



ENERGY ACTION PLAN ADDENDUM

September 2022

INTRODUCTION

The City of Minnetonka has a long history of being a leader in environmental protection and sustainability practices. Continuing and expanding on this work will help the city sustain its natural resources and be resilient in an ever-changing, interconnected world. The city has expressed their commitment to sustainability by including “Sustainability and Natural Environment” as one of the pillars of the city’s “Strategic Profile.”

Minnetonka’s Energy Vision

Minnetonka will be the community of choice for people who care about responsible energy stewardship. We will lead the metro in efficient energy management.

Minnetonka adopted its Energy Action Plan in 2020, setting a course to sustain its sought-after resources and remain resilient as our community grows and changes. The Energy Action Plan was created by stakeholders from the business community, local sustainability groups, faith communities, the City of Minnetonka staff, and residents.

Our Energy Action Plan aims to reduce energy-related greenhouse gas emissions by 160,000 metric tons of CO₂ equivalent (MTCO₂e) before the end of 2030. Meeting this community-wide goal would be equivalent to:

- Eliminating greenhouse gas emissions from 34,475 gasoline powered passenger vehicles driven for one year.
- Removing CO₂ emissions from 20,154 homes’ energy use for one year.
- Carbon sequestered by 2,645,614 tree seedlings grown for 10 years.¹

Three short-term focus areas were established to help us achieve our goal and energy vision.

- 1) Multi-family Building Energy Efficiency
- 2) Residential Energy Efficiency
- 3) Renewable Energy

¹ Numbers calculated on the United States Environmental Protection Agency Greenhouse Gas Equivalencies Calculator, <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator>



Two medium-term focus areas—Business Energy Efficiency and Electric Vehicles and Charging Infrastructure—were identified to put us on the path to achieve our community energy vision and goals.

This document serves as an addendum to our Energy Action Plan with updated strategies from our original focus areas and new strategies in Business Energy Efficiency and Electric Vehicles and Charging Infrastructure focus areas.

Energy Action Plan Impact

Since adopting the Energy Action Plan in August 2020, Minnetonka has successfully implemented several strategies from its plan and is progressing toward the greenhouse gas reduction goal.

Implementation Highlights

Sustainable Minnetonka Webinars

The City of Minnetonka hosted 12 webinars on various energy topics to teach residents to be more energy efficient and support renewable energy. Topics included electric vehicles, home energy efficiency, and renewable energy. More than 400 people attended the webinars.

Leveraging City Communication Channels.

The City leveraged existing communication channels, like the Minnetonka Memo, City Facebook page, and City website to share information. The City updated its sustainability webpage with an easy-to-use URL that was featured on outreach collateral. The new sustainability webpage was also updated with rebate, financing, and program resources for residents and businesses.

Home Energy Squad® Promotion

The City of Minnetonka offers a 50% discount promotion to residents for the Home Energy Squad. To promote this opportunity, two postcards were mailed to older homes explaining the opportunity and how to complete project recommendations. The program was also shared on social media and through the Sustainable Minnetonka webinars.

Multi-family Building Outreach

Several materials were created to promote resources for multi-family property owners and renters, including a simple guide for renters on changes that can make their building more energy efficient. These materials were shared directly with property owners, along with an email campaign that promoted a free building assessment program.

Renewable Energy Program Promotion

Renewable energy efforts were targeted to homeowners, renters, and multi-family building owners. In addition to adding this information to the City's sustainability webpage, a flyer describing the options available to Minnetonka residents was shared, and the monthly webinar series featured a two-part topic on renewable energy.

Progress Toward Goals

As part of this addendum, Partners in Energy facilitators measured progress toward achieving both Minnetonka's community-wide and near-term focus area goals.² This data helps our community understand the quantitative impact of implementing our Energy Action Plan over the last two years.

