



Clean Energy Partnership Q4 Board Meeting November 8, 2018



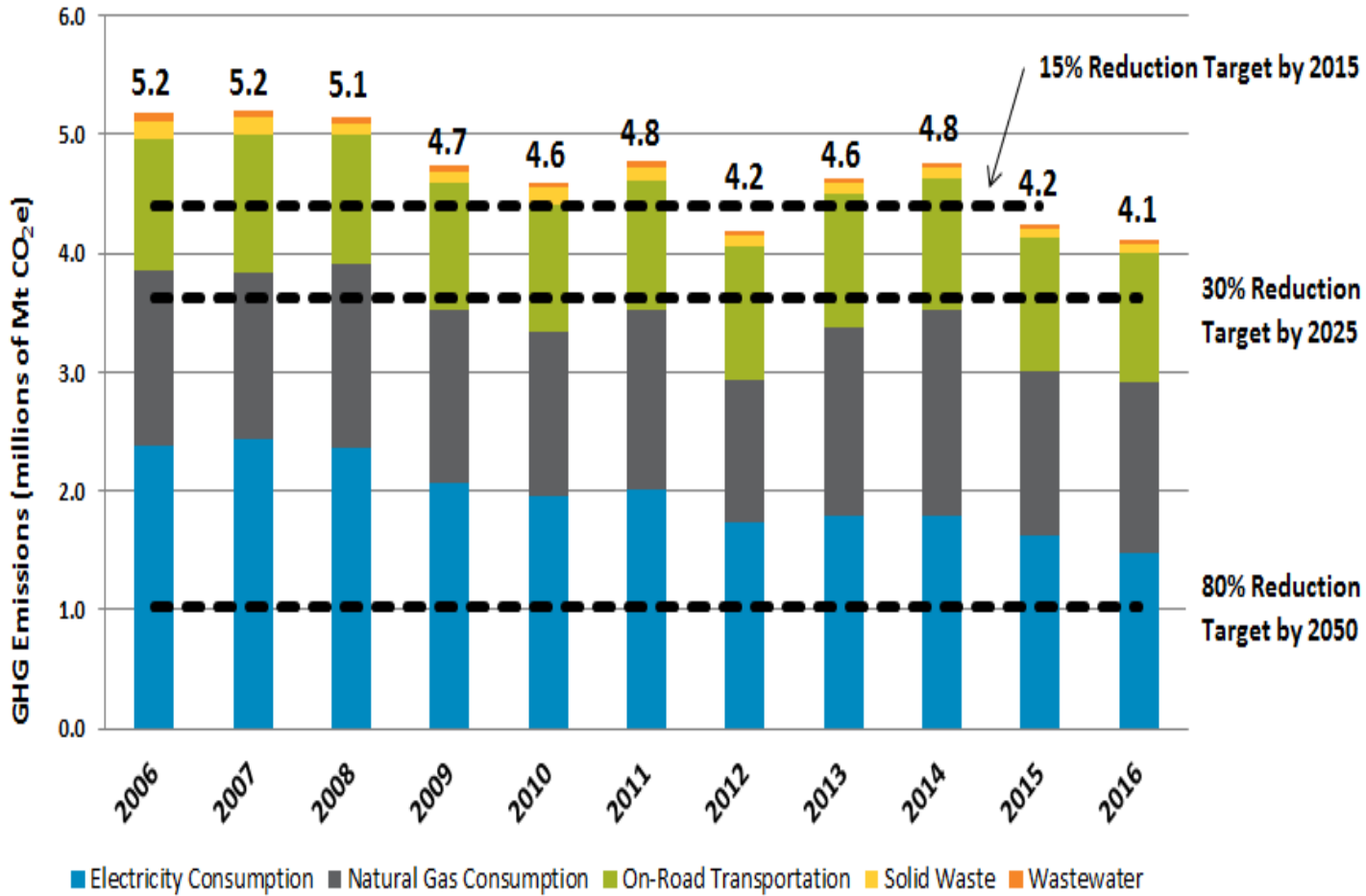
Agenda

1. Welcome and Introductions
2. Review and Approve Agenda and Q3 Minutes
3. Board Updates
4. 2019-2021 Work Plan Presentation & Discussion
5. Updates



