



Bloomington's Energy Action Plan Partners in Energy Debrief

City of Bloomington | Bloomington Public Works
December 9, 2019

Agenda & Objectives

Agenda

1. Welcome & Introductions
2. Bloomington's Energy Action Plan in Review
3. Implementation Successes and Challenges
4. Partners in Energy Experience
5. Next Steps

Bloomington's Energy Action Plan in Review

Bloomington Energy Action Team



Bloomington's Energy Action Plan

An Energy Action Plan for
Bloomington, MN



May 7, 2018

One Bloomington:

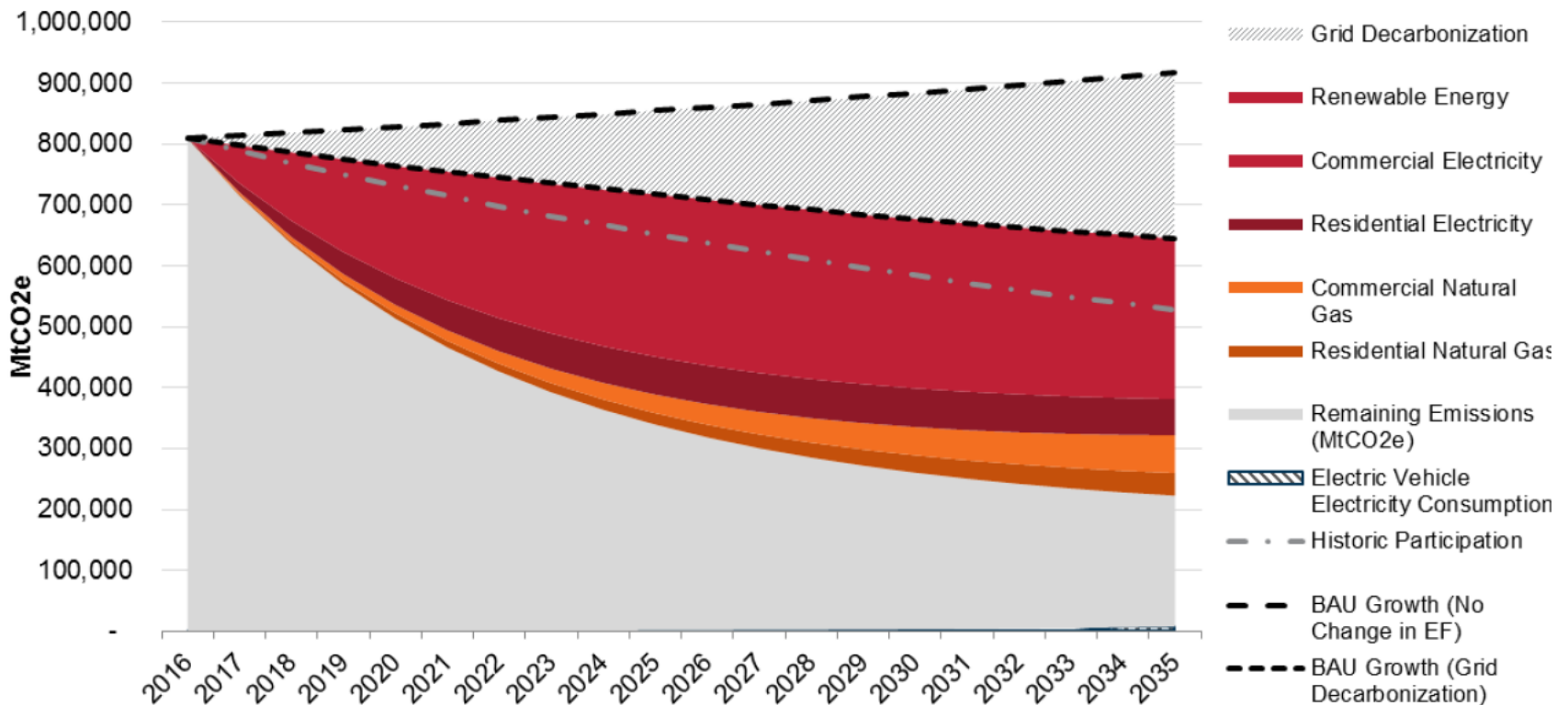
*We are a community that includes all residents, working together to accomplish the same goals. We live in different neighborhoods, but we're not defined by boundaries. We are united, not by sameness, but by our desire to build a strong community that we can all enjoy. **We are One Bloomington.***



Bloomington's Energy Action Plan

Emissions Goal:

75% reduction in city-wide energy-related greenhouse gas emissions by 2035



Bloomington's Energy Action Plan

Transportation Goal:

Pursue all viable opportunities for promoting the elimination of vehicle emissions, including...

- Support for electric vehicles,
- Increased public transportation,
- Higher-density and mixed-use zoning,
- Additional biking and pedestrian infrastructure, and
- Telecommuting.



Bloomington's Energy Action Plan

Focus Areas:

Business

Municipal

Residential

Electric Vehicles

Implementation Overview

Implementation Overview

- **Home Energy Squad[®] outreach**
 - Social media posts
 - Testimonials
 - Tabling at events
 - Income-qualified outreach
- **Windsorce promotion**
 - Windsorce Challenge
- **Electric Vehicle outreach**
 - Farmer's market and Oak Grove Presbyterian events
 - Social Media
- **Congregation outreach**
- **Multifamily outreach**
 - Ongoing



POWER YOUR HOME WITH SOLAR ENERGY
Residential Solar Checklist

BEFORE YOU BEGIN
Reduce the amount of energy your homes uses by increasing your home's energy efficiency. Signing up for a Home Energy Squad[®] visit is a great way to identify energy-saving improvements. During your visit you will receive free energy-saving installations such as: LED light bulbs, a programmable thermostat, door weather stripping, and more. Visits also include a blower door test to measure for air leaks, an insulation inspection, a safety check on your heating system, and help with next steps.
Visit blm.mn/HES or call 612-328-6220.

1. Identify energy-saving opportunities.
2. Schedule a Home Energy Squad visit.
3. Receive a Home Energy Squad report and recommendations.
4. Identify financing opportunities. Home Energy Squad loans are available for homeowners and ground-mount solar.

Contact the Energy and [612-335-5888](http://blm.mn/HES) blm.mn/HES

Bloomington MN City Government
September 11 at 6:30 PM

"My Home Energy Squad visit was so easy. The crew took care of everything, suggested upgrades, and sent a polite follow-up email for 3% financing on new equipment. Here is a picture of my daughter with the new cool-to-the-touch LED bulbs." Joe, actual Bloomington resident
Sign up for a Home Energy Squad visit today. blm.mn/HES

4. Identify financing opportunities. Home Energy Squad loans are available for homeowners and ground-mount solar.
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Implementation Overview

- **Bloomington Best Practice Energy Tours**
 - 6 tours completed to date
- **Business Case Studies and Success Stories**
 - Two case studies
 - Video promotion
- **Energy Assessment buy-down**
 - Free walk-thrus at businesses in Lyndale Corridor
 - City buy-down of discounts for 15 Xcel Energy Turn Key Services Assessments



Business Focus Area

Progress Towards Goals

Business Focus Area

70 businesses
participate in an
energy audit or
recommissioning
study

Double baseline
energy efficiency
program
participation

10 additional
businesses
subscribe to
renewable energy
or a solar garden

Outreach Materials

YOU'RE INVITED!

Xcel Energy and the City of Bloomington invite you to learn how your business, congregation, or organization can save money on energy bills. Join us at Oak Grove Presbyterian, receive a tour, and participate in discussions about how a local congregation successfully implemented energy efficiency measures and reduced costs, all while helping the environment.

[RSVP Today](#)

[BLOOMINGTON ENERGY](#)

YOU'RE INVITED!

Bloomington Business Energy Tour

Xcel Energy and the City of Bloomington invite you to learn how your business can save money on energy bills. Join us at HealthPartners Corporate, receive a tour, and participate in discussions about successes in energy projects completed in leased spaces.

[RSVP Today](#)

[BLOOMINGTON BUSINESS ENERGY](#)

SCHEDULE YOUR FREE ENERGY WALK-THROUGH TODAY.

The City of Bloomington and Xcel Energy are offering local businesses a free 30-45 minute walk thru to uncover the top three energy-saving opportunities. Contact us to schedule your free walk-thru for Oct. 7 or Oct. 9.

[Schedule Today](#)

YOUR ENERGY-SAVING PARTNER

ATTEND THERMO KING ENERGY TALK AND TOUR.

See energy savings in action! Thermo King Corporation is hosting our fifth Bloomington Businesses Best Practices Energy Tour at 3 pm on Oct 10 for an insightful energy talk and tour.

