



**Clean Energy Partnership  
Q3 EVAC Meeting  
August 30, 2022**



# Agenda

1. Welcome & Introductions (Patty)
2. Approve Q3 Agenda and Q2 Meeting Notes (Patty)
3. EVAC's Community Engagement Proposal
4. 2022-2023 Work Plan Themes 1 and 2 - Approved by Board (Luke and Dan)
5. 2022-2023 Work Plan Theme 3 – In Progress (Kat and Luke)
6. Partner Updates



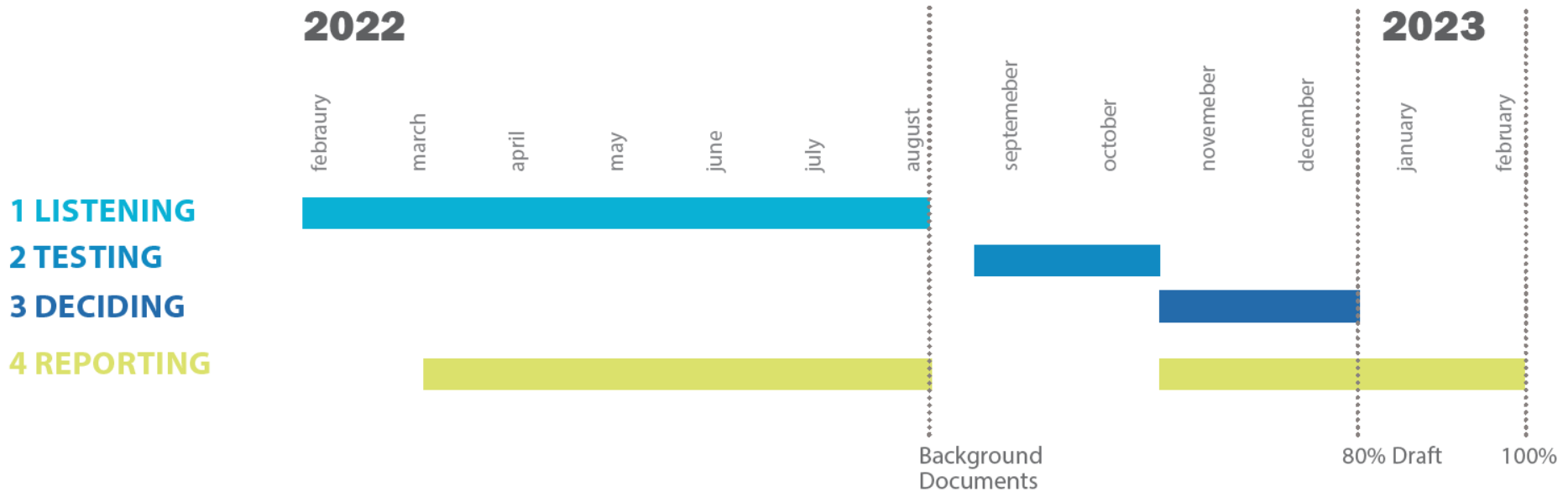
# EVAC's Community Engagement Proposal



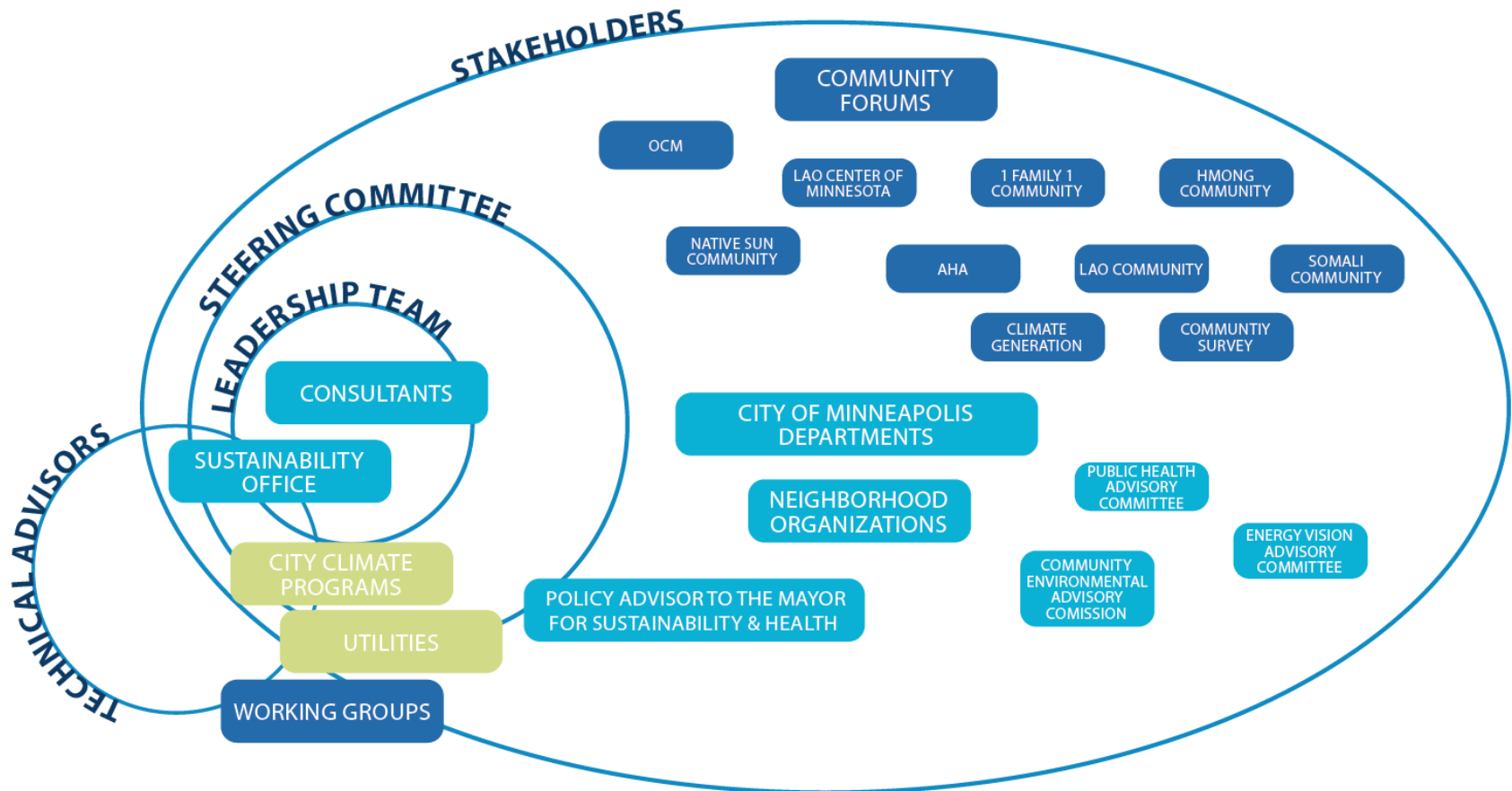
## How the Partners are Incorporating Recommendations

