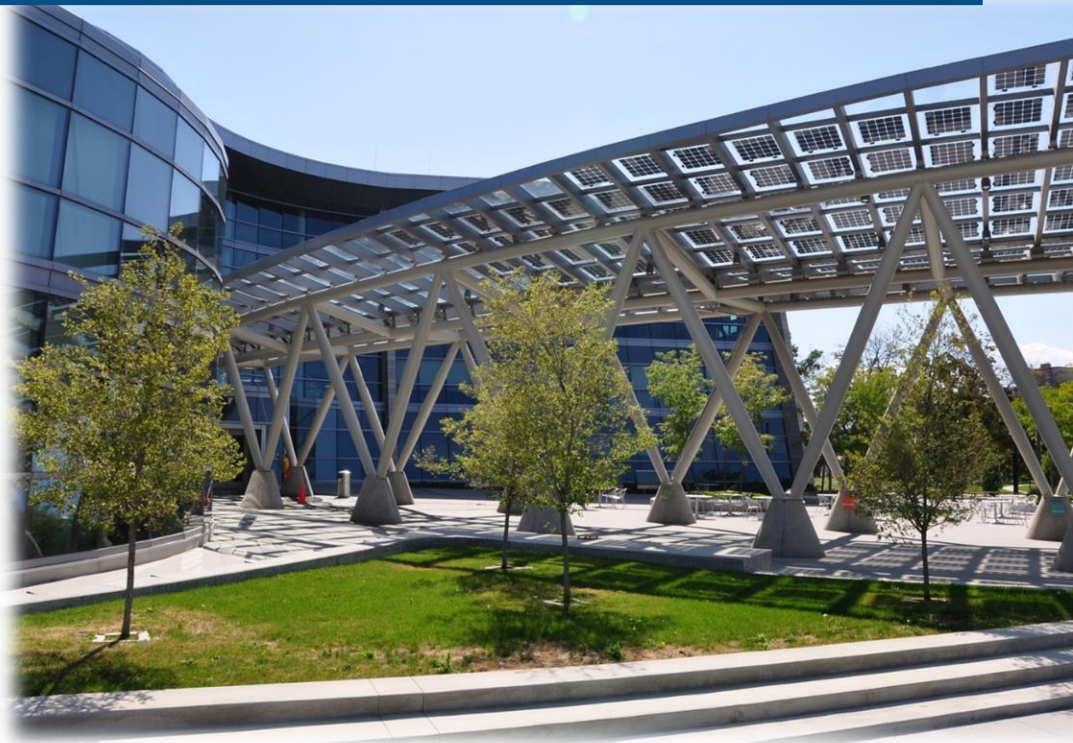




Clean Energy Implementation Plan



**Salt Lake City Corporation
Department of Sustainability**

Rocky Mountain Power

Published March 28, 2017

NOTE: Annual Updates for 2020-21 available on pages 7-10

Cooperating for Clean Energy

Salt Lake City and Rocky Mountain Power are committed to cooperatively seeking and implementing energy solutions that reduce emissions and align with community values of local residents and businesses. Mayor Jackie Biskupski and Rocky Mountain Power CEO Cindy Crane signed a [Clean Energy Cooperation Statement](#) in August 2016 detailing goals, timing and scope for this vision.

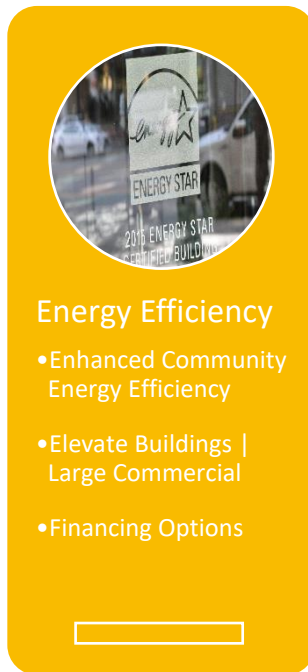
This high-level Clean Energy Implementation Plan was drafted to support goals detailed in the Cooperation Statement and document the programs, projects and tasks that must be prioritized in order to ensure success.

Policies, programs and projects across focus areas combine to create a clean energy pathway for the City and Rocky Mountain Power. These areas are key to reducing community carbon emissions by at least 80% by 2040, a target set via a Joint Resolution by Mayor Biskupski and the Salt Lake City Council in 2016.



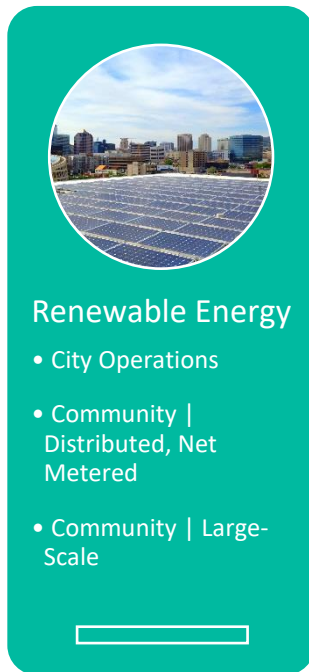
This plan was drafted to be brief and accessible, while still highlighting key concepts and a timeline for implementation. Follow-up progress reports will be jointly published annually.