[Reserve Your Seat](#)

Outreach Materials



PARTNERS IN ENERGY
An Xcel Energy Community Collaboration



From the very beginning, the owners of Minnesota-based Quality Bicycle Products (QBP) wanted to create a brand that reflected their values of superior products and customer service. As part of that mission, they've incorporated sustainability into their business, to lower their energy bills, reduce their carbon footprint and give employees another reason to feel good about working there.

As a result of that goal, maintenance staff at QBP's Bloomington location integrated a number of sustainable improvements throughout the campus, to include high-efficiency equipment, parking lot rain gardens, reused construction materials, and solar panels. They built efficiency in from the ground up on an addition to a building in 2007, awarding them LEED Gold certification for their efforts.

All of these individual company projects fit into a larger community goal the city has to reduce energy use, take advantage of renewable technology and get others to get in on the effort.

SMART LIGHTING CHOICES

Lighting improvements pay back quickly, which is why lighting is often the first thing a company will upgrade in an effort to use less energy and lower bills. QBP began in the warehouse of their Bloomington facility by installing a networked lighting system. The system allows them to program their lighting with automated shut-offs based on location and time of day.

"The bulbs are set up to use daylight harvesting to take advantage of ambient light," says facilities supervisor Duke Rembleski. "If daylight makes the room bright enough, the lights shut off." For example, the first row or two of lights near the windows may turn off on sunny days, but on cloudier days, they'll turn on to the minimum output needed to reach the 40 percent threshold.

"We can run different lighting systems that show us how many kilowatt-hours we use with daylight harvesting."

Facilities Supervisor
Duke Rembleski



WAREHOUSE LIGHTING

Project: Digital Lumen and outbound warehouse
Estimated project cost: \$86,400
Total annual energy savings: 327,500 kWh
Annual energy cost savings: \$31,400
Annual maintenance savings: \$5,400
Rebate & bonus amount: \$22,250
Simple payback: 2.3 years



At Donaldson Company in Bloomington, Minnesota, continuous innovation and improvement are part of the company culture. For over 100 years, this filtration system

"We think about saving energy in everything we do. It's in our genes."

Donaldson Facility Engineering Manager
Bill Coldwell

opportunities within its own facility in 44 countries, to operate and maintain the system.

The assessment has paved the way for a number of energy related projects that have saved the company resources and money.

By investing in energy efficiency into the City of Bloomington's facilities, we reduce energy use, invest in sustainable technology and encourage others to join in.

Facilities Manager Bill Coldwell began energy efficiency at the company's global headquarters by conducting a process efficiency assessment on six company-owned campus facilities. Xcel Energy's Process Efficiency Assessment is a half-million-square-foot campus assessment that identifies opportunities. The assessment provides recommendations. With the list in hand, the company can begin implementing projects, completing 40 projects in

the first 90 days of the methodical plan, starting with the most impactful projects first. By starting with smaller, more achievable projects, the company is able to garner support for

the project by stripping doors and conducting energy audits, or upgrading programmable logic controller (PLC) equipment operating schedules. The assessment is estimated to have saved the company \$56,000 annually, resulting in a simple payback of

less than 2.3 years. As more as savings continue to

accumulate, many of the assessment projects were not completed within the



PROCESS EFFICIENCY SNAPSHOT

Project: Process Efficiency Assessment
Number of projects implemented: 40
Estimated project cost: \$228,000
Annual energy costs savings: \$56,000
Total rebate amount: \$19,200
Simple payback: Under 4 years

Bloomington Best Practice Energy Tours



PARTNERS IN ENERGY
An Xcel Energy Community Collaboration

Tours of energy efficient businesses and nonprofits, sponsored by the Sustainability Commission and hosted by business and organizations

- **Impact:**

- 6 tours held in 2018 & 2019
- 30-50 attendees each
- Expanded efforts to include nonprofits and congregations



Business Case Studies and Success Stories



PARTNERS IN ENERGY
An Xcel Energy Community Collaboration

Creating case studies and digital stories to share businesses successes and best practices

- **Impact:**

- Two case studies completed
- Two videos completed, one in the works
- Case Studies and videos shared on social media



QUALITY BICYCLE PRODUCTS:
Smart Business Solutions Start with Efficiency

From the very beginning, the owners of Minnesota-based Quality Bicycle Products (QBP) wanted to create a brand that reflected their values of superior products and customer service. As part of that mission, they've incorporated sustainability into their business, to lower their energy bills, reduce their carbon footprint and give employees another reason to feel good about working there.

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Warehouse Lighting

Project: Digital Lums and outbound waste
Estimated project cost: \$86,400
Total annual energy: 327,500 kWh
Annual energy cost: \$31,400
Annual maintenance: \$5,400
Rebate & bonus amount: \$22,250
Simple payback: 2.3 years

DONALDSON COMPANY
Increasing efficiencies and reducing waste

At Donaldson Company in Bloomington, Minnesota, continuous innovation and improvement are part of the company culture. For over 100 years, this filtration system manufacturer has been a part of the community. For over 100 years, this filtration system manufacturer has been a part of the community. For over 100 years, this filtration system manufacturer has been a part of the community.

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Donaldson Facility Engineering Manager Bill Coldwell

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"We can run different that show us how kilowatt-hours we with daylight have"
Facilities Supervisor Duke Rembelski

Bloomington MN City Government
June 29
Donaldson Company worked with Xcel Energy and identified 100+ ways to save energy. Projects ranged from weather stripping doors to installing or upgrading programmable controls. The first 40 projects are estimated to have saved the company just over \$56,000 annually, resulting in a simple payback of less than four years.
Read more about this and other sustainability success stories at [bim.mn/sustainability](#).

In 2016, the Bloomington City Council completed a strategic planning...

Bridging MN Congratulations to our friends Donaldson Company!

Energy Assessment Buy-down



PARTNERS IN ENERGY
An Xcel Energy Community Collaboration

The City of Bloomington bought down the cost of 15 energy assessments

Direct outreach to eligible business

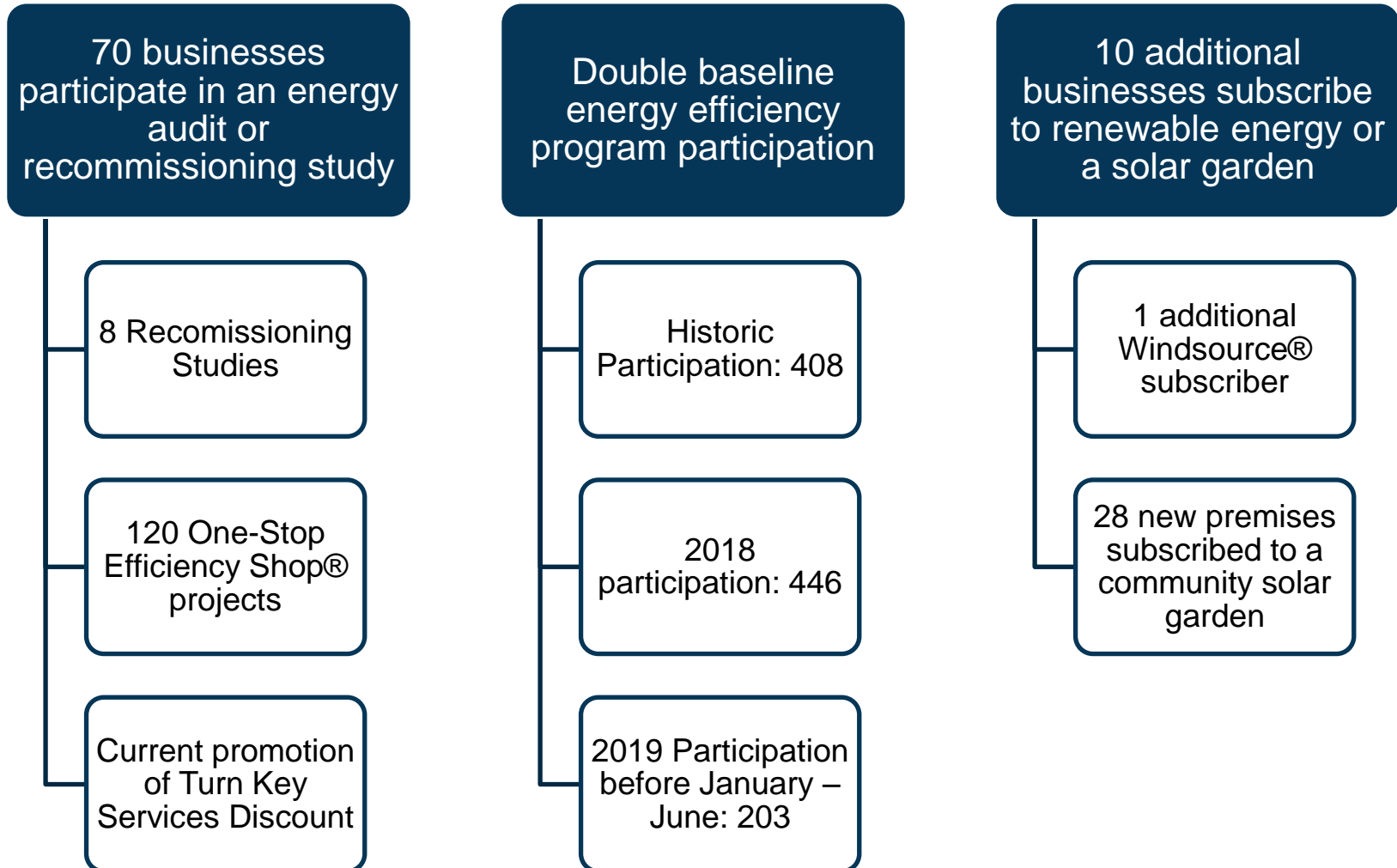
- **Impact:**
 - Contacted 34 businesses and nonprofits
 - 12 free walk-thrus completed
 - 7 recommended for a full Turn Key Services Assessment

Question: What follow-up is needed?