- Xcel Energy
- CenterPoint Energy
- City of Minneapolis

# Climate Equity Plan Update Process



# Climate Equity Plan Update Process

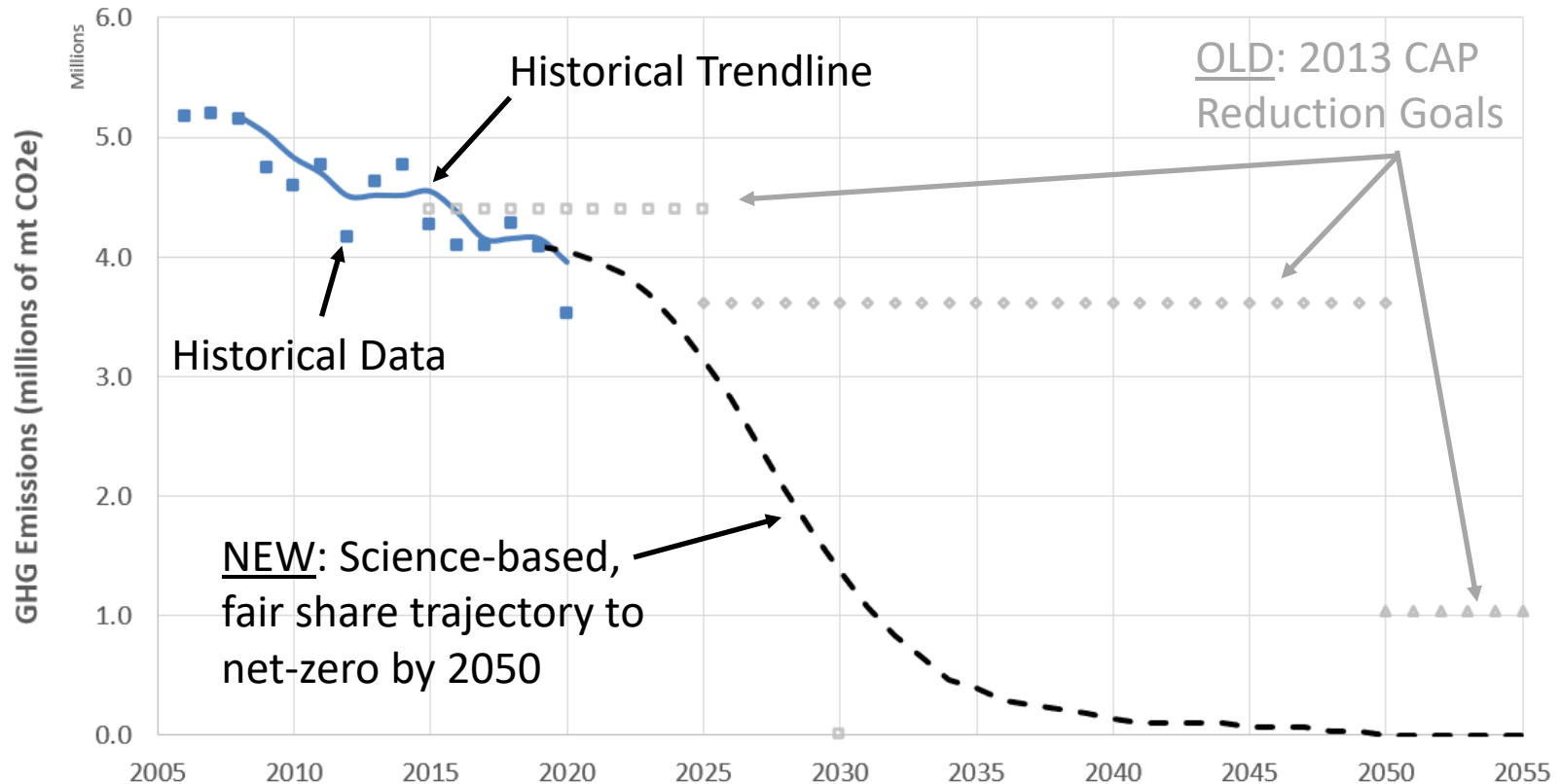




# 2022-2023 Work Plan

# Framing: City is calling for increased climate action, particularly this decade, to reach net-zero by 2050

Minneapolis Community-wide GHG Emissions - Historical, Trend, and Science-based Fair Share Target







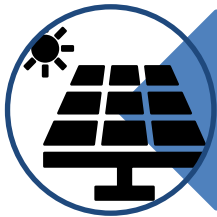
## **Framing: New electrification and energy efficiency tools can be available starting this year**