Energy efficiency and conservation offer the most affordable and lowest polluting opportunities for households and businesses to contribute to community energy goals. Rocky Mountain Power and Salt Lake City have consistently collaborated on these initiatives in the past and intend to sustain and accelerate this partnership through new, innovative opportunities. New technologies and engagement strategies offer transformative solutions that save customers money, reduce carbon emissions and enhance community connectivity.

- **Enhanced Community Energy Efficiency:** Rocky Mountain Power assists customers in reducing electricity use through its [wattsmart energy efficiency programs](#). Residential and business customers within Salt Lake City have benefited from millions of dollars in wattsmart incentives in recent years by implementing energy-saving measures. The City has also received hundreds of thousands of dollars in wattsmart incentives to improve energy efficiency in government operations—thereby saving taxpayers money year after year. The City desires to enhance community outreach efforts and drive greater use of energy efficiency offerings, particularly by low income households.
- **Elevate Buildings & Project Skyline:** Salt Lake City engages large commercial building owners and operators through the [Elevate Buildings](#) and [Project Skyline](#) programs. These initiatives include a partnership with Rocky Mountain Power through enhanced data access and ongoing informational workshops.
- **Financing Options:** Salt Lake City offers Commercial Property Assessed Clean Energy ([C-PACE](#)) financing to complement an array of other energy financing options and is enrolled in the C-PACE administrative program offered by the Utah Office of Energy Development.



Achieving 100% renewable electricity for the community by 2032 is foundational to the collaboration between Salt Lake City and Rocky Mountain Power. Evolving customer preferences have combined with local market forces to drive substantial renewable energy growth at all scales in Utah. Renewable electricity is also key to the City's more holistic goal of reducing community carbon pollution **80% by 2040**. Ongoing development of clean energy opportunities and enhanced customer choice will be key in the transition to a renewable-powered economy.

- **City Operations:** Salt Lake City has renewable energy installations at 12 separate local government sites, totaling nearly three megawatts of onsite generation. Nine additional City government projects are planned for 2017. The City also **enrolled** in Rocky Mountain Power's Subscriber Solar program and is developing a strategy to achieve at least 50% renewable electricity for City operations by 2020.
- **Community | Distributed, Net Metered:** Over 1,500 individual renewable energy projects have been completed by households and organizations within City limits since 2003. Investments in clean energy resources, such as rooftop solar, contribute towards the 100% community renewable electricity goal, create local jobs and enhance energy resiliency when combined with battery storage.
- **Community | Large-Scale:** Rocky Mountain Power launched the **Utah Subscriber Solar** program in 2016 and the project was fully enrolled by the time a new 20 megawatt solar resource became operational in 2017. Enhancing customer choice through utility development of renewable energy resources is a key aspect of ongoing collaboration. The City is also developing a roadmap to 100% community renewable electricity and will work with Rocky Mountain Power on implementation. If Rocky Mountain Power expands Subscriber Solar program customers will be made aware.



Electric Vehicles

- EV Ready Construction
- Charging Infrastructure
- WestSmart EV Partnership

Electrified transportation promises a range of benefits including enhanced domestic energy choice, cleaner air and lower cost mobility options. Supportive policymakers, local research institutions and an innovative electric utility have positioned Utah to become a leader in the electrified transportation sector and Salt Lake City hopes to accelerate this trend through partnership with Rocky Mountain Power. Widespread adoption of electric transportation powered by local and in-state renewable energy is imperative to the City’s sustainability vision.

- **Charging Infrastructure:** Rocky Mountain Power is currently seeking approval for a new electric vehicle (EV) charging incentive program that would provide up to \$2 million in annual funding for five years to Utah customers. Salt Lake City has also installed 30 publicly accessible Level 2 EV charging ports at 13 separate locations, in addition to two Level 3 fast-charge stations near downtown. Ongoing investment in charging infrastructure is key to encourage sustained adoption of EVs.
- **WestSmartEV Partnership:** Rocky Mountain Power was selected for a \$4 million grant award from the U.S. Department of Energy to drive electric vehicle adoption in its service territory. Salt Lake City is a formal partner on this *WestSmartEV* grant and will assist with numerous deliverables over three years, including deployment of EVs in local government fleets, charging infrastructure support and community engagement on smart electrified mobility.
- **EV Ready Construction:** “EV Ready” construction means that properties have the electrical transformer capacity and conduit in place to facilitate lower-cost future installation of charging stations. Salt Lake City encourages this type of development to enhance transportation choice and facilitate a cost-effective transition to electric vehicles.



Investing in a progressive grid will ensure the responsible use of Rocky Mountain Power customer funds and optimal balancing of new technologies such as renewable energy resources, electric vehicles, energy storage and effective demand response. A progressive grid will also catalyze system efficiencies and maximize the ability of Rocky Mountain Power to help improve air quality and assist communities like Salt Lake City in meeting its carbon reduction goals. A resilient and reliable electric grid is also inherently an evolving grid and it is indispensable to a clean,

- **Customer-Side Technologies:** Demand-response programs, such as [Cool Keeper](#), offer the ability to curtail peak electricity demand when the grid is most heavily utilized. Promising cost-curves for battery storage are following a similar, steeply declining trajectory to what was experienced with solar technologies. Also, vehicle-to-grid advances with EVs could be harnessed with the appropriate technologies and coordination between utilities and customers. Overall, customer-side investments play an important role in a progressive grid and are in scope for partnership between the City and Rocky Mountain Power.
- **Utility-Side Technologies:** Salt Lake City became the fifth city in the world to enjoy a central-station electric grid. Much has evolved since those days in the late 1800s, and Rocky Mountain Power continues to invest in cost-effective technologies to protect and enhance transmission and distribution systems. Sustaining utility-side investments is key to integrating clean technologies and recent Sustainable Transportation and Energy Plan ([STEP](#)) legislation will catalyze pilot and research opportunities with utility-scale energy storage.
- **Resilient Operations:** Fault-finding equipment and other responsive technologies ensure a reliable and resilient grid that is essential to the Clean Energy Implementation Plan and all utility customers statewide.