2019-2021 Work Plan Presentation & Discussion

Minneapolis Greenhouse Gas Emissions (GHG) from Citywide Activities



2016-2025
Reduction
Requirement:
Natural Gas:
152,000 MTCO₂e
Electricity:
158,000 MTCO₂e

Work Plan Development

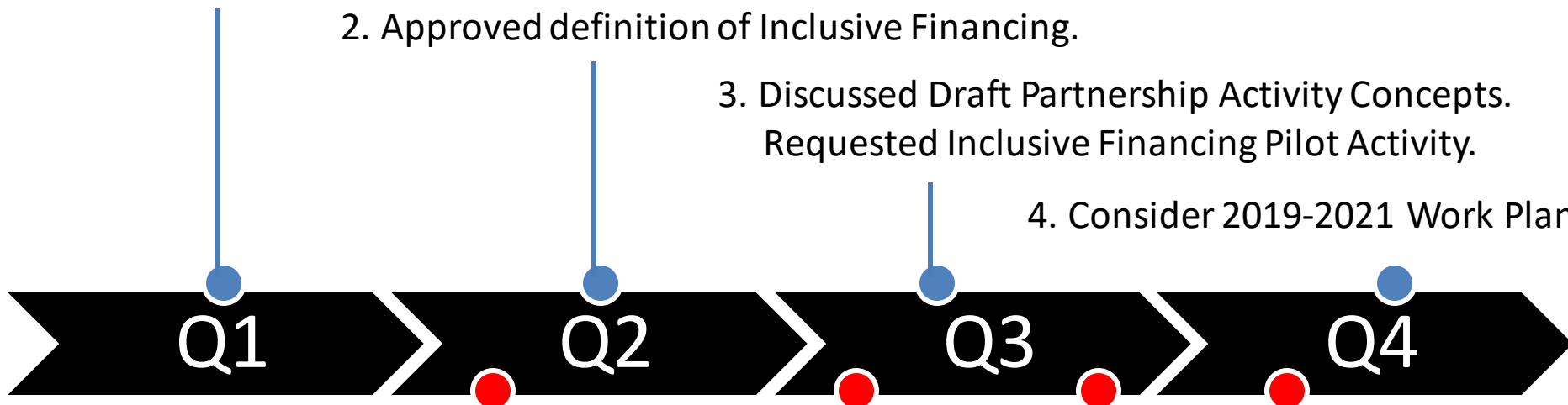
Board Action:

1. Adopted CEP Priorities & Approaches for next Work Plan.
Directed Planning Team to develop potential Partnership Activities for each priority.

2. Approved definition of Inclusive Financing.

3. Discussed Draft Partnership Activity Concepts.
Requested Inclusive Financing Pilot Activity.

4. Consider 2019-2021 Work Plan



● EVAC Review & Input

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.

Work Plan Content (Example)

EE.1: REDUCE NATURAL GAS USE FOR RESIDENTIAL CUSTOMERS

SUMMARY

DESCRIPTION

- Roles & Responsibilities

ANTICIPATED IMPACT

- GHG Savings
- Energy Savings
- Equity & Workforce Impact

ESTIMATED TIMELINE

- Key Milestones & Supporting Efforts

Key Takeaways	
Project Lead	CenterPoint Energy
Primary/Secondary Support	City of Minneapolis
Customer Segment	Residential
GHG Reduction	2,280 MTCO ₂ e
Equity Element	Yes
Workforce Element	TBD



Overview of EVAC feedback

- On [May 7, 2018](#), **EVAC first provided Partnership Activity ideas** relevant to the Board-approved priorities for consideration in the work plan.
- On [July 16, 2018](#), the **Planning Team returned to EVAC for feedback** of an initial draft of potential Partnership Activity concepts.
- **Six EVAC members** met again on September 17, 2018 to **offer additional criteria** to incorporate into the work plan.
- On September 28, 2018, the **Planning Team released Draft Partnership Activity Summaries** for review and received EVAC feedback and recommendations on [October 9, 2018](#).



