



**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



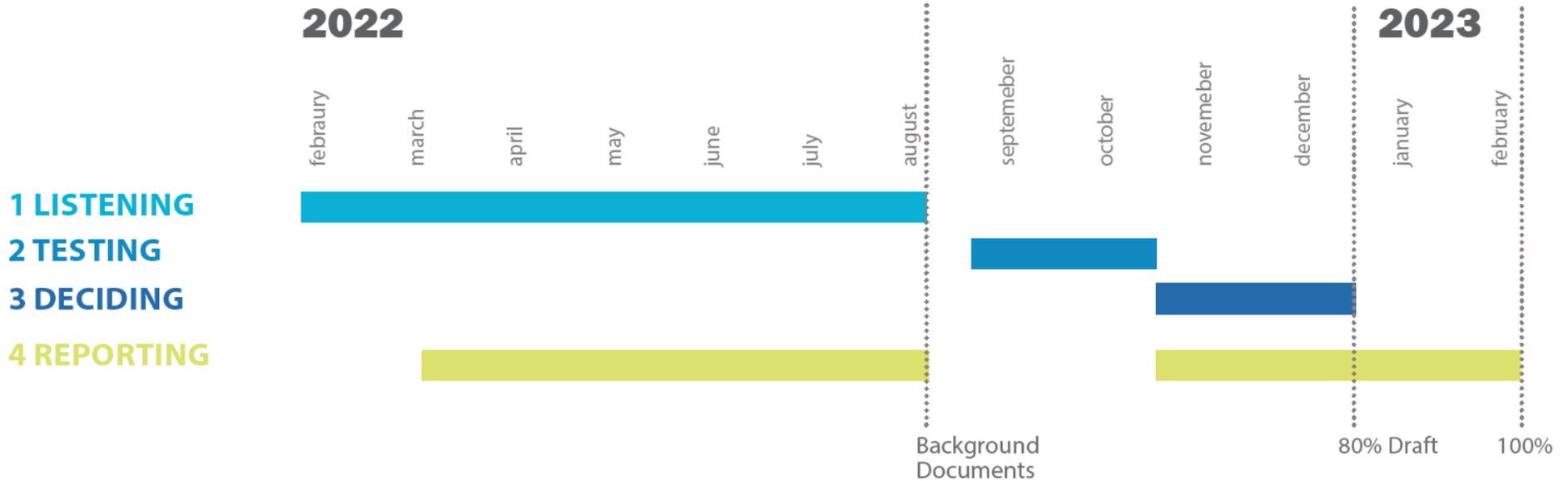
EVAC's Community Engagement Proposal



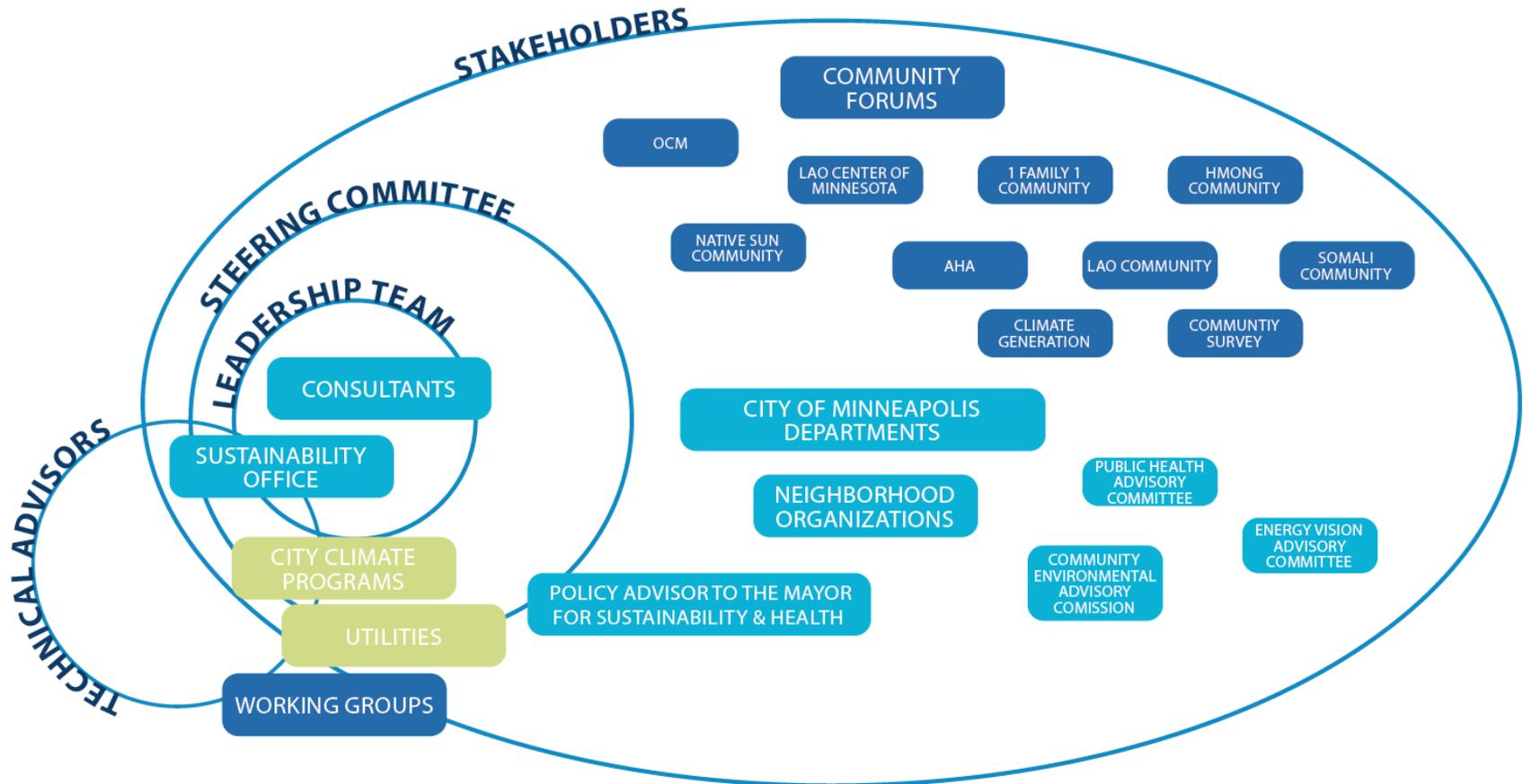
How the Partners are Incorporating Recommendations

