

Energy Action Plan







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Acknowledgements

A special thanks to the following individuals who helped develop this Energy Action Plan.

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ENERGY ACTION PLAN

Sandy City understands that energy efficiency, renewable energy, and alternative travel methods are key to improving air quality and creating a more sustainable community. Sustainable Sandy 360° is the name for all of the sustainability efforts made by the city, community members and partners across a range of sustainability topics. A major part of these efforts is applying sustainability principles to how we use energy in Sandy. Our Unplug & Reconnect campaign is meant to encourage residents to pause and to be more aware and thoughtful with their energy use. Doing so helps not only with improving air quality and creating a more sustainable community, but also with saving money for homes and businesses. To be a leader in community energy sustainability, and to put more structure and strategy behind Unplug & Reconnect, Sandy City partnered with Rocky Mountain Power through its Wattsmart Communities program to develop this pragmatic, actionable community energy plan.

Our Energy Vision

Through a facilitated six-month planning process, we explored our community's current energy use, created a vision and goals for where we'd like to be in the next few years, and developed specific practical strategies to help us achieve our goals. Sandy City's Energy Planning Team developed the following vision statement that aligns with Sandy City's overall mission and vision to quide its energy future:

Sandy City is committed to protecting the environment and enhancing our quality of life through affordable, innovative, and accessible energy programs, transportation options, and smart mobility opportunities to create a resilient and sustainable community.





Focus Areas, Targets, and Strategies

In pursuit of this vision, the plan is organized into three focus areas - Municipal, Community Partners, and Residents. The table below summarizes the topics covered for each focus area as well as the targets and strategies for achieving the targets.



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TOPICS COVERED

TARGETS

STRATEGIES

City Facilities

City Operations

Employee Education

Continue energy improvements in Metro Water District facilities and distribution system

Develop a fleet electrification plan by 2023.

- Hire an Energy Project Manager
- Leverage incentives to fund municipal energy improvements
- Develop a recommissioning schedule for municipal facilities
- Continue energy improvements in water distribution system
- Celebrate City successes
- Identify resources to support development of a fleet electrification plan

COMMUNITY PARTNERS

RESIDENTS



Schools

Nonprofits

Businesses

Increase business participation in energy efficiency and renewable energy offerings to achieve 6% of total business electric energy use - up from 5.4% in 2019

Encourage installation of 5 new public charging stations by 2023 at local businesses.

- Launch a business energy efficiency renewable energy and electric vehicle outreach campaign.
- Develop a business resource library



Resident

Education

Multifamily Properties

> Electric Vehicles

Design quarterly education and outreach campaigns to educate residents on sustainable energy issues including energy efficiency, renewable energy, and electric vehicles; encourage 5,000 residents to take action - up from 4,100 residents in 2019.

- Update City website with energy resources
- Conduct a residential energy outreach campaign

Impact Metrics

To better understand and communicate the potential impact from this plan, the targets set by each focus area were combined to consider total impact. This impact is represented by the four metrics below.

TOTAL IMPACT FROM STRATEGIES IN THIS PLAN IN 2023

COST SAVINGS FROM ENERGY EFFICIENCY

This metric looks at the anticipated electric energy savings potential from energy efficiency activities and estimates cost savings using typical unit costs for residential and commercial customers.

\$722,000

2019 baseline: \$695,000

PERCENT RENEWABLE ENERGY

This metric shows the amount of electric energy used in Sandy City that comes from renewable energy resources. This is a combination of the renewable energy in the RMP grid mix, distributed solar generation throughout the City, and renewable energy program subscriptions.

27%

2019 baseline: 22%

AIR POLLUTANTS AVOIDED

This metric shows the greenhouse gas emissions avoided through metrics 1 and 2. To make this metric more accessible we will express it in equivalent cars taken off the road (using the Environmental Protection Agency (EPA) equivalency calculator tool).

Equivalent to taking

27,000

cars off the road as compared to the 2019 baseline

PUBLIC EV CHARGING STATIONS

This metric shows the number of publicly available charging stations within 10 miles of Sandy City Center (using the <u>Charge Hub Sandy City profile</u>).

101

2019 baseline: 86

Get involved!

This plan is just the first step in a series of activities that will be executed over the next two years (and beyond) in support of Sandy City's energy and sustainability goals. It will take all residents doing their part along with City staff and the partners assembled for this Community Energy Plan.

A few things we can all do to reduce fuel used and air pollutants created include:

- 1. Improve the energy efficiency of our home or business.
- 2. Purchase a more efficient vehicle or an electric vehicle.
- 3. Use battery powered small engine equipment (e.g., lawn mower, weed trimmer, snow blower, chainsaw, leaf blower, etc.) rather than gasoline powered.

We look forward to engaging with the community on this plan. Please visit the City website for additional resources and updates www.sandy.utah.gov/sustainability.

Decide to Thrive: Energy Action Plan Background and Planning Process

Sandy City engaged with Rocky Mountain Power's Wattsmart Communities Program to leverage resources for developing an actionable energy plan for the City. As part of the planning process, community stakeholders were identified and invited to participate in a series of three planning workshops, where their input on community priorities, targets, and strategies were gathered to form the basis for this plan.

These community stakeholders, referred to as the Planning Team, represent a variety of community organizations' views and perspectives about a more informed plan (see Acknowledgements for full list). The Planning Team will be instrumental in both leading the energy strategies identified and engaging the broader community for greatest impact.

Sandy City also conducted a resident survey to gather input. The results of this survey were used by the stakeholders to help inform their decision making throughout the process.

Wattsmart Communities

Wattsmart Communities is Rocky Mountain Power's newest offering within the Wattsmart portfolio.

This offering broadens Rocky Mountain Power's energy efficiency and renewable energy solutions - delivered to entire communities along with the commitment to support the unique needs of the customer toward achieving their sustainable energy goals.

Through this offering, the Planning Team worked together to answer three essential questions (Figure 1: Wattsmart Communities Planning Process):

- Where are we now?
- Where do we want to go?
- What is our course of action?



Figure 1: Wattsmart Communities Planning Process

Where Are We Now? Energy Baseline and Current Initiatives

The first step in the Wattsmart Communities planning process is to explore the community's energy profile that provides a picture of Sandy City's current energy landscape. Wattsmart Community facilitators analyzed and presented electric energy consumption data to illustrate the electric energy baseline as a framework for developing targets and actions in this plan.

A brief overview of Sandy City's energy profile is illustrated below, along with existing energy initiatives specific to each focus area, are presented in respective plan sections.

Related Plans and Initiatives

For this Energy Action Plan to provide the greatest impact, it must fit into other planning efforts and initiatives currently underway at Sandy City. The current landscape was summarized by reviewing relevant community plans and exploring Sustainable Sandy 360°, the City's collection of efforts to create a more sustainable community. Findings are summarized below, providing baseline on which to build the strategies and goals identified in this plan.

Related Plans

- **Sandy City General Plan**: Sandy City's official collection of major policies concerning future physical development, including policies to protect the natural environment and promote energy conservation
- **City Facilities Sustainability Plan**: Sandy City is currently developing a plan led by an internal taskforce to formalize efforts around multiple sustainability topics, including energy and buildings.
- Cairns Master Plan and Design Standards: The 25-year development plan and design standards for Sandy's Downtown District includes goals related to energy conservation and efficiency, alternative energy sources, smart grid, and green building practices.

Sustainable Sandy 360° Initiatives

• **Sustainable Sandy 360° website**: The City's website provides information about what the City and its partners are doing related to sustainable energy use and lists actions community members can take to make their homes more energy efficient. Visit: www.sandy.utah.gov/sustainability

SANDY COMMUNITY BY THE NUMBERS



Population

As of July 1, 2020, the estimated population of Sandy City is approximately 99,870 according to Sandy City Community Development Department population estimates and is expected to grow at a steady rate to 106,471 by 2050 (Sandy City, 2020).

