sunrun

Impact Report

2021

Contents

A Message from Our CEO

Our mission of creating a planet run by the sun is more critical than ever. Destructive climate impacts, multi-day power outages, and increasing energy costs expose our rapidly growing need to reduce our dependence on fossil fuels and an aging centralized grid.

We are witnessing a customer-led revolution in energy accessibility and clean solar energy and storage is only a fraction of what our customers are demanding from us. They need a partner who can help them electrify their home, tap into decentralized energy resources, charge their electric vehicles, and much more. We can assist our customers with all of these deeply interconnected services and we will stand behind our services with a multi-decade commitment as we help find additional ways to make their homes safer and more comfortable.

Sunrun's accelerating growth is indicative of the seismic shifts occurring in both customer demands and technological innovation. Our large scale allows us to provide our customers with access to the most cutting edge battery and solar technology on the market, as well as access to enhanced innovative solutions as soon as they are available. Together with our offerings, we are able to meet our customers where they are in their energy journey and provide the services they demand. We meet our customers in retail outlets all around the country, through beloved channel partners, and direct from our own team members who are routinely out in communities around the country.

Sunrun's customer-obsessed culture is essential to our mission and how we build a leading energy company. For this reason, I view our people as our most cherished and valuable investment. In order to grow and retain the right mission-oriented team of professionals, this year we partnered with Guild Education to launch PowerU, a continuing education program. We have found that PowerU has significantly increased retention, productivity, and engagement while simultaneously lowering hiring costs. We also launched an apprenticeship program in multiple states which included approximately 200 Sunrunners at the end of 2021 enrolled in certificate programs to become electricians. We will continue to find creative ways to attract, retain and train the right talent as we grow.

"Sunrun's customer-obsessed culture is essential to our mission and how we build a leading energy company. For this reason, I view our people as our most cherished and valuable investment."

Diversity and inclusion is at the heart of our mantra "power of the people, for the people'' and we fundamentally believe that our workforce must be as diverse as the communities we serve. I am proud to see all manner of representation sitting across from me in the Sunrun boardroom. Sunrun's multitude of Employee Resource Groups (ERGs) ensure that we are tapping into the power of our diversity and that all employees are equipped with built-in networks to find whatever added support they need. To that end, in January 2022, Sunrun received a perfect score of 100 on the Human Rights Campaign Foundation's 2022 Corporate Equality Index (CEI), the nation's foremost benchmarking survey and report measuring corporate policies and practices related to LGBTQ+ workplace equality earning the designation as one of the Best Places to Work for LGBTQ+ Equality.

I believe that residential solar has hit a tipping point of customer acceptance and that now is the time for radical collaboration with incumbent players in order to speed the transition to a modernized electric grid.

Mary Powell
Chief Executive Officer

Vision & Values

About Sunrun

Sunrun Inc. (Nasdaq: RUN) is the nation's leading home solar, battery storage, and energy services company. Founded in 2007, Sunrun pioneered home solar service plans to make local clean energy more accessible to everyone for little to no upfront cost. Sunrun's innovative home battery solutions bring families affordable, resilient, and reliable energy. The company can also manage and share stored solar energy from the batteries to provide benefits to households, utilities, and the electric grid while reducing our reliance on polluting energy sources.

For more information, please visit www.sunrun.com

Organizational Profile

Customer obsession is in Sunrun's DNA. We pioneered the solar-as-a-service model 15 years ago to make solar an option for as many people as possible, not just the select few. Since then, we've kept our focus on people as we work to transform the way we power our lives and provide Americans with affordable, reliable, clean energy.

Here's how solar-as-a-service works:

- We assess the best solar or solar-powered home battery solution to meet a household's energy needs.
- Our experienced team designs and installs a system customized to the household's specific roof and home energy specifications.
- The household simply pays a low, locked-in rate for the power that's produced, helping families better manage their electric bill without big upfront costs.
- We handle the financing, insurance, monitoring, and repairs for the life of the system.
- Our home battery storage service delivers critical backup power, often at less than the cost of traditional grid power without the technology.

Sunrun's history of blending innovation with expertise began when Sunrun co-founders, Lynn Jurich and Ed Fenster, invented this model of solar service. They made clean solar energy affordable, mainstream, and accessible for millions of Americans.

This innovation accelerated with Sunrun's home solar and battery storage service and continues into the future with the electrification of homes, communities, and transportation. Our home battery storage systems offer people the peace of mind that comes with backup electricity, grid services, and new electric vehicle innovations that offer the ability to better manage the energy generated directly from the solar on their rooftops.

Our Workforce

As of December 31, 2021, Sunrun employed approximately 11,300 people throughout the United States with a focus on fostering a culture of inclusive, connected, and diverse teams coming together to do their best work everyday to meet the needs of customers and transform the way we power our lives.

Our Customers

Sunrun provides home solar and battery storage services from coast to coast, in 22 states plus Puerto Rico and the District of Columbia[1]. We proudly serve more than 660,000 customers across the country and are growing rapidly.

Our Impact

Our solar energy systems have generated 20 billion kilowatt-hours of clean energy since 2007 and have helped avoid 11.2 million metric tons of CO2e from entering the atmosphere[2]. This is the equivalent of carbon dioxide emissions from approximately 12.4 billion pounds of coal, or 1.3 billion gallons of gasoline.

Committing to Our Future

Avoiding the worst impacts of climate change depends on a rapid global transformation of our energy systems. Our work at Sunrun to deploy local solar, battery storage, and other home electrification technologies at scale will accelerate our ability to meet our decarbonization goals. We are creating the foundation for households across the country to use and benefit from access to more reliable, affordable, and clean energy.

ESG Goals

At Sunrun, we pledge to continue our commitment to sustainability. Consistent with Sunrun's core values, our leadership has committed to several goals for our environmental and societal development. In 2021, we set multiple long-term corporate ESG goals, and each year in connection with the publication of our annual Impact Report, we intend to provide an update on progress made for those goals, as well as any newly established goals.

GOAL 1.

Sunrun is committed to mitigating the impacts of anthropogenic climate change.

ACTION	STATUS	NOTES
By the end of 2030, build a network of solar systems that will add renewable energy equivalent to avoid carbon emissions by more than 600 million metric tons of CO2e over their lifetimes.	On Track	In 2021, we deployed solar energy systems estimated to be equivalent to more than 17 million metric tons of CO2e avoided over their lifetimes. Sunrun's cumulative deployed systems of 4,6777 megawatts are estimated to facilitate the carbon avoidance of approximately 98 million metric tons of CO2e emissions over their lifetimes.
Adopt science-based emissions reduction targets and achieve net-zero emissions of our operations by the end of 2040.	On Track	We recently committed to adopting science-based emissions reduction targets and are in the process of working with the Science Based Targets Initiative to set and validate those targets.
Decrease our transportation emissions by transitioning half of our vehicle fleet to either electric or hybrid by the end of 2025.	Updated Goal	We have modified this goal such that we plan to transition half of our vehicle fleet to either electric or hybrid by the end of 2025, as opposed to our prior goal of transitioning one third of our fleet by 2025. There are currently a limited number of electric and hybrid models of trucks, box trucks, and vans suitable for our operations; however, we anticipate further refining this goal in future years as the number of models and available inventory increases.
Decrease the overall carbon intensity of operations by 20% of 2021 levels by the end of 2030.	On Track	As discussed below in the section "Reducing GHG Emissions", we recently completed a more granular and expansive assessment of our Scope 1-3 emissions and are maintaining our goal of reducing the overall carbon intensity of operations by 20% by the end of 2030, but are re-basing to 2021 for consistency in methodologies.
Achieve 100% equipment recycling at each facility by the end of 2023.	Updated Goal	We have modified this goal such that we plan to implement 100% equipment recycling at each facility by 2023, instead of 2025.

GOAL 2.

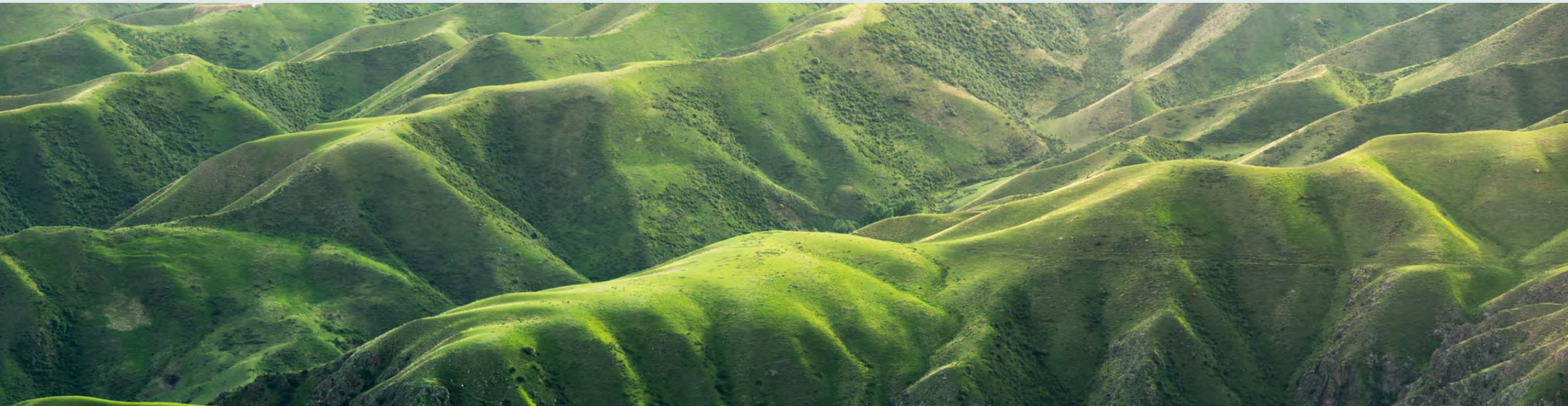
Sunrun is committed to building a diverse, fair, and equitable workforce.

ACTION	STATUS	NOTES
Embed the principles of diversity, inclusion, and belonging as implicit in everything we do and sustain our focus on pay equity through periodic review.	On Track	As we work toward our 2030 parity goals, we are establishing processes to ensure diverse candidate slates and diverse interview panels. Additionally, we are participating on the solar industry's Diversity, Equity, Inclusion & Justice Leadership Council to stay up to date on best hiring practices and contribute to benchmarking efforts.
Foster the growth of our Employee Resource Groups to support inclusion and belonging among our employees, improve awareness, and drive greater social impact.	On Track	As of December 31, 2021, we had six Employee Resource Groups: Asian+, Black+, Latinx+, Pride+, Veterans+ and Women's+These have grown to approximately 1,200 employees, a 40% increase over the prior year. In March 2022, we launched our seventh Employee Resource Group, Disability+, focused on supporting individuals with a disability.
Foster a diverse workforce that represents our customers and the communities in which we live and work, by (i) increasing the representation of employees who identify as women in Director and above roles by 50% and increasing our Black, Indigenous, and People of Color (BIPOC) representation in manager roles by 25% by the end of 2025 to (ii) reach gender parity in Director and above roles and BIPOC representation parity in Manager roles by the end of 2030.	Updated Goal	Due to certain changes in our employee base resulting from our acquisition of Vivint Solar and other demographic changes during the COVID-19 pandemic, we have determined that certain previously set representation goals required review. In light of a re-assessment of our current employee base, we have established new goals to achieve gender parity in Director and above roles and BIPOC parity in Manager roles by 2030.

GOAL 3.

Sunrun is committed to improving environmental equity and justice.

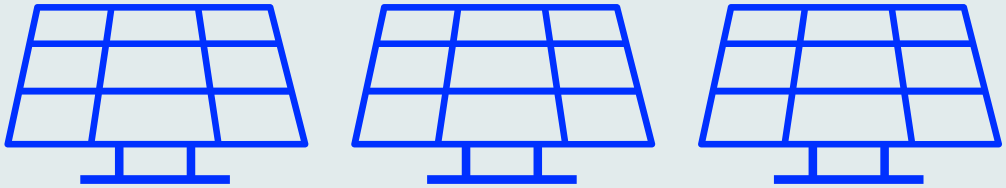
ACTION	STATUS	NOTES
Contribute 100,000 employee volunteer hours by the end of 2030.	On Track	During 2022, we intend to implement a new platform for organizing additional volunteer opportunities.
Bring at least 500 megawatts of low-income solar to people across the country by the end of 2030, benefiting hundreds of thousands of residents in disadvantaged communities.	On Track	During 2021, we successfully advocated for expanded low-income solar programs in several states, in addition to continuing to expand our programs directly installing solar in such communities.