Guidance and rules are being developed by the state for implementation of new programming enabled by ECO Act and NGIA (Ongoing in 2022)

## 2022-2023 Work Plan Features 3 Themes that emerged from Board, EVAC, and internal engagement since Fall 2021



DECARBONIZE HOMES VIA ELECTRIFICATION & ENERGY EFFICIENCY RETROFITS



EQUITABLY ACCELERATE IN-BOUNDARY SOLAR IN SUPPORT OF THE CITY'S 2030 GOAL OF 30% DISTRIBUTED SOLAR



IMPACTFUL REDUCTIONS IN COMMERCIAL AND INDUSTRIAL BUILDING GAS USE



## Theme 1: DECARBONIZE HOMES VIA ELECTRIFICATION & ENERGY EFFICIENCY RETROFITS



Summary: Jointly increase existing efforts, launch new efforts, and integrate across programming to launch electrification programming and accelerate energy efficiency retrofits in Minneapolis.

Lead Facilitator: City of Minneapolis

Activity: To advance residential electrification and energy efficiency, the City will create a:

1. **Home electrification guide** for motivated homeowners
2. **Programmatic concept and roadmap for comprehensive home energy efficiency and electrification** in collaboration with stakeholders (such as the utilities, EVAC, and interested members of the Peer Learning Energy Efficiency Cohort and Minneapolis Green Zones Initiative) and incorporating community co-benefits
3. **Pilot scope** needed to transition from the current state of home energy retrofits to the created concept

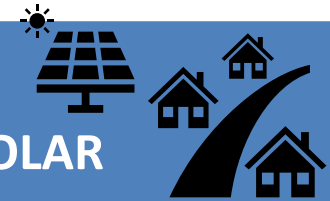


## Theme 1 Next Steps:

- City of Minneapolis has contracted with CEE to facilitate this work.
- CEE and the City had a kick-off meeting today.
- Development of the electrification guide will begin immediately
- Task Force will begin shortly to develop programmatic concept and roadmap for comprehensive home energy efficiency and electrification
  - Look for invitations to those who expressed interest in this theme at the Q2 EVAC meeting



## Theme 2: EQUITABLY ACCELERATE IN-BOUNDARY SOLAR IN SUPPORT OF THE CITY'S 2030 GOAL OF 30% DISTRIBUTED SOLAR



Summary: Collaborate to create an environment that removes barriers, innovates, and fosters new development.

Lead Facilitator: Xcel Energy

### Activities:

- A. Municipal Operations Renewable Electricity**: Xcel Energy will collaborate with the City to explore novel options for how municipal operations can be served by, or receive the attributes of, new renewable electricity generation.
- B. Resilient Minneapolis Project**: Demonstrate the technical and market potential for co-installation of solar photovoltaic microgrids with backup battery storage to increase community resiliency through pilot projects at three Mpls locations
- C. In-boundary Solar Task Force**: Convene the City, Xcel Energy, and EVAC members in an intentional stakeholder process to explore opportunities to equitably expand access to and accelerate adoption of in-boundary solar, and renewable electricity more broadly.



## Theme 2 Next Steps:

- Kick off meeting for the in-boundary solar task force scheduled for Sept. 16.
- Work is ongoing to implement the Resilient Minneapolis Project



## Theme 3: IMPACTFUL REDUCTIONS IN COMMERCIAL AND INDUSTRIAL BUILDING GAS USE



Summary: Increase existing efforts and launch new ones to accelerate GHG reduction from gas usage in the C/I sectors, the largest user of energy in Minneapolis and therefore the largest emitting fuel source in the City.