“Need to have” criteria for how to present the activities (to aid with evaluation):

- All activities should have metrics tied to overall GHG savings, Climate Action Plan and Energy Vision.
- Every activity should have one or more specified outcomes tied to CAP and Energy Vision, and directly identify equity and workforce participation opportunities, when appropriate.
- If an activity is not highly ambitious, then the proposal should identify how the activity gets us to the next step toward highly ambitious activities.
- All activities should have defined audiences and geographies. (Note: utilities are required to provide equitable service to full customer base; pilots are one strategy to address this).



“Need to have” criteria that should be reflected in the final package of workplan activities:

- Energy efficiency should be a major component of the package
- Package should expect to generate significant energy and cost savings for residents and businesses, with a focus on marginalized energy users.
- Package should be balanced by customer sector
- Package should be balanced by energy type (e.g., electricity, natural gas, transportation).
- Activities should not be in conflict with utility regulatory requirements.
- Activities should leverage community engagement practices (previously developed by EVAC and the CEP) and the new opportunities where applicable.
- The workplan term should be sized appropriately to facilitate the best progress, with consideration to EVAC terms and associated opportunity for input.



Recommendations from Q4 EVAC meeting regarding Draft 2019-2021 Work Plan

1. Proposed Work Plan activities should demonstrate a greater level of ambition and innovation, in consideration of achieving GHG reductions. Activities that are a pilot or one-time project should have a clear purpose that leads to larger scale impacts over time.
2. Partners should adopt a net new activity – “WD.1” -- to collaborate with educational institutions (high schools, trade schools, community colleges, etc.) to develop clean energy job training programs, and job pipelines.

(continued from previous page)

3. The Work Plan should include the following structural elements:
 - a. A key for the given metrics
 - b. EVAC criteria and Board criteria for work plan items
 - c. Performance metrics in the anticipated impact table for each work plan item should include a description of each item
 - d. A wedge chart or graphic showing:
 - i. Comparison of current GHG trajectory to goals
 - ii. How does each item contribute towards meeting goals
 - iii. How do Collaboration activities contribute towards goals
 - iv. How outside forces contribute towards goals

(continued from previous page)

3. (continued) Include the following structural elements:

e. A table for each Work Plan item that describes how annual impact correlates to an existing target (eg. fuel use, workforce)

f. A clear definition of each Work Plan item's level of ambitiousness in terms of:

i. Will this close the 2025 GHG gap? How much?

ii. How does it compare to other U.S. municipalities?

iii. Does this fill in gaps that are needed and not currently addressed by others

iv. How will this amplify complementary non-Partnership efforts to achieve the above ambitions?

g. List relevant collaboration activities for each work plan



	Social Benefits				Energy Savings		GHGs Savings	
	EQUITY IMPACT	WORKFORCE IMPACT	PARTICIPANTS	CUSTOMER COST SAVINGS/REVENUE (\$)	NATURAL GAS SAVINGS (DTH)	ELECTRICITY SAVINGS (MWH)	NG GHG SAVINGS (MT CO2)	ELECTRICITY GHG SAVINGS (MT CO2)
2019-2021 Partnership Activities: ENERGY EFFICIENCY								
EE.1 REDUCE NATURAL GAS USE FOR RESIDENTIAL CUSTOMERS	Yes	TBD	4,500	\$280K	43,000	TBD	2,280	TBD
EE.2 REDUCE ENERGY USE FOR HIGH ENERGY SAVING POTENTIAL COMMERCIAL CUSTOMERS	TBD	TBD	35	TBD	21,000	10,000	1,100	4,000
EE.3 PURSUE ENERGY EFFICIENCY “PERFORMANCE PATH” AT CITY FACILITIES	TBD	TBD	1	TBD	TBD	11,000	TBD	4,500
EE. 4 FIELD TEST ENERGY EFFICIENCY AND CARBON CAPTURE TECHNOLOGY	No	TBD	1	\$2,600	5	TBD	10	TBD
EE. 5 SUPPORT RESIDENTIAL ENERGY DISCLOSURE POLICIES BY MAKING DATA ACCESSIBLE WITH TOOLS	Yes	TBD	TBD	n/a	n/a	n/a	n/a	1-2%/year