Our Impact in Numbers

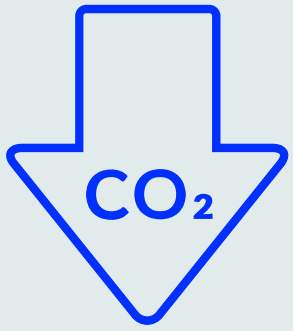
Environment

Sunrun's impact on the environment



20 Billion

Cumulative kilowatt-hours of clean energy produced since



11.2 Million[3]

Cumulative metric tons of carbon emissions avoided by Sunrun solar systems since 2007. This is the equivalent of carbon dioxide

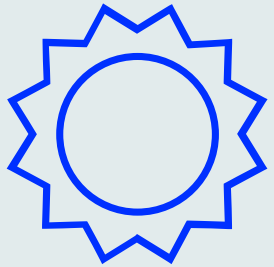
- 27.8 billion miles driven by an average passenger vehicle
- 1.3 billion gallons of gasoline
- 2.2 million homes' electricity use for a year

1.1 Minutes

How often a new Sunrun system is installed[4]

4,677 Megawatts

Cumulative amount of Networked Solar Energy Capacity deployed since 2007, making Sunrun one of the largest solar companies in the world



4.6 billion

Kilowatt-hours of clean energy produced in 2021

3

Our Impact in Numbers

Customers

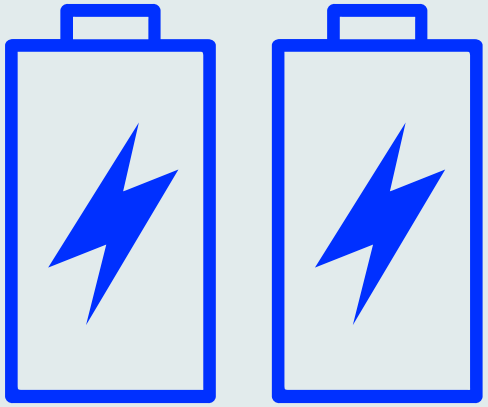
Sunrun's impact on energy consumers

$800 MILLION

The amount of savings we have provided to our customers

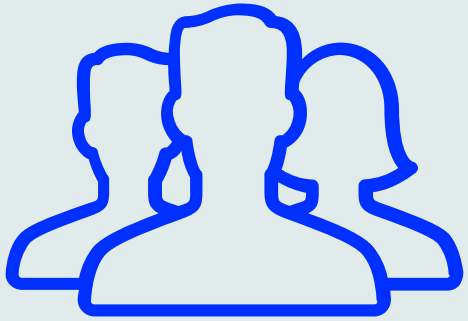
5-45%

Typical bill savings for Sunrun customers



32,000

Total number of Sunrun home battery systems installed across the U.S.



660,000

Total number of Sunrun customers across the U.S.

Our Impact in Numbers

Community

Sunrun's impact on the community through its completed and contracted low-and-moderate income multifamily work

$13.5 MILLION

Estimated total value of anticipated annual solar savings directly to tenants in affordable housing units

115,000

Low-and-moderate income residents across 38,500 housing units

5,700

Total hours of solar job training for residents in disadvantaged communities in 2021

500

Number of low-and-moderate income projects supported by Sunrun

105,000

Anticipated megawatt-hours of clean solar energy produced per year through low-and-moderate income installations

Financial Sustainability

Sunrun has delivered robust growth over its 15-year history and aims to generate strong returns to our financial partners while building a solid financial foundation that allows the company to make a meaningful impact for decades to come. Financial sustainability is core to Sunrun's philosophy.

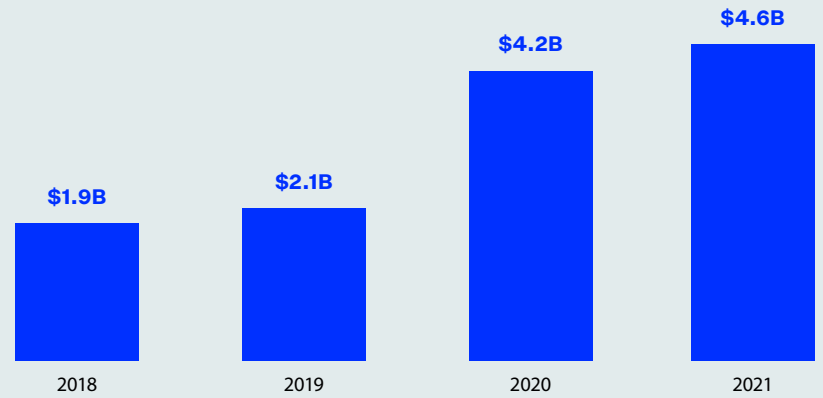
Our operating and financial performance highlights our discipline and commitment to sustainability. We ended 2021 with more than 660,000 customers, a 31% year over year improvement, pro-forma to include Vivint Solar. We adapted swiftly to the dynamic environment during the year, improving our cost structure, increasing our market position, and strengthening our competitive advantages.

We have $9.7 billion of gross solar system assets on our balance sheet and have largely funded our growth with non-recourse project debt and tax equity. Sunrun ended 2021 with $9.7 billion in Gross Earning Assets and $4.6 billion in Net Earning Assets. The company has $5.9 billion in non-recourse debt, which is solely secured by the solar energy systems.

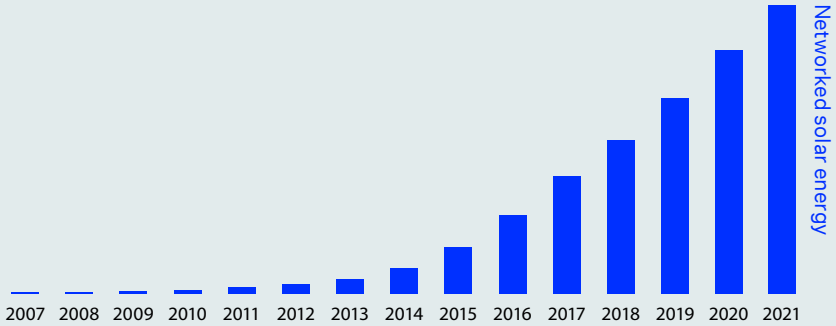
2021 Financial & Operation Highlights:

- ***Total Revenue of $1.6 billion, an increase of 75% compared to 2020***
- ***Customer Agreements revenue of $827 million, an increase of 71% compared to 2020***
- ***660,000 customers at year-end, 31% year-over-year growthpro-forma to include Vivint Solar***
- ***Net Earning Assets of $4.6 billion***

Please see our periodic reports filed with the SEC and our quarterly earnings presentations available on our website at investors.sunrun.com for important information about our metrics and their definitions, as well as our financial statements.



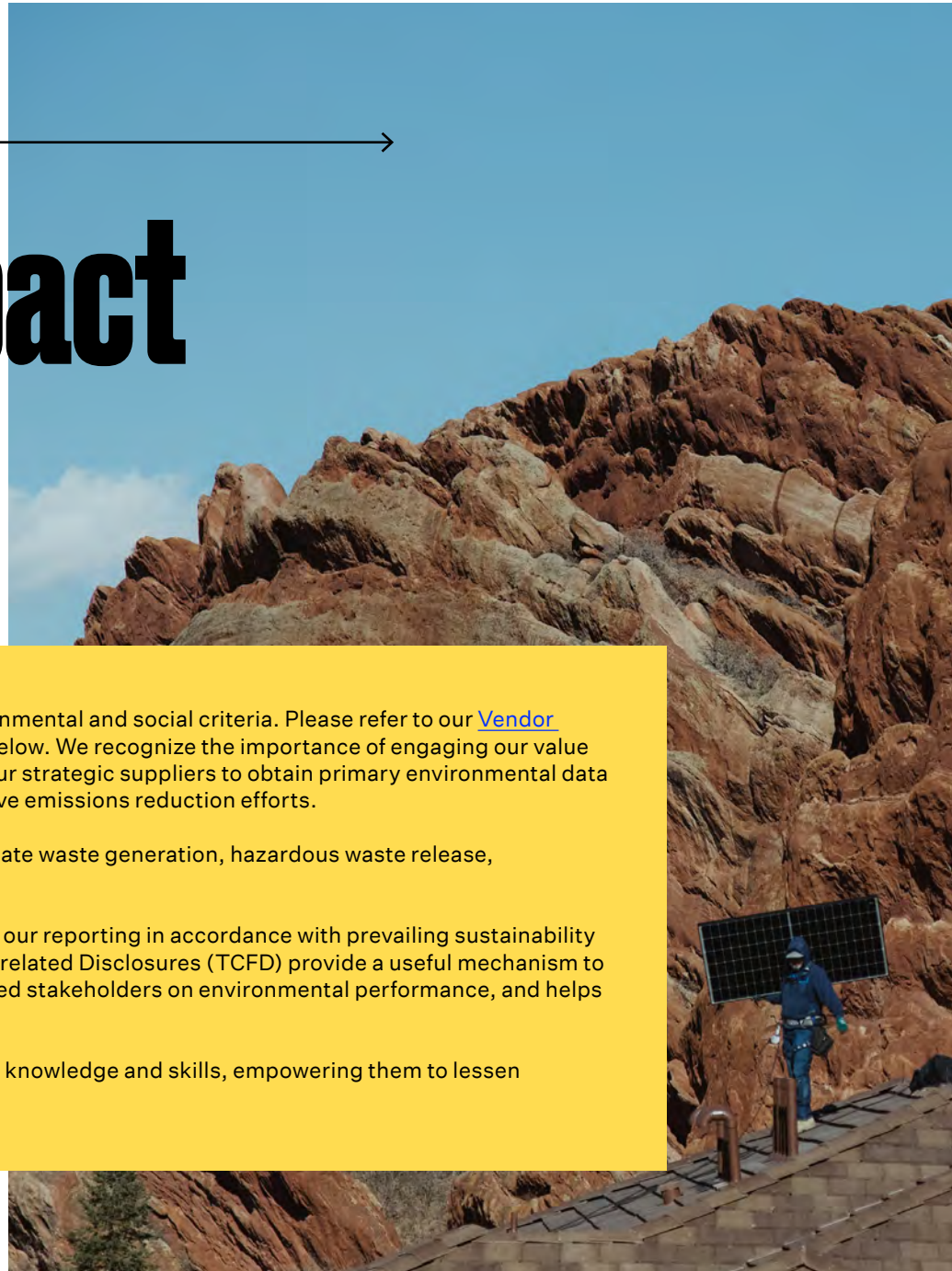
Net Earning Assets



Growing Customer Base

Environmental Impact

Sunrun's Environmental Impact



Inaction on climate change threatens global security and stability, and responding with solutions has always been the driving force behind our company mission. Building a more local, human-centered energy system through home solar, battery storage, and other home electrification technologies is the foundation of our work. Sunrun is also committed to comprehensive environmental stewardship, including:

- **Supplier Responsibility:** Sunrun vendors are subject to screening and audit based on environmental and social criteria. Please refer to our Vendor Code of Conduct for more information on the policy and our "Vendor Sustainability" section below. We recognize the importance of engaging our value chain partners to help drive emissions reduction efforts. This year we directly engaged with our strategic suppliers to obtain primary environmental data to understand their role in our emissions footprint and continue to engage key suppliers to drive emissions reduction efforts.
- **Resource Efficiency and Pollution Prevention:** Sunrun has made efforts to reduce or eliminate waste generation, hazardous waste release, greenhouse gas emissions, and to engage in product end-of-life stewardship.
- **Performance Evaluation and Reporting:** We monitor performance and continue to enhance our reporting in accordance with prevailing sustainability reporting frameworks. We also believe the recommendations from the Task Force on Climate-related Disclosures (TCFD) provide a useful mechanism to increase transparency and climate-related disclosures. Our annual reporting informs interested stakeholders on environmental performance, and helps us identify priority areas for focus and improvement.
- **Employee Awareness:** Employees are provided with opportunities to develop environmental knowledge and skills, empowering them to lessen personal adverse environmental impacts.

Sunrun's Climate Change Strategy

In 2021, Sunrun further solidified its position as a global leader in solar deployment and environmental stewardship after successfully acquiring and integrating Vivint Solar. This transaction has accelerated the shift to a lower-carbon, more climate-resilient economy. As persistent climate risks and industry inertia disrupt or compromise operations—during the recent fires in California, East Coast hurricanes, and freeze-caused blackouts in Texas—we continue to assess and respond to current and future climate risks by leading on the electrification of the home, community, and transportation.

Since 2007, Sunrun has deployed 4,677 megawatts of solar power which results in an estimated carbon avoidance of nearly 11.2 million metric tons. With more than 660,000 customers, we see a new system installed every one minute on average in workday minutes. This has created approximately $800 million in savings for our customers, who see an average bill savings of 5-45%.

In more recent years, and in the face of increased outages nationwide, we've built on that solar foundation to offer a cleaner, more reliable, and more resilient approach to energy. We now have more than 32,000 residential battery systems deployed—far more than any other energy company—and are increasingly networking these together to form valuable energy resources for the grid (such as virtual power plants) to offer greater potential for resiliency and precision over bulky centralized infrastructure. As the demand for electric vehicles continues to grow, and home electricity usage grows with it, Sunrun has begun teaming with leading automakers, like Ford Motor Company, to deliver options for an electrified future outside the walls of the home.

One thing this year's report makes clear is our business has evolved beyond rooftop solar. We are now a leading residential solar, battery storage, home electrification, and grid services company. It is only through continued efforts to expand our products and services to our growing customer base, and to adhere to our evolving environmental and social policies, that we can provide more energy resiliency, sustainability, and control that will better insulate ourselves, our partners, and our communities from the consequences of unchecked climate change.

Reducing GHG Emissions

During 2021, we deployed 792 megawatts of solar power. These systems can generate more than 31 billion kilowatt-hours of clean energy during the next 30 years, which is estimated to be equivalent to more than 17 million metric tons of CO2e avoided. This quantity is more than 21 times greater than the quantity of CO2e emitted to deploy these systems, which means that the systems Sunrun has deployed negate significantly more emissions than we produce.