Race and Ethnicity

Sandy City's racial makeup is predominantly white at 93% followed by Asian at 5%. Approximately 9% or 8,357 of Sandy City residents are of Hispanic or Latino Origin making it the largest ethnic minority in the city (U.S. Census Bureau, 2019).





Education and Income

Approximately 45% of adults age 25 and older in Sandy have completed a bachelor's degree or higher and only 4% have not graduated from high school. This high level of education is reflected in the average household income, which is \$92,032 (U.S. Census Bureau, 2019).

Housing

There are approximately 32,746 housing units in Sandy City, most of which (82%) are single-family homes. More than 80% of Sandy's housing stock is over 20 years old. Despite the housing stock age, the average home value over the past eight years has increased. The median home value for a home in Sandy City is \$356,500 (U.S. Census Bureau, 2019).





Employment and Industry

Sandy City provides 48,570 jobs. The largest industries in Sandy City are retail trade, health care, financial business services, and high tech (Sandy City, 2020).

Electric Energy Consumption

Sandy City has approximately 37,481 total electric energy customers as of 2019. While customers in the Sandy City community are primarily residential (90%), residential electric energy use was less than half (45%) of the community's use in 2019. Contrastingly, there are far fewer non-residential customers, but they consumed 53% of total electric energy use. Municipal facility electric energy consumption made up the remaining 2% of total electric energy use.





Electric Energy Costs

The community of Sandy City spent an estimated \$66 million in billed electric energy costs in 2019. Per residential customer, this amounts to an average of \$981 spent annually, or about \$80 monthly. An average non-residential customer spent \$9,576 annually, although this varies widely by customer type and business size.

For more on Sandy's City's full community energy profile see Appendix A.

Where Do We Want to Go? Energy Vision, Goal, and Focus Areas

Understanding Sandy City's energy baseline and existing initiatives sets the stage for determining where Sandy City and RMP want to go on their shared clean energy journey. This section of the plan answers the question of "Where do we want to go?" with a vision statement, goal, and targets for each plan focus area.

Energy Vision

The energy vision is an aspirational description that aligns with Sandy City's core ideals and values to inspire work toward achieving its energy goals. Sandy City's Energy Planning Team developed the following vision statement that aligns with Sandy City's overall mission and vision to guide its energy future:

Sandy City is committed to protecting the environment and enhancing our quality of life through affordable, innovative, and accessible energy programs, transportation options, and smart mobility opportunities to create a resilient and sustainable community.

The vision statement was developed through interactive exercises in which Planning Team members identified Sandy City's core values related to energy (Figure 2) as well as results from the community survey shown on the next page (Figure 3).



From the following, choose your top three priorities, for Sandy City's energy future.

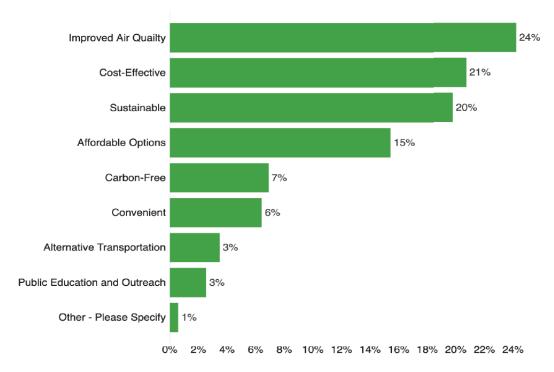
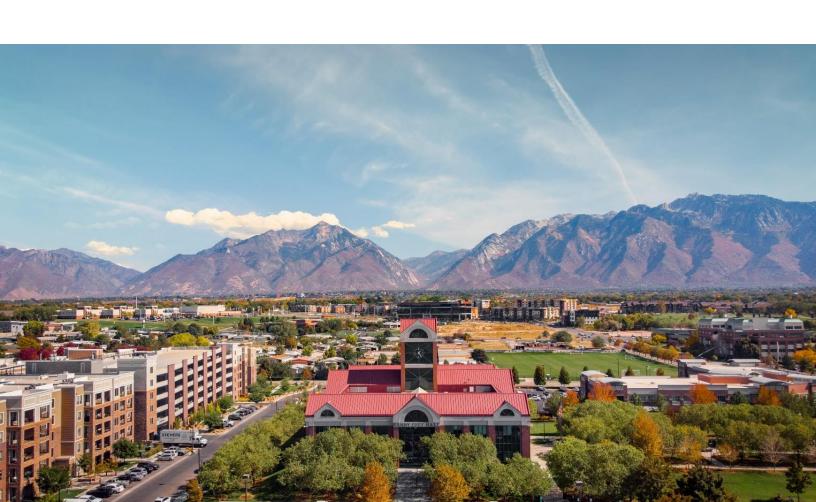


Figure 3: Community Energy Priorities



How does Energy Use Affect Air Quality?

Sandy City's stakeholders and community members identified air quality as their top priority for Sandy's energy future, and it is not hard to understand why.

Several Wasatch Front airsheds are designated as EPA nonattainment areas for fine particulate matter.

Seasonal temperature inversions trap emissions that form particulate matter in the valley, leading to increased health risks for residents - especially children, older adults, and people with respiratory challenges.

Where does the air pollution come from?

Salt Lake Valley air pollution is created when fossil fuels are burned, which includes internal combustion engine (ICE) vehicles, natural gas furnaces and boilers, wood stoves, and fossil fuel consuming equipment such as lawn mowers and leaf blowers. Electric energy generation also creates air pollutants when fossil fuels such as coal or natural gas are used.

To decrease air pollutants created in electric energy generation, Rocky Mountain Power is reducing the amount of electric energy generated from coal and natural gas by making large investments in renewable energy sources, as shown in Figure 4.

What can I do?

Anytime you can reduce fossil fuel consumption or switch to a cleaner burning fuel, air pollutants are reduced. Some things you can do to reduce fuel used and air pollutants created include:

- 1. Improve the energy efficiency of your home or business.
- 2. Purchase a more efficient vehicle or an electric vehicle.
- 3. Use battery powered small engine equipment (e.g., lawn mower, weed trimmer, snow blower, chainsaw, leaf blower) rather than gasoline powered.

For more information on Utah Air quality and what you can do to help, visit: www.ucair.org

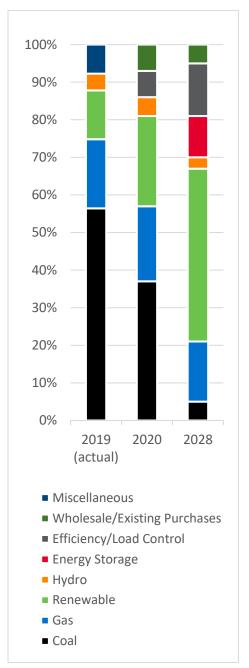


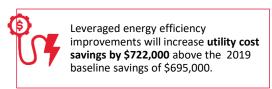
Figure 4: RMP Electricity Generation Profile from 2019 Integrated Resource Plan

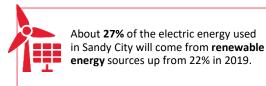
Plan Impact

To better understand and communicate the potential impact from this plan, the targets set by each focus area were combined to consider total impact. The impact will be communicated using the following metrics:

- 1. **Cost Savings from Energy Efficiency**: This metric looks at the total anticipated electric energy savings from energy efficiency activities and estimates cost savings using typical unit costs for residential and commercial customers.
- Percent Renewable Energy: This metric shows the amount of electric energy used in Sandy City that comes from renewable energy resources. This is a combination of the renewable energy in RMP's grid mix, distributed solar generation throughout the city, and renewable energy program subscriptions.
- 3. **Air Pollutants Avoided:** This metric shows the greenhouse gas emissions avoided through metrics 1 and 2. To make this metric more accessible, we express it in equivalent cars taken off the road, using the <u>EPA's equivalency calculator</u> tool.
- 4. **Public EV Charging Stations:** This metric shows the number of publicly available charging stations within 10 miles of Sandy City Center, using the Charge Hub Sandy City profile.

