



**Clean Energy Partnership  
Q3 EVAC Meeting  
July 16, 2018**



# Agenda

1. Welcome and Introductions
2. Review and Approve Agenda and Q2 Minutes
3. Report back and Discussion of June 27 Meeting
4. Update on franchise fee increase-enabled 2018 programming
5. 2018 Annual Report Preview
6. “Partnership Activity” draft concepts under development for next work plan



# Report and discussion of June 27 meeting



# Update on franchise fee increase-enabled 2018 programming



## Active / Complete

Item	Status
Community-based organizations contracted in Green Zones for residential EE outreach based on community engagement pilot project recommendations	<ul style="list-style-type: none"><li>• Decided on focus on landlord engagement</li><li>• 2 applications received and have been reviewed</li></ul>
\$0 HES residential visits for Green Zones and income-qualified	<ul style="list-style-type: none"><li>• Available now! Contract finalized last week</li><li>• Outreach rolling out</li></ul>
0% Financing for residential air-sealing and insulation for Green Zones and income-qualified	
Fund 5 business districts / councils through B-TAP program to participate in the "Minneapolis Small Business Energy Initiative"	<ul style="list-style-type: none"><li>• "E-TAP" program has launched</li><li>• Reviewed 6 applications last week</li></ul>

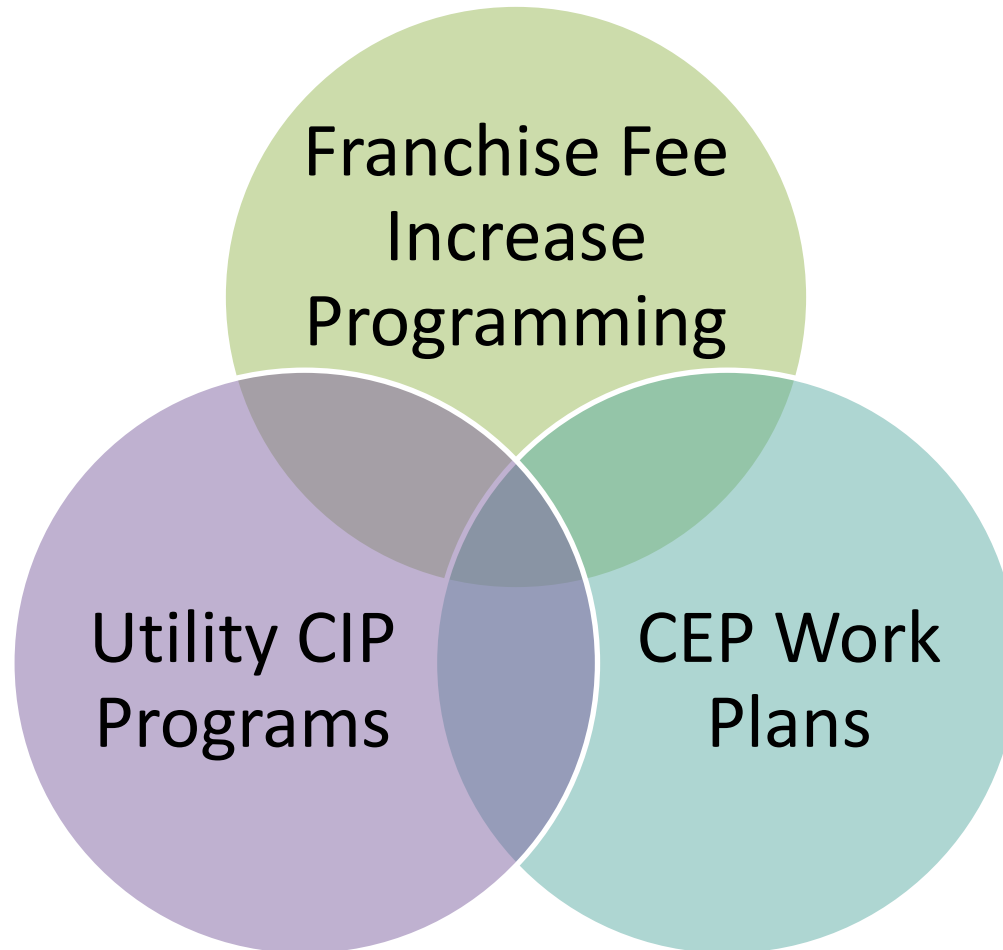


## Active / Complete

Item	Status