April 2021 Annual Updates

Salt Lake City and Rocky Mountain Power publish annual updates on programs, policies and projects related to the Clean Energy Implementation Plan. Below is a brief update on key advances and accomplishments from May 2020 – April 2021, [including hyperlinks](#) to more details.

Energy Efficiency

- ✓ **Empower SLC:** [Empower SLC](#) launched in April 2019 with the goal of empowering Salt Lake City’s west side neighborhoods to reduce pollution while saving energy and money. The program, run by local nonprofit Utah Clean Energy, works primarily through community partners who act as “energy ambassadors” to distribute energy efficient household technologies including LED lightbulbs and smart thermostats, and promoting other low- and no-cost efficiency actions. The program has engaged over 1,100 households and distributed over 16,300 energy efficient LED lightbulbs—most provided at no cost by Rocky Mountain Power. In total, the program is estimated to save families (primarily on SLC’s west side) almost \$200,000 in energy costs and avoid over 1,500 metric tons of carbon pollution every year. The Empower SLC Solar program was also completed, resulting in the installation of over 10 kilowatts of solar for four west-side income-eligible families. These solar installations are estimated to save almost \$100,000 over the next 30 years and avoid almost 9 metric tons of carbon pollution annually.
- ✓ **Elevate Buildings:** The City Council of Salt Lake City passed an ordinance in August 2017 that requires [energy benchmarking & transparency](#) for large buildings starting in 2019. In its second reporting year, 326 buildings submitted their 2019 energy consumption to Salt Lake City as part of the benchmarking program. Despite a year of disruption, which included factors such as building vacancies and rapidly shifting operations priorities for building owners, the 2020 reporting year saw a 36% increase in the number of building reporting from the previous year. Buildings that receive an ENERGY STAR score of 49 or below in a given reporting year are required to engage in a utility-sponsored building tune-up evaluation according to their tax ID number and a corresponding timetable prescribed in the ordinance. The appropriate tune-up evaluation program currently available from Rocky Mountain Power is the [Commercial Find & Fix program](#). In December 2020, the Sustainability Department once again featured a winner of the Elevate Buildings Award in a full-page promotion in Utah Business Magazine, which was made possible through sponsorship from Rocky Mountain Power.
- ✓ **Commercial PACE Financing:** The Utah Governor’s Office of Energy Development established a statewide C-PACE program in 2018 which it managed through a third-party administrator (SRS). In 2020, the State of Utah deferred management of the C-PACE program to municipalities. Salt Lake City entered into a contract with the third-party administrator to manage the program within Salt Lake City in November 2020. The program continues to gain traction, having closed approximately \$70M in C-PACE transactions statewide. In addition to the [largest C-PACE loan closed to date in the US](#), C-PACE funding was also used as part of the capital stack for a mixed-use retail and

apartment development in Salt Lake City in 2020, and another apartment project is in the Salt Lake City pipeline for mid-2021. Interest in the program remains high as building owners strive to improve efficiencies and lower emissions; budgets remain tight; and owners and developers see increased focus on health-related, energy, and water conservation goals. More program details are available at UathCPACE.com.

Renewable Energy

- ✓ **Community Renewable Energy Act:** In 2019, Salt Lake City, Rocky Mountain Power, and other partners succeeded in passing the [Community Renewable Energy Act](#) at the Utah State Legislature; new administrative rules governing the program were adopted by the Utah Public Service Commission in December. In January 2020, local government officials from the 23 eligible communities were invited to attend a kick-off meeting to learn about the next required steps. The most important of these was to establish a Governance Agreement that would define how participating communities would make decisions and share implementation costs. A governance subgroup formed in February 2020 and has met weekly or bi-weekly since then. In March of 2021, the final text of the Governance Agreement was circulated to members of the governance subgroup, along with a list of required contribution amounts for each of the 23 eligible communities to participate. When five eligible communities sign the agreement and commit to maximum payments totaling the \$700,000 estimated implementation cost, the agreement will go into effect—likely in May or June of 2021. More information is available at Utah100Communities.org and SLCgreen.com.
- ✓ **Government Solar Sites:** Salt Lake City completed [the installation of a new 115.2 kilowatt solar system at the Sorenson Community Campus](#) in June of 2021. Since then, the system has produced over 124 Megawatt-hours of electricity. That's enough energy to drive an electric car over 35,000 miles. This project was generously supported by Rocky Mountain Power's [Blue Sky customers](#). In total, Salt Lake City has installed renewable energy on 17 separate government sites plus is enrolled in the Rocky Mountain Power Subscriber Solar program.
- ✓ **50% Renewable Government Operations:** Rocky Mountain Power [announced](#) in November 2020 that it had received final approval from the Utah Public Service Commission to purchase electricity on behalf of Salt Lake City and five other customers from a new 80 MW solar farm. The development will be built in Tooele County, Utah, and come online by the end of 2022. Using 2019 electric consumption figures, the project should allow Salt Lake City to source almost 90 percent of its annual electricity from the project while seeing the electric bill for city operations increase by less than 2 percent. When constructed, the Elektron Solar Farm will be among the largest solar generators connected to the Rocky Mountain Power system. It is anticipated to support approximately 100 construction jobs and will be an ongoing source of revenue to both Tooele County and the State of Utah's Institutional Trust Lands Administration.