The anticipated impact of strategies in this plan, in 2023, is...







Avoid air-polluting greenhouse gas emissions equivalent to taking **27,000** cars off the road will be realized as compared to the 2019 baseline.



Approximately **101 public EV chargers** available in Sandy City up from 86 stations in 2019.

Focus Areas

To reflect the three components of Sustainable Sandy 360, this plan has 3 focus areas. More information about each focus area, existing initiatives and related success stories, and the energy baseline can be found on the following pages.





City Operations

Employee Education



Community Partners

Schools

Nonprofits

Businesses



Residents

Resident Education

Multifamily Properties

Electric Vehicles



Although municipal operations only account for two percent of Sandy City's energy use, there is an opportunity to lead by example through energy efficiency improvements, sustainable behavior changes, and renewable energy investments at municipal facilities.

The dashboard on the next page provides an overview of where we are starting from and where we want to go.

Highlighted City Efforts

- Internal Sustainability Task Force: City employees meet regularly to identify and implement sustainability initiatives throughout the organization.
- **City Facility Lighting:** City facility lighting is transitioning to efficient LED bulbs. Automatic lighting controllers are installed at sports fields to ensure lights turn off when not in use.
- Water Systems: The City has optimized its water system with smart sprinkler control systems that use weather sensing controllers.
- HVAC Systems: Efficiency improvements have been made to City facility HVAC systems, reducing energy use while maintaining employee comfort.
- Streetlights & Traffic Signals: The City is retrofitting streetlights and traffic signals with high-efficiency LED fixtures.
- Traffic Signals: All traffic signals have been synchronized to improve traffic flow and reduce vehicle emissions.
- **EV Charging Stations:** The City has installed 47 EV stations at various city facilities.
- Solar Energy: The City utilizes clean energy through the Rocky Mountain BlueSky Program and has installed solar panels in City parks.



In 2019, Sandy City started converting streetlights from high-pressure sodium (HPS) bulbs to high-efficient light-emitting diode (LED). Each LED fixture uses about 70% less electricity than HPS lamps, reducing operating costs, energy use and air pollution emissions.

So far, the City has converted about 50% of 8,500 lamps, saving the City \$12,000 per month. This is part of Smart Sandy, an ongoing initiative to use technology to ensure Sandy is smart about energy use.

Other projects include traffic signal synchronization, EV charging infrastructure, and drinking water system optimization. Click here to learn more.

"Making Sandy smarter not only makes residents' lives easier but also...makes Sandy just an incredible place to live, work, and play."

- Mayor Kurt Bradburn

Key Takeaways between 2017-2019:

- 1. Electric energy use decreased, with overall reduction of 10%.
- 2. Energy efficiency program participation resulted in impactful electric energy savings, with kWh savings increasing by ~50% each year.
- 3. Sandy City and residents supported renewable energy through subscriptions to Subscriber Solar and new participation in the Blue Sky program in 2020.

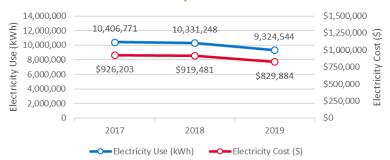
2023 Target:

Maintain municipal participation in energy efficiency and renewable energy offerings at 2019 levels, with about 1.5 million kWh in combined impact.

Develop a fleet electrification plan by 2023.

Data Baseline:

Electricity Use & Cost



Municipal energy use was

2%

of total community electric energy use in 2019.

In 2019,

\$306

was spent on electric energy per facility, monthly.

Energy Efficiency Program Metrics



3,438 kWh

of electric energy use per facility, monthly.

2019 Renewable Energy Metrics:

Program	Electric energy (kWh)	Percent Electric energy (%)
Blue Sky*	0	0%
Subscriber Solar	643,200	6.9%
Net Metering	0	0%
Total	643,200	6.9%

Electric Vehicle Metrics:

47

Charging stations at City facilities

^{*} Sandy City began subscribing to Blue Sky in 2020 to offset 30,000 kWh annually



Sandy City's community partners include businesses, institutions, non-profits, and schools.

While these entities make up a smaller portion of total energy users compared to residents (9%), they use a much higher portion of electric energy (53%). By engaging with these partners, Sandy City can make significant sustainability achievements.

Some existing initiatives that this plan builds on are listed below. The dashboard on the following page provides an overview of where we are starting from and where we want to go.

Highlighted Partner Efforts

- Canyons School District: The District adopted idle free policies, established a water management program, conducted building audits for all schools, leveraged Wattsmart rebates, and continues to implement innovative energy saving features such as solar tubes.
- Dominion Energy: Sandy City's natural gas provider is actively exploring biogas fuel sources and new ways to increase efficiency, including creative partnerships with cities and other organizations.
- Utah Clean Cities Coalition: The coalition is working with Sandy City on short and long-term planning efforts to reduce emissions and explore new vehicle technologies.
- Utah Transit Authority: The regional transportation provider is transitioning toward lower emissions through compressed natural gas (CNG) and battery electric buses.



Working together for Clearer Skies

Sandy City is partnered with Utah Clean Cities Coalition (UCCC) to encourage residents and businesses to transition their vehicles to electric. The City is leading the way with 5 hybrid police vehicles and 8 more coming soon.

These 13 vehicles will save more than \$26,000 in fuel cost annually and prevent 168,000 lbs. of CO₂ emissions each year - about the amount of carbon captured by 100 acres of forest each year. For their commitment to supporting transportation electrification, Sandy City was awarded the 2020 UCCC Beyond Zero Green Fleets Award for EVSE Infrastructure Municipality of the year.

There are approximately 39 public EV charging stations provided by community partners including:

- Walgreens
- Rio Tinto Stadium
- Salt Lake Community College

Community Partners Dashboard

Key Takeaways between 2017-2019:

- 1. The number of non-residential customers grew by 2.6%.
- 2. Although electric energy saw large usage fluctuations due to weather, the impact of customer growth is also evident on usage levels.
- 3. Energy efficiency program participation numbers declined but total electric energy savings increased significantly.
- 4. Renewable energy program participation increased by more than 50%. In 2019, 4% of all commercial customers participated.

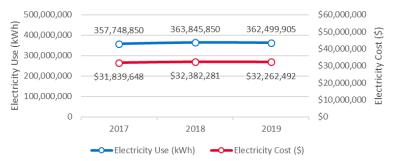
2023 Target:

Increase business participation in energy efficiency and renewable energy offerings to 6% of total business electric energy use - up from 5.4% in 2019.

Encourage installation of 5 new public charging stations each year at local businesses.

Data Baseline:

Electricity Use & Cost



Community Partners energy use was

53%

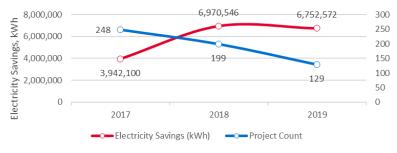
of total community electric energy use in 2019.

In 2019,

\$798

was spent on electric energy per facility, monthly.

Energy Efficiency Program Metrics



9,218 kWh

of electric energy use per customer, monthly

2019 Renewable Energy Metrics:

Program	Participants	Electric energy (kWh)
Blue Sky	46	10,299,328
Subscriber Solar	46	812,133
Net Metering	44	2,010,483
Total	136	13,121,944

Electric Vehicle Metrics:

86

Public Charging Stations within 15 km (10 mi) of Sandy in 2020. This includes stations on City property.