- Xcel Energy
- CenterPoint Energy
- City of Minneapolis

Climate Equity Plan Update Process



Climate Equity Plan Update Process

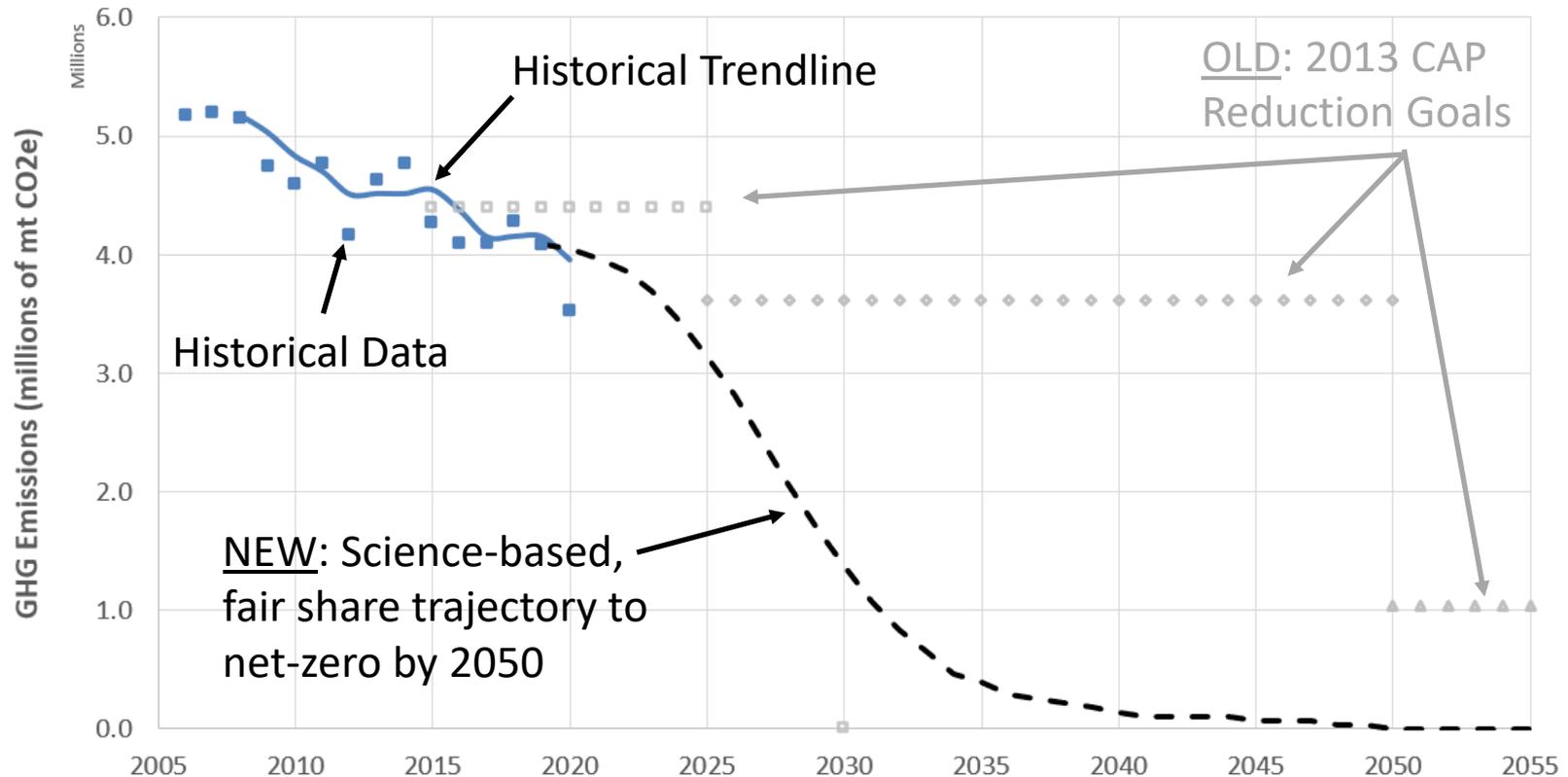




2022-2023 Work Plan

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





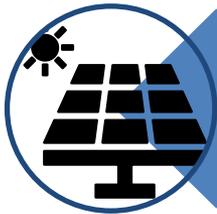
Framing: New electrification and energy efficiency tools can be available starting this year

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.

