



# PARTNERS IN ENERGY MENDOTA HEIGHTS ENERGY ACTION PLAN

TUESDAY, DECEMBER 3, 2024



# WHAT IS PARTNERS IN ENERGY?

- Partners in Energy is a **two-year** collaboration with Xcel Energy to develop and implement your individual community energy plan goals.
- Opportunity to engage stakeholders, create goals and strategies, and develop a work plan to be successful.



# MENDOTA HEIGHTS ENERGY ACTION TEAM

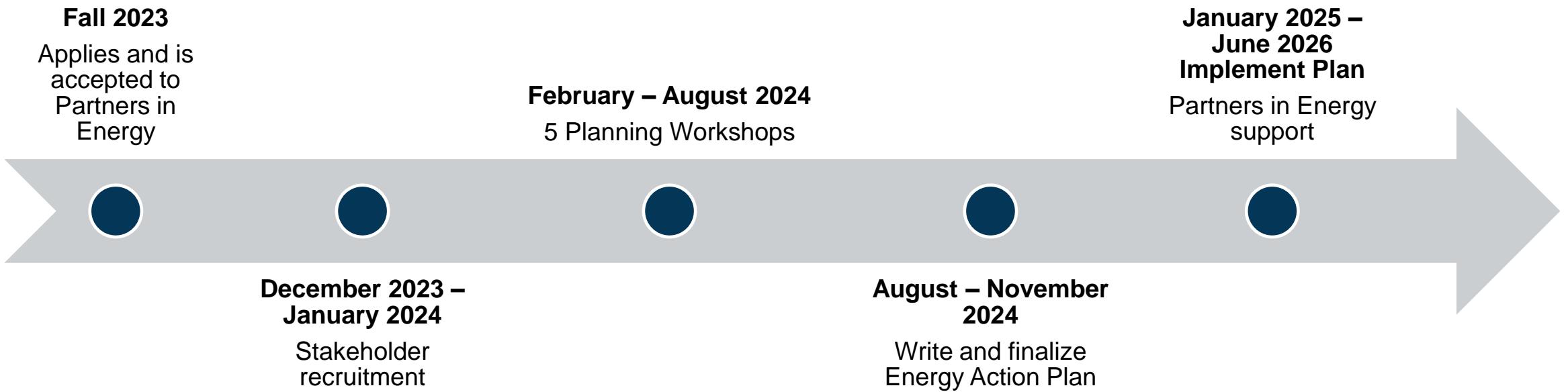


*Just a few of our Energy Action Team members*

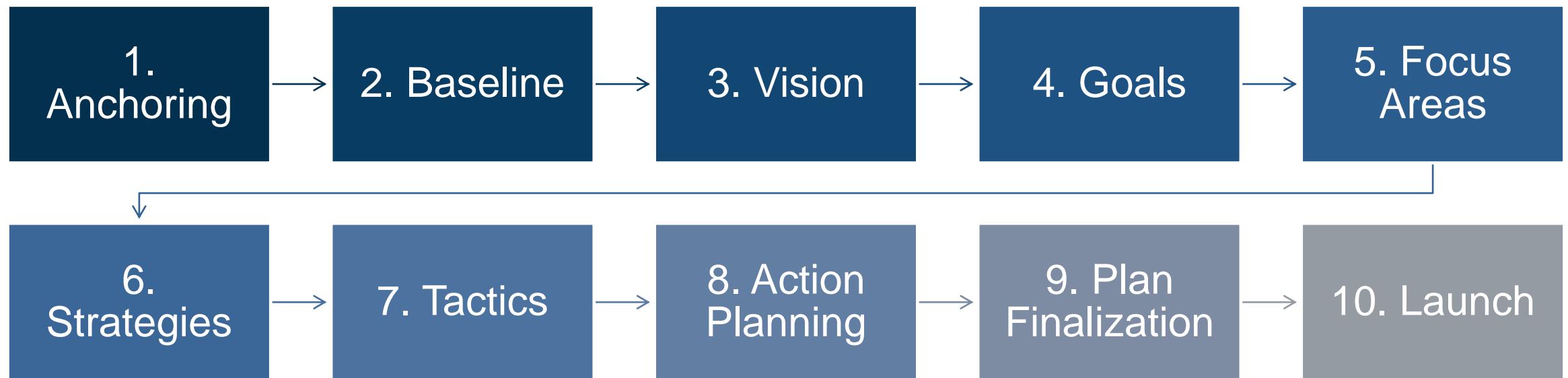
- Residents
- Natural Resources Commission members
- Students
- City Staff
- Dakota County Economic Development official
- Expertise in utilities, sustainability management, communications, and more
- Xcel Energy representatives & facilitators