Sandy City's residential sector includes more than 30,000 homes, most (84%) of which were built more than twenty years ago (U.S. Census Bureau, 2019) and are prime for energy upgrades. In addition, the majority (79%) of residents own the home in which they live, making it easier to make sustainability investment decisions that could also save them money.

In 2019, two percent of residential customers participated in energy efficiency offerings, representing considerable room for increased participation. Information from the community survey about what residents are already doing to improve residential energy efficiency are summarized below. The dashboard on the following page provides an overview of where we are starting from and where we want to go.

Highlighted Resident Efforts

During the Wattsmart planning process, Sandy City conducted a community survey to understand residents' opinions and existing efforts related to energy. Of the 607 survey respondents:

- 20% of respondents use ENERGY STAR® LED lighting and appliances in their home.
- 18% of respondents have changed their behavior to reduce their energy use.
- 16% of respondents use a smart thermostat.
- 13% of respondents have made insulation improvement to their home.
- Respondents reported implementing a wide variety of other energy measures, including solar panels, electric vehicles, and efficient windows

Read the full Wattsmart Community Program Survey results at: sandy.utah.gov/161/Citizens-Survey-Results.

Survey Respondents Share Their Energy Stories

What <u>have you done</u> to be more energy efficient?

- "Replaced all house windows with tri-pane windows"
- "Wash the majority of clothing in cold water, and shower more than bathe"
- "Built an energy efficient super insulated home"

What are you <u>planning to do</u> to become more energy efficient?

- "Door weather seal improvement"
- "I would like more information about solar panels. Hesitant at the moment."
- "Battery storage when prices allow it"

What <u>should Sandy City do</u> to help residents be more energy efficient?

 "Help people recognize the benefit to our community and state, our environment, and humanity, to improve efficiency and reduce consumption."

Residential Dashboard

Key Takeaways between 2017-2019:

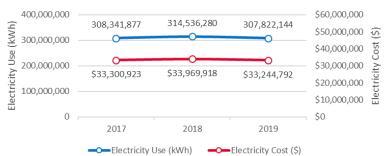
- 1. The number of residential customers grew by 2.6%.
- 2. Electric energy use fluctuated with annual weather patterns.
- 3. The number of energy efficiency participants decreased by about 12%, while energy savings remained nearly constant.
- 4. Renewable energy program participation increased to nearly 10% of residential customers in 2019.

2023 Target:

Design quarterly outreach campaigns to educate residents on sustainable energy issues including energy efficiency, renewable energy, and electric vehicles; encourage 5,000 residents to take action - up from 4,100 residents in 2019.

Data Baseline:

Electricity Use & Cost



Residential energy use was

45%

of total community electric energy use in 2019.

In 2019, on average

\$82

was spent on electric energy per facility, monthly.

Energy Efficiency Program Metrics



757 kWh

of electric energy use per residence, monthly

2019 Renewable Energy Metrics:

Program	Participants	Electric energy (kWh)
Blue Sky	1,973	5,071,912
Subscriber Solar	149	994,217
Net Metering	1,215	12,601,573
Total	3,337	18,667,702

Electric Vehicle Metrics:

5,218

EVs registered in Utah in 2018 (0.2% of vehicles)

1.13%

of new vehicle sales in 2018 were EVs

Course of Action: Implementation Plan and Tracking Progress

This plan is just the first step in a series of activities that will be executed over the next two years (and beyond) in support of Sandy City's energy and sustainability goals. This section includes a description of who is responsible for plan implementation and how Sandy City will track progress toward plan goals.

Implementation Plan

This summarizes the actions that will be taken over the next two years to meet the Plan's vision and goals.



Municipal Operations Workplan

Municipal stakeholders identified the following strategies.

- 1. Hire an Energy Project Manager
- 2. Leverage incentives to fund municipal energy improvements
- 3. Develop a recommissioning schedule for municipal facilities
- 4. Continue energy improvements in water distribution system
- 5. Celebrate City successes
- 6. Identify resources to support development of a fleet electrification plan

Detailed implementation plans for each strategy are shown below.

Strategy 1-1: Hire an Energy Project Manager

What is the strategy?

Hire an energy project manager to support both municipal facility and Metro Water District energy efficiency projects, using co-funding from RMP to help pay their salary.

How will the strategy be implemented?

- Review energy efficiency potential of City and Metro Water District facilities to ensure there is potential for 1 million kWh savings combined between the two entities.
- Coordinate with RMP Project Manager to sign co-funding agreement

Who is Responsible?

Lead/Co-Lead: Sandy City Deputy Chief Administrative Officer - Kim Bell **Support:** RMP Energy Efficiency Project Manager - Sunny Devnani

What resources are required?

Time	Up to four hours of coordination between City and Water District staff to evaluate energy efficiency potential Up to four hours of coordination around signing co-funding agreement
Costs/Funding	Salary of energy project manager Funding: RMP Energy Project manager co-funding

How will impact be measured?

Hiring of an Energy Manager to oversee strategies 1-3 and 1-4.

Timeline

This may include activities to be completed each month or may be activities to be completed during the next year. For multi-year strategies, consider breaking down the first year in detail while keeping subsequent years' activities on an annual timetable until they are imminent.

Strategy 1-2: Leverage incentives to fund municipal energy improvements

What is the strategy?

Set up financial mechanisms to fund and encourage energy efficiency and demand management improvements by reinvesting incentives.

How will the strategy be implemented?

- Set up accounting codes to deposit incentive dollars into municipal projects for electric, natural gas, water, and metal recycling incentives
- Consider shifting to sustainability budget if/when it becomes available

Who is Responsible?

Lead/Co-Lead: Sandy City Deputy Chief Administrative Officer - Kim Bell **Support:** Sandy City Facilities Manager - Dave Goldhardt

What resources are required?

Time

- Minimal time commitment is required for adjusting accounting protocols
- Identifying opportunities for reinvestment can be done during the normal capital project review process

Costs/Funding

• There are no costs associated with this strategy

How will impact be measured?

Incentive dollars reinvested in energy efficiency or renewable energy projects.

Timeline

2021

Set up accounting protocols

Ongoing

• Identify opportunities to reinvest the incentives during typical budgeting and capital project review process

What is the strategy?

Work with the City's RMP energy efficiency project manager to develop a schedule for building recommissioning (for all City facilities) and strategy implementation. Set up accounting procedures for incentives from recommissioning projects to go back into the municipal projects fund, so they can be reinvested in future energy efficiency or renewable energy projects.

How will the strategy be implemented?

- Identify project lead among City staff who will coordinate assessments and implementation of strategies identified
- Use Facility benchmarking data to prioritize City facilities and create a recommissioning schedule
- Work with RMP energy efficiency project manager to schedule assessments and implement recommendations

Who is Responsible?

Lead/Co-Lead: Sandy City Facilities Manager - Dave Goldhardt **Support:** RMP Energy Efficiency Project Manager - Sunny Devnani

What resources are required?

Time

- About four hours per building supporting on-site assessment (providing access to equipment and controls)
- Additional time will be required to provide additional data and implement identified measures, and will vary based on measures identified

Costs/Funding

 Leverage RMP Commercial Find and Fix, or Tune-up program. Work with project manager to determine appropriate offerings for each facility

How will impact be measured?

In 2022, recommission all City facilities that have not been assessed within the last three years - with a goal of 100,000 kWh savings. For context, the 2020 recommissioning of City Hall, the courts building, and the senior center saved 150,000 kWh. Ongoing efforts to provide annual energy use benchmarking reports for each facility and, recommission all buildings about every three years - or sooner if issues are identified in benchmarking data.