The screenshot shows the City of Bloomington website page for the "Bloomington Business Energy Assessment Buy-Down" program. The page features a navigation bar with links for HOME, RESIDENTS, BUSINESS, GOVERNMENT, ARTS AND RECREATION, and ENVIRONMENT. A search bar is located in the top right corner. The main content area includes a "SUSTAINABILITY LINKS" sidebar with options like Sustainability HOME, Sustainability Commission, Energy and Carbon, Business Energy Assessment, Water Conservation, Ecological Land Stewardship, and Solid Waste. The main heading is "Bloomington Business Energy Assessment Buy-Down". Below this, there is a section titled "Helping your business save money" which describes the program's goal to help businesses save money through energy assessments. A "Contact Information" section lists Ellen Biales, Deputy Director of Public Works, with her phone number (952-563-8730) and email address (ebiales@bloomingtonmn.gov). A "Find energy" section mentions Xcel Energy's Turn Key Services Assessment. A "HELPING YOUR BUSINESS SAVE MONEY" banner is overlaid on the page. Below the banner, there is a section titled "HALF-OFF TURN KEY ASSESSMENTS FOR BLOOMINGTON BUSINESSES" with an "Application for Funds" form. The form includes a list of requirements for businesses to apply for funding, such as being located within the City of Bloomington and being a retail electricity customer of Xcel Energy. The form also includes a "CONTACT INFORMATION" section with fields for Business Name, Date, Contact Name, Site Address, Primary Phone #, and Email Address. The page footer includes the Xcel Energy logo and the "PARTNERS IN ENERGY" logo, along with a statement of support from Xcel Energy, the Bloomington Sustainability Commission, and the City of Bloomington.

Progress Towards Goals

Business Focus Area



Municipal Focus Area

Goals

Municipal Focus Area



Hire a full-time
sustainability
professional

Benchmark city
facility energy use
and develop a
strategic plan for
identifying savings
opportunities and
begin plan
implementation

Join SolSmart and
review city
practices around
solar


SolSmart Designation

Municipal Focus Area




BLOOMINGTON ^{MN}

Designation Level: SolSmart Gold

 Special Awards Earned In: Inspection

[VIEW WEBSITE](#) [SHARE PROFILE](#)

TECHNICAL ASSISTANCE ORGANIZATION



NREL
NATIONAL RENEWABLE ENERGY LABORATORY

“The City of Bloomington is eager to encourage solar installations to lower greenhouse emissions and utility bills for our local residents and businesses. A simple, streamlined process for solar permitting and inspections is a critical piece of that effort.”

—Joe Strommen, Bloomington Sustainability Commissioner

Progress Towards Goals

Municipal Focus Area

Hire a full-time sustainability professional

Completed November 2019

Benchmark city facility energy use and develop a strategic plan for identifying savings opportunities and begin plan implementation

Ongoing activity

Join SolSmart and review city practices around solar

Achieved Gold award in February 2019

Residential Focus Area

Goals



PARTNERS IN ENERGY
An Xcel Energy Community Collaboration

Residential Focus Area

Home Energy
Squad[®] visits:
350 in 2018
and 500 in
2019

Windsorce
and
Renewable*
Connect: 350
in 2018 and
500 in 2019

At least four
multifamily
buildings engage
in energy efficiency
programs annually
during 2018 and
2019

Outreach Materials



PARTNERS IN ENERGY
An Xcel Energy Community Collaboration

Bloomington MN City Government
October 9 at 6:30 PM

"The Home Energy Squad visited our house for a couple of hours. After installing a few free LED bulbs, they recommended enhancing our attic insulation, which we did. Watson, our dog, now gets in 18-hour, draft-free sleep days. Best \$50 we have spent." – Steve, actual Bloomington resident
Sign up for Home Energy Squad visit today. blm.mn/HES

CITY OF BLOOMINGTON MINNESOTA

Bloomington MN City Government
@blm.mn

Home
About
Posts
Videos
Events
Photos
Get email updates
Community
Web policy
Info and Ads
Create a Page

1 Comment 5 Shares

Bloomington MN City Government
15 hrs

Bloomington residents: The Home Energy Squad® will visit your home for only \$50 and install energy-saving improvements like weatherstripping, a programmable thermostat, energy-efficient lights, high-efficiency shower heads, faucet aerators, and more.
Get a visit scheduled and start saving money! blm.mn/HES

Energy Squad Enhanced

Like Comment Share

Bloomington MN City Government
17 hrs

"My Home Energy Squad visit was so easy. The crew took care of everything, suggested upgrades, and sent a polite follow-up email for 3% financing on new equipment. Here is a picture of my daughter with the new cool-to-the-touch LED bulbs." Joe, actual Bloomington resident
Sign up for a Home Energy Squad visit today. blm.mn/HES

Like Comment Share

Bloomington MN City Government \$50 (reduced-cost) visits are available to Bloomington residents for a limited time and are made possible by the Bloomington HRA. Free visits are available to income-qualified residents. Call 866-222-4595 to see if you qualify for a free visit.
Like Reply 20h

We had this done in our home and highly recommend! They ended up replacing about 23 of our old lightbulbs with new LED ones which that alone would have cost us way more than \$50 at the store.

Like Reply 6d

Outreach Materials



PARTNERS IN ENERGY
An Xcel Energy Community Collaboration

BLOOMINGTONMN.gov

HOME RESIDENTS BUSINESS GOVERNMENT ARTS AND RECREATION ENVIRONMENT

Join a renewable energy challenge

Bloomington is excited about the future of renewable energy. The City recently completed an Energy Action Plan through Xcel Energy's Partners in Energy program. You can be a part of the plan, too. The Sustainability Commission's challenge to you: Help reduce greenhouse gas emissions by subscribing to a renewable energy program.

The Commission's goal is for 100 new subscribers to sign up for Xcel Energy's Windsource® in August. Residents who sign up for a subscription to help Bloomington reach its energy goals before September 15 can enter a drawing to win a \$100 gift card.

Contact Information
Sustainability
[952-563-8730](tel:952-563-8730)
sustainability@BloomingtonMN.gov

Bloomington MN City Government
September 5 · 🌐

Over 1,500 of your Bloomington neighbors are already reducing their carbon footprint. Subscribe to a renewable energy program today! Renters and homeowners can participate. New subscribers who sign up before September 15 can enter to win a \$100 gift card!
*Form submission required to win.

Subscribe to Wind Energy and Enter to Win a \$100 Gift Card

5 Comments 2 Shares

Comment Share

CITY OF BLOOMINGTON MINNESOTA

CONGRATULATIONS ON BEING SELECTED AS A WINNER FOR
BLOOMINGTON'S WIN WITH WIND CHALLENGE!

THANK YOU FOR HELPING THE CITY OF BLOOMINGTON REACH ITS ENERGY GOALS!

Outreach Materials



PARTNERS IN ENERGY
An Xcel Energy Community Collaboration

FREE ENERGY VISITS FOR INCOME-QUALIFIED RESIDENTS!

The City of Bloomington, the Bloomington HRA, and Xcel Energy are teaming up to help connect income-qualified residents in Bloomington with free Home Energy Squad visits.

HOME ENERGY SQUAD VISITS INCLUDE:

A team of energy consultants will evaluate energy-saving opportunities and offer you choices among these services:

- Installation of free materials such as LED bulbs, a programmable thermostat, door and attic hatch weather stripping, high-efficiency showerhead and faucet aerators
- Inspection of your attic and wall insulation
- A combustion safety test and carbon monoxide check
- Help with next steps

DO YOU QUALIFY?