	Social Benefits				Energy Savings		GHGs Savings	
	EQUITY IMPACT	WORKFORCE IMPACT	PARTICIPANTS	CUSTOMER COST SAVINGS/REVENUE (\$)	NATURAL GAS SAVINGS (DTH)	ELECTRICITY SAVINGS (MWH)	NG GHG SAVINGS (MT CO2)	ELECTRICITY GHG SAVINGS (MT CO2)
2019-2021 Partnership Activities: RENEWABLE ENERGY								
RE. 1 INSTALL ELECTRIC VEHICLE INFRASTRUCTURE FOR CITY FLEET	No	TBD	80	\$528K	n/a	n/a	n/a	1,008
RE. 2 ACHIEVE 100% RENEWABLE ELECTRICITY FOR CITY ENTERPRISE AND COMMUNITY PATHWAY	Yes	Yes	n/a	n/a	n/a	n/a	n/a	24,000
RE. 3 PROVIDE SOLAR GARDEN AND ENERGY EFFICIENCY OPPORTUNITIES FOR LOW-INCOME COMMUNITIES	Yes	TBD	200	TBD	TBD	1,100	TBD	1,000



2019-2021 Partnership Activities: RENEWABLE ENERGY	Social Benefits				Energy Savings		GHGs Savings	
	EQUITY IMPACT	WORKFORCE IMPACT	PARTICIPANTS	CUSTOMER COST SAVINGS/REVENUE (\$)	NATURAL GAS SAVINGS (DTH)	ELECTRICITY SAVINGS (MWH)	NG GHG SAVINGS (MT CO2)	ELECTRICITY GHG SAVINGS (MT CO2)
WD.1 IMPROVE EQUITABLE ACCESS TO CLEAN ENERGY JOBS	Yes	Yes	TBD	TBD	TBD	TBD	TBD	TBD

SUMMARY

Partners will review findings from the Workforce Development Assessment and stakeholder input to execute activities that improve equitable access to clean energy jobs. Partners will consider resources and opportunities to address equity and workforce needs as part of each Work Plan Partnership Activity.

Key Takeaways	
Project Lead	City of Minneapolis
Primary/Secondary Support	Xcel Energy /CenterPoint Energy
Customer Segment	Residential
GHG Reduction	TBD
Equity Element	Yes
Workforce Element	Yes



	Social Benefits				Energy Savings		GHGs Savings	
	EQUITY IMPACT	WORKFORCE IMPACT	PARTICIPANTS	CUSTOMER COST SAVINGS/REVENUE (\$)	NATURAL GAS SAVINGS (DTH)	ELECTRICITY SAVINGS (MWH)	NET GHG SAVINGS (MT CO2)	ELECTRICITY GHG SAVINGS (MT CO2)
2019-2021 Partnership Activities: RENEWABLE ENERGY								
IF.1 IMPROVE ACCESS TO ENERGY EFFICIENCY BY PROVIDING INCLUSIVE FINANCING	Yes	TBD	TBD	TBD	TBD	TBD	TBD	TBD

SUMMARY

The Partnership commits to an inclusive financing (IF) pilot program to help customers overcome barriers to financing home energy upgrades.

Key Takeaways	
Project Lead	CenterPoint Energy
Primary/Secondary Support	City of Minneapolis
Customer Segment	Residential
GHG Reduction	TBD
Equity Element	Yes
Workforce Element	TBD



Adjourn



Supplemental Slides



Two Types of Activities

Partnership Activities	Potential Collaboration Activities
<p>A Partnership activity:</p> <ol style="list-style-type: none">1. Helps the City reach its Climate Action Plan and Energy Vision for 2040 goals,2. Initiates an action that would not happen absent the Partnership,3. States roles for the City and at least one utility, and4. Identifies a lead Partner.	<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.



Work Plan Development

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