# MENDOTA HEIGHTS PARTNERS IN ENERGY TIMELINE



# PLAN DEVELOPMENT STEPS





## MENDOTA HEIGHTS ENERGY ACTION PLAN

Mendota Heights City staff and community members collaborated with Xcel Energy's Partners in Energy program to create this Energy Action Plan. The plan offers Mendota Heights residents, businesses, and the City itself a path forward to save energy, avoid greenhouse gas emissions, and manage energy costs.

### Our Energy Vision

Mendota Heights is a leader in the transition to a clean energy future. This plan guides the city, residents, and businesses to take action to increase energy efficiency and use renewable resources to create more community resilience.

### Our Goals

By 2030, the Mendota Heights community will save an estimated **\$1.6 million** through energy efficiency projects and avoid **9,000 MTCO<sub>2</sub>e** of greenhouse gas emissions.



### Energy Action Plan Impacts



Estimated savings of **\$1.6 million** for residents, businesses and the City through the end of 2030.



Avoid **9,000 MTCO<sub>2</sub>e** (Metric tons of carbon dioxide equivalent) of greenhouse gas emissions. That's like removing over 200 gas-powered cars from the road each year through 2030.



Empowering the Mendota Heights community to make decisions about its energy future.

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### How We Are Going to Get There

The City of Mendota Heights with support from Partners in Energy will take actions identified in this plan to achieve our goal. These actions center on four focus areas:

- Residential Energy Efficiency
- Business & Municipal Energy Efficiency
- Renewable Energy
- Beneficial Electrification

### Strategy Highlights

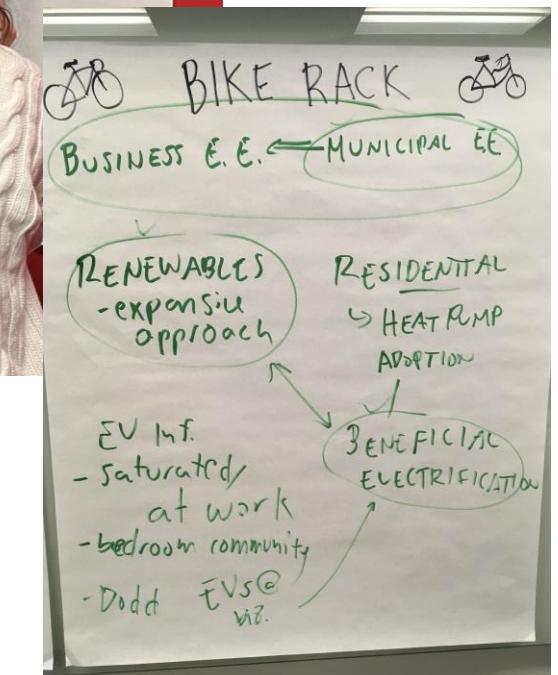
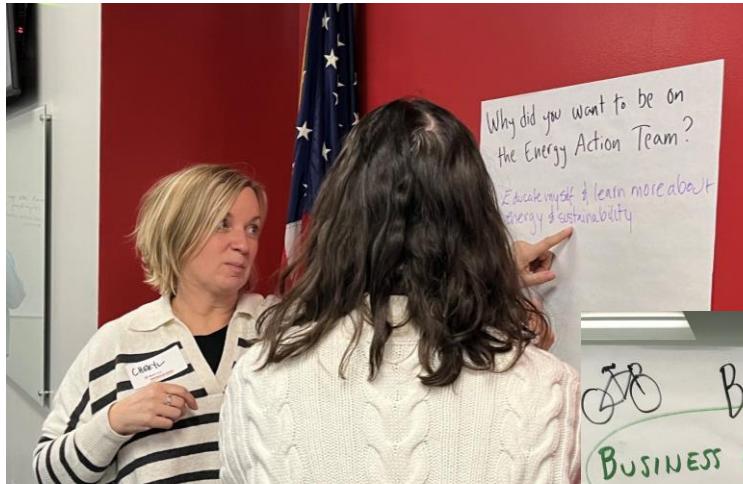
- Connect residents with existing opportunities for energy efficiency upgrades, including home energy audits.
- Partner with area businesses to promote energy efficiency and help businesses manage energy costs.
- Lead by example and showcase the City of Mendota Heights' commitment to solar energy.
- Educate and engage residents on beneficial electrification, the switch from fossil fuel-powered technologies to electricity-powered technologies.
- Explore adding EV chargers to municipal buildings and electrifying the Mendota Heights fleet.
- Showcase local residents' energy efficiency, renewable energy, and electrification projects.