If you live in a 1-4 unit building and your household size meets the annual income limits listed below, you qualify for a free visit. You will be asked to sign a waiver verifying your household income at the beginning of your visit.

Household Size	Income Limit
1	\$25,983
2	\$33,978
3	\$41,973
4	\$49,698
5	\$57,963
6	\$65,958
7	\$67,457
8	\$68,956

SCHEDULE YOUR VISIT TODAY!

866-222-4595

For more information visit: blm.mn/HES

Ask about translation availability when scheduling



XCEL ENERGY AND THE CITY OF BLOOMINGTON ARE PLEASED TO WORK TOGETHER TO ACHIEVE OUR COMMUNITY ENERGY GOALS.

Home Energy Squad is provided by CenterPoint Energy and Xcel Energy.

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Outreach Materials



PARTNERS IN ENERGY
An Xcel Energy Community Collaboration

POWER YOUR HOME WITH SOLAR ENERGY

Residential Solar Checklist

BEFORE YOU BEGIN

Reduce the amount of energy your homes uses by increasing your home's energy efficiency. Signing up for a Home Energy Squad® visit is a great way to identify energy-saving improvements. During your visit you will receive free energy-saving installations such as: LED light bulbs, a programmable thermostat, door weather stripping, and more. Visits also include a blower door test to measure for air leaks, an insulation inspection, a safety check on your heating system, and help with next steps.

Visit blm.mn/HES or call 612-328-6220.

START PLANNING

1. Determine your home's solar potential

It's important to consider your home's solar potential before deciding if installing solar is right for you. You can get a sense of your home's potential using the Minnesota Solar Suitability App. Visit mn.gov/SolarApp.

2. Talk to the City:

It's important to talk to the City's Building Department about your project so you know what special use permit you may need. Contact the building department at 952-563-8930 or inspections@BloomingtonMN.gov.

3. Talk to your HOA:

If you live in a community that has a Homeowners Association, it's important to know if there are any restrictions to installing rooftop or ground mount solar. Contact your HOA directly.

4. Identify financing opportunities:

Low-interest loans are available to help homeowners add rooftop or ground mount solar at their home.

Contact the Center for Energy and Environment at 612-335-5884 or mnlendingcenter.org.

Make an Impact with Wind Energy

Xcel Energy®

Windsource®

Take advantage of the Energy Tax Credit that runs out!

2019 is the final year to claim the 30% Residential Energy Tax Credit, which allows you to claim a 30% credit on your federal tax return for the costs of the system. Projects must be installed by December 31, 2019 — don't miss your opportunity to take advantage of this tax credit!

POWER YOUR ELECTRIC VEHICLE WITH WIND ENERGY

Choose to power your electric vehicle with up to **100% clean electricity** with Xcel Energy's Windsource®!

Visit xcelenergy.com/Windsource to sign up. Learn more about electric vehicle charging rates and options by visiting xcelenergy.com/EVElectricPricing.

In addition to choosing an EV pricing plan, you can choose to get some or all of your electricity from renewable sources. Windsource is a program that allows you to pay a little extra each month to get clean energy as you want to fuel your car or power your home.

Win with Wind!

Residents who up for Windsource before December 31, 2019 can enter for a chance to win a \$100 gift card! Visit xcelenergy.com/Windsource to enter today!



XCEL ENERGY, THE BLOOMINGTON SUSTAINABILITY COMMISSION, AND THE CITY OF BLOOMINGTON ARE PLEASED TO WORK TOGETHER TO ACHIEVE OUR COMMUNITY GOALS.

Home Energy Squad Outreach



PARTNERS IN ENERGY
An Xcel Energy Community Collaboration

HES cost buy-down since 2013

Continuing social media-based promotions

Dedicated website with resources

- **Impact:**
 - increased participation 44% over “historic participation”
 - Over 8,000 impressions on social media campaign

Home Energy Squad Enhanced



The Housing and Redevelopment Authority in and for the City of Bloomington (HRA) does not discriminate on the basis of race, color, religion, sex, national origin, age or disability in the admission or access to, or treatment or employment in, its services, programs, or activities. Upon request, accommodation will be provided to allow individuals with disabilities to participate in all HRA services, programs and activities.

Would you like to save money on your utility bills?

Home Energy Squad Enhanced is here to help you. The program includes a home energy visit right to your house and more. We help you understand your home's energy use so you can save money on your utility bills.

To sign up for a home energy visit, please visit the [CEE website](#) or call 651-328-6220.

[Home Energy Squad Flyer](#)

Xcel Energy and The City of Bloomington are pleased to work together to achieve our community energy goals:

Contact Information

Housing and Redevelopment Authority

952-563-8937
hra@BloomingtonMN.gov




Low-income Home Energy Squad



PARTNERS IN ENERGY
An Xcel Energy Community Collaboration

Utilizing partners and Bloomington facilities to spread the word about free Home Energy Squad visits

- **Impact:**
 - Information about free visits included on Bloomington’s website
 - 49 Low-income Home Energy Squad visits in in 2018 & 2019



FREE ENERGY VISITS FOR INCOME-QUALIFIED RESIDENTS!

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XCEL ENERGY AND THE CITY OF BLOOMINGTON ARE PLEASED TO WORK TOGETHER TO ACHIEVE OUR COMMUNITY ENERGY GOALS.

Windsource Promotion

Social-media based campaign to encourage Bloomington residents to sign up for Xcel Energy's Windsource[®]

- **Impact**

- 34 Entrants
- 17 **new** Windsource Signups
- 2+ testimonials collected

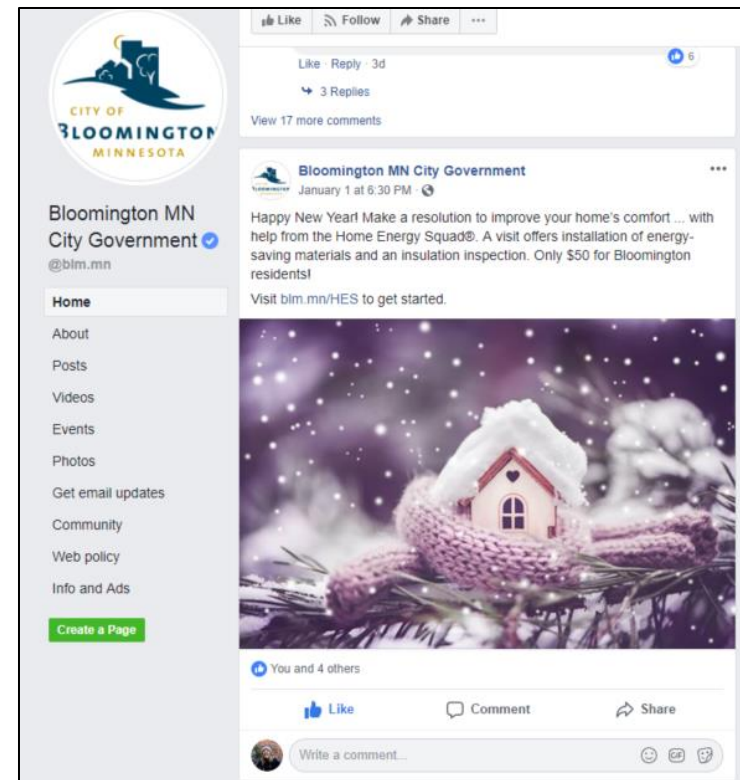
Question: How to use the testimonials?



The image shows a screenshot of the BloomingtonMN.gov website and a Facebook post from Bloomington MN City Government. The website header includes navigation links for HOME, RESIDENTS, BUSINESS, GOVERNMENT, ARTS AND RECREATION, and ENVIRONMENT. The main content area features a section titled "Join a renewable energy challenge" with text explaining the challenge and providing a link to sign up. The Facebook post, dated September 5, features a colorful illustration of wind turbines and a clock tower. The post text reads: "Over 1,500 of your Bloomington neighbors are already reducing their carbon footprint. Subscribe to a renewable energy program today! Renters and homeowners can participate. New subscribers who sign up before September 15 can enter to win a \$100 gift card! *Form submission required to win." The post has 5 likes, 5 comments, and 2 shares.