Sunrun's GHG emissions calculation followed the guidance provided in the GHG Protocol Corporate Standard[5]. We prepared our first emissions inventory in 2017; this year we refined our methodology, broadening our scope to include a more granular and expansive assessment of our Scope 3 emissions based on new data availability from our vendors and systems. We conducted an in-depth assessment of our indirect emissions by collecting primary data from our value chain partners, which provided us with greater visibility into our GHG emissions footprint. This was a fundamental first step as we look to adopting science-based emission reduction targets. Please refer to the Appendix for more details on our calculations and the main assumptions behind them.

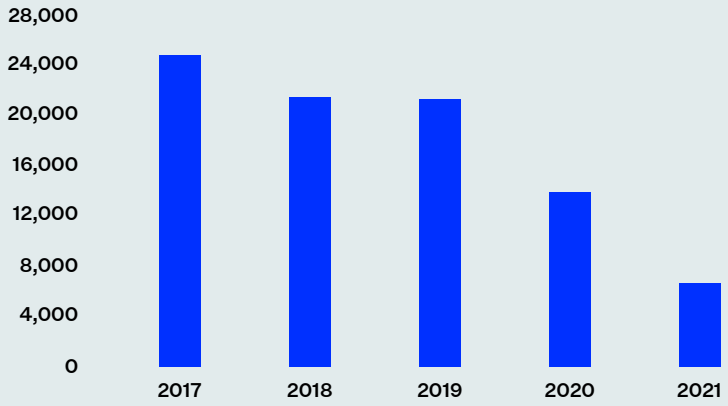
	2017	2018	2019	2020	2021
Direct Emissions (Scope 1) + Electricity Indirect Emissions (Scope 2) Thousand MTCO2e	57	35	39	52	41
Other Indirect Emissions (Scope 3) Thousand MTCO2e	227	257	290	423	754
Total Emissions from Operations (Scope 1-3) Thousand MTCO2e	284	291	329	475	795
Emissions Intensity Thousand MTCO2e / MW Deployed	0.88	0.78	0.80	0.79	1.00
Emissions Intensity Thousand MTCO2e / $M Revenue	0.54	0.38	0.38	0.35	0.49

Please see our periodic reports filed with the SEC and our quarterly earnings presentations available on our website at investors.sunrun.com for important information about our metrics and their definitions, as well as our financial statements.

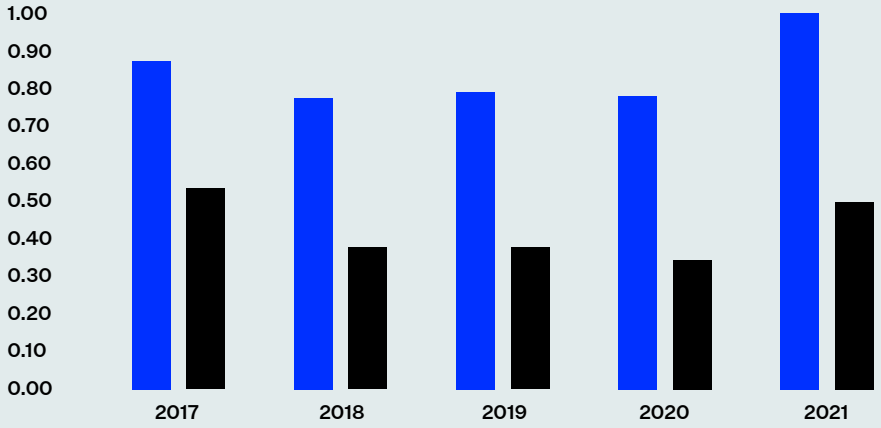
In 2021, our Scope 1 and Scope 2 emissions declined slightly while our Scope 3 emissions increased more significantly. Our Scope 1 and Scope 2 emissions improved based on more granular data collection in addition to reduced footprint of occupied facilities. Our Scope 3 emissions increased owing to several factors, including:

- A large increase in inventory, which is included in Scope 3 emissions even though the equipment was not deployed in the field (Sunrun's 2021 inventory balance increased $224 million, or 79%, while Solar Energy Capacity Installed increased 31%).
- More robust data on shipping route logistics for all large suppliers of equipment.
- Balance of system components, such as aluminum for racking equipment, along with more raw materials used in key components.
- Modifying our GHG emission factors for modules to use a different module manufacturer's disclosed emissions, as a proxy to normalize GHG emissions for all purchased modules, owing to data availability and evolving mix of module suppliers.

Energy Intensity (kWh/$M Revenue)



Emissions Intensity



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Emissions intensity (thousand MTCO2e/MW Deployed)

Emissions intensity (thousand MTCO2e/$M Revenue)

Positive Carbon Returns

Once Sunrun's solar energy systems begin operating, positive carbon returns accrue rapidly. Our deployed solar energy systems prevent more GHG emissions than they emit over their product life cycle, resulting in a net-positive carbon balance. After operating for just 17 months, a Sunrun solar energy system has produced enough clean energy to compensate for the emissions released during manufacturing and installation of the system. Because Sunrun's systems are expected to produce clean energy for 30 years or longer, our systems prevent the release of harmful GHGs for 95% of their lifetime.

Emissions Considered	Carbon Payback Period (Years)	Positive Carbon Returns (Years)
Operations + Supply Chain	1.93	28.61

The energy generated by Sunrun's cumulative deployed systems of 4,677 megawatts, over their 30 year life span, will have avoided the generation of

98 million metric tons of CO2e.

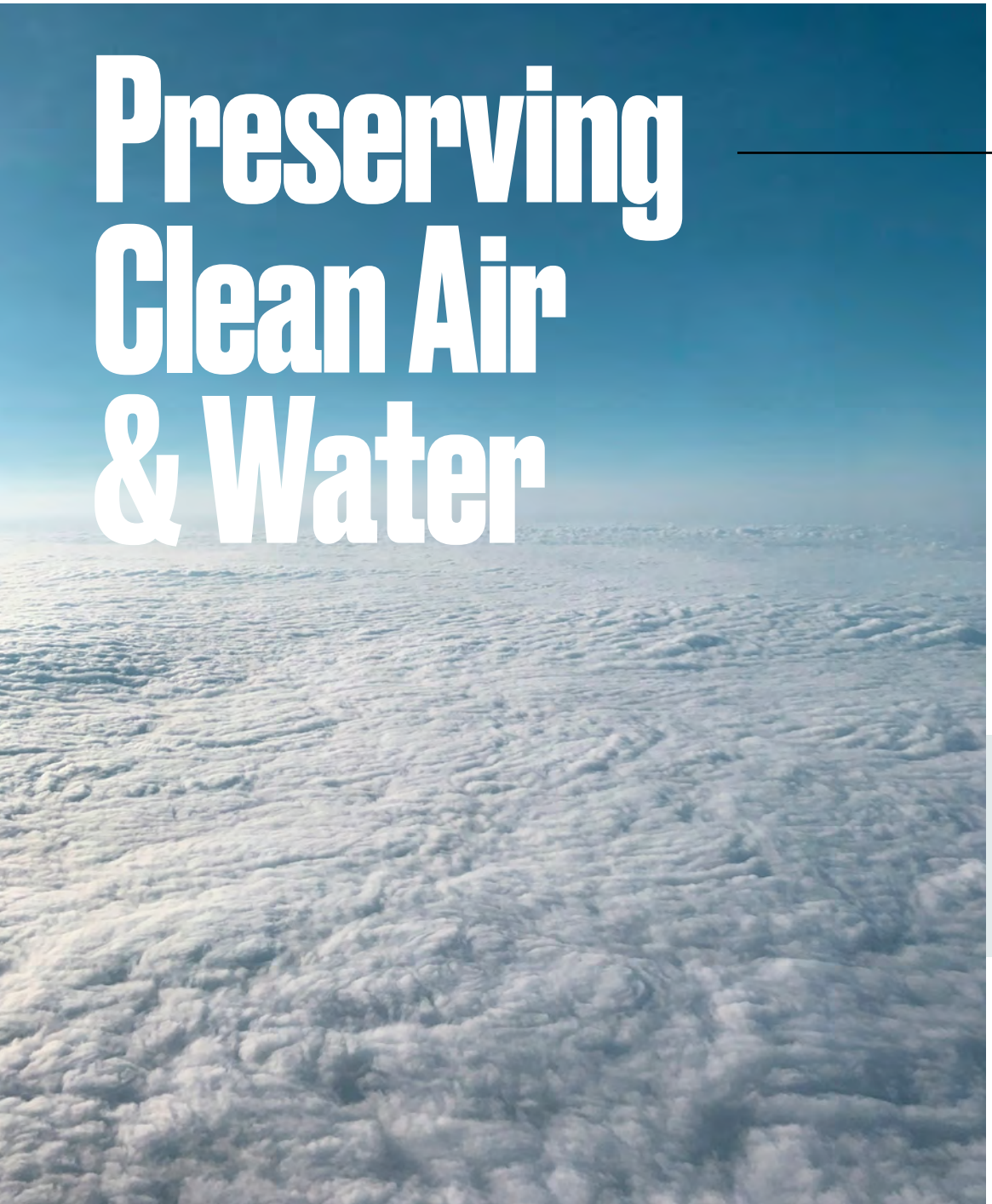
For each metric ton of CO2e that Sunrun emitted in 2021, the solar energy systems that Sunrun deployed in 2021 are expected to produce enough clean energy to avoid more than

21 metric tons of CO2e emissions over 30 years

For each metric ton of CO2e emitted by Sunrun in 2021, our entire fleet of solar energy systems have produced enough clean energy to avoid approximately

14 metric tons of CO2e from entering the atmosphere*

*This total has been updated since the original publication of our Impact Report to correct a tabulation error.



Preserving Clean Air & Water

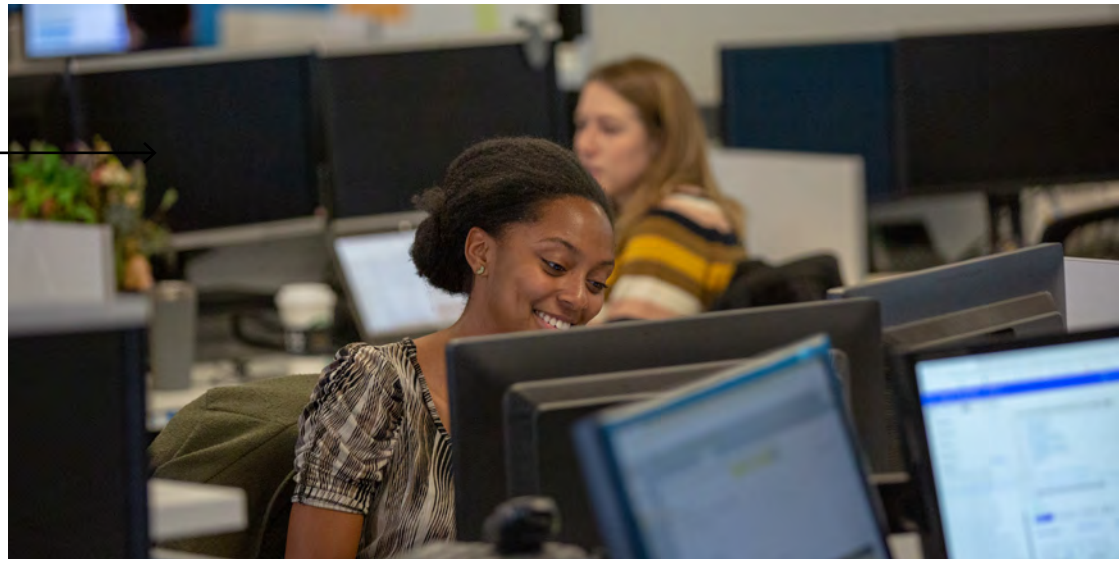
Solar energy prevents emissions of nitrogen oxides, sulfur oxides, methane, and ozone that result from the combustion of fossil fuels. The electricity produced by systems that Sunrun deployed in 2021 provides a meaningful reduction of these harmful pollutants by lowering households' consumption of fossil-fuel electricity. Additionally, solar and other renewable sources of electricity emit fewer GHG emissions per kilowatt-hour during their lifecycles than fossil fuels[6,7].

In addition to preventing the release of air pollutants, Sunrun systems do not consume large amounts of freshwater like fossil-fuel power plants do. Cooling traditional power plants requires the withdrawal of more freshwater reserves than any other activity. Solar energy production helps lessen this freshwater consumption by reducing the use of energy from thermoelectric sources. The U.S. Energy Information Administration estimates that more than 47 trillion gallons of water was withdrawn for thermoelectric power plants in 2020, or approximately 12,000 gallons of water per megawatt-hour produced. Based on the electricity generated by Sunrun's solar systems in 2021, more than 55 billion gallons of water were conserved and not utilized for power generation, assuming the energy produced resulted in an equivalent reduction in thermoelectric power generation.

Generation Source	Carbon Dioxide Emissions (g/kWh)
Sunrun System	23.25
Coal	979
Natural Gas	470

Environmental Management System

As the largest solar provider in the United States, we hold ourselves accountable for managing all our environmental impacts in a way that improves the wellbeing of the planet. This commitment to develop and implement an environmental policy and an environmental management system (EMS) prioritizes continual improvement. We also study our environmental impacts across our value chain so that we can define environmental performance metrics and improvement targets. In 2021, Sunrun started working with vendors to make utility reporting more robust, which has resulted in significantly improved data for the company's EMS program. Now, with Vivint Solar fully integrated, we will continue to build a solid foundation anchored by a more sustainable operating environment in 2022.