The content of this plan is derived from a series of planning workshops hosted by Xcel Energy's Partners in Energy. Thank you to the Mendota Heights Energy Action Team for their many hours of service.

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# PLANNING PROCESS



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## VISION

Mendota Heights is a leader in the transition to a clean energy future. This plan guides the city, residents and businesses to take action to increase energy efficiency and use renewable resources to create a more resilient community.



# FOCUS AREAS

Residential  
Energy  
Efficiency

Business &  
Municipal  
Energy  
Efficiency

Renewable  
Energy

Beneficial  
Electrification



# UTILITY EFFICIENCY & RENEWABLES PROGRAMS

- Xcel Energy offers programs to residents and businesses to access energy efficiency and renewable energy
- Energy, emissions, and cost savings from these programs can be measured
- Programs Examples:
  - Residential Home Energy Squad®
  - Residential Equipment Rebates
  - Commercial HVAC+ Rebates
  - Business Energy Assessments
  - On- and Off-Site Renewable Energy Programs



Source: Microsoft Online Images



*Home Energy Squad® is provided by CenterPoint Energy and Xcel Energy. Home Energy Squad® is a registered trademark of Xcel Energy*

## GOAL



By **2030**, the Mendota Heights community will save an estimated **\$1.6 million** through energy efficiency projects and **avoid 9,000 MTCO2e** of greenhouse gas emissions.

*That's like removing 200 gas-powered cars from the roads each year through 2030!*



## GOAL MODELING - ASSUMPTIONS

### Business as Usual Scenario

- Similar participation rates and energy savings for efficiency and renewable energy programs as 2021-2023 baseline
- Xcel Energy meets its 2030 goal of 80% carbon-free electricity