Ongoing Residential Efforts

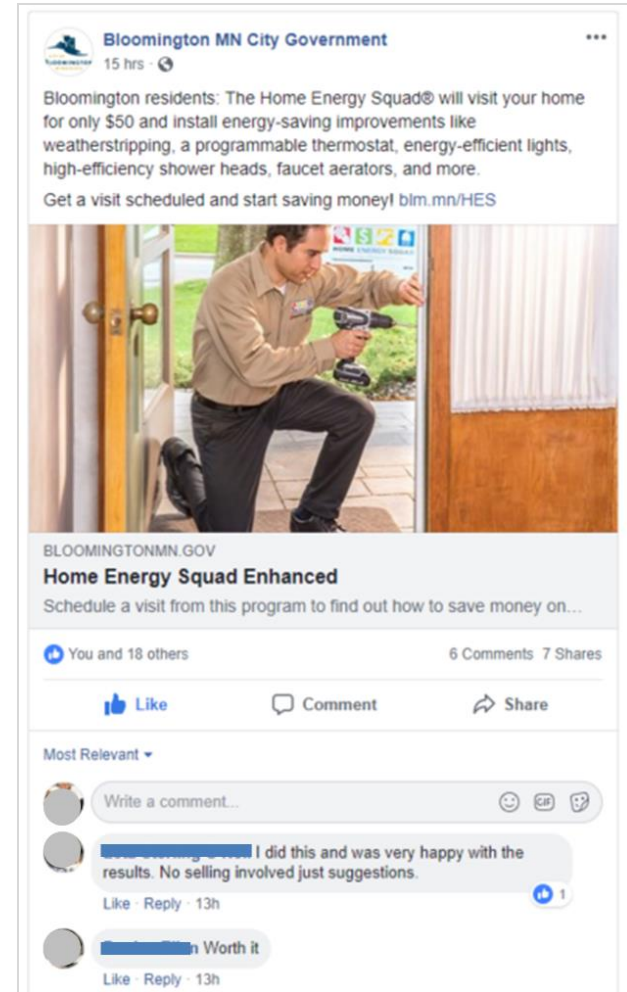
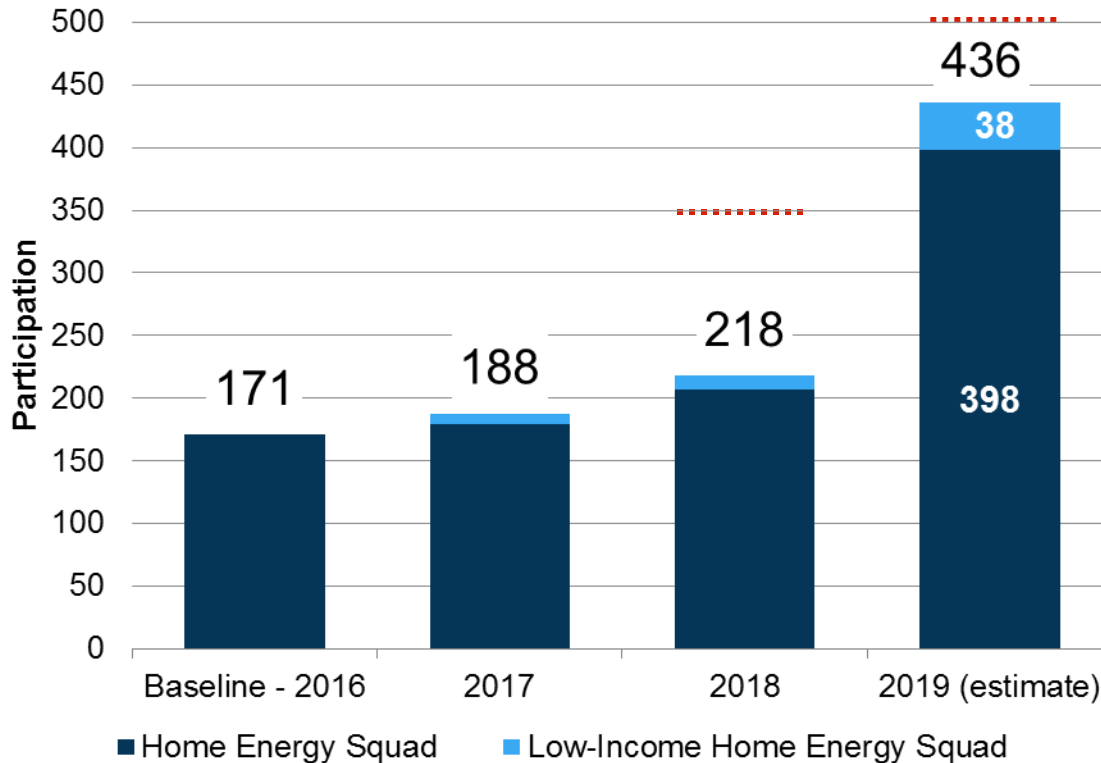
- Multi Family Building Efficiency outreach in early 2020
- Tabling at recent and upcoming events
 - Climate Conversations Trivia
 - Bloomington Home Improvement Fair
- Continued outreach support from Home Energy Squad
- Bloomington Participation in Inter-City HES Challenge



Progress Towards Goals

Residential Focus Area

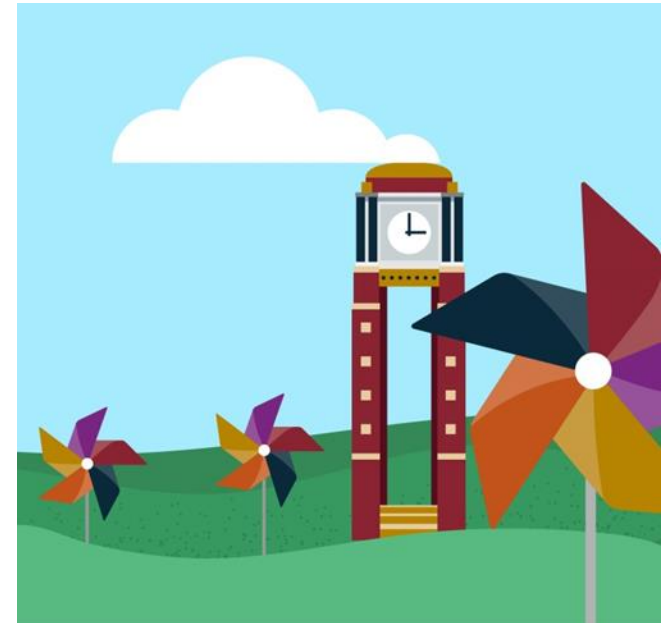
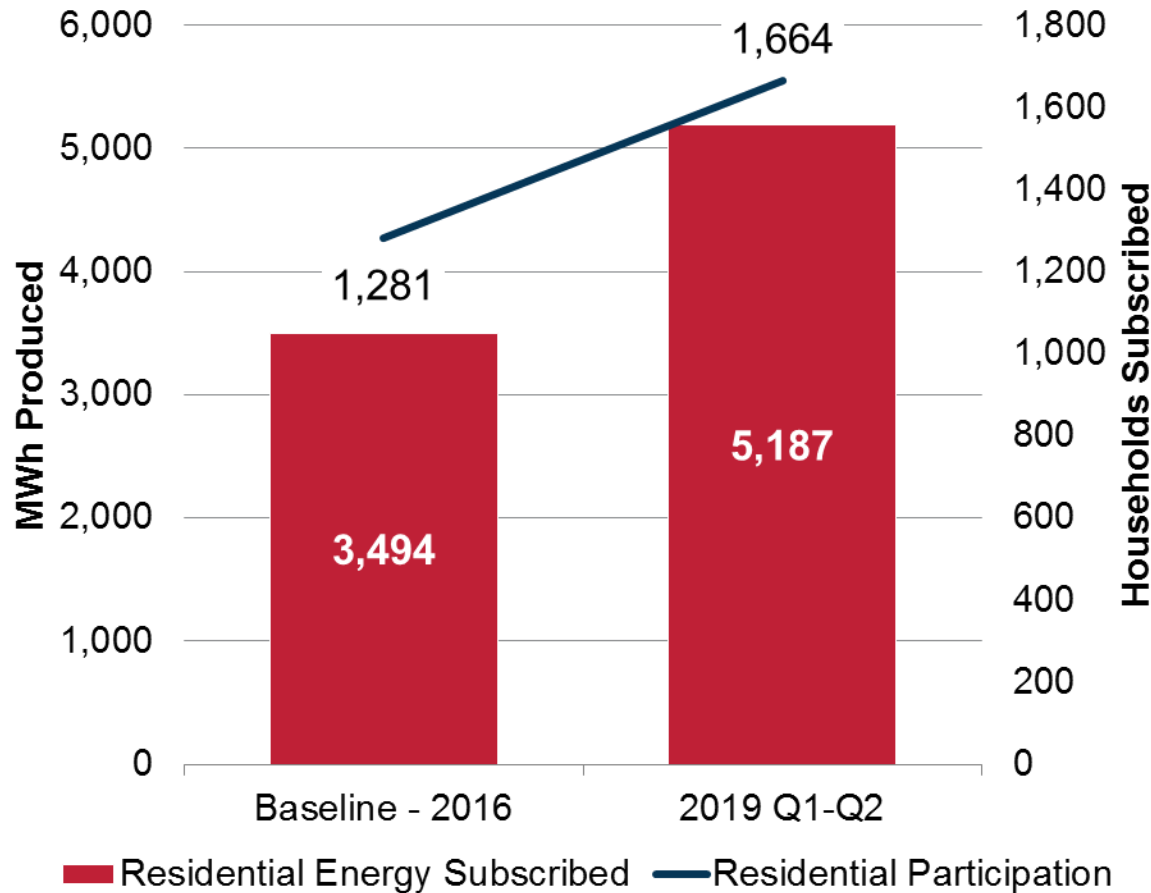
Home Energy Squad Participation