- ✓ **Distributed Solar Energy Resources:** Salt Lake City is interested in ensuring that rooftop solar remains a viable option to help achieve the City’s renewable energy and greenhouse gas reduction goals. In February 2020, Rocky Mountain Power proposed that new customers who generate solar power at their homes be credited an average of 1.5 cents for every kilowatt-hour of electricity these customers send to the electric grid. This proposal represented a precipitous drop from the prior value of 9.2 cents per kilowatt-hour. Salt Lake City intervened in this docket and argued alongside other stakeholders that Rocky Mountain Power’s proposed value was too low. Specifically, Salt Lake City argued that Rocky Mountain Power’s proposal failed to acknowledge that distributed customer generation reduces the total cost of running the overall electric system. In the end, the Utah Public Service Commission adopted an export credit rate of 5.487 cents per kilowatt-hour in the winter, and 5.817 cents in the summer. However, that value can change every year, making it difficult for prospective solar owners to know how much their solar investment is worth financially. Salt Lake City continues to believe that distributed solar is an important avenue to achieve its climate goals—one that not only produces clean energy but also supports local jobs—and is exploring policies to further support its adoption.

Electric Vehicles

- ✓ **WestSmart EV Partnership:** In 2020, financial support from the Department of Energy’s \$4 million grant award to Rocky Mountain Power helped fund continued maintenance and cloud services for Salt Lake City’s network of 20 public-facing electric vehicle charging stations. Salt Lake City hopes to collaborate with Rocky Mountain Power on similar grant-funded initiatives in the future.
- ✓ **EV Infrastructure Program:** During the 2020 Utah Legislative session, the Legislature passed HB 396, Electric Vehicle Charging Infrastructure, which allows Rocky Mountain Power to invest up to \$50 million in electric vehicle infrastructure. Salt Lake City hopes to collaborate with Rocky Mountain Power on the design and roll-out of this new program. It is anticipated that RMP will launch its new EV Infrastructure program in 2021. Salt Lake City also installed two new Level 2 electric vehicle charging stations near the Salt Lake City Public Library with support from a Rocky Mountain Power incentive.
- ✓ **Salt Lake City Public EV Charging Network:** Salt Lake City’s network of 56 public-facing Electric Vehicle charging stations—at the airport and around town—has provided over 76,000 separate successful public charging sessions in its first four years of operation and continues to remain free for public use due to a [fee waiver](#). Rocky Mountain Power’s WestSmart grant, funded by the US Department of Energy, has helped pay for ongoing station inspection and maintenance, cloud-based networking services, and phone support for Electric Vehicle owners at the non-Airport stations.
- ✓ **Electrified Government Fleet:** In December of 2020, Salt Lake City adopted a joint electrified transportation resolution that, among other things, says that starting in 2023, all new sedans purchased by the City will be electric. All new sports utility vehicles

purchased by the City will be electric starting in 2025, and all new pickup trucks will be electric beginning in 2027. The resolution also commits Salt Lake City to: encourage continued electrification of the Utah Transit Authority (UTA) system; collaborate with local rideshare services on clean and affordable transportation options; and support infrastructure that accelerates uptake and use of personal electric vehicles. Salt Lake City continues to add clean vehicles for government operations. The City now has over 255 hybrids and 33 electric vehicles in its internal fleet.

Progressive Grid

- ✓ **Demand Response and Energy Storage:** Rocky Mountain Power continues to facilitate its [Cool Keeper](#) demand management program in Salt Lake City, plus other areas of its service territory. Last Fall, the Soleil Lofts apartment development in Herriman partially opened. When completed, the project will combine 5.2 Megawatts of rooftop solar with 12.6 Megawatt-hours of battery storage to create a virtual power plant that will allow Rocky Mountain Power to dispatch solar energy to the grid as needed. While the Soleil Lofts project is located outside of Salt Lake City, it could point the way toward future innovative multi-family developments in Salt Lake City.
- ✓ **Building Electrification Institute:** In 2019, Salt Lake City was one of eight U.S. cities selected to collaborate with the [Building Electrification Institute](#) (BEI). Phase I of this effort established a baseline for local financial feasibility and market conditions for electrification and indicated a significant economic opportunity for building electrification in the multifamily new-construction sector. Beginning in 2020, Phase II focused on a Utah-specific information gathering campaign to establish a regional state-of-the-market assessment of highly efficient building electrification technologies. These 2020 efforts included several discussions with key RMP staff, as well as a robust stakeholder interview effort that included 25 businesses and organizations representing local developers, building and design experts, municipalities, housing authorities, and air quality N.G.O.s. In the first quarter of 2021, Salt Lake City Sustainability, BEI, and Utah Clean Energy collaborated to commission a formal building electrification economic study focusing on single-family and low-rise multifamily scenarios. The analysis, which is sponsored by Rocky Mountain Power, will be completed in summer 2021 and include an adaptable modeling tool, and formal technical and public reports detailing the findings of the analysis. When completed, the study will be an important component of the stakeholder group sessions being convened by Sustainability in the second half of 2021. The intent of the 2021 group engagement efforts is to establish a common foundation of information among previously siloed stakeholders, and to develop efforts, programs, and policies to scale efficient electrification technology in our region.