Green Cost Share program (Housing); Multifamily Building Efficiency (MFBE) program & single-family homes to leverage City's Lead & Healthy Homes work.	<ul style="list-style-type: none"><li>• Established contracts with CEE including release of energy data</li><li>• 3 Projects for Multi-Family Housing (2 water)</li><li>• 19 Houses in queue (1 daycare project complete)</li></ul>
Green Cost Share program (Housing) for pilot program to utilize Class 4d (low-income rental housing)	<ul style="list-style-type: none"><li>• 10 4d participating buildings</li><li>• 207 affordable units</li><li>• 2 Buildings owners are interested in EE</li></ul>
Green Cost Share program (Business); priority for Xcel's refrigeration program and/or in a Green Zone	<ul style="list-style-type: none"><li>• 69 Business between solar and energy efficiency end of 2017- New in 2018</li><li>• 1,314,901 kWh energy efficiency</li><li>• 7,630,306 kWh solar production</li></ul>

## In Progress

Item	Status
Inclusive Financing Study	<ul style="list-style-type: none"><li>• Held City Council Study Session on May 21</li><li>• U of M's ETL will oversee study</li><li>• Expect master contract between U of M &amp; City complete in ~1 month</li></ul>
Workforce Development Assessment	<ul style="list-style-type: none"><li>• Held multiple work group meetings</li><li>• Decided on renewables focus (100% Renewable Electricity Resolution)</li><li>• Currently finalizing scope of work</li></ul>







# 2018 Annual Report Preview

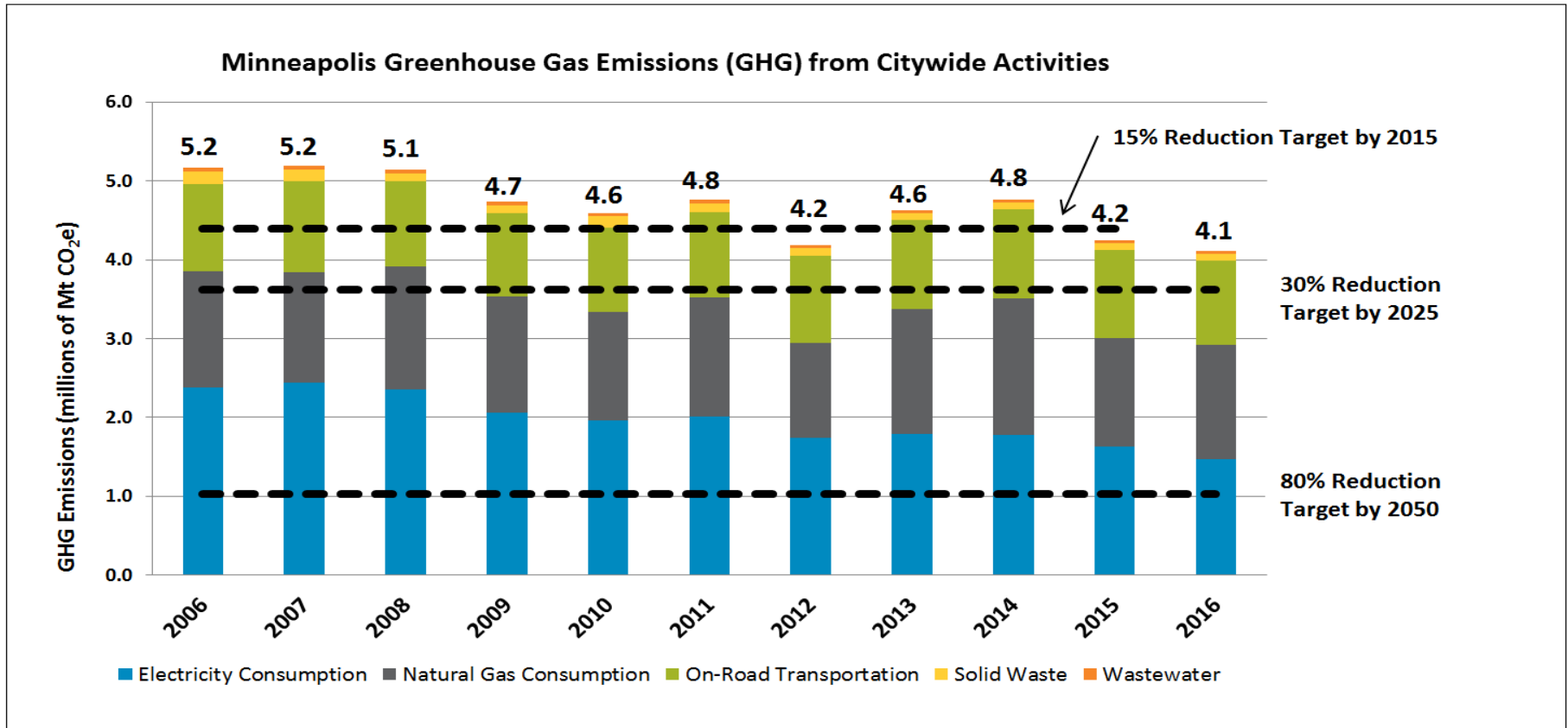
Release Date:  
July 27, 2018 & CEP Board Meeting Presentation