Progress Towards Goals

Residential Focus Area

Renewable Energy Participation



Progress Towards Goals

Residential Focus Area

Home Energy Squad[®] visits: 350 in 2018 and 500 in 2019

654 visits completed in 2018 & 2019

Windsor and Renewable Connect: 350 in 2018 and 500 in 2019

383 new subscribers since 2016

At least four multifamily buildings engage in energy efficiency programs annually during 2018 and 2019

25 buildings participated in 2018 & 2019

Electric Vehicle Focus Area

Goals

Electric Vehicle Focus Area

Aid in the acceleration of electric vehicle (EV) adoption by installing two-five EV chargers at popular municipal locations (e.g. parks) throughout the city

Progress Towards Goals

Electric Vehicle Focus Area

Aid in the acceleration of electric vehicle (EV) adoption by installing two-five EV chargers at popular municipal locations (e.g. parks) throughout the city

EV charging stations installed at Civic Plaza

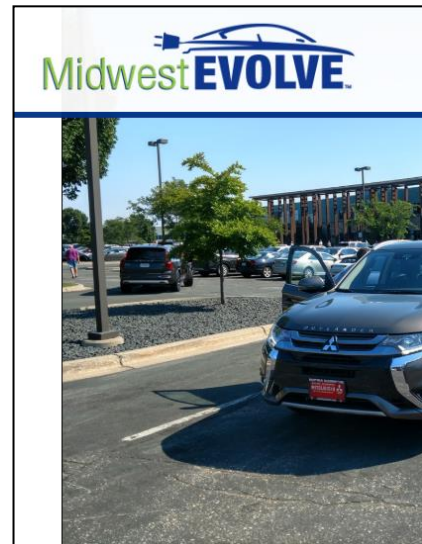


Other Electric Vehicle Outreach

Supporting Electric Vehicle Ride & Drive events

Impact:

- Hosted and EV Ride & Drive event at the Bloomington Farmers' Market in 2018
- Supported EV Ride & Drive Event at Oak Grove Presbyterian



EV Ride & Drive at Farmers Market in Minnesota Demonstrates Power of Experiential Events



Midwest EVOLVE and the City of Bloomington Sustainability Commission hosted an Electric Vehicle Ride and Drive at the Bloomington Farmers Market on July 21, where market-goers had the chance to get behind the wheel of the Nissan LEAF, Mitsubishi Outlander PHEV and Volvo XC90 T8.



Oak Grove EV Expo on Sept. 14

Community-wide Goals

Community-wide Goals

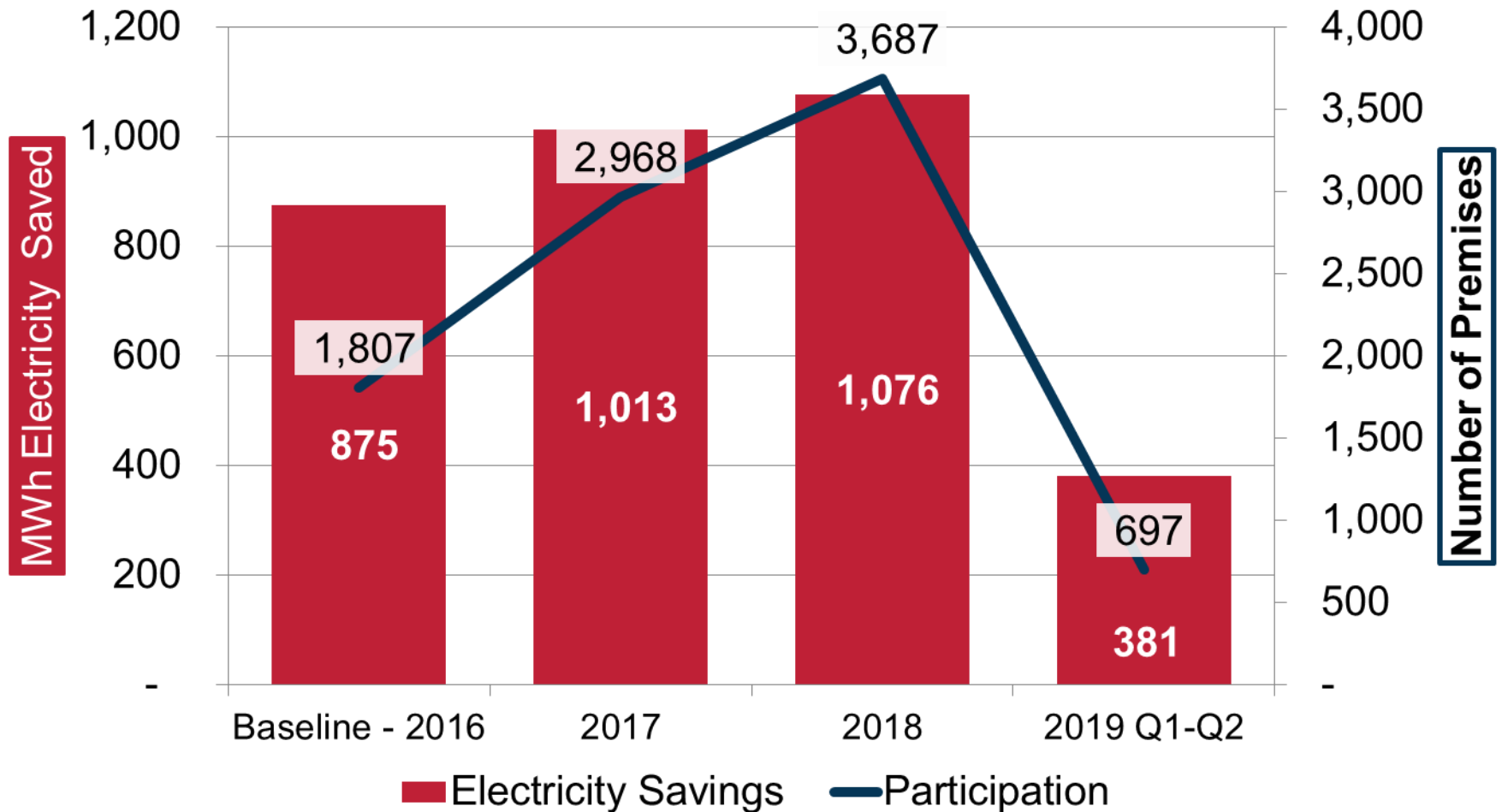
75% reduction in city-wide energy-related greenhouse gas emissions by 2035

95% reduction in city-wide electricity-related greenhouse gas emissions by 2035, relative to 2016 levels

33% reduction in city-wide natural gas-related greenhouse gas emissions by 2035, relative to 2016 levels