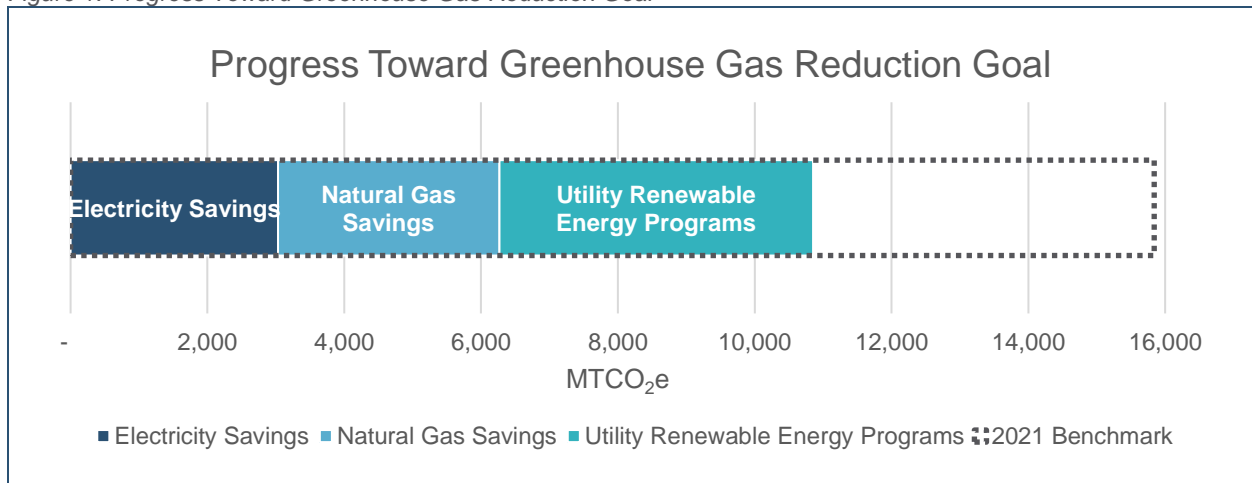
² See *Energy Action Plan, Appendix 4: Methodology of Measuring Success* for goal assumptions and baseline data.

Community-wide Goal

Minnetonka’s community-wide goal is to reduce energy-related greenhouse gas emissions in Minnetonka by 160,000 MTCO₂e before the end of 2030.

From the start of implementation in August 2020 through the end of 2021, Minnetonka residents and businesses saved 10.1 million kWh (10.1 GWh) of electricity and 609,200 therms of natural gas.³ During this period, our community also increased its renewable energy support, resulting in 15.4 million kWh (15.4 GWh) of electricity subscribed to utility renewable energy subscription programs.⁴ Minnetonka’s combined energy savings and renewable electricity is equivalent to 10,855 MTCO₂e. This is 69% of the way toward the 2021 benchmark target needed to be on track to meet our greenhouse gas reduction goal (*Figure 1*).

Figure 1: Progress Toward Greenhouse Gas Reduction Goal



Focus Area Goals

Several focus area goals were created to measure utility program participation and impact of focus area strategies. As illustrated in the summary table below, Minnetonka reached some of its focus area goals and fell short in others. Programs with the most success were engaging multi-family buildings to get an energy assessment, residents to complete heating and cooling rebates, and residents to sign up for community solar or install solar panels on their home. With the adoption of the first Energy Action Plan in 2020, we could not foresee the impact the pandemic would have on Minnetonka’s strategies, particularly in-person outreach and events. Like many initiatives during 2020, the pandemic upended plans and changed the way we interacted with people, which affected Minnetonka’s ability to implement their plan to its full potential.

³ Xcel Energy’s Partners in Energy provided electricity savings data for August 2020–December 2021. CenterPoint Energy provided natural gas savings for the calendar year 2020 and 2021. For purposes of this addendum, we estimated CenterPoint Energy’s 2020 monthly participation and savings to measure the impact of August to December 2020 outreach.

⁴ This value reflects participation in Xcel Energy’s Windsource® and Renewable*Connect® programs at year-end 2021.