April 2020 Annual Updates

Salt Lake City and Rocky Mountain Power publish annual updates on programs, policies and projects related to the Clean Energy Implementation Plan. Below is a brief update on key advances and accomplishments from May 2019 – April 2020, [including hyperlinks](#) to more details.

Energy Efficiency

- ✓ **Empower SLC:** [Empower SLC](#) launched in April 2019 with the goal of empowering Salt Lake City’s west side neighborhoods to reduce pollution while saving energy and money. The program, run by local nonprofit Utah Clean Energy, works primarily through community partners who act as “energy ambassadors” to distribute energy efficient household technologies including LED lightbulbs and smart thermostats, and promoting other low- and no-cost efficiency actions. The program has engaged an estimated 1,100 households and distributed over 7,300 energy efficient LED lightbulbs—most provided at no cost by Rocky Mountain Power. In total, the program is estimated to save families (primarily on SLC’s west side) \$85,000 in energy costs and avoid 790 metric tons of carbon pollution. Unfortunately, due to the global pandemic, all energy ambassador distribution strategies have been suspended as of April 2020. Consequently, Utah Clean Energy and Salt Lake City are exploring new opportunities to further the mission of Empower SLC while observing social distancing.
- ✓ **Elevate Buildings:** The City Council of Salt Lake City passed an ordinance in August 2017 that requires [energy benchmarking & transparency](#) for large buildings starting in 2019. In the 2019 reporting year, 239 buildings submitted their 2018 energy consumption to Salt Lake City as part of the benchmarking program. Many have streamlined their reporting thanks to automated benchmarking services offered by Rocky Mountain Power and Dominion Energy. In 2020, buildings 25,000 square feet and above were included as part of the energy benchmarking and transparency ordinance. Additionally, buildings who reported an ENERGY STAR score of 49 and below in the 2019 reporting cycle will be notified of their obligation to engage in a utility-sponsored building tune-up evaluation in 2020. This program is Rocky Mountain Power’s [Commercial Find & Fix program](#). The Sustainability Department honored stand-out energy efficient buildings in September at its annual Elevate Buildings awards event, co-hosted by Rocky Mountain Power, Dominion Energy, and Impact Hub.
- ✓ **Commercial PACE Financing:** Salt Lake City [formally joined](#) the statewide C-PACE financing program in June 2018 in order to offer a financing mechanism for energy efficiency, renewable energy, electric vehicle charging and water conservation projects. In January 2020, CleanFund and Salt Lake City announced the [largest such financing arrangement](#) in US history—a \$54.7 million CPACE contribution to support sustainable upgrades at the new Hyatt Regency Hotel at the Salt Palace Convention Center. More program details are available at [UtahCPACE.com](#).

Renewable Energy

- ✓ **Community Renewable Energy Act:** Salt Lake City, Rocky Mountain Power, and other partners succeeded in passing the [Community Renewable Energy Act](#) at the Utah State Legislature in March 2019. As allowed by the law, a total of 23 Utah communities adopted 100% net renewable energy resolutions by the December 31, 2019 deadline and became

eligible to participate in the program. Also in December, Salt Lake City, Rocky Mountain Power, and other stakeholders supported consensus administrative rules laying out certain initial steps required to implement the Community Renewable Energy Program. Eligible communities have been meeting since January 2020 to work on required program elements, including the required Governance Agreement that will facilitate joint decision making. More information is available at [SLCgreen.com](https://slcgreen.com).

- ✓ **Government Solar Sites:** Salt Lake City is moving forward with a new rooftop solar installation at the Sorenson Community Campus, with a projected online date of June 2020. This project is supported by a Rocky Mountain Power [Blue Sky Community Grant](#). In total, Salt Lake City has installed renewable energy on 16 separate government sites plus is enrolled in the Rocky Mountain Power Subscriber Solar program.
- ✓ **50% Renewable Government Operations:** Salt Lake City has a goal for its government facilities to be powered by at least 50% renewable electricity by 2020. In 2019, Rocky Mountain Power facilitated a competitive procurement. Participating customers, including Salt Lake City, selected a winning bid at a very competitive price, anticipated to come online no later than December of 2022. Unfortunately, due to the pandemic and resulting economic downturn, the project is facing delays. Given this situation, Salt Lake City may not be able to achieve its 50% renewable electricity for municipal operations until 2023 or later.
- ✓ **Distributed Solar Energy Resources:** Salt Lake City is interested in ensuring that rooftop solar remains a viable option to help achieve the City's renewable energy and greenhouse gas reduction goals. Rocky Mountain Power has proposed changes to the customer generation program that it believes ensures fair rates for all customers and reflects actual costs of service. Salt Lake City is concerned that the proposed changes—slated to take effect in 2021—could make it financially infeasible for families and businesses to install rooftop solar and may significantly reduce the rooftop solar industry in Utah. Salt Lake City has intervened in the state regulatory proceeding and will seek to work with Rocky Mountain Power and other stakeholders to ensure rooftop solar remains a viable option.

