



**PLANNING AND DEVELOPMENT DEPARTMENT MEMORANDUM  
#27-2019**

**DATE:** April 15, 2019

**TO:** Honorable Mayor Carol Dodge and City Council Members

**THROUGH:** Heather Geyer, City Manager 

**FROM:** Brook Svoboda, Director of Planning and Development   
Becky Smith, Planning Manager

**SUBJECT:** Xcel Partners in Energy Program

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**PURPOSE**

Provide background into the City's acceptance in the Xcel Partners in Energy Program. Staff will be bringing forward a resolution for Council to approve a Memorandum of Understanding (MOU) for the City to enter into the partnership with Xcel at the April 22, 2019 Council meeting. Staff would also like to gauge interest in designating a Council representative to participate in the stakeholder committee for the energy planning process.

**BACKGROUND**

In September 2018, City Council adopted the Northglenn Sustainability Plan. In the Plan the City identified the following targets related to energy:

- Reduce community-wide commercial energy usage by 15% by 2025
- Reduce community-wide residential energy usage by 15% by 2025
- Reduce municipal energy usage by 25% by 2030
- Increase affordability by reducing energy costs. Decrease residential energy usage by 25% by 2038
- Increase number of businesses participating in sustainability programs by 10% by 2020

In January of 2019, staff responded to a call Xcel put out for the next round of participation in its Partners in Energy Program. The program is a collaboration between Xcel and the City to develop an Energy Action Plan to help the City reach its energy goals. The program is designed to provide tools and resources necessary to develop and implement an energy action plan that reflects the vision of Northglenn for shaping energy use and supply in the future. Participation in the program will span 24 months with the initial 6-9 months dedicated to developing the energy action plan and the remaining time focused on implementing that plan.

Partners in Energy aims to:

- Develop and document our community's long-term energy vision
- Identify the appropriate goals and strategies to help achieve that vision
- Engage and motivate our community to take action to achieve goals
- Monitor and track our results
- Celebrate our achievements and promote our successes
- Carry forward our energy momentum for the long-term

This is an opportunity for the City to leverage Xcel Energy's resources to identify cost savings, support economic development, and save energy. The two-year Partners in Energy process consists of:

- Working with community representatives for an initial 6 months to develop a vision, goals and action plan for the community.
- An 18-month implementation stage to engage the community and work together to meet the community's energy goals.

A stakeholder committee will be formed to participate in the Energy Planning Process and will include both key staff as well as community members who may have interest and/or expertise to offer to the process. The committee members will participate in three to four facilitated workshops over a six to nine month period to help develop Northglenn's goals, strategies, and a plan of action. The workshops will be held first thing in the morning to best accommodate the schedules of our participants.

#### **STAFF RECOMMENDATION**

Staff recommends City Council consider participation in the Partners in Energy Program.

#### **BUDGET/TIME IMPLICATIONS**

The request does not have any direct budgetary impacts at this time; however, the strategic plan that comes out of the energy planning process may require additional funding to implement.

#### **STAFF REFERENCE**

If Council members have any comments or questions they may contact Brook Svoboda, Director of Planning and Development, at 303.450.8937 or [bsvoboda@northglenn.org](mailto:bsvoboda@northglenn.org).



