



Partners in Energy Workshop 2

December 9, 2019
6:00-8:30 p.m.
Minnetonka City Hall

Agenda

Time	Activity
6:00	Welcome and Agenda Review
6:15	Review of Workshop 1 Questions & Bike Rack, Energy Vocabulary, Xcel Energy Carbon Free Goals
6:55	Vision Statement Review
7:05	Goal Discussion
7:35	BREAK
7:50	Focus Areas
8:20	Wrap-Up

Energy Action Team Members in Attendance

- Ben Jacobs, resident and Park Board member
- Brian Golob, resident and member of Minnetonka Climate Initiative
- Dennis Yockers, St. Luke Presbyterian Church,
- Drew Ingvalson, planner, City of Minnetonka
- Emma Schoppe, local energy policy manager, CenterPoint Energy
- Gabi Tan, student and member of Minnetonka Climate Initiative
- Jamie Johnson, Partners in Energy community facilitator
- Loren Gordon, city planner, City of Minnetonka
- Marisa Bayer, Partners in Energy community facilitator
- Matt Henry, Planning Commission member and 2040 Comprehensive Plan Committee member
- Megan Park, resident and owner, Unmapped Brewery
- Michelle Swanson, community relations manager, Xcel Energy
- Mike Holsinger, Partners in Energy community facilitator
- Skyler Seets, student and member of Minnetonka Climate Initiative
- Thomas Scott, president, Senior Advisory Board
- Tami Gunderzik, Partners in Energy program manager, Xcel Energy
- Yvonne Pfeifer, community energy efficiency manager, Xcel Energy



PARTNERS IN ENERGY
An Xcel Energy Community Collaboration

Planning Workshop Guests

- Deirdre Coleman, Partners in Energy community facilitator

Energy Action Team Members not in Attendance

- Charlie Yunker, resident and Chair, Economic Development Advisory Commission
- Dan Duffy, resident and architect, Daniel K. Duffy Architects
- Julie Wischnack, community development director, City of Minnetonka
- Kathryn Linafelter Johnson, resident
- Kevin Neuman, facilities director, Hopkins Public Schools
- Ryan Waldriff, operations director, Ridgedale Center

Welcome & Agenda Review

Mike Holsinger, Partners in Energy community facilitator

See Slides 1-4

Mike reviewed the workshop agenda and objectives, including anchoring the group in the Energy Action Plan development steps.

Mike also introduced Emma Schoppe from CenterPoint Energy, Minnetonka's natural gas provider.



Workshop 2. Photo credit: Partners in Energy.

Questions from Workshop 1

Workshop 1 Questions

Mike Holsinger, Partners in Energy community facilitator

See slides 5-16

Mike recapped outstanding questions from Workshop 1, including:

- Average equipment lifespan, including furnace, air conditioning, and water heaters. Data was sourced from the Minnesota Department of Commerce Division of Energy Resources.
 - Mike noted that these are average lifespans and that equipment use and climate will affect the equipment. For example, homeowners who not use their air conditioning that often in the summer months might extend the lifespan of their unit.
- Average home energy use, where heating and cooling accounts for 55% of a home's energy use, 15% for both appliance use and water heating, 10% for lighting, and 5% for electronics.
 - Mike noted this information is based on the [2018 Home Energy Guide](#) from the Minnesota Department of Commerce Division of Energy Resources.
- The types of projects being completed in Minnetonka by both homeowners and commercial buildings based on permits from the City of Minnetonka.
 - The City of Minnetonka staff noted that homeowners may not always pull a permit for a new water heating or furnace.

- The number of Home Energy Squad® visits completed in Minnetonka, year to date.
 - Minnetonka participation has increased, in part to City of Minnetonka covering half the cost for 140 visits.
 - Minnetonka City Council included funding in their 2020 budget to continue the buy-down program.
 - 170 Home Energy Squad visits have been completed year to date. Of those 170 homes, 138 received recommendations, and 20 of the 138 homes have earned rebates this year.
- Energy savings vs. energy reductions.
 - Energy savings is the result of a permanent change that results in using less energy for doing the same activity. E.g. a new furnace uses X% less to keep your home at the same temperature, all things being equal.
 - Energy reduction is the result of behavior change that causes less energy to be used. E.g. setting the thermostat lower reduces the energy used in your home.