Table 1: Progress Toward Focus Area Goals⁵

Program	Baseline Participation	2021 Goal Participation	2021 Actual Participation	Gap to Goal
Multi-family Focus Area				
Multi-Family Building Efficiency Program (number of buildings)	2	3	5	-
Multi-Family Energy Savings Program (number of units)	99	225	0	225
Residential Energy Efficiency Focus Area				
Home Energy Squad [®]	80	300	193	107
Residential Heating & Cooling Rebates ⁶	856	1,260	1,408	-
Refrigerator Recycling	133	240	201	39
CenterPoint Energy Insulation Rebates	94	191	135	56
Renewable Energy Focus Area				
Renewable Subscriptions: Business	12	25	14	11
Renewable Subscriptions: Residential	1,015	2,000	1,406	594
On-Site Solar: Business	15	20	15	5
On-Site Solar: Residential	58	70	74	-
Solar Gardens: Business	113	150	136	14
Solar Gardens: Residential	186	250	269	-

PLANNING PROCESS RECAP

To create this addendum, the City of Minnetonka convened a set of new stakeholders to identify strategic priorities to engage businesses and promote electric vehicles. The City included some participants from the 2019 planning team and invited new guests to participate and share their perspectives.

Over a series of three workshops, stakeholders participated in discussions and activities designed to build effective strategies. Workshop 1 included a review of existing Energy Action Plan strategies and a guided activity to determine which strategies to tweak, mark as complete, or discard. The team also began planning for new focus areas by breaking into groups to brainstorm their sphere of influence, trusted messengers, and community assets for business outreach and electric vehicle adoption.

In Workshop 2, the group closely examined commercial energy use in Minnetonka, then identified what kinds of targets they might set for business energy efficiency. The second half of the workshop was a structured brainstorming session about business energy efficiency strategies.

In Workshop 3, the group learned about electric vehicle (EV) and public charging stations in Minnetonka, including the installation of three public charging stations by the City. The group worked together in small groups to brainstorm strategies to increase EV adoption and charging infrastructure in Minnetonka through education and engagement.

⁵ Program participation is for Xcel Energy programs only unless otherwise noted in program name. Actual participation represents participation counts from August 2020 through December 2021.

⁶ Xcel Energy's approved 2021-2023 Triennial Plan combined Residential Heating and Residential Cooling programs. For purposes of this addendum, historic participation and goals have been combined to stay consistent with program reporting.

Acknowledgements

Thank you to the following individuals who participated in a series of planning workshops hosted by Xcel Energy's Partners in Energy to create the content of this document.

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2022–2024 WORK PLAN

Focusing on the next two years, the City of Minnetonka and Energy Action Team prioritized several strategies in their existing and new focus areas.

Focus Areas

Minnetonka will continue to implement strategies in the Energy Action Plan's existing focus areas — Multi-family Building Efficiency, Residential Energy Efficiency, and Renewable Energy. The Energy Action Team noted that these focus areas remain a priority for the community, even if the focus on implementation over the next two years is on the new focus areas. As a result, some existing strategies will continue into the 2022–2024 work plan.

Two new focus areas are included in the 2022–2024 work plan: Business Energy Efficiency and Electric Vehicle and Charging Infrastructure.

Business Energy Efficiency

Commercial and industrial premises represent only 7% of premises in Minnetonka but consume 62% of the electricity and 41% of the natural gas in the city. On average, 229 commercial and industrial businesses participate in utility energy efficiency programs annually, saving an average of 6.68 million kWh of electricity and 289,000 therms of natural gas.

Most of the commercial and industrial sector's energy savings are from the largest commercial and industrial energy users. There are many reasons why this is the case. Larger businesses consume more electricity and so have more opportunity for savings. They also have dedicated facility staff whose jobs are to manage and reduce energy consumption, and they have utility

account managers to support program participation. This gives the larger businesses the capacity to take advantage of energy efficiency programs.