## 2017 Clean Energy Partnership Annual Report

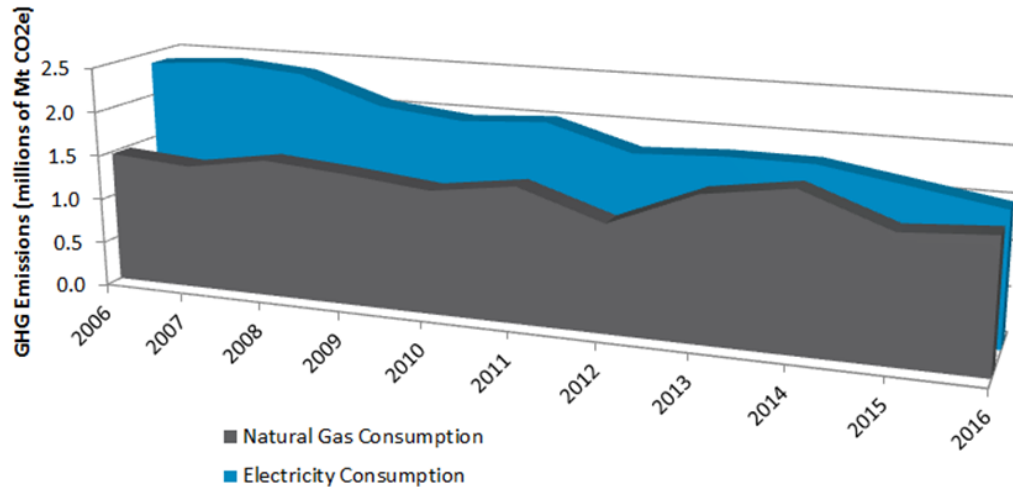
<b>ES</b>	Executive Summary – 2017 Highlights
<b>1</b>	Citywide GHG emissions (electricity & natural gas)
<b>2</b>	Commercial building energy use
<b>3</b>	Residential Building Energy Use
<b>4</b>	Local or directly purchase renewable energy
<b>5</b>	Home Energy Squad Visits
<b>6</b>	Low Income Program Activity
<b>7</b>	Air Sealing/Insulation Activity
<b>8</b>	Multi-Family Building Program Activity
<b>A</b>	2017-2018 Work Plan Activities Progress