Electric Vehicles

- ✓ **WestSmart EV Partnership:** Rocky Mountain Power continues to lead partners driving electric vehicle adoption in Utah with its [Live Electric](#) platform and also support of a \$4 million grant award from the U.S. Department of Energy.
- ✓ **EV Infrastructure Program:** During the 2020 Utah Legislative session, the Legislature passed HB 396 Electric Vehicle Charging Infrastructure which allows Rocky Mountain Power to invest up to \$50 million in electric vehicle infrastructure. RMP is currently designing an EV Infrastructure Program under HB 396 and will seek input from

April 30, 2021

stakeholders like Salt Lake City. It is anticipated that RMP will launch its new EV Infrastructure program in 2021.

- ✓ **Salt Lake City Public EV Charging Network:** Salt Lake City's network of 60 public-facing Electric Vehicle charging ports—at the airport and around town—has provided over 59,190 separate successful public charging sessions in its first three years of operation and continues to remain free for public use due to a [fee waiver](#). Rocky Mountain Power's WestSmart grant, funded by the US Department of Energy, has helped pay for ongoing station inspection and maintenance, cloud-based networking services, and phone support for Electric Vehicle owners at the non-Airport stations.
- ✓ **Electrified Government Fleet:** Salt Lake City continues to add clean vehicles for government operations. The City now has over 259 hybrids and 31 electric vehicles in its internal fleet.

Progressive Grid

- ✓ **Demand Response and Energy Storage:** Rocky Mountain Power continues to facilitate its [Cool Keeper](#) demand management program in Salt Lake City, plus other areas of its service territory. In August, Rocky Mountain Power announced its support of a ground-breaking all-electric and carbon neutral 600-unit residential apartment community called Soleil Lofts in Herriman, Utah. When completed, the project will combine 5.2 Megawatts of rooftop solar with 12.6 Megawatt-hours of battery storage to create a virtual power plant that will allow Rocky Mountain Power to dispatch solar energy to the grid as needed. While the Soleil Lofts project is located outside of Salt Lake City, it could point the way toward future innovative multi-family developments in Salt Lake City.
- ✓ **Building Electrification Initiative:** In 2019, Salt Lake City was one of eight U.S. cities selected to participate in the [Building Electrification Initiative](#). Phase I of this effort focused on assessing local financial feasibility and market conditions for electrification. This assessment indicated a significant economic opportunity for building electrification in the multifamily new-construction sector. Phase II activities will include engaging multifamily building developers to address barriers and highlight opportunities for all-electric building construction techniques, as well as supporting Rocky Mountain Power's heat pump incentive program. Separately, Rocky Mountain Power has partnered with developers and Salt Lake City to provide education on the benefits and cost-effectiveness of all-electric multi-family development.

April 2019 Annual Updates

Salt Lake City and Rocky Mountain Power publish annual updates on programs, policies and projects related to the Clean Energy Implementation Plan. Below is a brief update on key advances and accomplishments from May 2018 – April 2019, [including hyperlinks](#) to more details.

Energy Efficiency

- ✓ **wattsmart Communities:** Salt Lake City participated in the [wattsmart Communities](#) program offered by Rocky Mountain Power. Through this effort the organizations co-hosted workshops to gather input and inform a new local energy efficiency action plan. The plan, entitled wattsmart Salt Lake City, was completed in June 2018 and is being used to initiate community engagement and prioritize next steps.
- ✓ **Empower SLC:** Salt Lake City Sustainability selected local non-profit Utah Clean Energy to implement [Empower SLC](#), a program empowering Salt Lake City's west side neighborhoods with tools to reduce pollution while saving energy and money. The program formally launched in April 2019 and will work with utilities, stakeholders and local energy ambassadors to lead household and business engagement and encourage implementation of energy efficiency projects.
- ✓ **Elevate Buildings:** The City Council of Salt Lake City passed an ordinance in August 2017 that requires [energy benchmarking and reporting](#) for large buildings starting in 2019. Program implementation and participant engagement is underway and efforts to benchmark commercial properties are being streamlined thanks to automated benchmarking services offered by Rocky Mountain Power and Dominion Energy.
- ✓ **Commercial PACE Financing:** Salt Lake City [formally joined](#) the statewide C-PACE financing program in June 2018. Utah C-PACE is led by the Utah Governor's Office of Energy Development and offers a financing mechanism for energy efficiency, renewable energy, electric vehicle charging and water conservation projects. More details are available at [UtahCPACE.com](#).

Renewable Energy

- ✓ **Community Renewable Energy Act:** Salt Lake City, Rocky Mountain Power and other partners collaborated to encourage passage of the [Community Renewable Energy Act](#) in March 2019. This first-of-its-kind legislation in the country enables next steps for participating communities to achieve net-100% renewable electricity by 2030. More information is available at [SLCgreen.com](#).
- ✓ **Government Solar Sites:** Salt Lake City opened new net-zero energy fire stations in [May 2018](#) and [October 2018](#). Both of these stations have rooftop solar arrays that will generate as much power as they use on an annual basis and are the first net-zero fire stations in the country. The City was also the recipient of a Rocky Mountain Power [Blue Sky Community Grant](#) in January 2018 that will add solar panels to the Sorenson

April 26, 2019

Community Campus by early 2020. In total, Salt Lake City has installed renewable energy on 16 separate government sites plus is enrolled in the Rocky Mountain Power Subscriber Solar program.