Small and medium-sized businesses participate in energy efficiency programs, but not to the same extent as larger businesses. Common barriers to participation include the time needed to navigate options and make upgrades, split incentives between property owners and commercial tenants, not having a clear decision-maker on these issues, and not being aware of energy efficiency opportunities and benefits.

During the workshop series, the City of Minnetonka reviewed the 2021 business survey data, which captured in-depth responses from 157 Minnetonka businesses. This survey identified that environmental issues are areas of concern. Water conservation, encouraging recycling/composting, improving protection of lakes, streams, and wetlands, and energy conservation were all considered very or somewhat important by 65% or more of businesses.

The strategies identified in this addendum are targeted to small and medium-sized businesses that do not have dedicated account managers. This will ensure access to resources and support to move forward with project recommendations.

Electric Vehicles and Charging Infrastructure

According to industry journal, *Automotive News*, electric vehicle (EV) sales are expected to overtake internal combustion vehicle sales by 2030.⁷ This rapid transportation evolution carries significant implications and opportunities for cities like Minnetonka with a strong commitment to greenhouse gas emission reduction.

Minnetonka has already begun to participate in the switch to EVs. The population of Minnetonka is 54,704.⁸ As of December 2021, there are 484 EVs registered in Minnetonka.⁹ The City of Minnetonka also considers electric vehicle options when it purchases fleet vehicles and has two Chevy Bolts on order.

Access to charging infrastructure is also important for the growth of EV adoption. There are seven public EV charging stations in Minnetonka, and the City of Minnetonka is currently installing three more on their campus. More than 100 public EV chargers exist in the Metro area, making charging on-the-go accessible.

Expanding electric vehicle charging infrastructure and the growing market segment of EVs in car purchases lays the groundwork for our community to smoothly transition to EVs. Strategies in this addendum are focused on increasing awareness about the benefits of owning EVs and educating our community about the resources available to make the transition to EVs.

Strategies

The Energy Action Team identified 19 strategies to achieve our vision and goals. These strategies consist of modified strategies from the initial Energy Action Plan and new strategies from the two new focus areas (Business Energy Efficiency and Electric Vehicles and Charging Infrastructure).

⁷ <https://www.autonews.com/mobility-report/ev-sales-growing-faster-expected>

⁸ Metropolitan Council 2021 Data, <https://stats.metc.state.mn.us/profile/detail.aspx?c=02395876>

⁹ Minnesota Department of Transportation Electric Vehicle Dashboard, <http://www.dot.state.mn.us/sustainability/electric-vehicle-dashboard.html>, Accessed June 14, 2022.

There are two strategies that encompass all focus areas. Strategy 1 includes maintaining the City of Minnetonka website as a resource hub for all focus areas. Strategy 2 will include all focus areas in the *Sustainable Minnetonka Awards* program.

Ongoing implementation strategies will be considered part of the workplan for the duration of implementation, knowing that these strategies are broad, and the tactics include annual actions. Near-term strategies are planned for implementation during years 2022 through March 2024 with direct support from Xcel Energy’s Partners in Energy program. To measure the success of near-term strategies, program participation targets are outlined in the *Methodology for Measuring Success* section. Medium-term strategies are planned to start mid-year 2024 and include lighter support from the Partners in Energy program.

Through the workshop process, six strategies were ranked as the most important to achieve our goals. These strategies should be considered high priority and are marked with an asterisk (*) in the strategy tables below.

1. Identify next steps to remove barriers to broader adoption of community solar gardens.
2. Educate Minnetonka homeowners about tools, advantages, and programs for energy efficient homes.
3. Increase participation in renewable energy programs.
4. Update development review and permitting processes to share information about energy efficiency and EVs.
5. Launch a targeted outreach campaign to advise local businesses.
6. Promote access to no-cost energy audits for multi-family buildings.