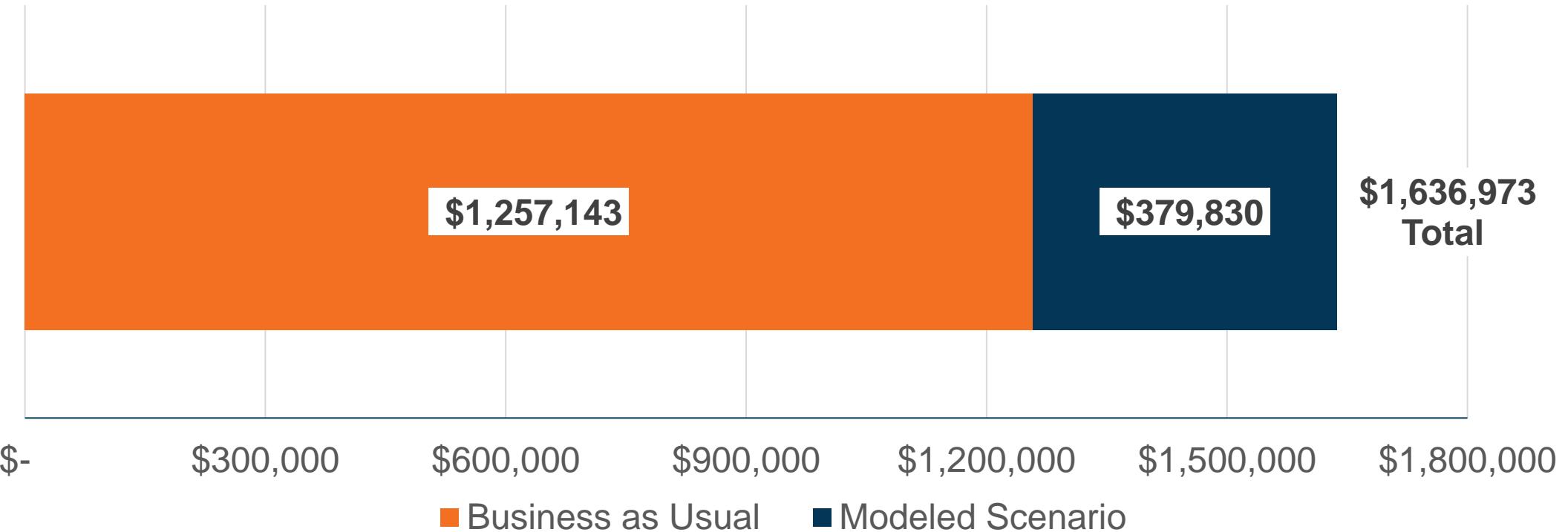
### Goal Modeled Scenario

- Select energy efficiency program participation grows 50% annually
- Program participation in Xcel Energy renewable energy offerings grows annually by 3% for residents and businesses