Timeline

2021

- Review benchmarking data and identify facilities to be recommissioned
- Meet with project manager to identify target facilities and prioritize buildings
- Complete annual reporting of energy use
- Set up accounting protocols so incentives are deposited into municipal projects fund for future reinvestment

2022

- Schedule facility audits
- Support facility audits by providing access to equipment and controls as well as additional data as needed
- Complete annual reporting of energy use

2022/2023

- Implement recommended energy efficiency measures
- Receive Wattsmart incentive and reinvest it in other energy efficiency opportunities

2023

- Complete annual reporting of energy use.
- Identify priority projects for reinvestment of incentive payments
- Share success stories, including energy savings and cost savings from projects with Deputy CAO, to include in communications strategy

Strategy 1-4: Continue energy improvements in Metro Water District facilities and distribution system

What is the strategy?

Build on previous successes through the Rocky Mountain Power Strategic Energy Management program and continue to implement energy efficiency and cost saving measures identified.

How will the strategy be implemented?

Work with in-house team to identify and implement energy efficiency and renewable energy opportunities including:

- Keep water well savings by continuing to use surface water (added benefit of aquifer recharge)
- Explore hydropower opportunity in delivery to Sandy City through pressure reducing valves that leverage the currently unused 100 PSI pressure break in the distribution system
- Obtain hydropower from Little Cottonwood Creek and/or Bell Canyon Creek for Sandy City to reduce transmission line losses
- Upgrade Little Cottonwood Creek facility for additional power generation.
- Continue LED lighting upgrades
- Install notices to turn down heat when buildings are unoccupied

Who is Responsible?

Lead/Co-Lead: General Manager Metropolitan Water District - Matt Tietje/Sandy City Public Utilities Asst Operations Manager - Mike Campbell

Support: RMP Energy Efficiency Project Manager (Metro Water District) - Matt Jensen

What resources are required?

Time

- Time to implement will vary based on project identified
- Cost will vary based on project identified

Costs/Funding

 Rocky Mountain Power and Dominion Energy incentives can be applied as applicable. See Appendix D for full list.

How will impact be measured?

Energy efficiency savings from implemented strategies with the goal of matching energy efficiency savings, seen through water cohort engagement, of about 750,000 kWh from projects at Metro Water District Facilities.

Timeline

Ongoing

- Internal team will review opportunities for energy efficiency and renewable energy investments
- Team will identify priority projects for upcoming year(s) and submit budget requests as necessary
- Team will share success stories with Deputy CAO, to be shared through communications strategy, including energy and cost savings metrics

What is the strategy?

Communicate success stories from municipal operations, with the community, in coordination with residential and business outreach efforts. Include a call to action for employees to support ongoing energy efficiency efforts.

How will the strategy be implemented?

- Develop case studies from major projects, highlighting cost and energy savings
- Share energy and cost savings from sustainability efforts on City website

Who is Responsible?

Lead/Co-Lead: Sandy City Deputy Chief Administrative Officer - Kim Bell **Support:** Sandy City Communications Director - Eric Richards

What resources are required?

Time

- 2-4 hours of development per case study
- 4 hours of updating web content

Costs/Funding

Minimal to no cost is associated with this strategy.

How will impact be measured?

Produce at least two case studies per year highlighting success stories from the City in coordination with Metro Water District; and update website metrics annually.

Timeline

Each year

Q1

- Compile energy and cost savings impacts of energy efficiency and renewable energy projects from the previous year
- Develop annual energy reports from benchmarking efforts in strategy 1-3.
- Update website metrics

Q2

- Identify projects for annual case studies.
- Develop case study #1
- Share with City employees and include a call to action with ways they can support energy efficiency efforts.
- Share with community in coordination with residential and/or business outreach efforts

Q3

- Develop case study #2
- Share with City employees and include a call to action with ways they can support energy efficiency efforts
- Share with community in coordination with residential and/or business outreach efforts

Strategy 1-6: Identify resources to support development of a fleet electrification plan.

What is the strategy?

Identify and apply for grants or other resources to support the development of a fleet electrification plan.

How will the strategy be implemented?

- Monitor available funding for transportation electrification
- Identify appropriate grants or other opportunities.
- Apply for grants

Who is Responsible?

Lead/Co-Lead: Sandy City Deputy Chief Administrative Officer - Kim Bell **Support:** Fleet Management Staff, Utah Clean Cities Coalition (UCCC)

What resources are required?

Time

- 1-2 hours per month monitoring grant opportunities
- 10-15 hours to complete a grant application

Costs/Funding

• There are no costs associated with this strategy

How will impact be measured?

Securing funding for a fleet electrification plan.

Timeline

2021

• Work with UCCC to identify funding opportunities

Q1/2 2022

Identify and apply for appropriate grants

Q4 2022

• Secure funding for a fleet electrification plan



Community Partners identified the following strategies during workshops:

- 1. Launch a business energy efficiency, electric vehicle, and renewable energy outreach campaign.
- 2. Develop a business resource library.

Detailed implementation plans for each strategy are shown below.

Strategy 2-1: Launch a business energy efficiency, electric vehicle, and renewable energy outreach campaign

What is the strategy?

Leverage existing business outreach channels to share energy efficiency, electric vehicle, and renewable energy information and resources with Sandy City businesses once per quarter.

How will the strategy be implemented?

- Identify building types and key business corridors for targeted outreach
 - Utilize City relationships with large employers and new developers
 - Explore the potential to utilize existing Rocky Mountain Power relationships with key accounts to foster new opportunities
- Collect contact information from businesses
 - Sandy City will compile an extensive business contact list, currently underway with about 500 business contacts
 - Explore the potential to utilize a benchmarking program to gain additional business contacts
- Create marketing collateral to promote:
 - Available commercial incentives and opportunities with quick return on investments (e.g., small business lighting program)
 - o Tips for which steps businesses should take first
 - Success stories from past projects that can benefit other businesses (e.g., school district energy audits)
 - Summary of energy-related tax opportunities (e.g., 179D).
 - Resources (e.g., webinars, audit offerings) from state and local American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) and Association of Energy Engineers (AEE) chapters
 - o Include some focus on custom offerings
 - Summary of return on investment for renewable energy resources
 - Call out benefits and rate structure considerations
 - Available electric vehicle and charging infrastructure incentives and rebates

- Share collateral to targeted audiences through established channels including:
 - Chamber of Commerce social media calendar (already has a great relationship with City regarding promotions).
 - o City social media channels
 - City website.
 - Economic development outreach
 - o Community Development/Communications and Administration
- Explore the potential to utilize other channels to bolster outreach, including:
 - o University of Utah (UU) Industrial Assessment Center
 - UCCC (resources and electric vehicle tool)
 - Rocky Mountain Power marketing team (outreach)
 - Rocky Mountain Power account managers (large businesses)
 - o Rocky Mountain Power Electric Vehicle Program Manager
 - Rocky Mountain Power Energy Efficiency Regional Business Manager and customer service center
 - Wattsmart Homes Residential Program Manager (new development)
- Conduct an electric vehicle assessment of areas of need for charging infrastructure
 - Review use data from existing stations to understand where additional chargers may be required
 - Identify areas where there is no public charging
- Identify community partners in the target areas to host charging stations
 - Pair identified areas of need for public charging infrastructure with potential businesses in targeted areas
 - Utilize developed electric vehicle marketing collateral to promote installation of charging infrastructure to potential businesses in targeted areas

Work with UCCC and other local partners to install public EV charging infrastructure throughout Sandy City

Who is Responsible?