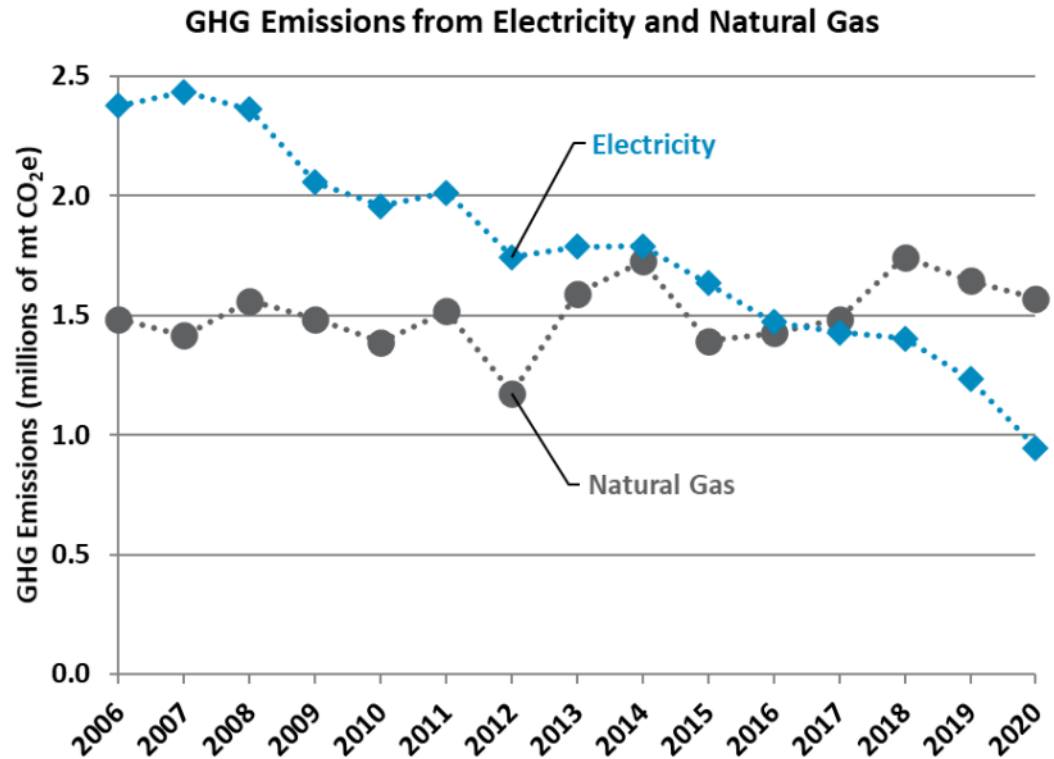
Lead Facilitator: CenterPoint Energy

### Activities:

- A. Leverage Existing Partnership Resources:** CenterPoint and the City commit to increase participation and energy savings through CIP and decrease GHG emissions from C/I buildings within the City.
- B. New Electrification and Decarbonization Opportunities:** CenterPoint will partner with Hennepin County to develop, evaluate, and consider opportunities to decarbonize their downtown district energy center (adjacent to US Bank Stadium).
- C. TBD for Q3 Board Meeting: Additional action on GHG reductions led by CenterPoint**

## City Commentary from Q2 Board Meeting

- Gas emissions are still increasing, bending the curve down must begin immediately
- This requires real emissions reduction action now, not just the intent for future ideas and solutions



CEP's [2020 Annual Report](#)





## City Commentary from Q2 Board Meeting

For Theme 3 to Meet the Moment, it must have:

1. A CenterPoint commitment to a tangible, impactful action during 2022/2023 that results in near-term GHG savings
2. A CenterPoint energy savings goal for C/I sectors by 2023 that reflects the urgency and ambition needed for our climate emergency



# **Work Plan Theme 3 Update:**

## **Impactful Reductions of Natural Gas Use in the Commercial/Industrial Sector**



## Commercial & Industrial

- Commercial – office, apartment, governmental, restaurants, multi-use
- Industrial – power generation\*, use of natural gas to produce a product (as in manufacturing)

\* Excluded from Theme 3 discussion



## Theme 3: IMPACTFUL REDUCTIONS IN COMMERCIAL AND INDUSTRIAL BUILDING GAS USE



Summary: Increase existing efforts and launch new ones to accelerate GHG reduction from gas usage in the C/I sectors, the largest user of energy in Minneapolis and therefore the largest emitting fuel source in the City.