Vehicle Fleet

We have made significant improvements in our fleet management and telematics capabilities, which expanded real-time monitoring to our entire fleet and provided opportunities to track drivers, optimize route patterns that enhanced safety, and reduced emissions and operating costs. While our fleet size has grown nearly 30% to support the growth in operations, we are well positioned to meet the updated goal of converting half of our vehicle fleet to hybrid or electric by 2025. As with the rest of the industry, the global chip shortage is delaying our ability to aggressively switch over to electric vehicles and, as a result, we will be employing a two-step approach to convert more towards hybrid vehicles in the near term and continue conversion to all-electric vehicles as availability improves.

We also continue to evaluate ways to further decrease our need for fleet vehicles. For example, by utilizing drones to conduct site surveys, we need fewer dedicated site survey resources, including vehicles. Additionally, we are looking at alternative models to reduce our reliance on large box trucks to transport materials.

Facilities

Increasing Facility LED Lighting
In 2021, Sunrun continued to convert warehouse lighting to light-emitting diode (LED) bulbs, which are about 25% more efficient than standard compact fluorescent lamp (CFL) bulbs and about 80% more efficient than halogen bulbs. As a policy, all new facilities will have LED lighting in all primary areas.

Move to Electrification
In 2021, Sunrun continued its efforts to utilize electric forklifts in the majority of its warehouses. By the end of 2023, Sunrun will only have electric forklifts in permanent operation.

Reducing Corporate Office Space
In 2021, Sunrun decreased its overall corporate office space by 177,274 square feet, representing a 39% reduction. By optimizing the amount of leased corporate office space, Sunrun minimizes heating, cooling, and electricity emissions.

Equipment Recycling

As we continue to grow and deploy systems, we bear significant responsibility for managing the end of life for our hardware. That's why Sunrun integrates product end-of-life considerations into our EMS and plans to decommission, redeploy, resell, or recycle our energy systems. In 2021 alone, Sunrun redeployed or recycled more than 2.6 megawatts of solar panels. Sunrun uses monocrystalline and multicrystalline photovoltaic modules, thereby avoiding the growing concerns about hazardous materials present in alternative chemistries such as thin-film modules. We now have processes in place to sustainably dispose of modules, batteries, inverters, and other electronic equipment used in installations through partnerships with third-party recycling and refurbishment vendors, such as Recycle PV Solar, Echo Environmental, and other groups associated with the Solar Industry Energy Association's (SEIA) National PV Recycling Program. These vendors are certified under the Responsible Recyclers R2:2013, OHSAS 1800:2007, and ISO 14001:2007 standards. We are also working with our third-party vendors to redeploy or resell modules to minimize recycling to support a reduced environmental impact overall. Learn more about the industry's approach to lifecycle considerations from the SEIA.

Vendor Sustainability

Sunrun works with vendors that share our commitment to creating a better, greener, and kinder planet. That's why we included policies on environmental protection and sustainability as well as responsible mineral sourcing in our Vendor Code of Conduct, adopted in January 2019. We expect all of our vendors to adhere to the policies set forth in Sunrun's Vendor Code of Conduct.

Responsible Mineral Sourcing

Sunrun expects its vendors to provide products that contain only responsibly sourced commodities. Vendors that supply products containing minerals including, but not limited to: cobalt, wolframite (titanium), cassiterite (tin), tungsten, and gold sourced from conflict-affected and high-risk areas must ensure that the sourcing of these minerals does not knowingly contribute—directly or indirectly—to armed conflict, including terrorist financing, or human rights violations. Sunrun expects vendors to source minerals in a manner consistent with the Organization for Economic Cooperation and Development's (OECD) Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas.

Sunrun recognizes that cobalt, a mineral used in some types of batteries, presents an increased risk of being sourced from areas associated with unfair labor practices. Because of this, we choose to work with battery manufacturers that share our commitment to responsible mineral sourcing. Some of our main suppliers are members of the Responsible Cobalt Initiative, which aims to create a shared set of policies and increase transparency around the cobalt supply chain. Additionally, Sunrun will continue to evaluate battery innovations that may further reduce the mineral content of batteries.

Preventing Forced Labor

Sunrun is also at the forefront of addressing concerns about forced labor in the solar supply chain. Over the past two years, Sunrun has played a leading role in the development with SEIA of the Solar Supply Chain Traceability Protocol, and Sunrun has worked closely with its suppliers to improve their end-to-end supply chain traceability and transparency. Additionally, Sunrun has developed a Certificate of Compliance program executed in partnership with many of these suppliers and has verified with third party audit firms to validate and enforce these traceability standards. Sunrun will continue to expand and deepen its end-to-end supply chain management to support the ethical and fair treatment of all employees.

Societal Impact

The Workplace

In 2021, we continued with our commitment to employee health and safety. It was a pivotal year mixed with opportunities and challenges, and we appreciate the focus our people kept on our core values as they navigated the many changes.

The workplace means something different to each person, depending on whether they serve corporate functions and work from home for the majority of the year, or are frontline essential workers who continue to show up at job sites, providing necessary energy services to customers in need. No matter where our people are working from, they've consistently risen to the challenge during a pivotal moment in our society and company's history.

To ensure we are meeting our people's needs as much as possible, our corporate roles will enable choice in choosing their work arrangement. Ultimately, the goal is for our people to agree on an arrangement that fosters the best possible results and outcomes for themselves and their teams. In 2021, we continued to be fully remote for the majority of our corporate roles, with in-office team meetings for collaboration as needed. For in-field employees, our cross functional COVID-19 Safety Task Force continues to monitor safety standards and implement additional policies and protocol for employees. We are committed to enabling a work life balance and improving the personal lives of our people.

Workplace Safety

Access to a healthy and safe workplace must be a fundamental human right, and ensuring the safety of Sunrunners, our customers, and local communities remains Sunrun's top priority. In 2021, creating a culture of safety took on a different meaning. In addition to ensuring jobsite safety, we were tasked with helping a workforce of thousands navigate through the ongoing COVID-19 pandemic.

Employee Safety

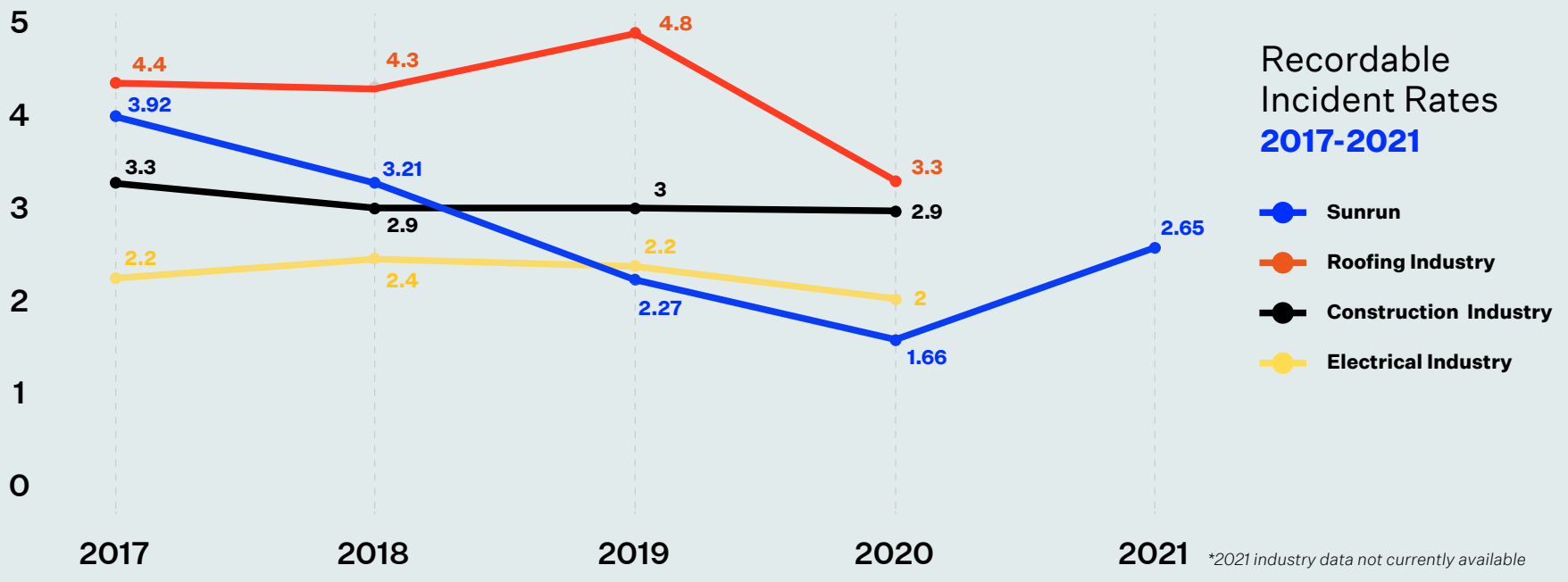
Sunrun is deeply committed to employee safety and has created industry-leading programs to help drive positive results. The company is in the process of combining these best practices to create a new standard for the industry going forward. Our growing safety team takes pride in training, reporting, and enforcing workplace safety for all employees.

The backbone of a strong safety culture is trust. We are creating an environment where our people feel empowered to help us create a safe place to work, and we believe the success of these efforts will be seen in the continual improvement of our tracked safety metrics year-over-year.

Year	2017	2018	2019	2020	2021
Total Recordable Injury Rate (TRIR)	3.92	3.21	2.27	1.66	2.65
Lost-time Incident Rate (LTIR)	0.76	0.37	0.41	0.17	0.54
Work-related Fatalities (WRF)	1	0	0	1	1
Days Away, Restricted, or Transferred Rate (DART)	2.96	2.41	1.87	1.3	2.03

Comprehensive safety training and certification programs also play a vital role across our organization. The acquisition of Vivint Solar provided the opportunity to create a written manual containing policies, guidelines, references, and Standard Operating Procedures to help better provide employees with referenceable safety guidelines.

To further help foster employee safety, Sunrun has structured methods of documenting training for site visits, inspections, meetings, and communications when operating in the field. This includes an established clear corrective action policy, code, training manual, HIAPP, and CPR certifications, in addition to all OSHA-required safety topics.



Compared to similar industries, like roofing, electrical, and construction, Sunrun's incident rates continue to be lower than most averages.

Sunrun's internal training programs are further strengthened by external certification and licensing agencies, including journeyman and master electrician license holders, Certified Safety Professionals (CSP) through the Board of Certified Safety Professionals (BCSP), PV installation certifications from the North American Board of Certified Energy Practitioner (NABCEP) and OSHA 30 cardholders. All construction supervisors and foremen maintain CPR certification.

In 2021, Sunrun increased the use of drones to perform site inspections and audits, training every Site Tech hired to fly and receive a drone. This reduces the need to scale roofs with ladders to perform measurements, increasing both safety and efficiency. In doing so we created the largest drone fleet in residential solar.

In February 2020 alone, Sunrun averaged over 2,200 drone flights a week, meaning Site Techs were able to generate crucial measurements while avoiding climbing over 8,500 roofs. The technology to perform drone-based site-inspections is now at 80% of Sunrun branches, demonstrating a large shift towards digital process and enabling us to keep our customers and employees safe, while still gathering critical information.

Verification and Compliance

Compliance with safety policies are achieved through vehicle monitoring, inspections, and auditing of quality-assurance (QA) photographs. The telematics devices in each of our fleet vehicles constantly transmit data on speed, driving behavior, and location, allowing for targeted training on vehicle safety to employees. All installs are audited for safety through photo documentation, ensuring our work is performed to Sunrun's safety and quality standards. Additionally, jobsite and facility audits are performed at random to verify compliance and comprehension of training.

Product Safety

Sunrun's Safety and Logistics departments collaborate on the selection of all new products. When a new chemical is considered for use in field, office, or warehouse environments, Sunrun first evaluates the health and environmental hazards documented on the safety data sheet published by the chemical's manufacturer. Only products that can be safely handled with basic personal protective equipment are accepted for use by Sunrun employees.

Vendor Health and Safety

Our commitment to ensuring safe and injury-free workplaces extends to our vendors. Sunrun's Vendor Code of Conduct requires that all vendors provide workers with a safe and healthy work environment. We require vendors to comply with all applicable health and safety laws, regulations, and practices, including those relating to occupational safety, emergency preparedness, occupational injury and illness, industrial hygiene, physically demanding work, machine safeguarding, sanitation, food, and housing. We also require vendors to ensure that all required permits, licenses, and registrations are obtained, maintained, and kept up-to-date and that all workers are qualified and equipped to perform activities safely and responsibly.

To ensure that vendors abide by Sunrun's Vendor Code of Conduct and applicable laws and regulations, Sunrun may conduct periodic vendor audits. When an audit uncovers a violation, Sunrun reserves the right to terminate its relationship with the vendor and impose restrictions on future business, unless the violation is promptly corrected. Sunrun aims to survey vendors that comprise at least 80% of total value transacted with Sunrun, along with new vendors, seeking affirmations that each vendor is aware of and compliant with the Vendor Code of Conduct.

People and Communities

At Sunrun, the foundation of all our talent programs and initiatives is to foster a culture of inclusive, connected, and innovative teams. In 2021, we focused on building a shared identity and strengthening our Sunrun culture of belonging, particularly as we completed the integration of Vivint Solar and our community navigated through the ongoing challenges of COVID-19.

Our Workforce

Sunrun ended 2021 with approximately 11,300 employees throughout the United States. At the company level, 84% of our employees are in frontline functions engaging with our customers. Those employees in frontline functions consist of 47% of employees who are involved in installations and 37% in sales. Management and corporate functions comprise 16% of our total employee population.