# GHG emissions decreased 20.4% in 2016 compared to the 2006 baseline

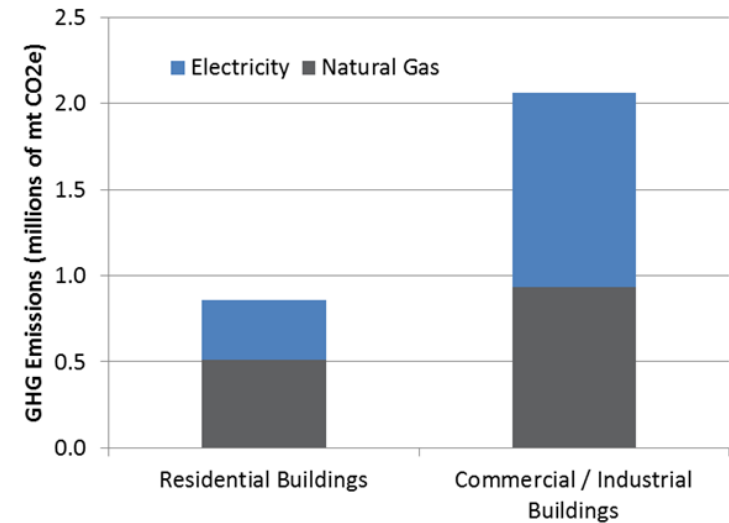


# Natural gas emissions soon to eclipse electricity; residential emissions are 42% of commercial and industrial

Emissions from Electricity and Natural Gas



GHG Emissions by Building Sector





# 2017 Annual Report

## Highlights

- Franchise fee increase approved by City Council; allocated in 2018.
- Barriers & benefits to EE identified for hard-to-reach communities.
- New Tools Underdevelopment:
  - On-Bill Loan Repayment (CenterPoint Energy)
  - Energy Data Aggregation (CenterPoint Energy)
  - Small Business Refrigeration Program (Xcel Energy)
- Conservation Improvement Programs (CIP) Minneapolis 2017 results:
  - ≈ 98,660 metric tons of carbon dioxide saved (2.4% 2016 emissions)
  - ≈ \$12 million saved by customers



## Annual Report

Looking Ahead:

- Evaluate metrics
- Align metrics with City climate & energy goals
- Communicate trends and trajectories w/ new visuals
- Report progress on Work Plan Activities



**“Partnership Activity” draft concepts  
under development for next work plan**



## Work Plan Development Process

2018 Quarter	Development Process	Responsible Party
1	<ul style="list-style-type: none"><li>Develop and approve Board Priorities and Approaches</li></ul>	Board
2	<ul style="list-style-type: none"><li><b>Brainstorm Partnership Activities that align with Board Priorities, Approaches, and Principles.</b></li><li>Consider and analyze EVAC ideas</li><li>Develop 2-3 Partnership Activities per Board Priority</li></ul>	EVAC Planning Team
3	<ul style="list-style-type: none"><li><b>Provide feedback on Partnership Activity draft concepts</b></li><li>Present Partnership Activity draft concepts with EVAC feedback to Board for review</li><li>Revise and further develop Partnership Activity draft concepts based on Board Feedback</li></ul>	EVAC Planning Team
4	<ul style="list-style-type: none"><li><b>Provide Feedback on proposed Partnership Activities</b></li><li>Consider approval of proposed Work Plan with Partnership Activities</li></ul>	EVAC Board





## “Partnership Activity” draft concepts under development

### Energy Efficiency

Conduct a research effort to identify high residential natural gas users and the contributing factors of high usage. Develop and pilot individually customized strategies and more accessible marketing materials to dramatically increase residential energy efficiency with a focus on building envelope upgrades.

Create a commercial office building sector cohort to realize significant energy conservation by targeted and measurable outreach efforts to buildings with the highest energy use intensity and highest energy use.

Pursue new “Performance Path” to Energy Efficiency for City facilities by providing discrete bundles of service according to progression in energy management.



## “Partnership Activity” draft concepts under development

### Renewable Energy

Conduct an Xcel EV Infrastructure pilot with City fleet vehicles and maximize renewable electricity consumption based on actual and modeled renewable resource production.