Ongoing Implementation Strategies

Focus Area	Strategy	Tactics
All	1. Create a maintenance schedule to ensure the <i>Sustainable Minnetonka</i> website has current resources for each focus area.	1A: Create a schedule and assign staff to update website resources that feature information on energy efficiency, renewable energy, and EVs, including financing and grant opportunities, programs and rebates, and energy data.
All	2. Maintain <i>Sustainable Minnetonka Awards</i> to recognize those who take actions that support our community energy goals.	2A: Review recognition program for target audiences and include all actions and alternate forms of recognition.
		2B: Host annual award events and tours of business winners.
		2C: Create signage and/or digital recognition for winners on city website, newsletter, and social media.
Residential Energy Efficiency	3. Educate Minnetonka homeowners about tools, advantages, and programs for energy efficient homes.*	3A: Promote energy efficiency programs, resources, and financial support via social media, newsletters, mailings, and events to educate the public.
		3B: Promote home audit services for homeowners and renters (Home Energy Squad® and/or other programs).

Focus Area	Strategy	Tactics
Residential Energy Efficiency	4. Promote adoption of energy efficient behaviors to improve perceptions (desirable, popular, and growing).	4A: Create promotional materials, mailings, and/or tabling scripts that include a call to action for residents to change behaviors and participate in programs to take steps toward energy efficiency.
		4B: Encourage completion of project recommendations after energy assessments by sharing financial incentives and/or other support from the city.
Electric Vehicles and Charging Infrastructure	5. Table at local events and host workshops to educate community.	5A: Create informational materials and presentations on EVs and EV chargers to share at events and workshops.
		5B: Build partnerships with other organizations to table and present at their events.
		5C: Leverage community and city events to do outreach and host workshops.

Near-term Implementation Strategies (2022–Q1 2024)

Focus Area	Strategy	Tactics
Business Energy Efficiency	6. Launch a targeted outreach campaign to advise action to local businesses.	6A: Create materials and resources, including a decision tree, to help businesses decide which programs to participate in to increase energy efficiency.
		6B: Perform outreach using city communications channels, partner channels, and business groups to promote resources, business advising, and other business resources.
Business Energy Efficiency	7. Present at local business meetings/events.	7A: Create presentation and educational materials to share at meetings and events, seeking out business leaders and nonprofits to share case studies as motivation.
		7B: Establish partnerships with commercial neighborhoods, property management groups, specific business sector owners, and other business associations to present at their meetings and events about different energy efficiency programs and incentives.
Business Energy Efficiency	8. Host business tours and presentations.	8A: Collaborate with business community and nonprofits to identify businesses to host tours and presentations.
		8B: Provide networking tools, share case studies, learn about best practices, connect to utility contacts, and promote saving energy and money to businesses.
Renewable Energy	9. Identify next steps to remove barriers to broader adoption of community solar gardens.*	9A: Meet with third-party community solar developers and cities/organizations that host community solar gardens (2023). Identify community solar garden best practices.
		9B: Identify locations (both public and private) that would be good host sites for a community solar garden. Begin outreach to these site managers and start next steps to prep building sites for solar (2024).