To create an employee experience based on organizations' and employees' top priorities, we initiated our employee listening strategy in 2021. We started with the first annual engagement survey post integration, where we identified that we excel in creating an open and trusting environment between direct managers and employees and clearly communicating expectations from employees. We continue to leverage these strengths as we develop our actions plans to improve our customer orientation and leadership engagement.

Inclusion & Diversity

At Sunrun, we're obsessed with our customers and our mission to electrify their homes and transportation through an abundant, renewable energy resource. That is only made possible by having a team that understands our customers and what their energy needs may be. This can't be accomplished without a diverse team that reflects our customers and who can connect with their experiences and backgrounds.

We believe it's critically important to have an inclusive culture where everyone can perform their best and contribute new ideas. That inclusive culture starts with a commitment to respect and humility. We respect individuals for who they are and acknowledge we're only going to grow by being open to learning about the experiences of others. We are setting the expectations that everyone, at every level of the organization, is responsible for cultivating a more inclusive workplace. By intentionally practicing inclusion and ensuring our teams are diverse, we'll make better decisions for our planet, our customers and our employees.

Sunrun believes in respecting and appreciating the unique cultures and celebrations of our employees. In addition to our company holidays, we also provide employees a flexible holiday to recognize and observe culturally significant and religious observance holidays that are important to them. These include options for Lunar New Year, Vaisakhi, Easter, Eastern Orthodox Easter, Eid al-Fitr, Eid al-Adha, Rosh Hashanah, Yom Kippur, Indigenous Peoples Day, Diwali, and Veterans Day. Beginning in 2020, we also added Juneteenth as a recognized company holiday.

Employee Programming

In 2021, we continued to focus on employee programming that addressed a wide variety of interests and topics. Our monthly Candid Conversations, Why Language Matters podcast, and Critical Conversations addressed current events and communications to support employee wellness and mental health.

- Candid Conversations are a monthly livestream for all employees to encourage and guide discussions about difficult topics in a psychologically safe environment. Some of the topics in 2021 included Allyship and Anti-racism; Mental Health and Illness; Military to Civilian Life Transition; and English as a 2nd Language.
- Podcasts were started to help bring content to our employees in a format that is easier for them to engage. Some of the topics in 2021 included Gendered Language and The Danger of Colorblind Thinking. In addition, all of the monthly livestream Candid Conversations are converted to podcast format for employees to listen when most convenient for them.
- In 2021, we also hosted Critical Conversations in response to recent societal events. This included Microaggressions in the AAPI Community in response to attacks on the elderly Asian community.
- Monthly mental health reminders and wellness events are shared with employees to reiterate the importance of leaders to check in with their teams and ensure self care for all of our people.

Employee Resource Groups

We believe one of the best ways for employees to connect with each other, understand varying experiences, and collaborate to solve the complex issues we face every day is through our Employee Resource Groups (ERGs). These groups include Sunrun's Asian+, Black+, Latinx+, Pride+, Veterans+ and Women's+ ERGs. As of December 31, 2021 these groups have grown to approximately 1,200 employees. These ERGs assist in the development and facilitation of programming that supports personal and professional development while also supporting the company's objectives. Some examples included Professional Development Workshops to encourage career growth, organizing Candid Conversations, and supporting religious and cultural holidays.

In March 2022, we proudly launched our seventh Employee Resource Group, the Disability+ ERG. This group will provide a space of belonging for our employees with visible and invisible disabilities as well as providing information for allies to learn about the complex issues facing this community. In the first seven days of the launch of this ERG more than 75 employees signed up to get involved. We're excited for what we expect this group to provide for the support of our employees, customers, and community.

Our Senior Leadership Inclusion Council consists of Directors, Senior Directors and Vice Presidents from across various business unit functions who meet monthly, advise the ERG leadership teams, and act as a steering committee for our company Inclusion and Diversity initiatives.

Talent Acquisition and Talent Management

Sunrun is proud to be an equal opportunity employer that does not tolerate discrimination or harassment of any kind. Our commitment to Diversity, Inclusion & Belonging drives our ability to build diverse teams and develop inclusive work environments. At Sunrun, we believe empowering people and valuing their differences will help us create a planet run by the sun for everyone.

We are committed to sustaining our focus of hiring, supporting and elevating more women and BIPOC employees across all levels and functions. This includes continuing to identify and invest in partnerships that help us recruit from a more representative talent pool and ensuring that we consider a diverse slate of candidates when recruiting for our most senior level roles.

In 2021, we accelerated our efforts to hire those who have served our country. Sunrun was selected to be the first national solar company to participate in the Department of Defense's SkillBridge program. The program provides opportunities to launch careers after returning from active duty, for both servicemen and women. In addition, Sunrun became the first solar company to be approved for the Military Spouse Employment Program (MSEP) to provide opportunities to spouses of our serving servicemen and women.

At Sunrun, we believe investing in the career growth of our employees is paramount to developing and maintaining our competitive advantage. In 2021, we identified multiple opportunities to support that objective including sponsoring six employees who identify as Black+ to attend the Executives Leadership Councils Mid-Level Managers Symposium; sponsored eight employees who identify as LGBTQ+ to attend the Out & Equal Workplace Summit; and sponsored five employees who identify as women to attend the Women of Renewable Industries and Sustainable Energy Conference.

In partnership with McKinsey & Company, we also nominated 66 employees to participate in the McKinsey Leadership Academies for employees who identify as Asian, Black and Hispanic or Latino. These Leadership Academies include a six-month Management Accelerator Program and a three-month Executive Leadership Program.

Demographics

Achieving a more diverse workplace begins with understanding our current demographics. We believe that transparency in our representation, at all levels of the organization, helps us identify areas of needed improvement and measure our success. Our assessment at the end of 2021 highlighted the depth of diversity we have in our overall employee population from a Black, Indigenous and People of Color (BIPOC) standpoint. However, we saw a less positive picture in female representation across all levels and very limited BIPOC representation at higher levels.

As of December 31, 2021, individuals who identify as women comprised 56% of Sunrun's Board of Directors and 50% of our executive management team. Approximately 20% of all Sunrun employees identify as women.

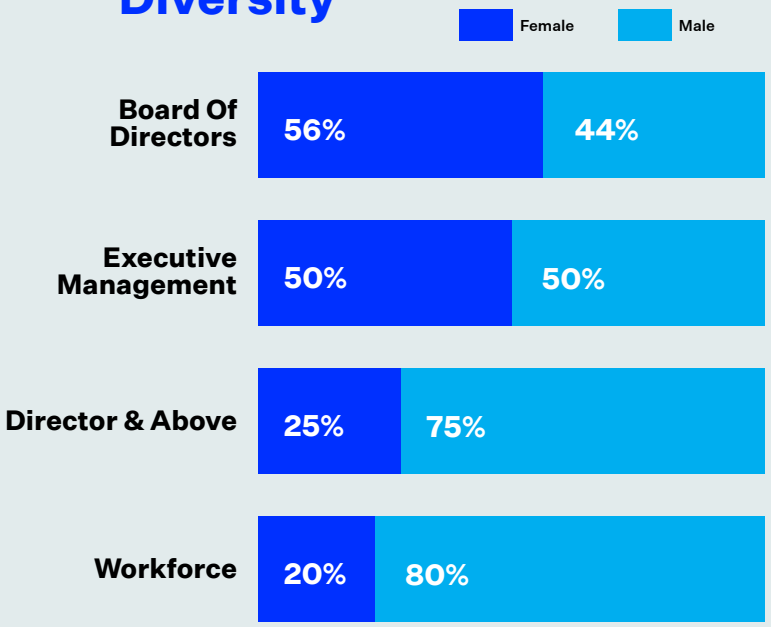
In 2021, Sunrun established goals to achieve equal gender representation in Director and above roles and equal race/ethnicity representation in manager roles by the end of 2025. Due to certain changes in our employee base, resulting from our acquisition of Vivint Solar and other demographic changes during the COVID-19 pandemic, we have determined that these goals required review. In light of this re-assessment of our current and projected employee base, we have revised our goals to foster a diverse workforce that represents our customers and the communities in which we live and work by:

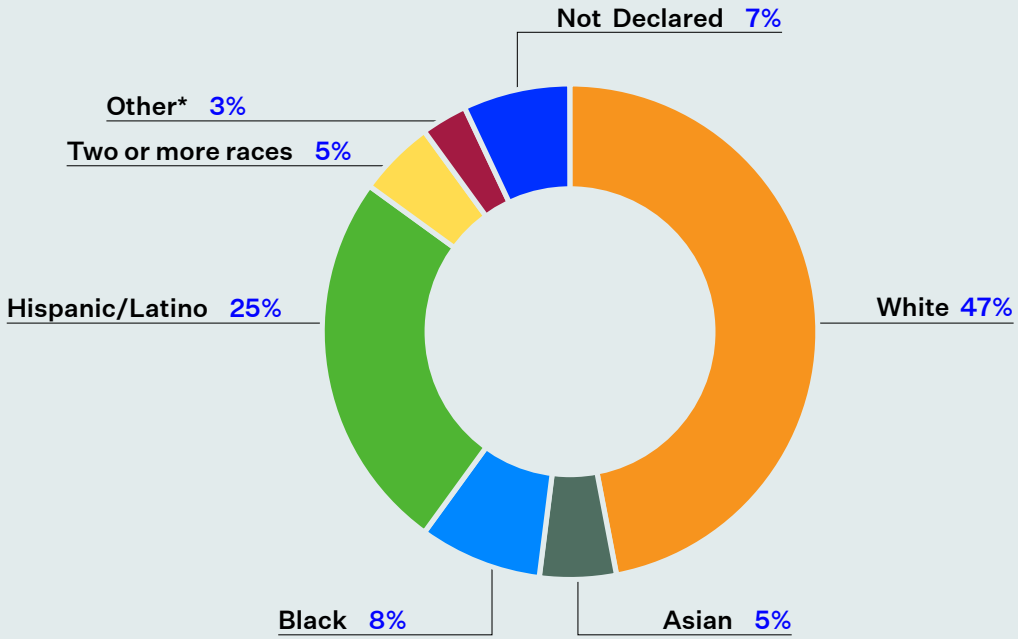
1. Increasing the representation of employees who identify as women in Director and above roles by 50% and increasing our Black, Indigenous, and People of Color (BIPOC) representation in manager roles by 25% by the end of 2025.
2. Reaching gender parity in Director and above roles and BIPOC representation parity in Manager roles by the end of 2030.

As of December 31, 2021 our Director and above team is approximately 25% employees who identify as women and our Manager roles are approximately 35% BIPOC.

As we work toward our 2030 goals, we are following many of the best practices established by organizations like the California Commission on the Status of Women and the SEIA Diversity Best Practices Guide for the Solar Industry which include establishing processes to ensure we have diverse candidate slates and diverse interview panels. Additionally, we participate on the SEIA Diversity, Equity, Inclusion & Justice Leadership Council to stay up to date on best practices and contribute to benchmarking efforts.

Gender Diversity





Executive Management is defined as the Executive Management Team as of December 31, 2021 https://investors.sunrun.com/leadership-governance/management-team

**Other consists of employees who identify as American Indian or Alaskan Native; Middle Eastern or North African; Native Hawaiian or Pacific Islander; or Other*

Employee Support and Development

We believe people do their best work when they understand expectations and are developed, promoted, and held accountable in line with these expectations. To reinforce Sunrun priorities, leadership competencies have been developed for all employees. These competencies are foundational to our talent programs and will be reinforced in hiring, training, performance management, career development and other reward and recognition programs.

Continuing Education & Training

We provide training, education, and development to all of our employees. In 2021, we launched PowerU, a continuing education program to further the development of our people, whereby all employees have access to building skills needed for their career. This program will help build our leadership pipeline, upskill employees with critical in-demand skills like electrical work, and provide upward career mobility to all employees. Our efforts in the growth and development of Sunrun employees accelerated, with 30% of our employees as of December 31, 2021 enrolled for PowerU. We continued to build our electrician talent pipeline in 2021, launching state-specific educational pathways to become a licensed journeyworker. As of December 31, 2021, this included approximately 150 Sunrun employees who are enrolled in certificate programs to become an electrician. By investing in our people, we can attract and retain the best workforce with the skills needed to electrify homes across the country.

To ensure an excellent employee and customer experience we offer extensive product training, employee development programs and leadership training. In 2021, we built the new hire orientation program to support remote onboarding and launched programs on code of conduct for sales to strengthen our governance practices.

To reinforce our commitment to an inclusive workplace, we also required training to prevent harassment and discrimination. We have a robust library of online materials, including electronic learning modules from third parties, plus over 400 custom, in-house-developed online modules. These range from two-minute “how to” videos to complex, multi-hour training programs, leading to over 40,000 hours in completed online training in 2021.

Our skill-based employees take advantage of live and virtual classroom training, hands-on training, and on-line learning in the form of e-learning and webinars, consisting of 272 days of instructor-led training. In 2021, Sunrun had 660 active users on LinkedIn Learning, an on-demand learning solution designed to provide our employees with the tools to take charge of their development, who logged more than 2,265 total hours developing their skills. The portal averaged nearly 3.5 hours per viewer.

Expectations & Feedback

To support holistic career development, we have a “check-ins” system for all employees. This is an ongoing process with three formalized touchpoints during the year. This approach helps managers and employees align on expectations, discuss progress, provide feedback, and engage in an ongoing dialogue about career aspirations. The goal is to expand check-ins to a more robust “culture of feedback” philosophy that will fully incorporate one-on-ones, check-ins, stay interviews, skip level meetings, and more.