Data Refresher

Jamie Johnson, Partners in Energy community facilitator

See slides 17-18

Jamie reviewed data from workshop 1 related to electricity and natural gas consumption and savings:

- In 2018, commercial and industrial customers accounted for 10% of customers, and consumed 65% of electricity and 40% of natural gas.
- Residential customer savings have stayed consistent over the three-year baseline, and commercial and industrial customers save the largest amount of energy through participation in Xcel Energy and CenterPoint Energy programs.
- Savings represents about 1.5% of electricity consumed and 1% of natural gas consumed.

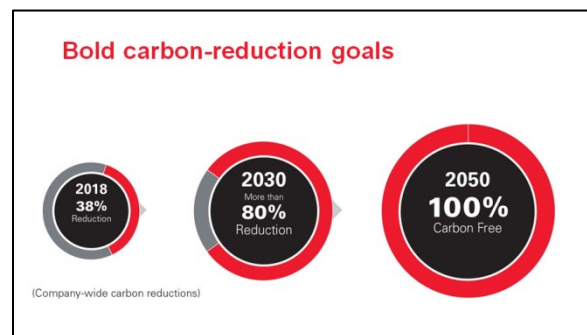
Xcel Energy's Carbon-free Future

Michelle Swanson, community relations manager, Xcel Energy

See slides 19-30

Michelle gave an overview of Xcel Energy's carbon-free vision, which sets a goal to provide carbon-free electricity by 2050. Xcel Energy prioritizes leading the clean energy transition reliably and affordably, which includes keeping bills low and enhancing the customer experience.

Xcel Energy is on track to provide 80% of carbon-free electricity by 2030 based on current technology. To achieve 100% carbon-free electricity by 2050, new technologies and innovations will be needed.



Xcel Energy's Carbon-reduction Goals

Xcel Energy's current strategies to achieve this goal:

- Close coal plants.
- Add more renewables.
- Continue carbon-free nuclear, which includes extending the life of the Monticello Generating Plant.
- Use natural gas as a bridge to future technologies.

Vision Statement

Mike Holsinger, Partners in Energy community facilitator

See slides 31-34

Mike discussed Minnetonka's energy vision and the feedback received from the Energy Action Team in a pre-workshop survey.

Feedback included adding information about residents, public and private buildings, sustainability, climate change, and the future generations.

[Minnetonka's Vision Statement after Workshop 2](#)

For people who care about responsible energy stewardship, Minnetonka will be their community of choice. We will lead the metro in efficient energy management. All of our buildings (both public and private) will be examples of the best approaches to using energy wisely.

The Minnetonka community will show that responsible resource management is a high priority here. We will support and celebrate community practices that ...

- *Improve our understanding of resource management*
- *Reduce the impact that we have on our changing climate and limited resources*
- *Let us enjoy the financial and health benefits of these activities*
- *Sustain our vibrant, attractive community for generations to come*

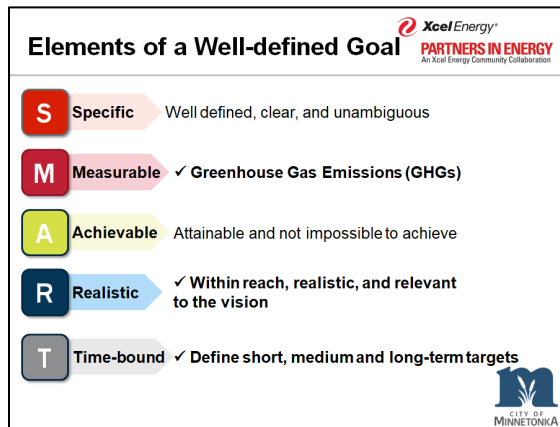
Goal Discussion

Mike Holsinger, Partners in Energy community facilitator

Marisa Bayer, Partners in Energy community facilitator

See slides 36-46

Mike reviewed best practices for setting SMART goals, which is the recommended method for goal setting during the Partners in Energy planning process. The Energy Action Team contributed ideas to the SMART goal framework through the pre-workshop 2 survey.