- ✓ **50% Renewable Government Operations:** Salt Lake City has a goal for its government facilities to be powered by at least 50% renewable electricity by 2020. Rocky Mountain Power is facilitating a competitive procurement seeking renewable energy for Salt Lake City government operations to achieve its goal.
- ✓ **Distributed Solar Energy Resources:** Salt Lake City ranks 11th in the country in local solar energy installed per-capita according to the annual [Shining Cities 2019 report](#). Rocky Mountain Power and Salt Lake City are also part of a team led by Utah Clean Energy that is participating in the U.S. Department of Energy's [Solar Energy Innovation Network](#). The SEIN team is developing an action plan that will be completed in summer 2019 with alternative pathways to net-100% renewable energy.

Electric Vehicles

- ✓ **WestSmart EV Partnership:** Rocky Mountain Power continues to lead partners driving electric vehicle adoption in Utah with its [Live Electric](#) platform and also support of a \$4 million grant award from the U.S. Department of Energy.
- ✓ **Electrified Transportation Roadmap:** Salt Lake City continues to implement action items from its [Electrified Transportation Roadmap](#), including [hosting workshops](#) and providing technical assistance to other local governments in Utah.
- ✓ **Salt Lake City Public EV Charging Network:** Salt Lake City announced eight new Level 2 public EV charging ports in April 2019, increasing the total number of City-owned public EV charging ports to 56. These stations have provided over 25,000 separate public charging sessions in their first two years of operations and are free to use thanks to a [fee waiver](#).
- ✓ **Electrified Government Fleet:** Salt Lake City announced [new electric vehicles](#) in its Parking Compliance fleet in August 2018 and continues to add clean vehicles for government operations. The City now has over 130 hybrids and two dozen EVs in its internal fleet.

Progressive Grid

- ✓ **Demand Response and Energy Storage:** Rocky Mountain Power continues to facilitate its [Cool Keeper](#) demand management program in Salt Lake City, plus other areas of its service territory. The utility is also pursuing approval of a variety of battery storage projects to enhance grid management.
- ✓ **Building Electrification Initiative:** Salt Lake City is one of six U.S. cities selected to participate in the [Building Electrification Initiative](#). This project is underway in 2019 and initial steps focus on local financial feasibility and market conditions for electrification.

April 2018 Annual Updates

Salt Lake City and Rocky Mountain Power publish annual updates on programs, policies and projects related to the Clean Energy Implementation Plan. Below is a brief update on key advances and accomplishments from May 2017 – April 2018, [including hyperlinks](#) to more details.

Energy Efficiency

- ✓ **wattsmart Communities:** Salt Lake City is participating in the new [wattsmart Communities](#) program offered by Rocky Mountain Power. Through this effort the organizations are co-hosting workshops with local stakeholders to gather input and inform a new action plan to enhance engagement on energy efficiency opportunities. The associated plan for Salt Lake City will be complete in mid-2018.
- ✓ **Neighborhood Engagement:** Salt Lake City is developing a new program to engage households and businesses in targeted neighborhoods on energy conservation and efficiency. This effort is informed by the wattsmart Communities process and a pilot program will be launched in late 2018.
- ✓ **Elevate Buildings:** The City Council of Salt Lake City passed a new ordinance in August 2017 that requires [energy benchmarking and reporting](#) for large buildings starting in 2019. The program implementation plan is still under development and City staff are hosting recurring informational workshops for building owners, tenants and managers.
- ✓ **Commercial PACE Financing:** Salt Lake City is currently evaluating a newly offered, centrally administered program for [C-PAVE financing](#) created by the Utah Governor's Office of Energy Development. This program would create new opportunities for commercial properties to finance energy and water improvements.

Renewable Energy

- ✓ **Solar Energy Innovation Network:** Rocky Mountain Power and Salt Lake City are part of a team led by Utah Clean Energy that is participating in the U.S. Department of Energy's new [Solar Energy Innovation Network](#). The team is in the process of refining and prioritizing shared objectives that will be researched and advanced through 2019.
- ✓ **Government Solar Sites:** Salt Lake City [completed solar installations](#) on seven separate government facilities, including five existing fire stations, in September 2017. A total of 756 solar panels were installed that will offset onsite electricity use between 17% and 92%, depending on the facility. The City is also in the process of finalizing construction of two new net-zero energy fire stations, the second and third of their kind in the country.
- ✓ **50% Renewable Government Operations:** Salt Lake City is collaborating with Rocky Mountain Power to power at least 50% of its government operational needs with renewable electricity by 2020. The Rocky Mountain Power [Subscriber Solar](#) project

completed its first full year of operation in 2017 with three megawatts of the project directly contributing to the City's goal and additional projects are being envisioned.

- ✓ **Rooftop Solar Settlement:** Salt Lake City and Rocky Mountain Power joined many other parties in signing a settlement related to net metering for solar customers in Utah. The settlement detailed a grandfathering agreement for existing solar customers, plus how solar exported to the electric grid will be compensated for transition customers while parties develop a new solar tariff in coming years.