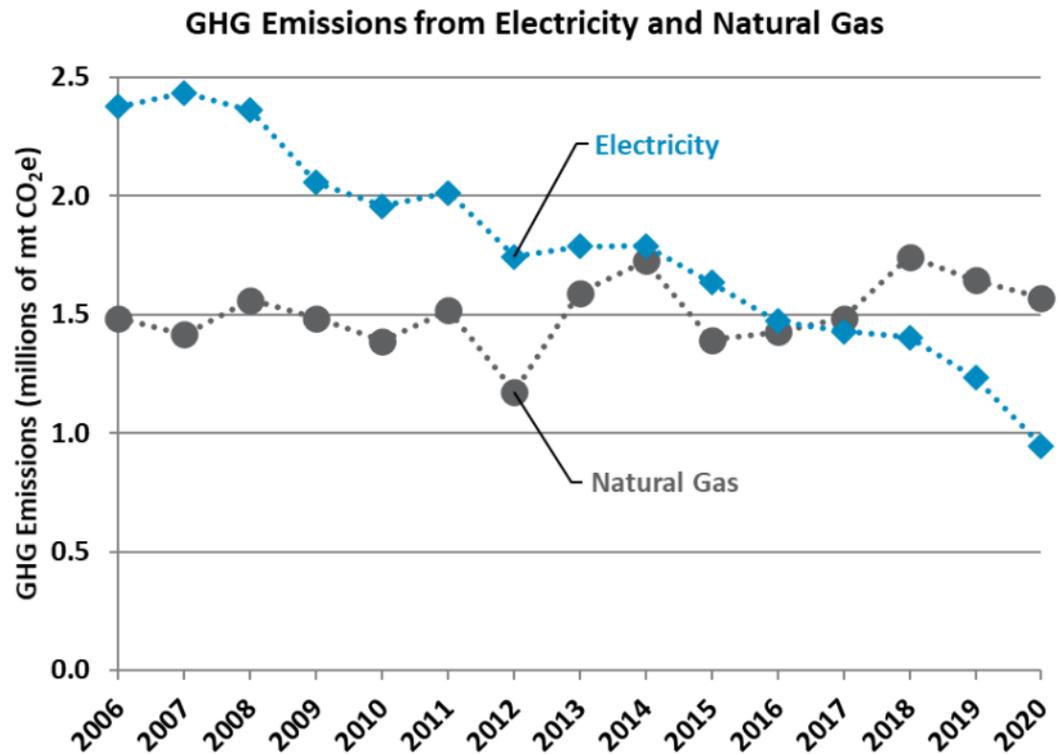
Lead Facilitator: CenterPoint Energy

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



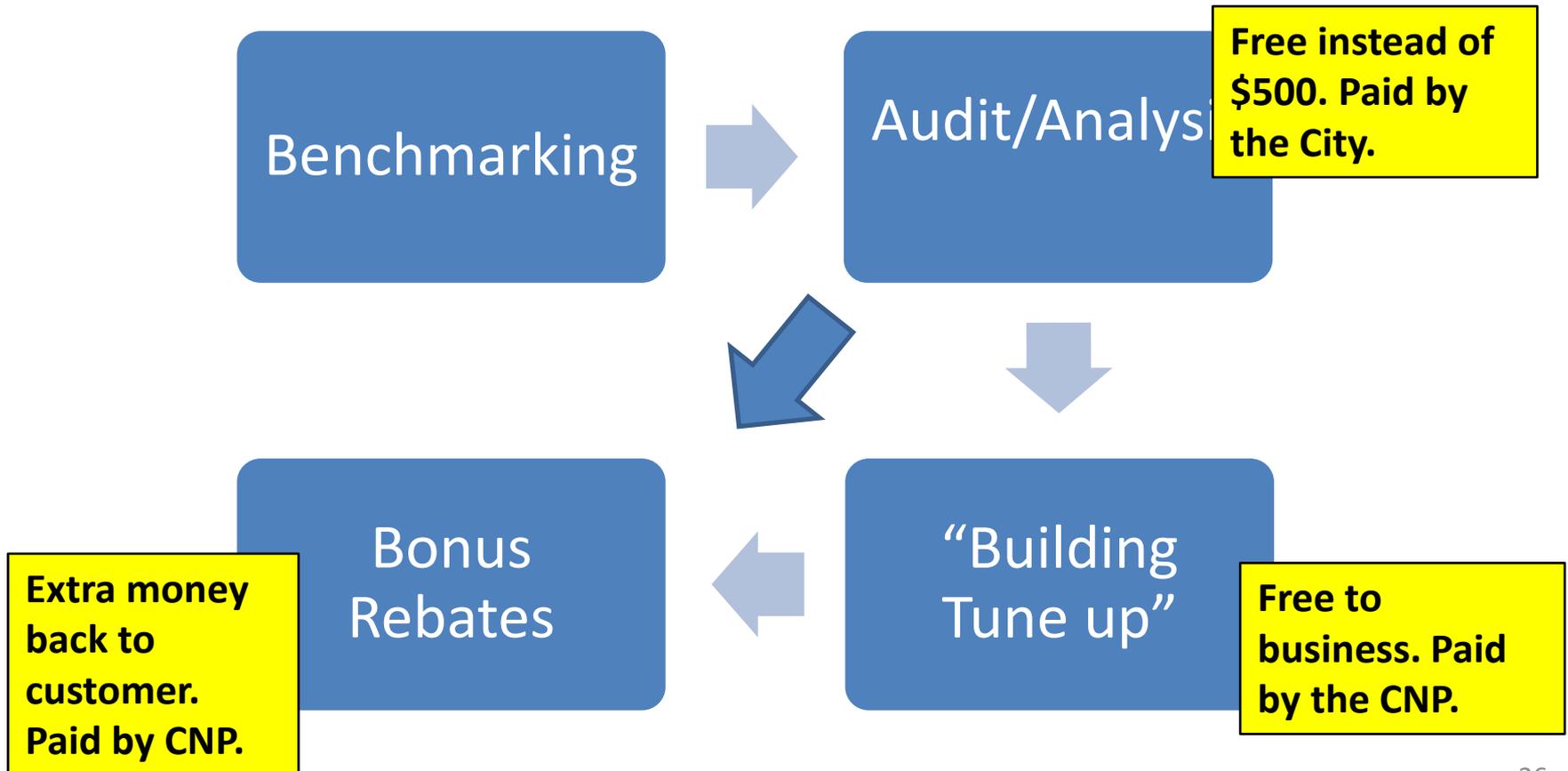
The “New Normal” effort: develops and implements a collaborative, comprehensive effort leading C/I properties along a pathway of energy savings services.