SMART Goal Framework

behind a message on greenhouse gas emission reductions. The discussion brought up that reducing greenhouse gas emissions is a message that is in the news right now and the most important aspect to fighting climate change. The discussion also clarified that although greenhouse gas emission reductions will not resonate with everyone in Minnetonka, you can use different messages when promoting the plan or a specific action (e.g. promote dollars saved to businesses).

Focus Areas

Mike Holsinger, Partners in Energy community facilitator

See slides 48-51

Mike transitioned the conversation to focus areas, which are the areas where the Energy Action Team wants to focus their efforts to achieve their SMART goal of reducing greenhouse gas emissions.

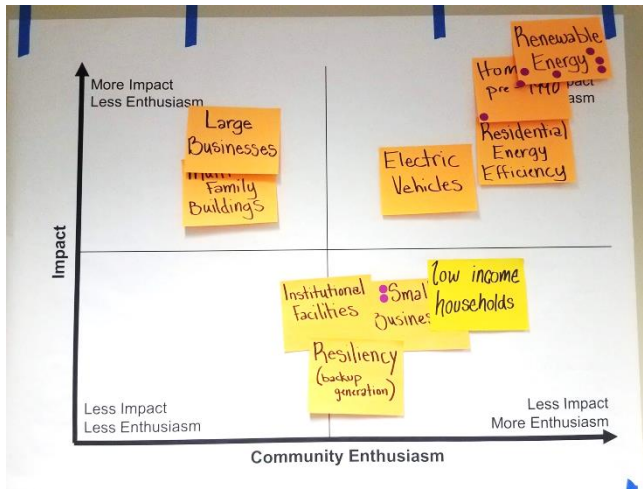
- Large businesses, defined as large energy users.
- Resiliency, including back up generation, micro-grids, and resiliency to climate impacts.
- Residential energy efficiency.
- Small businesses, defined as businesses who do not use a lot of energy, such as a retail business or office building.
- Homes built before 1990.
- Renewable energy, including both subscription programs and on-site installations.
- Institutions, including municipal buildings, schools in Minnetonka, places of worship.
- Multifamily buildings, which are buildings that have more than 5 units.
- Electric vehicles.
- Low-income households, defined as households making 50% of State Median Income (SMI).

Metrics: the Energy Action Team choose “energy saved” and “greenhouse gas emission reductions” at the top two metrics

Achievable vs. aspirational: the Energy Action Team voted for more aspirational goals to include in Minnetonka’s Energy Action Plan.

Time horizon: the Energy Action Team was split across short-term, medium-term, and long-term

Marisa facilitated a discussion on the right metric to include in a community-wide, overarching goal. Feedback included that residents, progressive businesses, and students will rally



Results of the focus area activity

The Energy Action Team identified where the focus areas would fall on an enthusiasm-impact matrix: impact on reducing greenhouse gas emissions and community enthusiasm.

After all the focus areas were placed on the enthusiasm-impact matrix, each Energy Action Team member was asked to pick their top priority focus area using purple dots. Renewable energy received the most votes, followed by small businesses, and homes built before 1990.

Wrap-Up

Mike Holsinger, Partners in Energy community facilitator

See slides 52-53

Mike closed the workshop with a reminder for the remaining workshop dates:

- Workshop 3: Wednesday, January 15
- Workshop 4: Wednesday, February 19
- Workshop 5: Wednesday, March 24

Minnetonka's Energy Action Team will be receiving an invitation to the [Partners in Energy Portal](#) via an email. If team members have a hard time registering, they can reach out to Jamie.

Bike Rack Items

- Corporate sustainability goals

Follow-up Items and Links

- [Xcel Energy Upper Midwest Energy Plan](#)
- [Xcel Energy Flex Pricing Pilot information](#)
- [Small-medium business study classification](#)
- [Home Energy Guide from MN Department of Commerce](#)
- [Income-qualified thresholds for programs](#)
- Electric vehicle registrations in Minnetonka: 221 DMV registrations as of May 2019
 - State total: 10,157
 - Source: Minnesota DMV registrations