Lead Facilitator: CenterPoint Energy

### Activities:

- A. Leverage Existing Partnership Resources:** CenterPoint and the City commit to increase participation and energy savings through CIP and decrease GHG emissions from C/I buildings within the City. **The additional action supports Activity A rather than being a separate initiative.**
- B. New Electrification and Decarbonization Opportunities:** CenterPoint will partner with Hennepin County to develop, evaluate, and consider opportunities to decarbonize their downtown district energy center (adjacent to US Bank Stadium).
- ~~**C. TBD for Q3 Board Meeting: Additional action on GHG reductions led by CenterPoint**~~



## Activities:

**A. Leverage Existing Partnership Resources:** CenterPoint and the City commit to increase participation and energy savings through CIP and decrease GHG emissions from C/I buildings within the City.

- a. **Develop and implement a collaborative, comprehensive effort** leading C/I properties along a **pathway of energy savings services**. This "New Normal" effort acknowledges the pandemic's substantial impact on businesses/buildings, encouraging energy analysis, system-focused recommissioning, and equipment replacement in both benchmarked and smaller C/I properties in Minneapolis.
- b. **Identify and help a Minneapolis C/I customer** with significant natural gas usage achieve their Corporate Environmental and Sustainability Goals (ESGs) with the aim of scaling up business partnerships around achieving shared sustainability goals.



## Activities:

### **B. New Electrification and Decarbonization Opportunities:**

CenterPoint will partner with Hennepin County to develop, evaluate, and consider opportunities to decarbonize their downtown district energy center (adjacent to US Bank Stadium).

- a. District Energy in Minneapolis: CenterPoint will partner with Hennepin County and the City of Minneapolis to **develop, evaluate, and consider opportunities to decarbonize** their downtown district energy center. As a first step, CenterPoint Energy anticipates **providing funding support** to Hennepin County-led efforts to identify and consider decarbonization strategies.
- b. CenterPoint Energy will also use the PUC-established carbon accounting and cost-benefit frameworks and a stakeholder engagement process to **vet potential District Energy pilot(s)** located in Minneapolis to include in the Company's **first Innovation Plan** anticipated in Q1 2023.



# The “New Normal” Effort



## The “New Normal” effort: develops and implements a collaborative, comprehensive effort leading C/I properties along a pathway of energy savings services.