# Partners in Energy Overview

April 15, 2019

# Partners in Energy Scope

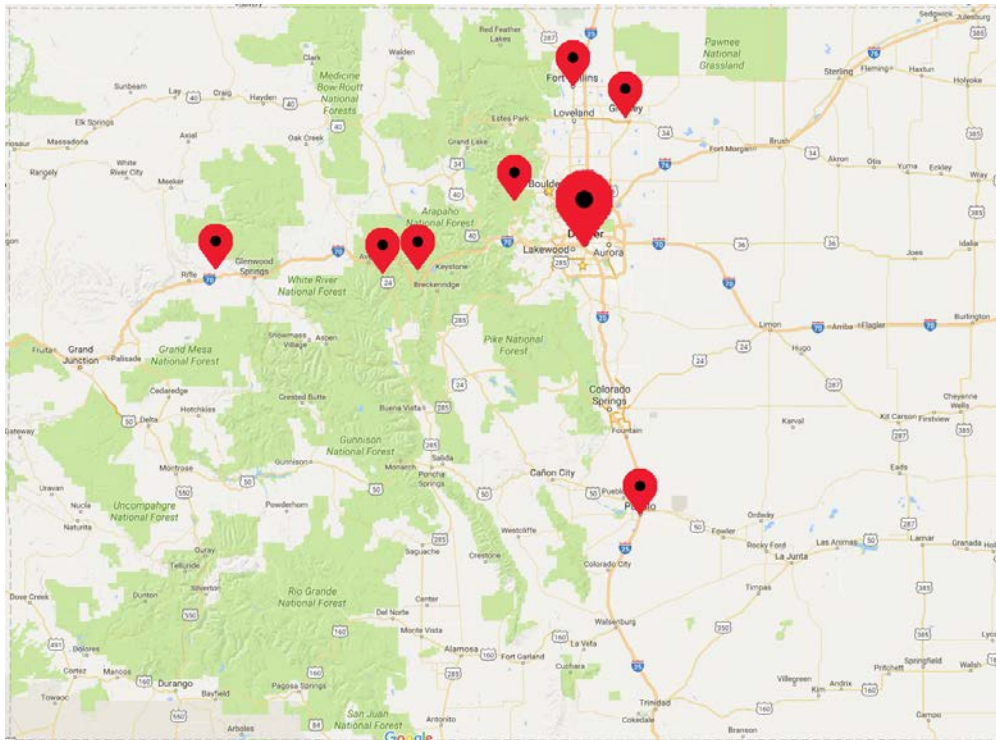
Partners in Energy is a 2-year collaboration with Xcel Energy to develop and implement energy plan goals.

Xcel Energy provides tools and resources to enable community-driven energy planning and implementation.

**Planning**  
(6 months)

**Implementation**  
(18 months)

# CO Partners in Energy Communities



- Broomfield
- Centennial
- Denver
- Englewood
- Erie
- Fort Collins
- Greeley
- Lafayette
- Littleton
- Louisville
- Minturn
- Nederland
- Northglenn
- Pueblo
- Westminster
- Wheat Ridge
- Garfield County
- Jefferson County
- Summit County
- National Western Center

Basemap Credit: Google Maps

# Xcel Energy's Goals

- Develop a better understanding of the energy needs of communities it serves
- Better align the services and programs offered with customer needs to save energy and advance clean energy goals
- Strengthen relationships with the community and support the Xcel Energy philosophy of community engagement



Photo Credit: City of Northglenn  
Xcel Partners in Energy Program - Page 6 of 12

# Northglenn's Objectives

## Why Partners in Energy?

- Xcel Energy is the community's gas and electricity provider and partner
- Partners in Energy will support Northglenn's Sustainability Plan energy goals and targets
- Partners in Energy expertise and technical resources will help Northglenn determine biggest energy related issues

## Process Objectives

- Leverage resources to benefit community
- Develop a community-wide Energy Action Plan

# Benefits to Participating

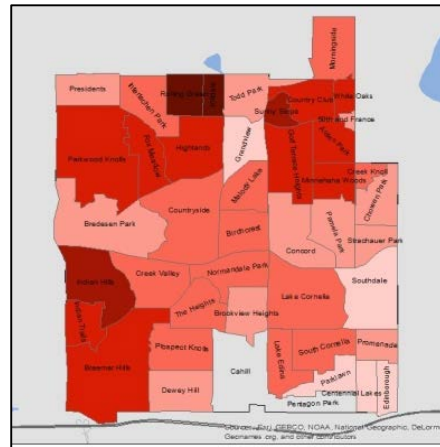
- 1 Tools and resources to develop and execute an energy action plan, provided at no cost to community
- 2 Community energy data to see baseline performance and assist in tracking implementation success
- 3 Increased awareness for residents, municipal staff, and businesses about energy-saving programs and resources
- 4 Economic development by leveraging utility programs to drive improvements and energy savings