Electric Vehicles

- ✓ **WestSmart EV Partnership:** Rocky Mountain Power continues to lead partners driving electric vehicle adoption in Utah with support of a \$4 million grant award from the U.S. Department of Energy. In addition to enhancing the impact of EV charging incentives offered by Rocky Mountain Power and creating innovative models for transportation electrification, this effort also created the [Live Electric](#) public engagement platform.
- ✓ **Electrified Transportation Roadmap:** Salt Lake City co-authored a new [Electrified Transportation Roadmap](#) with guidance and best practices for other cities, towns and counties in Utah interested in advancing electrified transportation. The roadmap includes recommendations on charging infrastructure, electrified fleets, smart mobility solutions, education & incentives, plus equitable access to electrified transportation choices.
- ✓ **Salt Lake City Public EV Charging Network:** Salt Lake City [completed the installation](#) of 28 level 2 EV charging ports in spring 2017. City Council then [approved a proposal](#) in February 2018 to waive fees associated with public use of these stations. The 28 charging ports were used for over 8,600 charging sessions in the first 14 months of operation and additional public stations are being planned for completion in summer 2018.
- ✓ **Electrified Government Fleet:** Salt Lake City is sustaining its commitment to a cleaner vehicle fleet and added five new all-electric vehicles in early 2018, plus e-bikes for certain government operations. Electrified fleets are supported by Rocky Mountain Power through utility incentives and WestSmart EV programming.

Progressive Grid

- ✓ **Demand Response:** Rocky Mountain Power continues to offer and manage its [Cool Keeper](#) demand management program in Salt Lake City, plus other areas of its service territory. This initiative complements a variety of grid management measures taken by the utility to ensure resilient operations and affordable electricity rates.
- ✓ **Utility-Scale Energy Storage Pilot:** Rocky Mountain Power is completing feasibility steps and moving towards implementation of a pilot battery storage program to demonstrate the viability of utility-scale energy storage for grid management purposes and enhanced integration of renewable energy.

**Salt Lake City-Rocky Mountain Power
Clean Energy Implementation Map
March 28, 2017**

Target / Goal	Pilot Program	Targeted Capital Construction
Study / Report	Full Program	Targeted Implementation

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	
Action Area: Municipal Clean Energy																50% Renewable	100% Renewable
Net Metered Projects for City Operations	9-12 solar NEM projects	NEM Projects Installed			Future Planning and Implementation												
Subscriber Solar for City Operations	3 MW for SLC Operations Year 1 Report	New Project Options		Implemented if Successful and New Projects Approved					Future Planning and Implementation								
Major Renewable Project for City Operations	New RFP	Inter-connection	Construction		Closing the gap to 100%				Future Planning and Implementation								
Ongoing Internal Energy Efficiency: Comprehensive Energy Mgmt Executive Order	Ongoing Implementation and Annual Internal Reporting in Compliance with Executive Order									Future Planning and Implementation							
Ongoing LEED and Net Zero Standards for New Municipal Construction	Ongoing Implementation, Based on Project Types and Construction Timing									Future Planning and Implementation							
Action Area: Community Renewable Energy																100% Renewable	
Solar Permitting: Costs & Process Improvements	Fee Schedule	New Opportunities		Implement		Future Planning and Implementation											
Distributed Generation: Interconnection	Interconnection Process Optimization		Implement			Future Planning and Implementation											
Large-Scale Clean Energy Choice	Feasibility Published	Collaborative Policy Work			Implement	Program Implementation				Evaluate	Final Implementation Window				100% Renewable		
Action Area: Community Energy Efficiency																	
Residential & Commercial: Enhanced Marketing of Utility DSM Programs	Evaluation	Small Scale Implementation		Full Program Implementation					Future Planning and Implementation								
Residential: Targeted Investments in DSM Programs and Uptake	Evaluation	Priority Pilots New Project Review		Review	Full Program Implementation					Future Planning and Implementation							
Commercial: Elevate Buildings Initiatives Benchmarking and Efficiency Enhancements	Engagement and Pilot Implementation		Full Implementation Window					Sustain and Consistent Evaluation of Program Opportunities									
Commercial: C-PACE Financing	OED-SLC Partnership	Full Program Implementation				Future Planning and Implementation											
Action Area: Electric Vehicles																	
SLC "EV Ready" New Construction	Ordinance Adoption and Implementation				Evaluate and Report			Future Planning and Implementation									
SLC Public EV Stations	Level 2	Comprehensive Plan		New Implementation	Construction				Future Planning and Implementation								
Regional Partnership DOE Grant	WestSmartEV: Western Smart Plug-in Electric Vehicle Community Partnership																
EV Infrastructure Incentive Program	Finalize and Incentives Available to All Utah Ratepayers						Future Planning and Implementation										
Action Area: Smarter, Resilient Grid																	
Customer-Side Investments	Evaluate Options Annual Report			Possible Pilot Implementation				Broader Implementation, if Feasible					Future Planning and Implementation				
Utility-Side Investments	Evaluate Options Annual Report			Possible Pilot Implementation				Broader Implementation, if Feasible					Future Planning and Implementation				
Action Area: City-Utility Collaboration																	
SLC-RMP Clean Energy Cooperation Statement	Annual Progress Reporting			Revisit Cooperation Statement Franchise			Future Planning and Implementation										