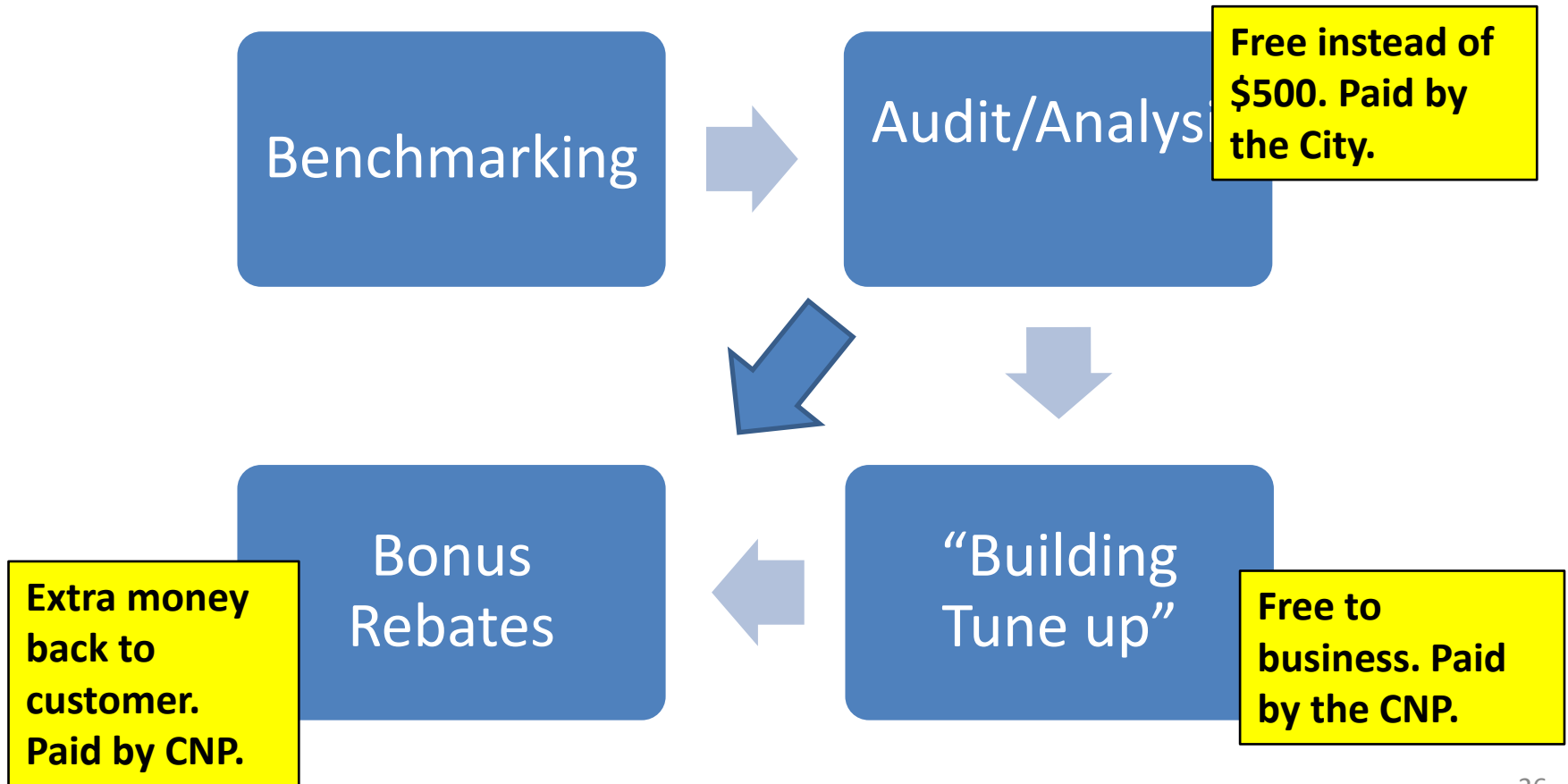
- Creates a framework for energy analysis & energy savings
- Funded by both City & CenterPoint Energy
  - City (as budget allows): audit/analysis
  - CNP: system-focused recommissioning/building tune up & bonus rebates
- Building tune up: used when property has Building Automation System (BAS)



