		Units	Previous Year Values (edit)	Current Year Values (edit)
For City buildings, use B3 or a similar benchmarking tool to:				
1.1	**kBTU per square foot, per year:**	**kBTU/ft2-year**		
1.2	Dollars spent on energy per square foot, per year:	$/ft2-year		
1.3	Ratio of actual energy use to predicted energy use:	Actual:Predicted		
A. CO_2e	Electricity consumption for all buildings	kWh/Year		
B. CO_2e	Natural gas consumption for all buildings	Therms/Year		

Enter the percent of lighting that uses LEDs for:				
1.4	**Street lights owned by the city & utility**	**% LEDs**		
1.5	Traffic Signals:	% LEDs		
1.6	City buildings and property:	% LEDs		
C. CO_2e	Electricity consumption for streetlights and traffic signals	kWh/Year		

#2 Green Buildings OPTIONAL		Units	Previous Year Values (edit)	Current Year Values (edit)
Public Buildings				
2.1	**Number of city-owned green certified buildings:**	**Number of buildings**		

2.2	Identify specific green building frameworks that have been used for city-owned buildings (e.g. LEED, ENERGY STAR®, etc.):	Program		
2.2a	How many buildings were rated under this program?	Number of buildings		
2.2b	If second rating program was used, enter its name here:	Program		
2.2c	How many buildings were rated under this program?	Number of buildings		
2.2d	List any other green energy building programs that were used and how many buildings were rated under each:	Program		
2.3	Municipal green square footage completed last year:	Square Feet		
2.4	Percent of new municipal square footage that was green building certified in the last year:	%		

Private Buildings				
2.5	**Number of private green certified public buildings:**	**Number of buildings**		
2.6	Identify specific green building frameworks that have been used for private buildings (e.g. LEED, ENERGY STAR®, etc.):	Program		
2.6a	How many buildings were rated under this program?	Number of buildings		
2.6b	If second rating program was used, enter its name here:	Program		
2.6c	How many buildings were rated under this program?	Number of buildings		
2.6d	List any other green energy building programs that were used and how many buildings were rated under each:	Program		

2.7	Private green square footage completed last year	Square Feet		
2.8	Percent of new private square footage that was green building certified in the last year:	%		

Transportation

#3 City Fleets CORE		Units
In consideration of city vehicles:		
3.1	Annual vehicle miles traveled (VMT) for **gasoline** fleet:	Miles per year
3.2	**Average MPG for gasoline fleet**	**Miles per gallon**
3.3	Annual vehicle miles traveled for **diesel** fleet	Miles per year
3.4	**Average MPG for diesel fleet**	**Miles per gallon**
3.5	Number of city-owned/leased **electric vehicles** in city fleet	Number of EVs
D. CO_2e	Gallons of diesel consumed	Gallons/Year
E. CO_2e	Gallons of gasoline consumed	Gallons/Year

F. CO_2e	Gallons of e85 consumed	Gallons/Year

#4 Infrastructure for Walking and Biking OPTIONAL		**Units**
4.1	Miles of new or reconstructed sidewalks & trails completed in the past year	Miles of sidewalk & trails
4.2	**Percentage of housing within 1 mile of a bicycle route**	**%**
4.3a	Walk Score for your city or downtown	Walk score
4.3b	Transit Score for your city or downtown	Transit score
4.3c	Bike Score for your city or downtown	Bike score

#5 Car, Transit, and Bike Options OPTIONAL		**Units**
5.1	**Number of public electric vehicle charging stations:**	**Number of stations**

5.2	Number of public alternative fueling stations (e.g. e85, CNG):	Number of stations
Shared Services		
5.3	Does your city have a bike sharing service? Enter yes or no:	Yes or No
5.4	Does your city enable car or ride-sharing services? Enter yes or no:	Yes or No
5.5	Number of telecommuting businesses/services:	Number of services
5.6	Is the city served by weekday transit? Enter yes or no:	Yes or No
5.7	Does the city have structured transit routes? Enter yes or no:	Yes or No
5.8	Percent of housing units within 3/4 miles of transit routes:	%

#6 Transportation Modes & Miles	**CORE for Category A & B Cities; OPTIONAL for Category C Cities**	**Units**
Vehicle Miles Traveled		

6.1	**City population: Vehicle miles traveled per person, per day:**	**Miles/person/day**
6.2	**City employees in single occupancy vehicles: Vehicle miles traveled per person, per day - round trip:**	**Miles/person/day**
6.3	Percent city population commuting fewer than 20 minutes:	%
6.4	Percent of city employees commuting fewer than 20 minutes:	%
Transportation Mode of Commuters		
6.5	Percent who "drove alone":	%
6.6	Percent using a "carpool":	%
6.7	Percent using "public transportation":	%
6.8	Percent who "walk":	%

6.8a	Percent "bicycling"	%
6.9	Percent who "worked at home":	%

Land Use

#7 Land Use	OPTIONAL	Units
7.1	Percent of land within commercial/mixed zoning districts built with a FAR at/above 1.0	%
7.2	Percent of land within residential or mixed zoning districts with dwelling units per acre at/above 7.0	%
7.3	Net Tax Capacity	Dollars per acre
7.4a	Location affordability index number: housing + transportation (H&T)	%
7.4b	Location affordability index number: housing	%
7.5	Acres of new development on previously developed land	Acres
7.6	**New affordable housing units added as a percent of all new housing units**	**%**