Create a pathway for meeting the City’s 100% renewable electricity enterprise goal after the current Renewable\*Connect tranche subscriptions expire while meeting the City’s priorities. Include a potential to expand citywide, helping to reaching the community-wide goal.

Add 4D NOAH participation as eligibility criteria to upcoming Low Income Solar\*Rewards program with a focus on Minneapolis outreach and promotion.



# “Partnership Activity” draft concepts under development

## Inclusive Financing

\*\*\*Q3 Board meeting will feature reporting back on legislative and regulatory pathways

The following definition of inclusive financing was adopted at the Q2 Board meeting:

“Inclusive financing allows direct investment in resource efficiency upgrades on the customer side of the meter through an on-bill approach regardless of the customer’s income, credit score, or renter/owner status. Under this definition debt is not accrued by the customer.”

Advocate for inclusive financing at the State Legislature and/or Public Utilities Commission, if inclusive financing is determined to be feasible and can reasonably favor customers.

Develop an inclusive financing pilot project, if it is determined to be legally feasible and reasonable for the implementer and their customers.



## Large Group

- Reviewing the list in its entirety, what is your feedback?
- Do these actions take meaningful steps toward meeting the City's climate and energy goals?
- Do you have any specific questions or feedback regarding inclusive financing?



## 2 Small Groups - Renewable Energy and Energy Efficiency

- Do you have more detailed questions or feedback on specific concepts?
- Are there considerations you want the Planning Team and Board to keep in mind as we further develop these specific concepts?



**Adjourn**



# Supplemental Slides



## Two Types of Activities

Partnership Activities	Potential Collaboration Activities
<p>A Partnership activity:</p> <ol style="list-style-type: none"><li>1. Helps the City reach its Climate Action Plan and Energy Vision for 2040 goals,</li><li>2. Initiates an action that would not happen absent the Partnership,</li><li>3. States roles for the City and at least one utility, and</li><li>4. Identifies a lead Partner.</li></ol>	<p>The Partners may identify certain individual Partner activities that clearly advance the City’s climate and energy goals and may become areas of future collaboration.</p> <p>Previously existing and/or new utility programs near deployment may be considered for this section with a planned collaborative effort to leverage the Partners’ resources.</p> <p>These collaboration items may fully develop and become priority initiatives of the Clean Energy Partnership, turning into Partnership activities.</p>

Adopted by Board on Dec. 19, 2017. Priority will be given to accomplishing and reporting on Partnership activities over the course of a work plan timeline.



## CEP Board Priorities for the Next Work Plan

### Description:

#### Priorities

- Lower Energy Consumption in all building sectors
- Make clean energy accessible through inclusive financing tools
- Make the City more sustainable and resilient through increased local renewable energy

#### Approaches

- As a partnership, make requests of the State and PUC
- Consider ROI and Equity of Energy Efficiency efforts
- Leverage partners' respective strengths
- Clarify CEP roles and prioritize goals and activities

CEP Work Plan priorities and approaches approved on March 15, 2018.



## EVAC Input at Q2 Meeting:

### Energy Efficiency

- Leverage each partner's data resources to target inefficient commercial buildings
- Enable energy use data access through expanded benchmarking ordinance or point-of-use sale
- Continue existing efforts, such as: Health Department Green Business, CPED's E-TAP, and residential Community Engagement.

## EVAC Input at Q2 Meeting:

### Renewable Energy

- Pursue a universal city-wide clean electricity program (with customer opt-out)
- Accelerate solar development within Minneapolis
  - Bulk purchasing
  - Collaborate with business sector to install solar for large commercial
  - Incentivize urban hosts of community solar
  - Incentivize solar, especially for low income and green zones
  - Implement solar advisor model
- City develops its own renewable electricity



## EVAC Input at Q2 Meeting:

### Inclusive Financing

- Pursue Pay-As-You-Save Model, possible target in the Green Zones
- Establish Loan Loss Reserve
- Buy down interest rates and loan amounts
- Lower credit requirements
- Point of Sale discounts for EE appliances