Focus Area	Strategy	Tactics
Renewable Energy	10. Increase participation in renewable energy programs.*	10A: Update materials with current renewable energy program options for residents, multi-family buildings, and businesses.
		10B: Host renewable energy outreach campaigns and promote them on social media, city communication channels, and at city events.
		10C: Include renewable energy as eligible action in the Sustainable Minnetonka Award program (Strategy 2).
		10D: Dedicate at least one Sustainable Minnetonka webinar/event to renewable energy programs annually (Tactic 11A).
		10E: Collaborate with MREA and other partners to host Solar Power Hours.
Renewable Energy and Energy Efficiency	11. Create virtual and in-person education opportunities to share energy efficiency and renewable energy resources for residents.	11A: Create schedule, decide topics, recruit presenters, and promote a regular series of workshops and events for residents and businesses to learn about and act upon renewable energy and energy efficiency.
		11B: Host quarterly webinars/events on topics related to renewable energy and energy efficiency and increase the number of in-person events throughout the year.
EV and Business	12. Update development review and permitting processes to share information about energy efficiency and electric vehicles.*	12A: Create EV, EV charger, and energy efficiency educational materials and flyers targeting developers and builders.
		12B: Work with city staff to integrate energy efficiency, EV chargers, and EV program information into development project review and permitting process for new construction and major renovation projects.
Electric Vehicles and Charging Infrastructure	13. Facilitate information exchanges between businesses, rental property owners, and City.	13A: Create materials that include case studies and facts about EVs to dispel myths.
		13B: Share materials at business meetings, in partner newsletters, and in city communication channels.
		13C: Leverage business gatherings, EV owners' associations, NextDoor, and other neighborhood groups to share information and materials.
Electric Vehicles and Charging Infrastructure	14. Host EV ride & drive events.	14A: Work with dealerships, EV groups, and Xcel Energy to provide EVs, resources, and exhibit materials for events.
		14B: Create promotional materials and schedule to market EV events to the public and in coordination with businesses for their employees.

Medium-term Implementation Strategies (Q2 2024–2025)

Reminder: Ongoing strategies (strategies 1–5) should continue during implementation years 2024–2025. In addition to those, strategies 15–19 are identified for action.

Focus Area	Strategy	Tactics
Multi-family Buildings	15. Promote access to no-cost energy audits for multi-family buildings.*	15A: Promote the Multi-Family Building Efficiency Program, energy audit information, and rebate programs to building managers through emails, phone calls, and letters.
		15B: Include information for property owners and managers in city permitting and inspections department interactions.
Business Energy Efficiency	16. Develop a business energy incentive or loan program.	16A: Work with Economic Development staff to create a program that offers free money, low-interest loans, and cost savings for businesses to complete energy efficiency projects.
Business Energy Efficiency	17. Promote access to no cost energy audits for non-profits.	17A: Promote nonprofit energy audit services, information, and rebate programs to building managers through emails, phone calls, and letters. (EnerChange or other providers)
		17B: Include information for property owners and managers in city permitting and inspections department interactions.
Business Energy Efficiency	18. Launch a broad outreach campaign to businesses.*	18A: Create marketing materials with current energy efficiency program information including flyers, postcards, newsletters, and/or emails.
		18B: Perform outreach through communication channels to share cost savings, awareness of programs, and understanding the benefits. Encourage businesses to move forward with program participation and project recommendations.
Electric Vehicles and Charging Infrastructure	19. Conduct outreach to dealerships, associations, and others about EV and charging programs	19A: Create educational materials about EVs and charging infrastructure.
		19B: Develop relationships with dealerships and EV associations to share information with customers and the community.

ACHIEVING OUR GOALS

Implementation Support from our Community and Partners

Implementing the strategies outlined in this plan will require leadership and collaboration among the City of Minnetonka, Minnetonka Sustainability Commission, members of Energy Action Team, community representatives, Xcel Energy, and other partners.

Role of Minnetonka Community

The Minnetonka community will support implementation by participating in programs and attending events, as well as advocating for energy efficiency and renewable energy. The community will continue to provide innovative energy projects that are worthy of highlight to the larger community. The success of this plan to reduce emissions will benefit everyone in the community and requires community support to achieve.

Community Assets and Connections

The Energy Action Team identified several community assets and connections in Minnetonka to support strategy implementation for the new focus areas targeting businesses and promoting EVs. From organizations to individuals to relationships, the City of Minnetonka and Energy Action Team are set up for success to implement these strategies.