Compensation, Wellness, and Benefits

Sunrun is actively working to differentiate ourselves in terms of total rewards and benefits to help us attract and retain talent.

2021 highlights

- Sunrun committed to providing a living wage of at least $15 per hour to all employees.
- We launched a new education benefit, Power U, through Guild Education. With this benefit, employees receive 100% funding for all programs offered including reimbursement for all required course books and fees.
- We developed a robust COVID-19 leave policy to support employees:
  - » We implemented a remote worker policy for non-field employees.
  - » For field employees, the COVID-19 Safety Task Force has continued to establish protocols in accordance with the latest guidance from government agencies to keep our employees safe.

Paid time off

- It is important for our employees to spend time with their families, focus on personal well being, and serve their communities. In 2021, we offered:
  - » 11 paid holidays
  - » Paid time off for non-exempt employees and freedom time off for all exempt employees
  - » Two paid volunteer days per year to allow our employees to help build stronger communities
  - » One annual flexible holiday
  - » 10 days of paid leave for active military service
  - » Up to 10 weeks of paid parental leave for all employees who have been at the company for more than a year

Pay Parity at Sunrun

Sunrun also continues our commitment to the following pay parity pledges:

- White House Equal Pay Pledge of 2016 under the Obama Administration
- The California Equal Pay Pledge developed as part of the partnership between the California Commission on the Status of Women and Girls and the Office of California First Partner Jennifer Siebel Newsom (April 1, 2019)

Company Recognition

Sunrun received a score of 100 on the 2022 HRC Corporate Equality Index "Best Place to Work for LGBTQ+ Equality," joining other major U.S. businesses committed to cultivating a workplace that is inclusive and equitable for all.

Meeting Global Challenges With Local Solutions

Climate change has firmly entrenched itself at the forefront of international issues, and energy consumption is responsible for 90% of carbon emissions. As a steward for renewable energy, Sunrun knows our work doesn't end with panels on the roof. To that end, we have increased our commitment to full home electrification and powering electric vehicles. This shows itself through home services and products, such as the groundbreaking partnership with Ford and the all new electric F-150 Lightning™.

Beyond this, the increasing number of extreme weather events and the ongoing COVID-19 pandemic have proven that our current system must change. The energy sector drives the global economy, affects lives, and impacts our planet.

These points have been driven home as customers were forced to shelter-in-place, not only during a global pandemic, but through unprecedented wildfires, catastrophic weather events, and utility-planned power shutoffs. Now, more than ever, people strongly desire to control their own energy in a clean, reliable, and resilient way. This will be even more important as consumers shift toward electrifying their homes and vehicles, increasing the value proposition for home solar energy paired with battery storage.

In 2021, Sunrun swiftly responded to this customer-led revolution by changing the way we sell and deliver our products to customers. We developed tools and strategies to make the process of going solar more digital and contact-free. Despite the pandemic's economic fallout, we still saw record-breaking sales figures at certain moments and a general increase in interest from around the country. As we scale, we are continuing to embrace the innovative spirit that brought us to this point and advancing policy that supports clean energy for all Americans.

Valuing Home Batteries Through Energy Services

Backup power is a primary driver for most customers who choose to add battery storage to their home solar energy system. When not providing backup power, home batteries can also unlock additional value streams for our customers and completely transform our energy system into a more efficient, sustainable, and affordable model.

Networking home solar and batteries together into virtual power plants (VPPs) will play a critical role in creating a 100% clean energy future. They maximize the value of individual batteries without sacrificing benefit to the customer, while also creating a more efficient, resilient, and affordable grid for all energy consumers.

With VPPs, during periods of high electric demand, utilities can allow consumers with renewable energy resources to generate and share excess clean electricity with their neighbors and the grid, to avoid turning on additional costly and carbon-polluting power plants to meet demand.

- **Cost Savings:** in some markets across the country, the utility may compensate customers for the right to discharge a residential battery or bidirectional electric vehicle (EV) during high-demand events. This compensation may come in the form of upfront rebates or even yearly payments to lower utility bills.

  Building new infrastructure, such as transmission lines and centralized power plants is expensive. A recent report found that local solar and batteries could save Americans $473 billion over the next several decades.

- **Emissions Reductions:** VPPs can provide an emissions-free alternative to the coal or gas plants traditionally used during periods of high demand on the grid. Locally-sited solar and battery resources are critical to reaching 100% renewable energy on the grid.

- **Resiliency:** Residential solar and batteries can also provide energy resilience to help keep the lights on during extreme weather events and natural disasters. Sunrun home battery systems have provided thousands of hours of backup energy for customers across the country.

- **Democratized Power:** VPPs help us remake our dated, economically inefficient energy system into a more affordable, clean, and reliable system that puts people at the center of energy production and consumption.

Sunrun is committed to building distributed energy systems across the country. We currently have 13 virtual power plants either in operation or under contract across the country, requiring thousands of solar and battery-powered homes to participate. These virtual power plants will help us shutdown polluting, expensive fossil fuel plants.

Innovation and Differentiation

We have the technologies to move to a decentralized energy architecture today. Home solar and batteries can operate economically at a small scale and can be located where energy is consumed—at the home—instead of relying on expensive, centralized infrastructure whose design specifications inherently do not meet today's energy reality. Sunrun is effectuating this transition through continued business model innovation and a superior customer experience.

Electrifying the Home
In 2021, Sunrun expanded its pilot program with SPAN, the leading intelligent home electrical panel developer, to accelerate the transition away from fossil fuels and remove integration barriers for customers to electrify their homes. Many U.S. households are built with obsolete combination electrical panels, which often present significant challenges for consumers interested in installing rooftop solar, home batteries, and electric vehicle chargers. Sunrun is including SPAN home electrical panels as part of its home solar and battery offerings in select markets to drastically reduce installation hurdles when adopting on-site generation and other all-electric appliances. This enables our customers to improve the energy resiliency of their home with solar energy and benefit the grid.

Electrifying Transportation
Sunrun has partnered with Ford Motor Company, America's automotive icon, on the new all-electric F-150 Lightning by enabling customers to use their truck as a backup energy source to power their homes when needed most, during a power outage. Sunrun will serve as the preferred installer of Ford Intelligent Backup Power, which consists of the 80-amp Ford Charge Station Pro and Home Integration System—designed and developed together with Ford. America's energy future starts at home, and partnering with Ford illustrates a momentous shift in the way we power our lives. We're offering more paths to greater energy independence by powering homes and vehicles with the sun, while helping rapidly accelerate the transition to a clean, resilient energy future for all. As demand for electric vehicles continues to grow, Sunrun will offer innovative solutions to help owners power their vehicles with clean energy and offset their increasing home energy consumption.

Reducing Soft Costs
In 2021, U.S. Energy Secretary Jennifer Granholm launched Solar Automated Permit Processing (SolarAPP+), the National Renewable Energy Laboratory's (NREL) no-cost, no-touch software system that streamlines rooftop solar permits. In addition to Secretary Granholm, Sunrun's Lynn Jurich participated in the virtual kickoff event. This free, online permitting platform has enabled automated compliance reviews and instant permit approval. Faster permits lead to faster installs, improving the overall customer experience.

On the industry side, SolarAPP+ eliminates a resource-intensive and time-consuming review process by instantly calculating whether a proposed residential solar system is compliant with safety and code standards. Since external soft costs and delays can result in adding approximately $7,000 per project for customers, deploying SolarAPP+ shows great promise and is steadily gaining traction. Sunrun supports the continued growth of SolarAPP+.

The National Renewable Energy Laboratory (NREL) recently published the results of a comprehensive control trial pilot of SolarAPP+, which demonstrated quantifiable reductions to both soft costs and permitting delays. NREL found that SolarAPP+ reduced the nationwide average permitting review time by an average of 12 days. The pilot collectively saved an estimated 236 hours on permit revisions with comparable inspection passage rates. Sunrun is encouraged by these pilot results and the fact that many local governments in our largest markets are interested in adopting SolarAPP+. SolarAPP+ is fully active in nine counties and cities across the United States, and two more are currently piloting the tool. In January 2022, the California State Senate voted 31-1 to enact legislation (SB 379) that will require all counties with more than 150,000 residents, and all cities within those counties, to offer automated online permits for rooftop solar and batteries (such as via SolarAPP+) by September 30, 2023. The California State Assembly is now considering the legislation.

Policy Overview

In 2021, Sunrun continued its work to increase access to solar and battery technology to as many people as possible. This has been fundamental to Sunrun since creating the original solar-as-a-service business model. As Rewiring America's founder Saul Griffith has said, leases can serve as a financial time machine, and help people gain access to solar and batteries that wouldn't otherwise be able to.

In conversations with utilities, Sunrun continued to put customers at the center of our business. We have collaborated with utilities to make a customer centered future of the electricity system a reality.

Key Partners in Expanding Access to Solar

Sunrun has long partnered with key allies to help expand solar energy in underrepresented communities across the country. Everyone has a right to clean energy, regardless of race, background, or ethnicity, and Sunrun is committed to enabling more access to clean energy in the communities that need it the most and ensuring a diverse, welcoming workforce.

GRID Alternatives
For more than a decade, Sunrun has partnered with GRID Alternatives, the nation's largest nonprofit installer of clean energy technologies, serving economic and environmental justice communities. To date, through the partnership, Sunrun and GRID have installed 19.8 megawatts of solar energy to 4,888 income-qualified homeowners and generated $123 million in lifetime savings for these families. Combined, these solar projects have helped avoid 313,000 tons of greenhouse gas emissions from entering the atmosphere, and support communities that are affected the most by climate disasters, pollution, and related health disparities.

Honnold Foundation
Sunrun continued its partnership with the Honnold Foundation, a nonprofit founded in 2012 by prominent rock climber, Alex Honnold, to launch a new grant fund in 2021. The fund, called the Innovation Fund, will identify and fund grassroots organizations using solar energy to address social and economic disparities in frontline communities around the world. Grantee Partners will be scalable and precedent setting, and show how solar can be an elegant, multifaceted solution to address global energy inequity. From the Indian Himalayas to the Ecuadorian Amazon, Memphis to the Navajo Nation, Partners' solutions may power education, access to clean water, river transportation in the Amazon, and more. Below are a few projects Sunrun has supported:

- Memphis Rox - Memphis, TN
- Bridging Communities - Detroit, MI
- Congress of Communities - Detroit, MI
- South Union Community Development - Houston, TX
- Virginia Environmental Justice Collaborative - Petersburg, VA

Rising Sun Center for Opportunity
Sunrun partnered with the Rising Sun Center for Opportunity, an Oakland-based non-profit building career pathways for economic equity and climate resilience. From Oakland to Stockton and the Central Valley, the organization serves as a green training, employment, and residential energy efficiency organization grounded in equity. Sunrun is also exploring opportunities to hire from Rising Sun's Opportunity Build program, which provides free construction job training and placement to adults facing barriers to employment.

NAACP Solar Equity Initiative
Sunrun is proud to continue our partnership with the NAACP Solar Equity Initiative. Sunrun has been a founding partner member of the Initiative since its inception in 2018, with the goal to increase solar installations in communities of color and to connect these communities to skills training for solar jobs, all supported by strengthened solar equity policies. The Initiative is centered on the civil, economic and environmental justice rights connecting communities of color and low-income communities across the nation.

In July 2021, the NAACP Solar Equity Initiative launched its Equitable Solar Policy Principles to assist and support advocates and policymakers at the local, state, and federal level to craft policy solutions that are holistic in nature, and ensure benefits flow to Black, Indigenous, and People of Color (BIPOC), and other frontline communities.

Sunrun was happy to join advocacy organizations in endorsing these principles: "Sunrun is committed to increasing access to reliable, affordable and clean energy across the United States," said Lynn Jurich, Sunrun's co-founder and co-executive chair said in a statement on Principles' release. "We believe that building an electrified network of solar and home batteries will continue to foster community resilience and create family-supporting job growth, especially in traditionally marginalized communities."

Advancements in Policy

In 2021, Sunrun worked with clean energy advocacy groups, policymakers, and individual advocates to create and protect policies that expand access to clean energy technologies like home solar and battery storage. The unprecedented demand for these technologies underscores the need to reimagine our energy system and deliver more local, reliable, and clean energy for all.

Sunrun achieved groundbreaking state and local energy policy progress critical to laying the foundation for a better energy system and putting people at the center of the solution. We have the technology today to fight climate change and create hundreds of thousands of jobs in a new clean energy economy. Our teams are working tirelessly to pursue an aggressive electrification agenda and help more people gain access to rooftop solar, battery storage, and other electrification technologies.

Local Solutions

Energy policy is largely decided at the state and local level. Many local, state, and regional governments have different needs, and create solutions specific for their communities. Sunrun successfully advocated for and defended critical solar and battery policy with dozens of state utility commissions and legislatures throughout 2021. Sunrun worked with key local and national stakeholders to ensure fair compensation for home solar and battery storage, cut red tape to increase access to this critical technology, expand regional utility partnerships, and generally improve customer satisfaction.