Lead/Co-Lead: Jamie Jacobson, Project Analyst

Support: Jared Gerber, Community Development Assistant Director

What resources are required?			
 Staff time for outreach campaign planning, design, and launch Staff time for collateral development Staff time for outreach campaign implementation ar tracking 			
Costs/Funding	 In-house staff time resources will be utilized Explore feasibility of putting in budget request, for a dedicated staff member, in future budget cycles Explore feasibility of developing a partnership with higher education institutions in the area to co-fund materials development 		

How will impact be measured?

- Reach at least 500 businesses and engage 25 businesses (5%) in Rocky Mountain Power programs during each quarterly outreach campaign.
- Every year 5 new electric vehicle charging stations will be installed in Sandy City and made available for public charging.

Timeline

Q3: 2021

- Identify businesses to target, for outreach, by quarter
- For each targeted sector, identify message(s) and channel(s) most appropriate for the business

Q4 2021 - Q3 2022

- Implement outreach campaigns.
- Conduct electric vehicle assessment of Sandy City areas of need Q4 2022
 - Conduct a survey to understand campaign impacts and other potential areas of content
 - Collaborate with businesses that are good candidates for new electric vehicle charging infrastructure

Q1-Q4 2023

 Track new installations of electric vehicle charging infrastructure at businesses

What is the strategy?

Use the Sustainable Sandy 360 website to host or link to a variety of sustainability resources for local businesses. Coordinate with Strategy 3-1 from the Residential plan.

If this strategy is implemented after or concurrently with Strategy 2-1, outreach materials developed could be stored here for later reference.

How will the strategy be implemented?

- Establish a website.
- Post content that may include:
 - Toolkits that help walk businesses through the process of identifying opportunities in their buildings
 - Financing tools (e.g., PACE)
 - Links to rebate opportunities
 - Available commercial incentives and opportunities with quick return on investments (e.g., small business lighting program)
 - o Tips for which steps businesses should take first
 - Success stories from past projects that can benefit other businesses (e.g., school district energy audits or municipal projects)
 - Summary of tax landscape related to energy opportunities
 - Resources (e.g., webinars, audit offerings) from ASHRAE, AEE, and the state
 - o Include some focus on RMP custom incentive program
 - Summary of return on investment for renewable energy resources
 - Call out benefits and rate structure considerations
- Utilize outreach channels and content identified in Strategy 2-1 to promote the website to businesses.

Who is Responsible?

Lead/Co-Lead: Jamie Jacobson, Project Analyst

Support: Jared Gerber, Community Development Assistant Director

What resources are required?

- Staff time for website planning, design, and launch
- Staff time for collateral development
- Staff time for outreach campaign implementation and tracking

Costs/Funding

In-house staff resources will be utilized

How will impact be measured?

Track website visits and include a link to the business resource library on all related marketing collateral, event materials, etc.

Timeline

Time

Q3-Q4 2021

- Create website
- Post developed content

Q1 2022

- Launch website
- Utilize website link in developed collateral, business events, etc.



With the resident input collected in the community survey the Wattsmart Stakeholder team identified the following strategies during workshops:

- 1. Update City website with energy resources
- 2. Conduct a residential energy outreach campaign

Strategy 3-1: Update City website with energy resources

What is the strategy?

Create City webpage(s) to share resources related to energy efficiency, renewable energy, and EVs on the City website in coordination with strategy 2-2.

How will the strategy be implemented?

- Create an "Unplug and Reconnect" homepage on Sandy City website
 - o Add links to existing home energy efficiency rebates
 - Add links to renewable energy programs
 - Add information about EV charging stations and links to EV charger rebates
 - Add map of the most frequently used local home contractors and/or add link to Rocky Mountain Power approved contractor list

Who is Responsible?

Lead/Co-Lead: Eric Richards, Communications Director

Support: Communications Team

- City Departments: Communications
- **Rocky Mountain Power:** Brad Knowles, Regional Business Manager in coordination with External Communications

What resources are required?

• Staff time for website development

Costs/Funding • None

How will impact be measured?

Website traffic.

Timeline

Q2 2021

- Create website
- Q3 2021 and beyond
 - Update website on regular basis

What is the strategy?

Plan and implement outreach campaign to educate residents about opportunities to save energy and money through Rocky Mountain Power rebates and other energy, battery, and EV offerings. Target audiences for the campaign include homeowners, renters, and commuters.

How will the strategy be implemented?

- Develop unified campaign message around "Unplug and Reconnect" that can be tailored for municipal operations, schools, workplaces, and other target audiences.
- · Create marketing collateral.
 - Include an online "master checklist" of energy actions, organized into live, work, and play categories on campaign homepage on Sandy City website
 - Create collateral that lists available incentives and improvements that can be made, from easiest to most complex (e.g., light bulbs to solar panels) and from least to most expensive
 - Provide examples of return on investment for typical housing types and sizes.
 - Add energy efficiency and EV rebate opportunities to welcome packet, for developers and new residents, as part of annexation process
- Develop quarterly outreach campaigns.
 - Leverage existing outreach channels (e.g., e-newsletter, NextDoor) to direct residents to campaign homepage
 - Conduct targeted outreach to promote energy efficiency opportunities in neighborhoods with older homes, in coordination with homeowners' associations, where applicable
 - Conduct targeted outreach to engage communities of color and residents from diverse cultural backgrounds
 - Host community energy reduction challenge with recognition and prizes from local businesses (e.g., Goal Zero)
 - Facilitate activities that encourage residents participate, such as: a walking tour of Sandy with geocache clues, installing EV charging stations at trailheads, creating an interactive map with unplugging opportunities, providing list of energy checkups at home, organizing a LED light bulb exchange, and organizing tree plantings

Who is Responsible?

Lead/Co-Lead: Eric Richards, Communications Director **Support:**

- City Departments: Communications, Community Events
- Rocky Mountain Power: Brad Knowles, Regional Business Manager in coordination with Customer Solutions; Vegetation Management; External Communications
- Community Partners: Canyons School District; Healthy Sandy; South Valley Chamber; Visit Salt Lake; Rotary Club and other service organizations; Dimple Dell Preservation Committee

What resources are required?

mat resources are required.			
Time	 Staff time for outreach campaign planning Staff time for outreach collateral development Staff time for outreach campaign implementation and tracking 		

Costs/Funding

• Giveaways to enhance outreach campaign (optional)

How will impact be measured?

Implementation of quarterly education and outreach campaigns, encouraging 5,000 residents to take action.

Timeline

Q2 2021

• Develop unified campaign message

Q3 2021

- Develop quarterly outreach campaign strategy, including target audiences, key messages, and outreach channels
 - Incorporate a community energy reduction challenge in at least one quarterly campaign
- Develop campaign collateral

Q4 2021

• Implement first outreach campaign

Q1 2022 - Q4 2022

- Continue to implement quarterly outreach campaigns
- Track number of residents reached through campaigns

Roles and Responsibilities

Through this planning process, the Energy Planning Team identified key departments and partners that will work together to implement plan strategies.

Sandy City staff will serve as lead implementers of this plan, coordinating with internal and external partners to work out strategies and implementation details.

Rocky Mountain Power will serve as a resource and partner, coordinating regularly with Sandy City staff to ensure a successful long-term partnership. RMP will continue offering all available energy efficiency and renewable program offerings to Sandy City and coordinate available incentives for applicable strategies. RMP will also provide periodic energy and program data, upon request by City staff, to track progress against savings goals and inform project planning.