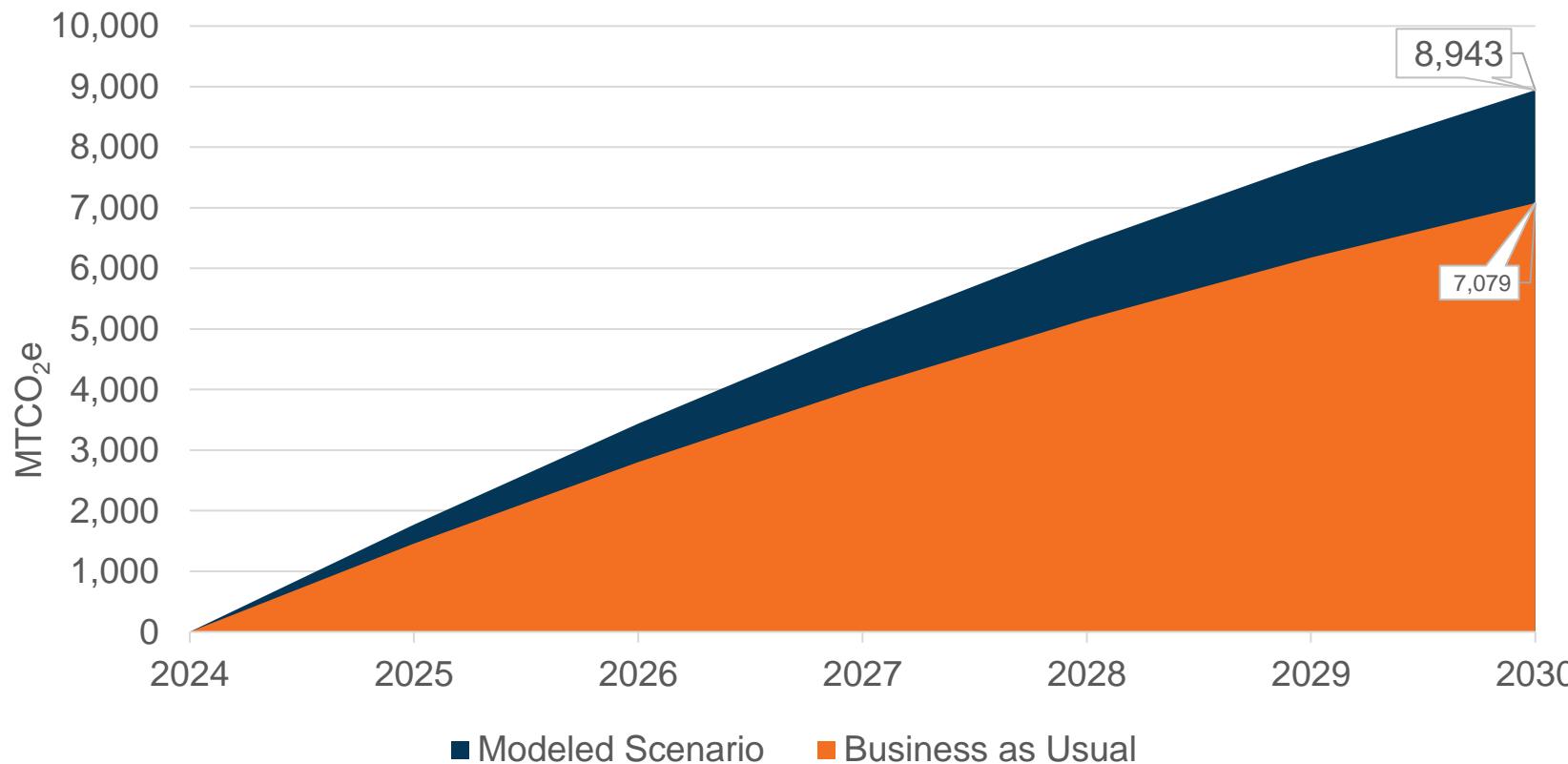
# GOAL METRIC: COMMUNITY-WIDE COST SAVINGS THROUGH ENERGY EFFICIENCY

Cumulative Cost Savings by 2030



Cost savings forecasts are based on historical 2021-2023 program participation, Partners in Energy data

# SUMMARY: GREENHOUSE GAS EMISSIONS AVOIDED, ENERGY EFFICIENCY AND RENEWABLE ENERGY

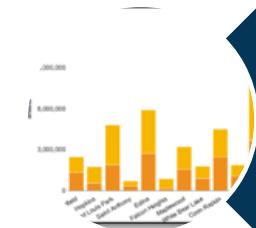


Greenhouse gas emissions forecasts are based on Xcel Energy Partners in Energy participation data, 2021-2023, and Xcel Energy Upper Midwest grid decarbonization targets for 2030

# RESOURCES FOR IMPLEMENTATION



Marketing & Communications



Data Tracking & Measurement



Program Expertise



Project Management



# PARTNERS IN ENERGY ADDITIONAL RESOURCES



## EVENTS

*Learn and network together.*

## TOOLKITS

*Start from the best ideas.*

## WEBINARS

*Ask questions and share experiences.*

## E-NEWSLETTER

*Stay current and share success.*

## WEBSITE

*Connect to resources.*



# STRATEGIES

## ■ Residential Energy Efficiency

1. Create outreach campaign to promote residential energy efficiency programs, rebate information and approved contractors.
2. Showcase local residential energy efficiency projects.
3. Explore sources of funding to support residential energy efficiency and renewable projects.

## ■ Business & Municipal Energy Efficiency

4. Showcase business energy efficiency projects.
5. Partner with area businesses to promote progress to current and prospective Mendota Heights businesses.
6. Explore a suite of energy efficiency practices for the City of Mendota Heights.
7. Direct business outreach with existing programs.



## STRATEGIES (CON'T)

### ■ **Renewable Energy**

8. Highlight Mendota Heights solar gardens to lead by example.
9. Explore residential and business funding opportunities for solar projects.
10. Share and educate about existing solar success stories.

### ■ **Beneficial Electrification**

11. Design and execute education and outreach campaign for existing electrification opportunities.
12. Explore opportunities to connect residents, businesses and the City with funding for electrification projects.
13. Explore feasibility of incorporating electrification into City practices.
14. Facilitate peer-to-peer learning from residents who have already implemented electrification measures (EVs, heat pumps, etc.).



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# QUESTION & DISCUSSION