# Resources for Planning



**Facilitation  
& Guidance**



**Data**



**Project  
Management**

# Resources for Implementation

**Energize Your Home**

**Energize Maplewood! Residential Energy Challenge**

**Challenge beginning this FALL, form or join a team NOW**

**Things to know:**

- 6 month challenge sponsored by Maplewood and Xcel Energy
- You can form a team or join an existing team
- Through energy actions, tracking, and friendly competition participants will work to be the "biggest loser" and reduce their energy footprint- and get prizes for winning!
- All Xcel Energy customers are eligible to participate

**For More Information:**  
[www.ci.maplewood.mn.us/energychallenge](http://www.ci.maplewood.mn.us/energychallenge)

XCEL ENERGY IS PLEASED TO PARTNER WITH YOUR COMMUNITY TO HELP YOU SAVE ENERGY AND MONEY. IT'S NOT A CHALLENGE FOR MAPLEWOOD RESIDENT GENE MAMMERS WHO INSTALLED A REUSABLE CLOTHES LINE TO DRY CLOTHES OUTSIDE.

## Marketing & Communications

**Add "Saving Money" to Your Winterizing Checklist**

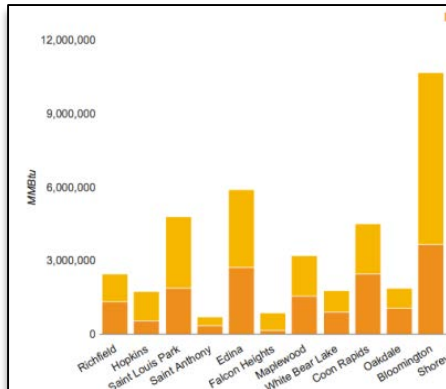
**INCLUDE THESE ITEMS ON YOUR CHECKLIST**

- Reduce energy use and improve your return on investment
- Save up-front costs
- Integrate equipment monitoring and control
- Control low-voltage system operations
- Enhance occupant comfort and increase customer satisfaction

**REBATE SNAPSHOT**

Efficiency Measure	Rebate
90% Efficient Furnace	\$1,000/million BTU/yr
90% Efficient Water Heater	\$1,500/million BTU/yr
90% Efficient New Boiler	\$500/million BTU/yr
90% Efficient Steam Boiler	\$500/million BTU/yr
<b>Maintenance</b>	
Tune-ups	25% of tune-up cost up to \$200/boiler
Steam trap repair or replacement	\$30/trap repaired or replaced
<b>Pipe Insulation</b>	
0.5" to 2" diameter with R-Value 3.5-4.0	\$2/linear foot
0.5" to 1.5" diameter with R-Value 3.5-4.0	\$3/linear foot
2.5" to 3" diameter with R-Value 7+	\$4/linear foot
<b>Controls</b>	
Chillers	\$5/ton
Boilers	\$400/ton
Controls	\$10/ton

## Program Expertise



## Data Tracking/ Measurement



## Project Management

# Proposed Process



**PARTNERS IN ENERGY**  
An Xcel Energy Community Collaboration

Intake	Workshop 1	Workshop 2	Workshop 3	Workshop 4	Next Steps
March/April	May	June	July	August	Sept '19 – Mar. '21
<ul style="list-style-type: none"> <li>• Kickoff &amp; Orientation</li> <li>• MOU Finalization</li> <li>• Data Processing</li> </ul>	<ul style="list-style-type: none"> <li>• Present Energy Baseline</li> <li>• Explore Vision &amp; Focus Area Concepts</li> </ul>	<ul style="list-style-type: none"> <li>• Confirm Vision &amp; Focus Areas</li> <li>• Explore Draft Goals</li> <li>• Brainstorm Strategies</li> </ul>	<ul style="list-style-type: none"> <li>• Prioritize Strategies</li> <li>• Refine Goals</li> <li>• Begin Action Planning</li> </ul>	<ul style="list-style-type: none"> <li>• Finalize Energy Action Plan</li> <li>• Shift to Implementation</li> </ul>	<ul style="list-style-type: none"> <li>• Implement Strategies</li> <li>• Engage community</li> <li>• Track Results with Data</li> </ul>



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# Questions?

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