Additional Partners includes peer communities, research partners, and consultants. These partners are crucial for knowledge sharing, resource leveraging, and offering additional technical expertise. Partners identified by strategy include:

Strategy	Organization	Contact Title	Type of Support
Strategy 1-6: Identify resources to support development of a fleet electrification plan.	Utah Clean Cities Coalition (UCCC): Green Fleet Program	Executive Director	 Information on grants and incentives to support fleet conversion Fleet vehicle conversion evaluation and feasibility analysis
	South Valley Chamber of Commerce	Director of Business Development and Strategic Partnerships	Co-host business outreach eventsLeverage outreach channels
Strategy 2-1: Launch a business energy efficiency,	Intermountain Industrial Assessment Center: University of Utah	Co-Directors	No-cost energy consulting services to manufacturers
electric vehicle, and renewable energy outreach campaign	UCCC	Executive Director	 Grant and incentive information Co-host outreach events or collaborate on outreach campaigns EV and charging infrastructure information for material

Strategy	Organization	Contact Title	Type of Support
	Canyons School District	Green Team Leaders/Teachers	Outreach channels for energy efficiency,
	Healthy Sandy	Library Manager	renewable energy,
Strategy 3-3: Conduct a	South Valley Chamber of Commerce	Director of Business Development and Strategic Partnerships	and electric vehicle campaigns
residential energy outreach campaign	Visit Salt Lake	Director of Media & Communications	
	Rotary Club and other service organizations	Member	
	Dimple Dell Preservation Committee	Communication and Event organizers	

Tracking Progress

As the Energy Action Plan is implemented, it is imperative to monitor progress toward the focus area targets and plan goal. This step involves tracking and reporting on metrics identified in this plan, in coordination with other sustainability reporting efforts.

Measuring success over time will enable Sandy City to refine strategies and inform future planning processes. This iterative implementation process is illustrated in Figure 5. In 2022, the City will review the success of strategies outlined in workplans above. Based on this evaluation, the City may choose to continue working on identified strategies, choose new strategies from the strategy library in Appendix B, or develop new strategies to implement over the next two-year period, using the template provided in Appendix C.

The implementation cycle is meant to accommodate lessons learned and to continue making progress beyond initial activities. Rocky Mountain Power is excited about this Energy Action Plan and looks forward to supporting its implementation.



Figure 5. Iterative Implementation Cycle

Appendix A: Community Energy Profile

Electric Energy Consumption

Sandy City has approximately 37,481 total electric energy customers as of 2019. While customers in the Sandy City community are primarily residential (90%), residential customers consumed less than half (45%) of the community's electric energy in 2019. In contrast, while there are few non-residential customers, non-residential customers consumed 53% of total electric energy use in 2019 (See Figure 6: Electricity Use by Customer in 2019).

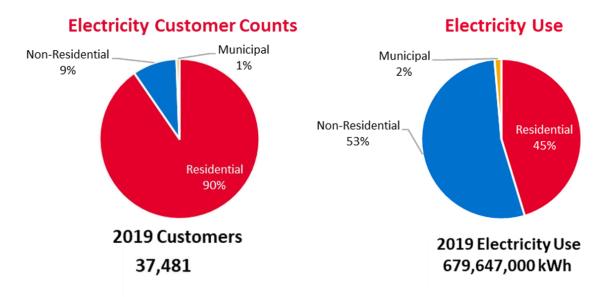


Figure 6: Electricity Use by Customer in 2019

Year-to-year electric energy consumption from 2017 through 2019 shows modest growth in residential (2.6%) and non-residential (5.3%) sectors, while the municipal sector remained constant (see Figure 7: Year-to-Year Consumption by Sector).

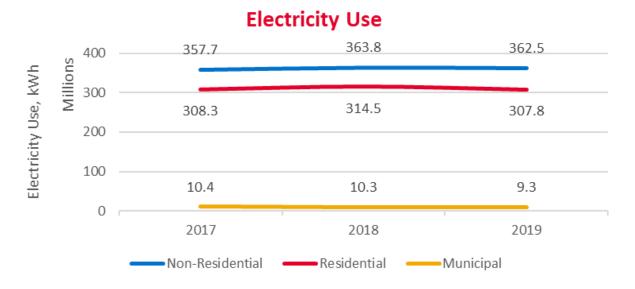


Figure 7: Year-to-Year Consumption by Sector

Electric Energy Costs

The community of Sandy City spent an estimated \$66 million in billed electric energy costs in 2019. Per residential customer, this amounts to an average of \$981 spent annually, or about \$80 monthly (see Figure 8: Electric Energy Costs by Sector). An average non-residential customer spent \$9,576 annually, although this varies widely by customer type and size. Note that electric energy costs vary by sector and time of year. For more information about energy rates and charges by sector, visit www.rockymountainpower.net.

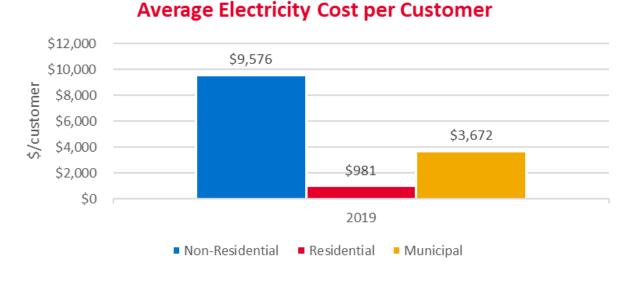


Figure 8: Electric Energy Costs by Sector

Energy Efficiency Program Participation

Baseline data provided by Rocky Mountain Power include historic energy efficiency program participation counts and related electric energy savings. These data provide a snapshot of the types of offerings customers in Sandy City are using and to what degree. The data also show opportunities for greater participation through increased education and awareness.

Between 2017 and 2019, overall participation in energy efficiency offerings has been declining, with only 2.3% of residential customers participating in a DSM program (Figure 9: 2017-2019 Community Energy Efficiency Program Project Counts).

Energy Efficiency Program Project Counts 1.061 1,200 Number of Projects 921 1,000 796 800 600 248 400 199 129 200 0 2017 2018 2019 Residential — Non-Residential

Figure 9: 2017-2019 Community Energy Efficiency Program Project Counts

However, electric energy savings from energy efficiency program participation has increased over the same period, indicating that although the number of projects has decreased, those projects still made a significant impact on energy savings (see Figure 10: 2017-2019 Community Energy Efficiency Program Electric Energy Savings).

Energy Efficiency Program Electricity Savings

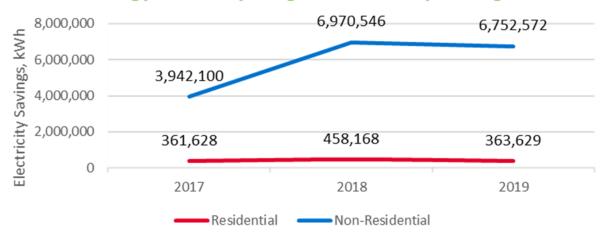


Figure 10: 2017-2019 Community Energy Efficiency Program Electric Energy Savings

Sandy City's municipal facilities also saw an increase in electric energy savings through a total of 20 new projects between 2017 and 2019 (see Figure 11: 2017-2019 Municipal Energy Efficiency Program Electric Energy Savings)

Energy Efficiency Program Electricity Savings

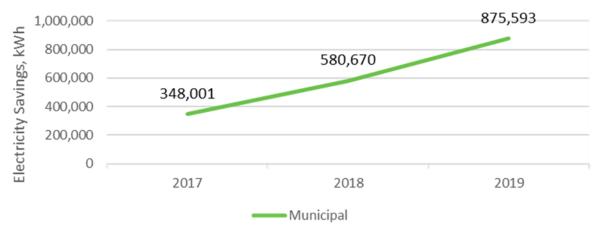


Figure 11: 2017-2019 Municipal Energy Efficiency Program Electric Energy Savings

In 2019, most residential program participation was from the Home Energy Savings-HVAC program, which corresponds to the amount of savings from residential program participation (see Figure 12: 2019 Residential Program Participation and Electricity Savings). Details about Home Energy Savings (HES) offerings are available at: https://www.rockymountainpower.net/savings-energy-choices/home.