Environmental Management

#8 Open Space, Parks, Trees CORE		Units
Open Space		
8.1	Percent of total city acres in open space:	%
Parkland Quantity and Access		
8.2	Acres of parkland:	Acres
8.3	Percent of housing within 1/2 mile (a 10 minute walk) of parkland:	%
Tree Canopy		
8.4	Percent canopy coverage:	%
8.5	Three most prevalent tree species (by percent genus):	Genus
8.5a	What percent of canopy coverage is made up by the most prevalent genus?	%

8.5b	What percent of canopy coverage is made up by the second most prevalent genus?	%
8.5c	What percent of canopy coverage is made up by the third most prevalent genus?	%
8.6	**Net number of new trees planted:**	**Number of trees**
8.6a	Percent of 8.6 trees that are "likely to thrive"	%

#9 Storm Water	**CORE**	**Units**
9.1	**Assessment number from the GreenStep Municipal Stormwater Management Assessment**	**%**
9.2	**Climate Adaptation Stormwater Score** [collected with 9.1]	**%**

#10 Drinking Water	**OPTIONAL**	**Units**
10.1	**Residential gallons used per person per day**	**Gallons/person/ day**

10.2	**Non-residential gallons used per job per day**	**Gallons/job/day**
10.3a	**Annual city operations gallons: summer (June-October)**	**Gallons/year**
10.3b	**Annual city operations gallons: non-summer (November-May)**	**Gallons/year**
10.4	Ratio of maximum day use to average daily use	Peak:Average
10.5	Annual energy used per million gallons of water distributed	MMBtus
10.6	Annual cost in dollars spent per million gallons of water distributed	$/million gallons
10.7	**Percent of annual losses in drinking water system**	**%**
10.8	Trend of source water levels: falling, stable, or rising	falling, stable, or rising
G. CO_2e	Annual electricity used to treat and distribute water	MWh/Year

H. CO_2e	Annual natural gas used to treat and distribute water	Therms/Year

#11 Waste Water	**CORE**	**Units**
11.1	Residential gallons of waste water produced per person per day	Gallons/person/day
11.2	Non-residential gallons of waste water produced per job, per day	Gallons/ job/day
11.3	Annual energy used per million gallons treated (report only if you own a treatment facility)	MMBtu/million gallons
11.4	Annual energy operating cost in dollars per million gallons treated (report only if you own a treatment facility)	$/Million gallons
11.5	**Ratio of Inflow and Infiltration volume to total volume entering the wastewater collection system**	**I&I:total volume**
I. CO_2e	Annual electricity used to treat wastewater	MWh/Year
J. CO_2e	Annual natural gas used to treat wastewater	Therms/Year

#12 Surface Water OPTIONAL		Units
12.1	Percent of lake, river, and wetland shoreline with at least 50' vegetation buffer	%
12.2a	Percent of water bodies in the city showing at least good clarity readings OR	%
12.2b	Number of citizen lake/river monitors	Number of monitors
12.3	***One city-defined metric or index number concerning surface water*** *(ex. % impaired waters, or other)*	

#13 Solid Waste OPTIONAL		Units
13.1	**Residential solid waste generated per city resident per day:**	**Lbs**
13.2	**Commercial solid waste generated per job, per day:**	**Lbs**
13.3	**Percent of residential solid waste recycled**	**%**

13.4	**Percent of residential solid waste composted**	**%**
13.5	City operations solid waste generated per year	Tons per year
13.6	City operations construction & demolition waste per year	Tons per year
13.6a	What percent of city operations construction and demolition waste is reused?	%
13.6b	What percent is recycled?	%
13.6c	What percent is landfilled?	%
K. CO_2e	City operations landfilled each year	Tons per year
L. CO_2e	City operations incinerated each year	Tons per year

Economic and Community Development

#14 Renewable Energy CORE		Units
14.1	**Number of city-owned and private renewable energy generation sites**	**Number of sites**
14.2	**Generation capacity of city-owned and private renewable energy sites**	**kW**
14.2a	**Storage and off-grid capacity of renewable energy, generated by city-owned and private renewable energy sites**	**kW**
M. CO_2e	Annual production at city-owned renewable energy generation sites	MWhr/year
14.4	**Annual renewable energy purchases for city operations**	**MWhr/year**
14.5	Number of non-city entities participating in renewable energy purchasing/green power programs	Number of entities
14.6	Percent of total city operations energy use that is generated and purchased renewable energy	%

14.7	Percent of total city operations energy use that is purchased from a community solar garden	%

Enter any justification or explanation for variation of metrics:

#15 Local Food	**OPTIONAL**	**Units**
15.1	**Number of local food venues**	**Number of venues**
15.2	Percent of housing within 1 mile of a local food venue	%
15.3	Percent of housing within 1 mile of fresh fruits and vegetables	%

Enter any justification or explanation for variation of metrics:

#16 Jobs & Employment OPTIONAL		Units
16.1	Jobs	
16.2	Employment	
16.3	Income	
16.4	Poverty	

Enter any justification or explanation for variation of metrics:

#17 Climate CORE for Regional Indicator Cities		Units
17.1	**Greenhouse gas emissions from travel**	**Tonnes CO2e**

17.2	**Greenhouse gas emissions from waste**	**Tonnes CO2e**
17.3	**Greenhouse gas emissions from (non-transportation) energy**	**Tonnes CO2e**
17.4	Total citywide GHG emissions	Tonnes CO2e
17.5	Total city operations GHG emissions	Tonnes CO2e

Enter any justification or explanation for variation of metrics:

#18 Additional Metrics **OPTIONAL:** If there are additional metrics your city would like to track, feel free to do so here. The following are some examples of areas that your metrics could address.		**Units**
18.1	**Social vulnerability**	
18.2	**Livability Score**	

18.3	**Civic Participation/ Civic Capital**	
18.4		
18.5		

Enter any justification or explanation for variation of metrics:

AGENDA REPORT

Meeting Date: January 11, 2022

Meeting Type: Environmental Quality and Energy (EQEC) Commission

Submitted By: Rachel Workin, Environmental Planner

Title

Energy Action Plan Updates

Background

At the November 9 meeting, the EQEC recommended adoption of Phase 2 of the Energy Action Plan. The following activities were completed this past month:

- December 15- Planning Commission approval of Phase 2 of Energy Action Plan and MOU
- December 20- City Council approval of Phase 2 of Energy Action Plan and MOU
- January 11- Kick off meeting with Xcel Energy and CEE

The following activities are projected in the next month:

- January 22- Tabling at Winterfest on energy
- Work with CEE to design outreach material for insulation rebate (March rollout)
- Work with CEE to design outreach material for Fire Department Safety Visits
- Upload all City properties into B3 benchmarking system
- Updating GIS records of City lights

Recommendation

Commissioners should review and discuss if there are other activities that should be considered.

Attachments and Other Resources

- None

AGENDA REPORT

Meeting Date: January 11, 2022

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Submitted By: Rachel Workin, Environmental Planner

Title

2022 Outreach Events

Background

Outreach at community events is an important strategy to build environmental awareness and increase engagement. Events that have been completed since the last meeting as well as upcoming outreach events are listed below.

Completed events (1/1-1/11)

- Recycling presentation at Banfill Crossing

Confirmed events and topics

- Recycling Drop-offs (5 in 2022)
- Winterfest (1/22)
    - Smart Salting through Coon Creek Watershed District
    - Energy Action Plan
    - Winter biking webinar (1/19)
- Front Door Grant Open House (2/9)
    - Home Energy Squad
    - Insulation Grant
- Earth Week + Environmental Fun Fair (April 29- May 7)
- Household Hazardous Waste Event (4/30)
    - Recycling

Potential Events

- Concert in the Park series
    - Book and puzzle swap
- Garage Sale
    - Reuse options
- Rain Barrel Workshop
- 49rs Days
    - EV showcase
    - Turf grass trailer

Vision Statement

We believe Fridley will be a safe, vibrant, friendly and stable home for families and businesses.

    - Native Plants?
- Night to Unite
    - Green Block Parties
- Outdoor Latino festival
    - Stormwater
- Community wide clean up (TBD)
- Pumpkin Night in the Park
    - Energy
- Coats from Cops
    - Light bulbs give away

Recommendation

Commissioners should discuss if there are other community events that are a priority, what topics should be highlighted, and if there is an interest in commissioner involvement.

Attachments and Other Resources

- None

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Title

Grant Updates

Background

The purpose of this item is to provide Commissioners updates on sustainability grants held by the City.

Grants in the Pre-Application/Application Stage

- MWMO grant for rain barrel workshop
- SHIP grant for Civic Campus orchard
- SHIP grant for bike fleet (SNC/Recreation)
- Lawns to Legumes Demonstration Neighborhood Grant (ACD grant in partnership with Coon Rapids, and Lino Lakes)

Grants Under Review

- RCWD grant for sumps in Farr Lake neighborhood
- Met Council Climate Mitigation grant for feasibility study of 73rd Ave

Active Grants

- Recycling grant (ongoing)
- CCWD grant for Craig Park improvements
- BWSR/RCWD grant for Moore Lake IESF project
- DNR grant for mitigating impacts of EAB
- RCWD grant for 6 raingardens in Rice Creek Terrace neighborhood
- RCWD grant for road diet on University Ave Service Rd
- Met Council Water Efficiency Grant
- LRIP grant for 53rd Avenue Trail Project
- RS grant for 7th St Trail Project
- University Avenue Lighting Project

Grants Closed (1/1/2021+)

- SHIP grant for wayfinding kiosk

Recommendation

Commissioners should review and discuss if there are other activities that should be considered.

Attachments and Other Resources

- None

AGENDA REPORT

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Title

Informal Status Reports

Background

Staff and Commissioners will share informal status reports on programs happening in the City.

Recommendation

None

Attachments and Other Resources

None