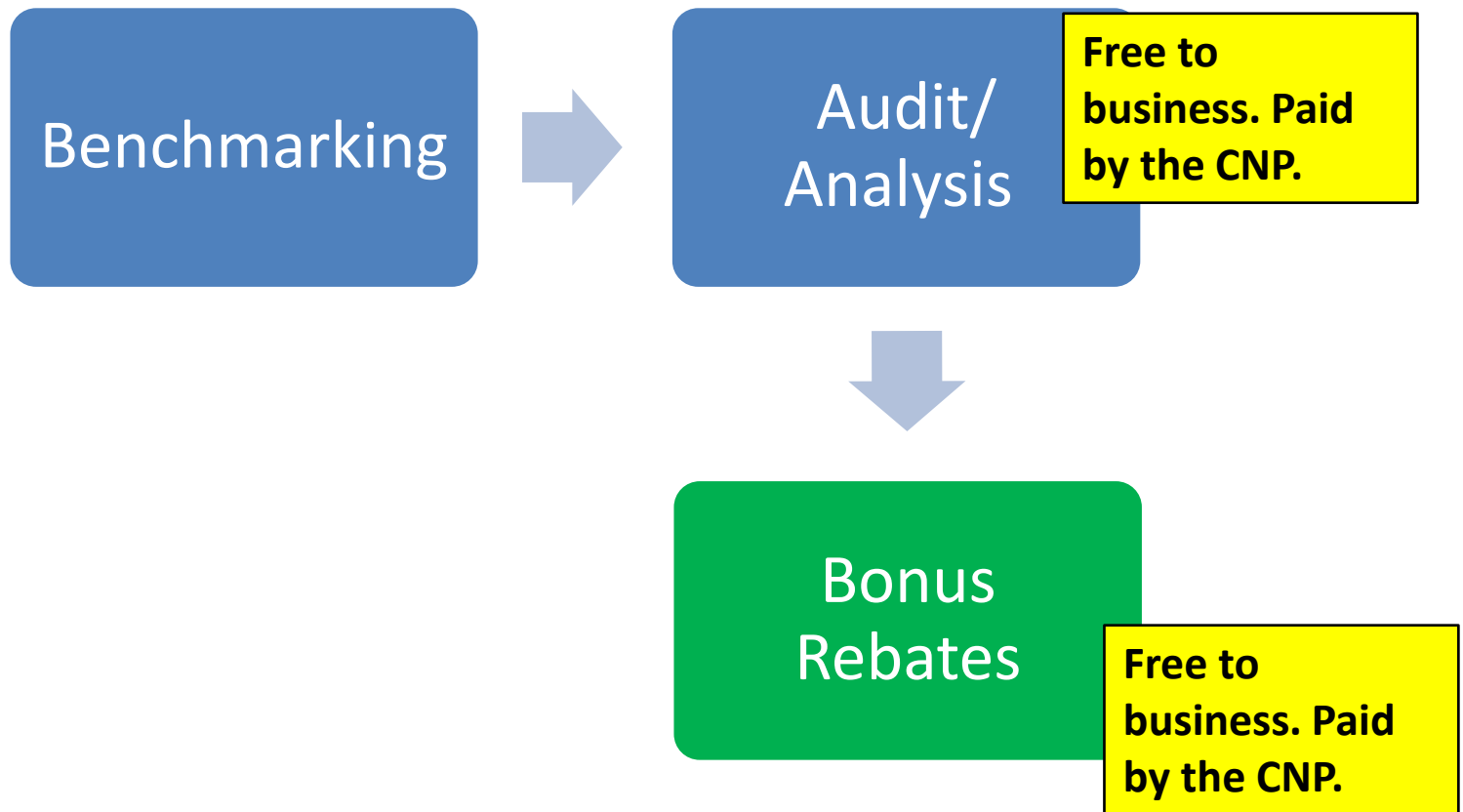
## Overview of the New Normal pathway

- Benchmarking (if property participates)
- Audit/analysis – Natural Gas Energy Analysis (NGEA)
  - Both natural gas & electric, as possible with CNP/XE coordination
- Building Tune up
  - Also both natural gas & electric , as possible with CNP/XE coordination
- Rebates of a significantly higher amount
  - Pending approval by the DOC: triple amount
  - Can be recommended at NGEA or system-focused recommissioning steps

# Pathway for Benchmarked Buildings with Building Automation Systems (BAS)



## Pathway for Benchmarked Buildings without BAS





## Implications Beyond the Work Plan

- Scalability to rest of CenterPoint Energy's MN territory?
- How far can existing CIP programs & tools take us?  
When do we need new policy or need NGIA work?
- Permanent offering/modification to upcoming triennial?
- Remove a barrier for small-to-midsized businesses?

## Questions & Discussion



- EVAC questions & thoughts on Theme
- What are opportunities for improvement?
- What is important to consider?
- How will we maximize the impact?



# Partner Updates