Wattsmart Residential Project Counts

Wattsmart Residential Electricity Savings

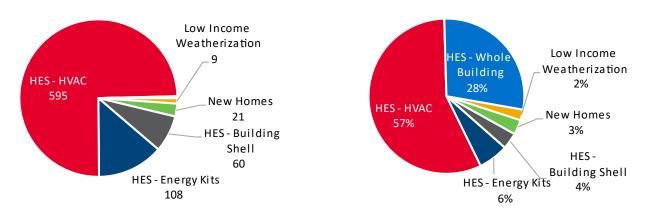
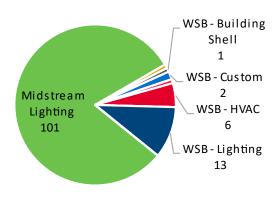


Figure 12: 2019 Residential Program Participation and Electricity Savings

In the non-residential sector, most program participation was from the Midstream Lighting 101 program, although the Wattsmart Business (WSB) Custom program provided much of the savings for 2019 (see Figure 13: 2019 Non-Residential Program Participation and Electricity Savings). Details about WSB offerings are available on the Rocky Mountain Power website: https://www.rockymountainpower.net/savings-energy-choices/business.html.

Wattsmart Business Project Counts Wattsmart Business Electricity Savings



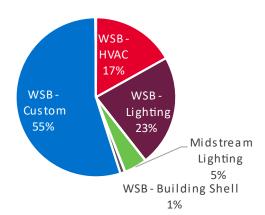


Figure 13: 2019 Non-Residential Program Participation and Electricity Savings Note: Total savings do not add up to 100% due to rounding

Renewable Energy Program Participation

Baseline data provided by RMP also includes renewable energy program participation counts. In 2019, a total of 3,473 customers participated in renewable energy offerings including Blue Sky subscription program, Subscriber Solar subscription program, and Net Metering for rooftop solar. Details on Rocky Mountain Power's renewable energy offerings are available at www.rockymountainpower.net/savingsenergy-choices/blue-sky-renewable-energy.html. Table 1: 2019 Renewable Energy Program Participation shows total participation and the amount of renewable electric energy as a percentage of total sector electric energy use.

Table 1: 2019 Community Renewable Energy Program Participation

Sector	Customer Count	Electric Energy (kWh)	Percent Electric Energy (%)
Residential	3,337	18,667,702	6.1%
Non-Residential	136	13,121,944	3.5%
Total	3,473	31,789,646	4.7%

Sandy City also participates in renewable energy offerings for its municipal facilities. In 2019, Sandy City subscribed to 643,200 kWh through Subscriber Solar and began subscribing to Blue Sky in 2020 to offset an additional 30,000 kWh annually.

Appendix B: Potential Future Strategies

Below, the strategies and opportunities that were identified during the planning process, but not prioritized for the first phase of implementation are outlined for future consideration.

Municipal Operations Strategies

All strategies identified during the workshop were included in the municipal work plan. Future strategies for consideration may include:

- Coordinated work from home policies.
- On-site or utility scale renewable energy investment.
- Battery storage at critical municipal facilities.
- Fleet electrification and installation of necessary charging infrastructure.
- Deep energy efficiency retrofits at City facilities.
- Beneficial electrification of heating systems at City facilities.

Community Partners Strategies

All but one of the strategies identified during the workshop were included in the community partners implementation work plan. The remaining strategy developed during the stakeholder workshops for future consideration is below:

Strategy 2-3: Provide small-medium businesses with virtual energy advisory services or resources

Partner with local organizations to provide resources for local small-medium businesses to have their energy efficiency or renewable energy questions answered.

Action Steps:

- Identify local partners (potential partners UU Industrial Assessment Center student volunteers and SLCC student groups).
- Determine the scope of energy advising services to be provided.
- Provide volunteer training.
- Provide outreach to businesses to provide information on how to participate in the advisory services.

Resources:

- RMP Wattsmart business energy rebates
- RMP Wattsmart contractor list
- UU Industrial Assessment Center

Residential Strategies

The strategies listed below are based on ideas and strategies developed during stakeholder workshops.

Strategy 3-3: Help residents navigate energy resources

Create resources, tailored for various audiences such as homeowners or commuters, that help residents find and take advantage of available energy and EV resources.

Action Steps:

- Create a homeowner's resource guide to explain what residents can expect, address concerns, and encourage small steps toward sustainability.
- Establish an energy resource hotline.
- Work with RMP to create videos explaining energy improvements.
- Organize technology demonstrations (e.g., Ride & Drives, renewable energy tours).
- Host educational workshops for residents on energy efficiency, renewable energy, and electric vehicles.

Resources:

- Rocky Mountain Power Wattsmart website
- UCCC events and webinars

Strategy 3-4: Support energy efficiency upgrades for multifamily properties Encourage multifamily property developers, owners, and management companies to take action toward energy efficiency.

Action Steps:

- Create marketing collateral with information on energy efficiency opportunities for multifamily properties.
- Share energy efficiency opportunities with developers through the development process.
- Identify ways to share energy efficiency opportunities with multifamily property owners and management companies.

Resources:

• RMP Wattsmart multifamily program

Appendix C: Strategy Workplan Template

Strategy [INSERT STRATEGY HERE] Workplan

What is the strategy?

Add strategy description here.

How will the strategy be implemented?

Action Steps

Who is Responsible?

Lead/Co-Lead:

Support:

What resources are required?

Time

 How much time will be required for sustainability champion, students, etc. to implement strategy?

Costs/Funding

 What are the costs associated with implementing the strategy? What potential funding sources could be used to offset these costs?

How will impact be measured?

How will you measure the success of the strategy? Consider using the metric used for the target for this focus area.

Timeline

This may include activities to complete each month, or it may be as simple as the next year. For multi-year strategies, consider breaking down the first year in detail while keeping subsequent years' activities on an annual timetable until they are imminent.

Appendix D: Utility Offerings and Other Resources

Resource		Residential	Community Partners & Municipal
	Energy efficiency offerings	Wattsmart homes - Electric rebates available for homeowners, renters, manufactured homeowners, and property managers New homes Lighting Appliances Heating and cooling equipment Weatherization Water heating Kits and accessories	Wattsmart business – Electric rebates available for small and large businesses as well as agriculture New development Lighting and controls HVAC equipment and controls Motors and drives Building envelope Appliances Compressed air Food service Wastewater Custom rebates
<u>.</u>	Renewable energy offerings	 <u>Blue Sky</u> subscription <u>Subscriber Solar</u> subscription <u>Net metering</u> rooftop solar <u>Batteries</u> 	 Blue Sky subscription Subscriber Solar subscription Net metering rooftop solar Batteries
Rocky Mountain Power	Other resources	Electric Vehicles Cool Keeper	 Electric Vehicles Cool Keeper Blue Sky Grant for renewable energy projects Energy Efficiency Project Financing Energy Benchmarking
ŭ	Energy efficiency offerings	ThermWise - Natural gas rebates available for appliances and weatherization Thermostats HVAC Water heating Weatherization Home Energy Plan	ThermWise - Natural gas rebates available for businesses and builders • Heating equipment and controls • Water heating equipment • Insulation • Appliances and food service equipment • Green Certified new buildings • Custom rebates
Dominion Energy	Renewable natural gas offerings	GreenTherm renewable natural gas subscription	GreenTherm renewable natural gas subscription
Other	Grant opportunities	UCCC summary of grants, laws, and incentives	UCCC summary of grants, laws, and incentives