- 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)

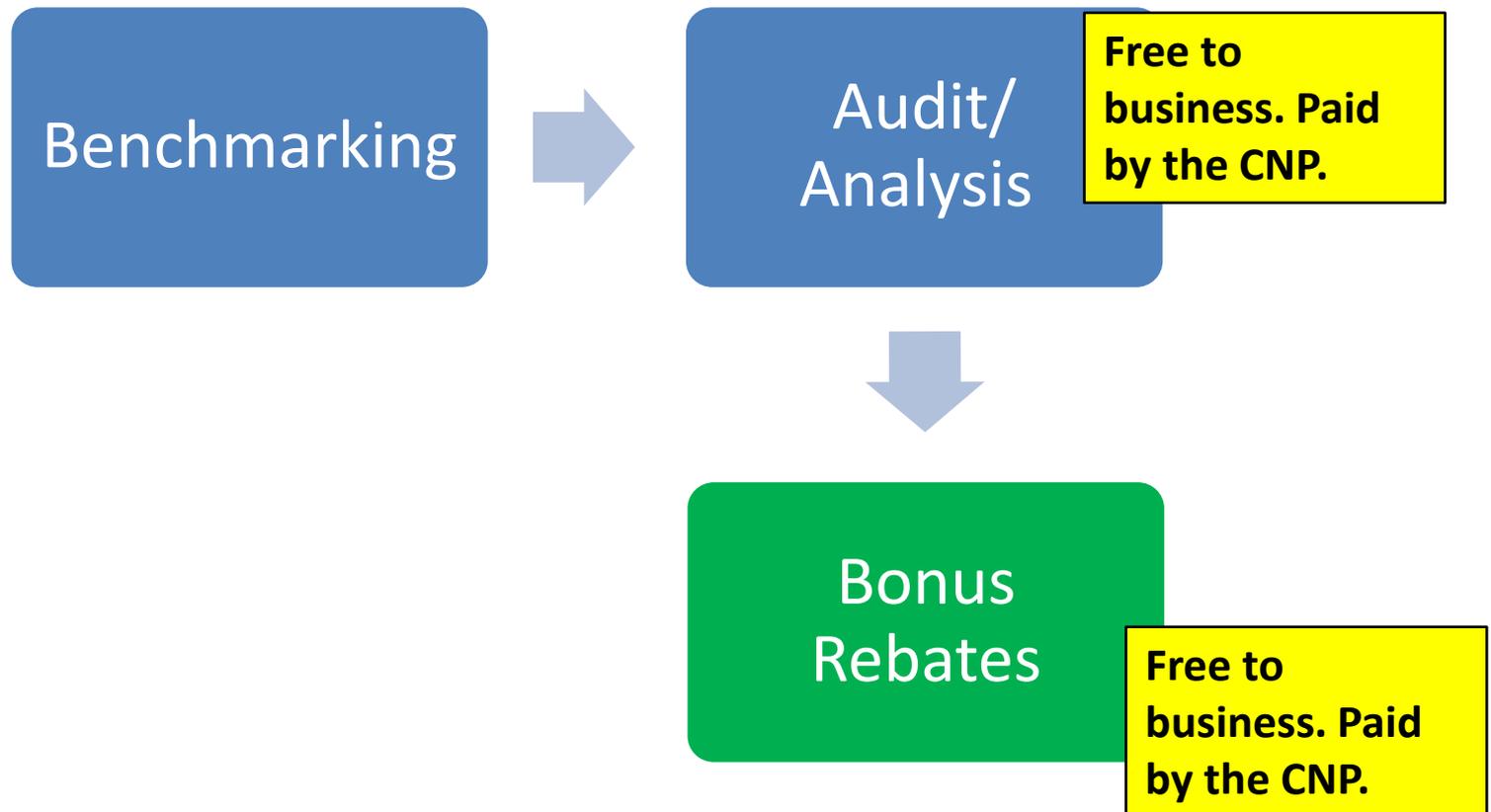
Overview of the New Normal pathway

- 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