	Business Community	Electric Vehicles
Trusted Messengers	<ul style="list-style-type: none"> • Other companies • Places of worship • Schools • City of Minnetonka • Energy utilities (Xcel Energy, CenterPoint Energy) • Long-term residents who own businesses • Sustainability nonprofits • Employees of local businesses • Elected officials 	<ul style="list-style-type: none"> • EV Owners • Car dealerships • Xcel Energy • Business leaders • City of Minnetonka • C-Stores (fuel / gas stations) • City Council • Property managers • Nonprofits
Assets to Engage Community	<ul style="list-style-type: none"> • Employees • Small and large companies with GHG strategies and goals • Companies participating in Partners in Energy • Sustainability Commission • City of Minnetonka processes/structure • Energy utility engagement • Public and community events • Business newsletters and Minnetonka Memo • University of Minnesota researchers • Elected officials 	<ul style="list-style-type: none"> • Xcel Energy for Infrastructure Installation • City-owned properties • Business parking lots and vacant land • City of Minnetonka channels like the Minnetonka Memo
Connections of Energy Action Team	<ul style="list-style-type: none"> • Businesses (large and small) • Sustainability officers at large companies • Chamber of Commerce • U of M • Xcel Energy and other utilities • City of Minnetonka • Manufacturing, car dealerships, and other industries • Minnetonka Climate Initiative • Schools serving Minnetonka • Hennepin County • NextDoor • Sustainability Commission • BOMA 	<ul style="list-style-type: none"> • Family/friends who own EVs • Car dealers • U of M researchers • Subject matter experts • Location of chargers close to city amenities • Minnetonka Climate Initiative • Elected officials (local and state)

Role of City of Minnetonka and Sustainability Commission

The City of Minnetonka and Sustainability Commission will support implementation of all strategies. The new focus areas of Business Energy Efficiency and Electric Vehicles and Charging Infrastructure will need extra attention to initiate connections to groups, associations, and businesses for action.

Strategies supported by Sustainability Commission include:

- Update development review and permitting processes to share information about energy efficiency and electric vehicles.
- Present at local business meetings and events.
- Promote access to no-cost energy audits for single-family and multi-family buildings.
- Identify next steps to remove barriers to broader adoption of community solar gardens.
- Host business tours and presentations.
- Table at local events and host workshops to educate community.

Role of the Minnetonka Energy Action Team

The Energy Action Team formed to create this addendum will support implementation by serving as community connectors to their networks, promote our energy vision, encourage participation in programs and outreach campaigns, and share success stories. When available, the Energy Action Team will serve as partners and leaders in strategies, including those that target small and medium-sized businesses, large industry, and education institutions.

Strategies supported by the Energy Action Team include:

- Present at local business meetings and events.
- Host business tours and presentations.
- Promote virtual and in-person education opportunities to share energy efficiency and renewable energy resources for residents.
- Share information about energy efficiency and EVs.
- Promote adoption of energy efficient behaviors to improve perceptions (desirable, popular, and growing).
- Help identify next steps to remove barriers to broader adoption of community solar gardens.

Role of Xcel Energy and Partners in Energy

Xcel Energy's Partners in Energy commits to an additional 18 months of implementation support, including marketing and communications support and program expertise. It will also provide a dedicated community facilitator to serve as a primary point of contact. Partners in Energy Network resources, including webinars, portal, and events, will also be available.

Xcel Energy will also leverage its communication channels to promote programs and resources, as well as leverage staff expertise to connect the City of Minnetonka and Minnetonka Xcel Energy customers with the right resources.

Methodology for Measuring Success

As part of implementation support, Xcel Energy's Partners in Energy will provide Minnetonka biannual progress reports for electricity consumption, Xcel Energy efficiency and renewable program participation, and electricity savings data. Partners in Energy will support coordinating with CenterPoint Energy on an annual basis to gather natural gas consumption and CenterPoint Energy efficiency program participation and savings data.

Progress toward achieving our community-wide goal to reduce greenhouse gas emissions 160,000 MTCO₂e by 2030 will be measured by comparing annual electricity savings, natural gas savings, and renewable electricity against forecasted benchmarks. Included in these

calculations are efficiency programs from Xcel Energy and CenterPoint Energy, and Xcel Energy's renewable energy programs in which customers retain the renewable energy credits. Benchmarks will be measured from August 2020 through the end of the year noted below. *Table 2* provides updated annual benchmarks from the original Energy Action Plan based on the actual emissions avoidance.