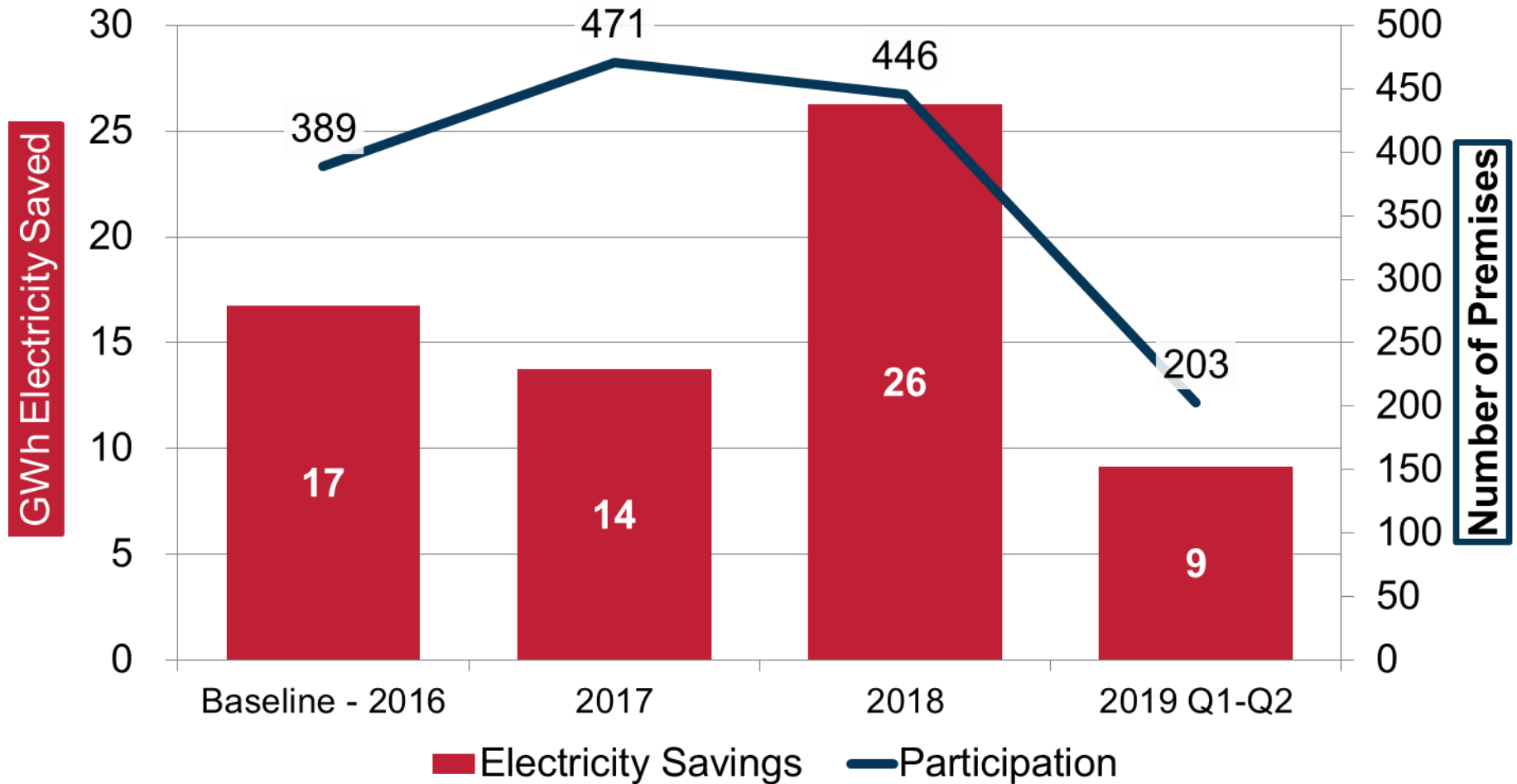
Residential Savings & Participation

Residential Energy Savings and Participation Trends



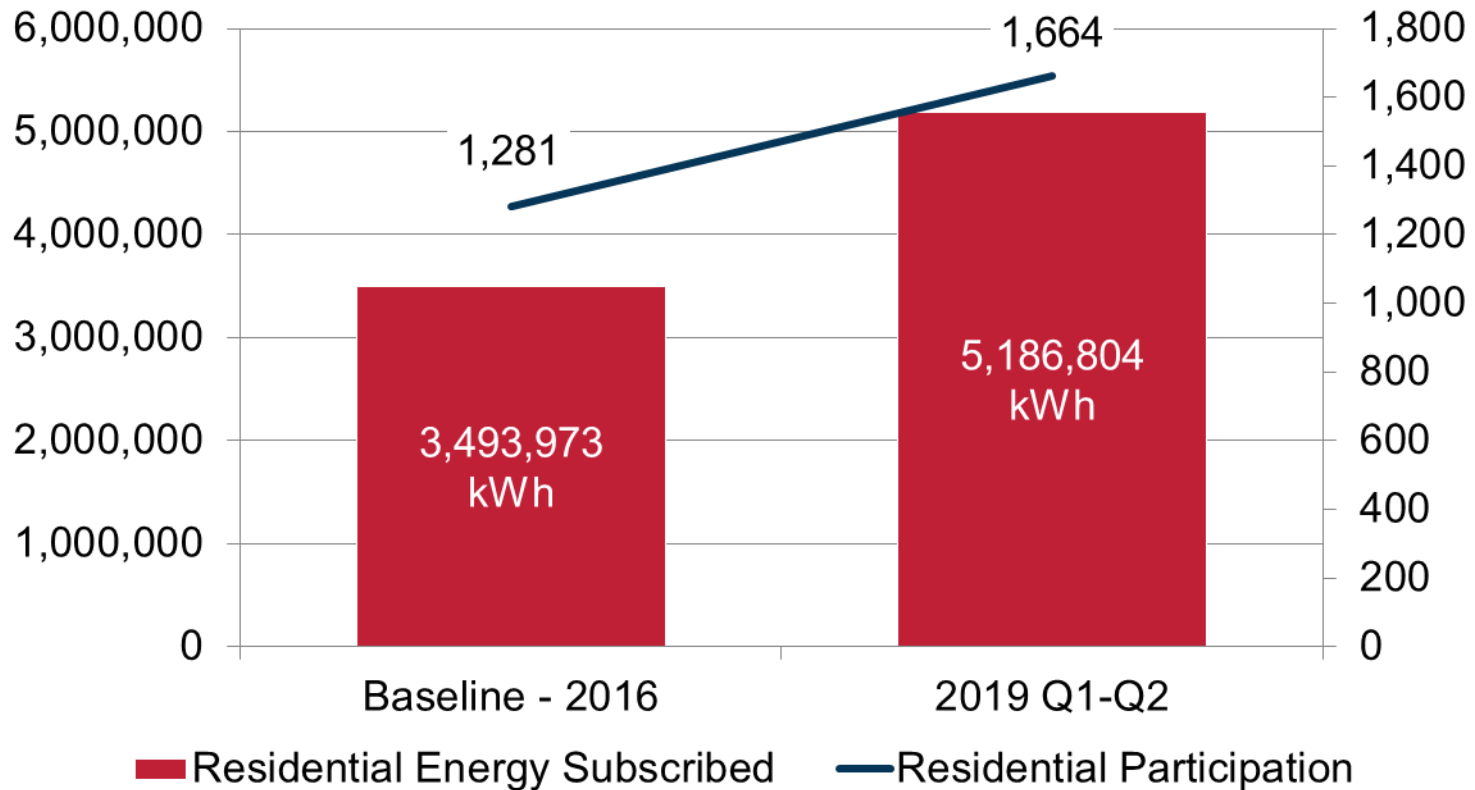
Business Savings & Participation

Commercial Energy Savings and Participation Trends



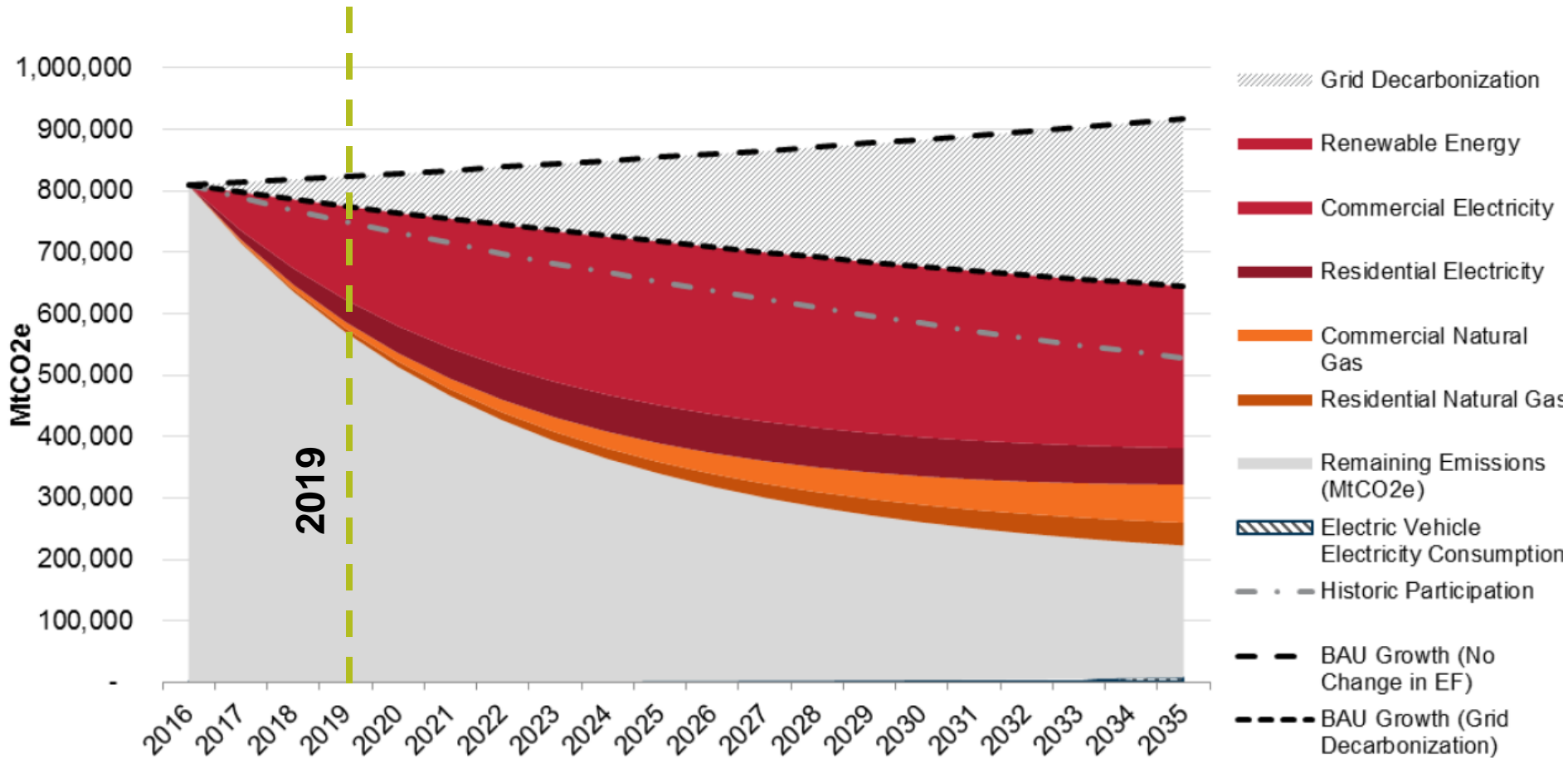
Renewable Energy Subscriptions

Residential Renewable Energy Participation Trends, 2016 and 2019



Progress Towards Goals

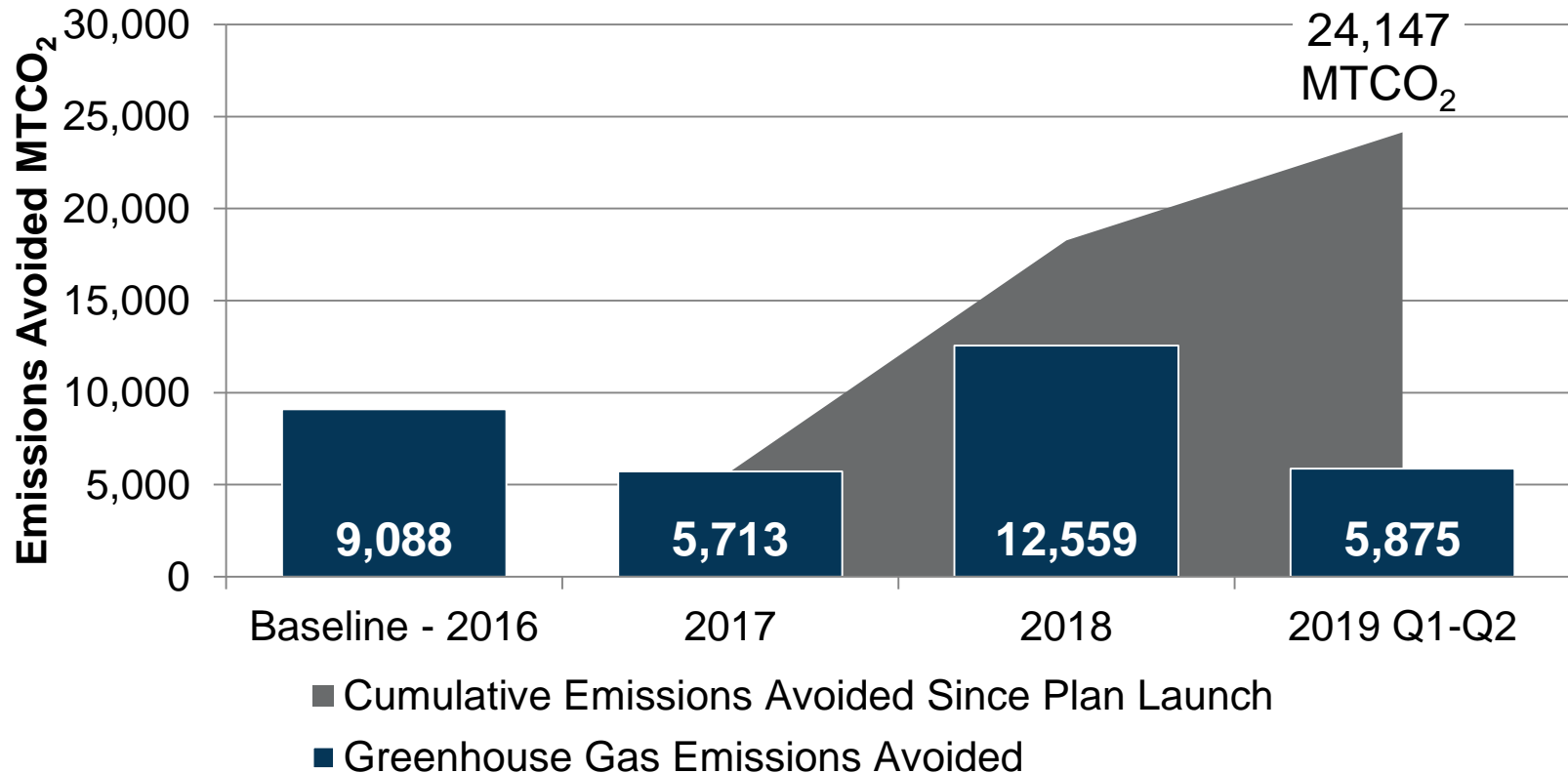
Emission Goals



Progress Towards Goals

Greenhouse Gas Savings Since Plan Launch

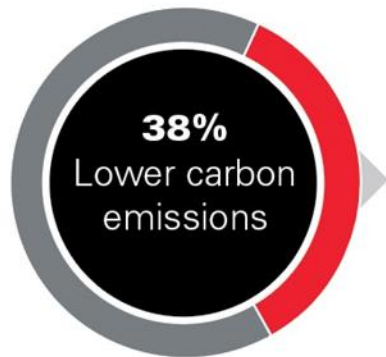
Electricity Only



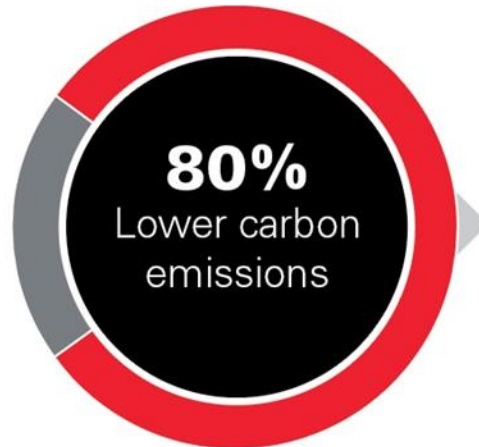
Grid Electricity Carbon Reductions

Xcel Energy's Carbon-free Future

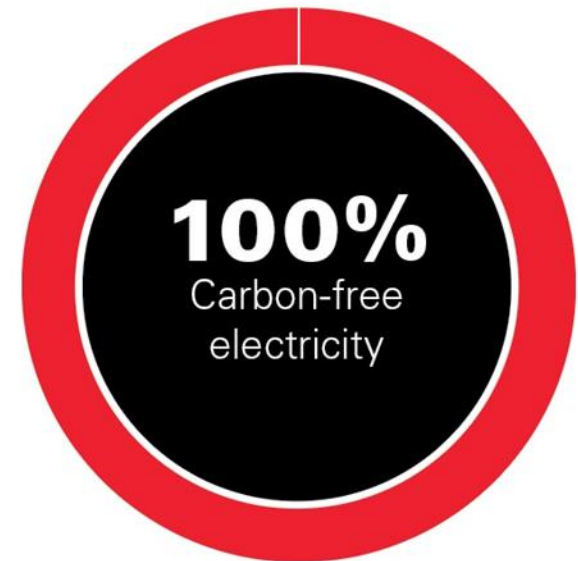
2018 Results



2030 Goal



2050 Vision



Company-wide emissions reductions from the electricity serving our customers, compared to 2005

Partners in Energy Experience

Next Steps for Bloomington's Energy Initiatives

Next Steps for Bloomington

- Multifamily outreach
 - Goals: reach half a dozen multifamily buildings
- Turn Key Assessments follow-up & buy-down
 - Continue outreach, create testimonials
- Continued support for Best Practice Energy Tours
 - Upcoming potential sites: Toro, Best Buy
- Electric Vehicle Support
 - Promote the City's charging stations
- Other support

Ongoing Opportunities

- Access to Partners in Energy community portal
- Monthly web-based trainings
- Bi-monthly newsletter with content to use locally
- In-person networking activities
- Data tracking and monitoring (twice yearly)



PARTNERS IN ENERGY
An Xcel Energy Community Collaboration