- **Arizona**: The Arizona Corporation Commission eliminated a grid access fee on home solar, citing lack of cost justification. The rejection of this discriminatory fee will protect customers who are investing in clean power and resiliency, and save families hundreds of dollars.
- **Connecticut**: Connecticut's utility commission, PURA, approved a retail net metering successor program that supports home solar and will provide stability for solar workers and the local economy. We supported new legislation to expand access to storage and the accompanying Energy Storage Solutions Program.
- **Hawaii**: Sunrun supported DER stakeholders to design and advocate for an emergency program to address a 50 megawatt generation shortfall on Oahu, partially caused by a retiring coal power plant. The Hawaii Commission approved a program that will compensate rooftop solar and battery customers to participate in scheduled dispatch of power to help serve the utility's power needs. This program helps keep the lights on for all Hawaii customers while modernizing the state's existing solar fleet and moving forward the transition to Hawaii's clean energy future.
- **Illinois**: Sunrun is honored to have worked with industry stakeholders, policymakers and community and environmental justice advocates to help pass the historic Illinois Climate and Equitable Jobs Act, which will increase solar and storage access for Illinois families while continuing to build a strong and diverse solar industry for years to come.
- **Puerto Rico**: After years of partnering with community advocates and stakeholders, we are excited to see Puerto Rico's utility issue a call for Virtual Power Plant proposals that will utilize rooftop solar and batteries to aid in rebuilding the island's energy grid that was destroyed by Hurricane Maria. Sunrun is proud to provide technical expertise to the Puerto Rican government as they work to develop a customer centered electricity grid of the future.
- **Texas**: We worked with policymakers to increase accessibility to customer-sited generation, by successfully passing property tax clarifications on third-party financed systems, and bypassing legislation that prohibits municipalities from restricting solar through punitive zoning rules.

Federal Progress

Sunrun worked with industry partners and national environmental organizations to advance legislation in Congress that will make solar and batteries even more accessible to Americans at a time when they are needed most.

In 2021, to accelerate the growth of solar and battery deployment, the House of Representatives passed legislation to extend the solar investment tax credit (ITC) at 30% for ten years, through 2032. This tax credit extension would make solar and storage more affordable for Americans and would help achieve U.S. climate goals. According to the Solar Energy Industries Association (SEIA), a 10-year ITC extension at 30% would add an additional 228 gigawatts of solar to the grid by 2032, or 66% more solar than would be built without an ITC extension.

In addition to the ITC extension, Sunrun supported the development of several other proposals in the House-passed legislation, including:

- Solar and battery incentives that would specifically benefit residents of affordable multifamily housing and low-income communities across America. This proposal would provide an additional 10% tax credit to support solar and batteries in these communities, expanding access and resilience to extreme weather events;
- Consumer rebates for Americans to decarbonize their homes with electric appliances and other upgrades, including larger electric panels to support electrification; and
- An extension of the 30C tax credit to incentivize the installation of home electric vehicle chargers, to support transportation electrification.
- **FERC Order 2222:** Sunrun worked with stakeholders in the industry, at the federal level, and in the wholesale markets to develop new market structures and rules to enable distributed energy resources to compete in wholesale markets and provide value to all ratepayers. Although there is more work to be done at FERC, we are making progress to unlock widespread virtual power plant opportunities in the wholesale markets.
- **SolarAPP+:** We supported the U.S. Department of Energy as it launched SolarAPP+ and we are working with industry and stakeholders across the United States to streamline solar and storage permitting. We helped secure funding in California and at the federal level to expand SolarAPP+ further in 2022. So far, 500 Sunrun projects have been completed using SolarAPP+, which has saved 5,000 days in permitting time.
- **Trade:** Sunrun worked closely with the larger solar industry to avoid the imposition of new tariffs on solar panels that would have increased consumer prices, reduced solar deployment and eliminated solar jobs in the United States. We will continue to support consumer-friendly trade policies into 2022.

Solar on Multifamily Affordable Housing

In 2018, Sunrun made a commitment to develop 100 megawatts of solar on affordable multifamily housing in California by 2030 via the state Solar on Multifamily Affordable Housing (SOMAH) program.

SOMAH is of vital importance to under-served communities, and Sunrun has been a strong supporter of the SOMAH since the program's inception. This program provides up to $100 million annually in financial incentives for installing solar on multifamily affordable housing in California. SOMAH relies on Virtual Net Metering (VNEM) to credit residents of multifamily affordable housing projects between $30 to $50 per month when their communities install solar panels on their properties. Fueled by SOMAH, 2021 was a breakout year for Sunrun's multifamily affordable housing business, as two major milestones were reached: over 500 contracts successfully executed for solar installations to benefit low-income renters, and over 100 systems completed and delivering clean energy and significant bill savings to 9,000 households. When all 500 projects are completed, bill savings are expected to exceed $13.5 million annually, in turn saving all California ratepayers over $4 million annually in reduced electricity bills.

Outages From Coast to Coast

At this pivotal moment in our nation's energy transition, we can turn the climate crisis into an opportunity to build a stronger, cleaner, and more resilient energy system. Generating and storing clean power lowers electricity costs and emissions, offers individual backup power during outages, and reduces the frequency of blackouts for the greater community.

During 2021, widespread power outages swept across the United States. On the west coast, California's worst-ever fire season burned more than four million acres, causing dozens to lose their lives and leaving millions more without power. This follows after a massive heat wave forced rolling blackouts for the first time in 20 years.

On the other extreme, a deep freeze hit Texas in February, resulting in millions of residents to lose power. As temperatures dropped to dangerously low levels, Texans were unable to heat their homes. Meanwhile, some energy providers in the state responded to the situation by significantly raising their prices. A few months later, during the sweltering Texas summer, utilities urged customers to limit energy usage due to strains on the electrical grid.

Hurricanes also caused major issues for parts of the country. Hurricane Ida was the second most damaging storm to make landfall in the United States. As a result, 1.2 million customers lost power across a total of eight states, hampering rescue efforts and putting many people's lives at risk.

According to the National Oceanic and Atmospheric Administration (NOAA) 2021 had the second-highest number of billion-dollar weather and climate disasters on record. Extreme weather is not abating, and our current electric grid is not meeting our needs. We now have the ability to respond to and prevent these tragedies while fighting against climate change.

The California Solar and Storage Association found that in October 2021, more than 62,000 homes and businesses had installed behind the meter batteries, for a total capacity of 721 megawatts across California. Combined, these distributed batteries make up the largest battery in the world. This group is made up of forward-thinking residents with solar-powered batteries that provide critical support by feeding power into the grid when it is most strained. By advancing local clean energy technology, people can keep their lights on and reduce the demand for electricity on our overall grid when it is most fragile.

Impact of Sunrun's Home Batteries

2021

EVENTS	38,652
DURATION	Over 234,000 hours → Equivalent to ~9,750 days

*Over 50% of battery customers have experienced an outage

All Time

EVENTS	80,977
DURATION	Over 516,000 hours → Equivalent to ~21,500 days

*Sunrun monitoring statistics date back to only Q1 2019

Governance

Sunrun's Governance

At Sunrun, operating our business with integrity, responsibility, and accountability is a priority. We believe having a culture of compliance with strong governance practices promotes long-term value, and we are committed to conducting business ethically. We work to continually enhance the structures, policies, and internal controls that support and promote accountability, transparency, and ethical behavior.

The foundation of operating responsibly is our relationship with our employees and business partners. We expect all of our employees and partners to act according to the highest standards of honesty and ethical conduct. Our commitment to good corporate governance is reflected in our Code of Business, Conduct and Ethics, Human Rights Policy, Vendor Code of Conduct, and other related governance policies, which are reviewed annually by our Nominating, Governance, and Sustainability Committee, and any changes deemed appropriate are submitted to the full Board for its consideration.

Sunrun creates value for customers and builds trustworthy relationships by dealing fairly with customers, suppliers, government agencies, competitors, and employees. We also promote accountability internally by holding regular staff meetings and sharing financial performance and company updates with employees.

Sunrun maintains a strong open-door policy, a confidential employee hotline administered by an independent company, and an employee-relations team in our human-resources function dedicated to thoroughly and fairly investigating all employee complaints.

Board of Directors

The Board of Directors makes recommendations and conducts unbiased evaluation and supervision of management activities. It maintains an independent majority at all times and comprises nine members, all but three of whom are independent. Gerald Risk serves as Lead Independent Director and is responsible for overseeing separate meetings of the independent directors. Our co-founders, Lynn Jurich and Edward Fenster, serve as Co-Executive Chairs. Of the nine members of our Board, five identify as female, including our CEO Mary Powell.

The Board has three committees. The Audit Committee assists the board in ensuring we uphold the highest standards of financial integrity through accounting transparency and conformance, as well as risk management and cybersecurity. The Compensation Committee seeks to align executive compensation with shareholders' interests and corporate goals. The Nominating, Governance, and Sustainability Committee oversees the evaluation of the Board, recommends new director candidates, develops and maintains corporate-governance policies, and oversees ESG initiatives and reporting. At least twice a year, the Nominating, Governance, and Sustainability Committee reviews disclosures on progress toward our ESG initiatives to external stakeholders.

56%
are women

22%
ethnically diverse

6.5
average tenure

56
average age

4
new directors in the last five years

ESG Governance

We embed best practices for ESG performance throughout our organization. In 2019, we formed the ESG Executive Committee, a formal committee of senior management tasked with driving ESG performance and reporting initiatives throughout the company, overseeing the implementation of our ESG initiatives and prioritizing internal resources committed to the advancement of our ESG objectives. Our ESG Executive Committee meets on a quarterly basis, and each meeting includes a review of our ESG scorecard for assessing progress made on our goals, as well as a deep dive into various ESG risks. We also share our ESG goals and priorities with the Company's extended leadership team and encourage leaders to incorporate ESG goals into their objectives and key results.

At the Board level, our Nominating, Governance, and Sustainability Committee is responsible for Board-level oversight of ESG matters, including the oversight of climate-related opportunities and risks; however, ESG risks are also reviewed by the Audit Committee in connection with the Company's enterprise risk management process. The full Board also reviews our ESG programs and disclosures annually.

Human Rights Policy

Our board of directors adopted a Human Rights Policy to codify our commitment to human rights, including the following key impact areas: (i) protecting the environment, (ii) maintaining high labor standards, and (iii) operating ethically and with integrity. We believe that climate change is a fundamental human rights issue, as the devastating impacts of climate change not only impact our planet, but also our lives, wellbeing, housing, and food and water security. While human rights are the responsibility of all of us at Sunrun, executive oversight and responsibility for the implementation of this policy rest with our ESG Executive Committee and with the Nominating, Governance, and Sustainability Committee at the board level.

Vendor Integrity and Ethics

We require our vendors to act with integrity and adhere to our Vendor Code of Conduct. This Vendor Code of Conduct, along with Sunrun's Code of Business Conduct and Ethics, prohibits undisclosed conflicts of interest, money laundering, whistleblower retribution, human trafficking, and involuntary labor.

Whistleblower Protection

Sunrun is committed to maintaining high standards of financial integrity and takes very seriously all complaints and concerns regarding accounting, internal accounting controls, auditing, and other legal matters, including violations of Sunrun's Code of Business Conduct and Ethics. Sunrun maintains an Open Door Policy and welcomes feedback and assistance in maintaining our commitment to these policies. Sunrun prohibits retribution or retaliation in any way against any person who has in good faith made a complaint or reported a concern against any person who assists in any investigation. Sunrun also requires that vendors strive to allow their workforces to raise similar concerns without fear of retaliation.

2022 Compensation Governance & Philosophy

For 2022, the key elements of our executive compensation program will include the existing components of base salary, annual cash bonus incentive awards, time-based equity awards, and health, welfare, and retirement programs, as well as performance-based equity awards. We believe that providing a portfolio of performance-based equity awards, time-based equity awards, and cash compensation supports the objectives of our long-term incentive compensation program by further aligning the interests of our executive officers and stockholders, balancing performance and retention considerations, and enabling us to use our equity compensation resources more efficiently.

We also maintain a "clawback policy" that would allow us to recover certain cash or equity-based incentive compensation payments or awards made or granted to certain senior leaders and executive officers in the event of misconduct that results in the need for us to prepare a material financial restatement or material restatement of certain operational results.

In 2021, we also adopted stock ownership guidelines for our directors and executive officers, which establish the level of stock ownership that is expected for them to retain. We adopted these policies based on our belief that stock ownership further aligns the interests of our directors and executives with those of our stockholders.

For more information on corporate governance matters, including shareholder rights, Sunrun's approach to management compensation, and board structure, please see Sunrun's annual proxy statement, which is filed with the SEC and available on the company's Investor Relations website at investors.sunrun.com.

SUSTAINABLE DEVELOPMENT GOALS

We recently became a signatory to the United Nations' Global Compact and The Climate Pledge, and we are proud that our business aligns with The United Nations' Sustainable Development Goals (UN SDGs)[8]. This set of 17 goals is designed to eradicate poverty, eliminate inequalities, and spur the creation of a sustainable and resilient global society. Sunrun is pleased to support the goals through the contributions described below.

Through this report, Sunrun CEO, Mary Powell, reaffirms her support of Sunrun's ongoing commitment to the goals of the United Nations Global Compact. In addition, the report constitutes Sunrun's "Communication on Progress" (COP1) under the UN Global Compact.