Table 2: Annual Benchmarks for Greenhouse Gas Reduction Goal

	Actual	Forecasted Benchmark								
	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
MTCO _{2e}	10,855	27,427	43,998	60,570	77,142	93,713	110,285	126,857	143,428	160,000

To achieve our goals and measure the success of strategies, the Energy Action Plan identified specific program targets by focus area for 2021 and 2030. *Table 3* identifies updated program participation goals for the end of the second implementation phase in March 2024 based on the 2030 goal from the initial Energy Action Plan. Implementation Phase 2 target numbers are calculated to account for progress made so far during implementation and where we need to be by March 2024 to stay on track toward meeting our 2030 goal. Progress will be measured from January 2022 through March 2024.

Table 3: Existing Focus Area Goals for Phase 2 Implementation

Program	Baseline Participation	2021 Actual Participation	Implementation Phase 2 Target
Multi-family Focus Area			
Multi-Family Building Efficiency Program (number of buildings)		2	5
Multi-Family Energy Savings Program (number of units)		99	0
Residential Energy Efficiency Focus Area			
Home Energy Squad	80	193	378
Residential Heating & Cooling Rebates ¹⁰	856	1,408	1,837
Refrigerator Recycling	133	201	70
CenterPoint Energy Insulation Rebates	94	135	199
Renewable Energy Focus Area			
Renewable Subscriptions: Business	12	14	11
Renewable Subscriptions: Residential	1,015	1,406	440
On-Site Solar: Business	15	15	5
On-Site Solar: Residential	58	74	8
Solar Gardens: Business	113	136	31
Solar Gardens: Residential	186	269	43

To measure the success of new strategies in the Business Energy Efficiency focus area, near-term targets were created for popular Xcel Energy business sector programs using a three-year baseline from 2019 through 2021 (*Table 4*). Progress will be measured from October 2022 through March 2024.

¹⁰ Xcel Energy's approved 2021–2023 Triennial Plan combined Residential Heating and Residential Cooling programs. For purposes of this addendum, historic participation and goals have been combined to stay consistent with program reporting.

Table 4: Business Energy Efficiency Focus Area Goals for Phase 2 Implementation

Business Energy Efficiency	Baseline Participation	Implementation Phase 2 Target
Energy Design Assistance	3	3
Energy Efficient Buildings	5	12
HVAC +R Efficiency	32	57
Lighting Efficiency	92	110
Business Energy Assessments ¹¹	2	5
Small Business Lighting	43	58

To measure the success of new strategies in the Electric Vehicle and Charging Infrastructure focus area, Minnetonka has set a goal to increase EV ownership, aligning with Minnesota Department of Transportation’s goal for 20% of all passenger vehicles to be EVs by 2030. The goal of this plan is to increase the number of registered EVs in the city 107% by 2030, resulting in 1,000 registered EVs in Minnetonka. The City will monitor the number of EVs owned in Minnetonka annually and Implementation Phase 2 target will be measured at the end of 2024, when updated vehicle registration data is available. As of December 2021, there were 484 EVs registered in Minnetonka.¹²

Table 5: 2030 Electric Vehicle Goal

	Actual 2021	Implementation Phase 2 Target	Goal 2030
EVs registered in Minnetonka	484	129	1,000

¹¹ Business Energy Assessments is a new program from Xcel Energy starting in 2022. Baseline participation includes historic participation in the Recommissioning and Turn-Key Assessment programs, which are now a part of the Business Energy Assessments program.

¹² Minnesota Department of Transportation Electric Vehicle Dashboard, <http://www.dot.state.mn.us/sustainability/electric-vehicle-dashboard.html>, accessed June 14, 2022.