1 NO POVERTY	Sunrun has pledged to install at least 100 megawatts of solar on affordable housing in California—where 80% of tenants fall below 60% of the area median income—before 2030. Through our completed and contracted multifamily work, we anticipate $13.5 million in annual solar savings directly to over 115,000 tenants in affordable housing units. We have also supported more than 5,700 hours of job training for residents of these communities.
2 ZERO HUNGER	Sunrun is committed to ensuring a sustainable world that supports health, safety, and equality for all. We are creating good-paying jobs, promoting employee wellness programs, and helping customers save hundreds of millions of dollars in energy costs.
3 GOOD HEALTH AND WELL-BEING	Sunrun has generated 20 billion kilowatt-hours of clean energy since 2007 and has helped avoid 11.2 million tons of CO2e from entering the atmosphere[9]. This number will continue to grow over the next decade. The energy from home solar and batteries displaces fossil fuel power plants, creating better, healthier air for all.
4 QUALITY EDUCATION	Sunrun promotes and supports solar job training programs in disadvantaged communities throughout the country. We have supported tens of thousands of hours of job training over the past decade, working with partners like GRID Alternatives, Blacks in Green, Chicago Urban League, Rising Sun, National Latino Education Institute, NAACP Solar Equity Initiative, and several others.
5 GENDER EQUALITY	In 2018, Sunrun became the first national solar company to achieve 100% gender pay parity. We also committed to the White House Equal Pay Pledge in 2016 and the California Equal Pay Pledge and offer equal parental leave for men and women. As of December 31, 2021, individuals who identify as women comprised 56% of Sunrun's Board of Directors and 50% of our executive management team.
6 CLEAN WATER AND SANITATION	We are integrating product end-of-life considerations into our environmental management system (EMS) and are preparing to decommission, redeploy, resell, or recycle our energy systems. Responsible end-of-life management of product life cycles is a key factor in maintaining our clean water reserves.
7 AFFORDABLE AND CLEAN ENERGY	This Goal is the underlying mission of our business. We offer clean and reliable solar power at an affordable price. Our solar service financing model has made home solar accessible to many, and we are leading the way with our work installing solar on low-and-moderate income multifamily households across the country.
8 DECENT WORK AND ECONOMIC GROWTH	Financial sustainability and ethical business practices are core to the company's philosophy. We ended 2021 with more than 660,000 customers, a 31% year-over-year improvement, pro-forma to include Vivint Solar. We are one of the largest solar asset owners in the world.

SUSTAINABLE DEVELOPMENT GOALS

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

Sunrun is constantly innovating to build the energy system of the future. We are creating a vast network of connected homes with battery storage systems to create what's known as "virtual power plants." Sunrun has 13 virtual power plants in operation or under contract with many more planned for the future. These will help displace fossil fuel plants one by one.

10 REDUCED INEQUALITIES

We seek to attract, develop, advance, and retain the best diverse talent and focus on hiring underrepresented groups across all functions and managerial levels. Sunrun signed both the CEO Action for Diversity & Inclusion and the Catalyst CEO Champions for Change pledges. These commitments will help Sunrun and other member companies achieve our goals to become a model for gender equality, diversity, and inclusion.

11 SUSTAINABLE CITIES AND COMMUNITIES

Sunrun's local solar and battery storage systems are working every day to reduce the amount of local air pollution in our communities by generating clean, renewable energy from the sun. Our networked energy systems are also helping retire fossil fuel plants, many of which are disproportionately impacting vulnerable and low-income communities.

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

Sunrun engages in the most responsible end-of-life equipment programs in the industry, and we expect all of our vendors to adhere to the policies set forth in Sunrun's Vendor Code of Conduct. We are integrating product end-of-life considerations into our EMS and plans to decommission, redeploy, resell, or recycle our energy systems.

13 CLIMATE ACTION

Creating a clean, reliable, and renewable distributed grid system is a direct adaptation to climate change. We are working every day to expand clean energy across the globe. Our solar energy systems have helped avoid 11.2 million metric tons of CO2e from entering the atmosphere since 2007 [10].

14 LIFE BELOW WATER

Ocean acidification is caused by the ocean absorbing large amounts of carbon dioxide. Sunrun is committed to ensuring a more sustainable world. Our solar energy systems have helped avoid 11.2 million metric tons of CO2e from entering the atmosphere since 2007, helping to preserve our precious water-based environments [11].

15 LIFE ON LAND

Human-caused climate change is having a devastating impact on our lands, including an increase in droughts, fires, floods, and other extreme weather events. Our solar energy systems have helped avoid 11.2 million metric tons of CO2e from entering the atmosphere since 2007, helping to preserve our precious land-based environments. We are putting solar on built environments like single-family and multi-family homes, which preserves our ever-decreasing open spaces across the country.

16 PEACE, JUSTICE AND STRONG INSTITUTIONS

Sunrun strives to create an open and inclusive culture where everyone's unique backgrounds, thoughts, experiences, and abilities are welcomed, valued, respected, and celebrated. In 2021, we expanded our six Employee Resource Groups (ERGs) to create and sustain a workplace where everyone belongs.

17 PARTNERSHIPS FOR THE GOALS

Sunrun works hand in hand with nonprofits, utilities, advocacy groups, policymakers, and other clean energy industry stakeholders to ensure we are working toward building a just transition to create a planet run by the sun.

Task Force on Climate-related Financial Disclosures 2021 Report

The Task Force on Climate-related Financial Disclosures (TCFD) was established by the Financial Stability Board with the goal of developing voluntary, consistent climate-related financial disclosures that would be useful to all relevant stakeholders. The recommendations of the TCFD are focused on four thematic areas representing core operational pillars, including: (1) governance; (2) strategy; (3) risk management; and (4) metrics and targets.

Sunrun believes the TCFD recommendations provide a useful framework to increase transparency on climate-related risks and opportunities within financial markets.

I. Governance

Disclose the organization's governance around climate-related risks and opportunities.

A. *Describe the board's oversight of climate-related risks and opportunities.*

As the second largest owner of solar assets in the United States and a top five owner of solar assets globally, Sunrun's business model is inherently linked to addressing climate change. We embed best practices for ESG performance throughout our organization. In 2019, we tasked a formal committee of senior management to oversee ESG performance and reporting at the company. We also established board level oversight of ESG matters, including the oversight of climate-related opportunities and risks, by our Nominating, Governance, and Sustainability Committee. At least twice a year, the Nominating, Governance, and Sustainability Committee reviews disclosures on progress toward our climate-related initiatives to external stakeholders. ESG risks are also reviewed by our Board's Audit Committee in connection with the Company's enterprise risk management process. The full Board reviews our ESG programs and disclosures at least annually.

B. ***Describe management's role in assessing and managing climate-related risks and opportunities.***

We embed best practices for ESG performance throughout our organization. In 2019, we formed the ESG Executive Committee, a formal committee of senior management tasked with driving ESG performance and reporting initiatives throughout the company, overseeing the implementation of our ESG initiatives, and prioritizing internal resources committed to the advancement of our ESG objectives. Our ESG Executive Committee meets on at least a quarterly basis, and each meeting includes a review of our ESG scorecard for assessing progress made on our goals, as well as a deep dive into various ESG risks. We also share our ESG goals and priorities with the company's extended leadership team and encourage leaders to incorporate ESG goals into their objectives and key results (OKRs). Our executive compensation plans are inherently tied to reducing carbon emissions as the amount of solar energy capacity we install is a significant component of our compensation plans.

Board & Committee ESG Governance

Board of Directors

Nominating Governance And Sustainability Committee
primary ESG oversight

Audit committee
reviews ESG risks

Management ESG Governance

ESG Executive Committee

CEO | Legal | People | Revenue | Policy | Marketing | Investor Relations | Supply Chain & Procurement | Internal Audit

II. Strategy

Disclose the actual and potential impacts of climate-related risks and opportunities on the organization's business, strategy, and financial planning where such information is material.

A. *Describe the climate-related risks and opportunities the organization has identified over the short, medium, and long term.*

Climate change poses a systemic threat to the global economy and will continue to do so until our society transitions to renewable energy and decarbonizes. While our core business model seeks to accelerate this transition to renewable energy, there are inherent climate-related risks to our business operations. Warming temperatures throughout the United States, and in California, our biggest market, in particular, have contributed to extreme weather, intense drought, and increased wildfire risks. These events have the potential to disrupt our business, our third-party suppliers, and our customers, and may cause us to incur additional operational costs. For instance, natural disasters and extreme weather events associated with climate change can impact our operations by delaying the installation of our systems, leading to increased expenses and decreased revenue and cash flows in the period. They can also cause a decrease in the output from our systems due to smoke or haze. Additionally, if weather patterns significantly shift due to climate change, it may be harder to predict the average annual amount of sunlight striking each location where our solar energy systems are installed. This could make our solar service offerings less economical overall or make individual systems less economical.

We aim to reduce the causes of greenhouse gas emissions by transitioning more energy production to clean solar energy and to provide a solution to consumers who would potentially face adverse effects from severe weather caused by climate change. As the nation's leading home solar, battery storage and energy services company, we believe we are well positioned to accelerate the transition to a lower carbon economy and generate attractive risk-adjusted returns in the current environment as well as over the mid- and long-term time horizons. We have deployed 4,677 megawatts of solar since 2007, but residential solar is still only 4% penetrated in the United States today and the runway for growth remains massive.

Residential electricity comprises 21% of power usage in the United States, and electrification of our homes is critical to achieving 100% clean, renewable energy in our energy system. When we blanket all solar available rooftops with panels, we believe residential solar can service almost half of America's total electricity needs with clean energy.

In the future, we expect homes to generate solar power on rooftops, store and manage energy in batteries, heat with electricity rather than fossil fuels, and charge electric vehicles from renewables. We expect people to face a continued increase in power outages from extreme weather caused by climate change. As families experience days without power, year after year, they will seek a clean, reliable and long-term solution. Our battery storage can power through even multi-day outages, offering resiliency and peace of mind. When we network home solar and battery storage to deliver virtual power plants, we further accelerate the transition away from polluting fossil fuels, providing clean, cost effective peaking capacity. Ultimately, Sunrun seeks to be the energy provider of choice, integrating solar, storage, electrification, and virtual power plants into a smart solution for each home and community.

B. *Describe the impact of climate-related risks and opportunities on the organization's businesses, strategy and financial planning.*

We view addressing climate change as a global imperative. Sunrun was founded and our business strategy has been formed to address climate change head on. We believe that more businesses, consumers and government bodies will seek to address climate change and that Sunrun will be able to benefit from these actions. This increase in consumer awareness of climate change ,coupled with the declining costs of solar modules and batteries in the face of rising utility rates, creates structural advantages for the company to capitalize on climate related opportunities.

In the future, we expect homes to generate solar power on rooftops, store and manage energy in batteries, heat with electricity rather than fossil fuels, and charge electric vehicles from renewables. Ultimately, this drives Sunrun to be the energy provider of choice, integrating solar, storage, electrification, and virtual power plants into a smart solution for each home and community.

Natural disasters and extreme weather events associated with climate change present risks to our business as well. They can severely impact our operations by delaying the installation of our systems, leading to increased expenses and decreased revenue and cash flows in the period. They can also cause a decrease in the output from our systems due to smoke or haze. Additionally, components of our systems, such as panels and inverters, could be damaged.

If weather patterns significantly shift due to climate change, it may be harder to predict the average annual amount of sunlight striking each location where our solar energy systems are installed. This could make our solar service offerings less economical overall or make individual systems less economical.

Increasing regulation of fuel emissions can substantially increase the cost of energy, including fuel, required to operate our facilities or transport and distribute our products, thereby substantially increasing the distribution and supply chain costs associated with our products. Although we would expect these types of regulations would also increase the cost of energy to end consumers, which increases our value proposition, potentially mitigating or more than offsetting any increased costs in our operations.

We prepared our first emissions inventory in 2017 and set our first emissions target in 2020. We continually seek to minimize the impacts of our business operations on climate change including the continued retiring of gasoline vehicles in favor of hybrid and electric vehicles, facility recycling and vendor sustainability.

C. ***Describe the resilience of the organization's strategy, taking into consideration different climate-related scenarios, including a 2oC or lower scenario.***

TCFD Transitional Scenario 1 **Sufficient globally coordinated action is taken to limit the global temperature increase to 1.5 degrees Celsius above pre-industrial levels.**	
Assumption Increased demand for solar energy, battery storage, and other home electrification solutions.	**Impacts and Strategy** Increased demand for our offerings, which we would expect to have positive economic impacts; however, this could also result in additional market competition, pricing pressures, supply chain challenges, and lack of available resources and workforce.
Enactment of robust decarbonization policy, such as a price on carbon, results in increased (i) incumbent utility power prices, and (ii) operating and product costs for certain carbon-intensive industries.	The adoption of robust decarbonization policies may result in increased demand for our offerings with improved economics for low-carbon products and services; however, this could also result in additional market competition, pricing pressures, supply chain challenges, and lack of available resources and workforce.
TCFD Transitional Scenario 2 **Global action is insufficient to prevent global temperatures from increasing more than 2 degrees Celsius above pre-industrial levels.**	
Assumption Lack of laws, regulation, policy or other market conditions significant enough to shift the trajectory of climate change.	**Impacts and Strategy** If current trends continue, even without a robust decarbonization policy, our offerings may be increasingly competitive in comparison to incumbent utility prices. Certain current policies, such as the net metering policies and the federal investment tax credit, have provided economic benefits to the solar industry and our business; however, if such policies expired or were repealed, our offerings and pricing may become less attractive and future growth may be limited.
Increased demand for solar energy, battery storage, and other home electrification solutions.	Increased demand for our offerings, which we would expect to have positive economic impacts; however, this could also result in additional market competition, pricing pressures, supply chain challenges, and lack of available resources and workforce.

TCFD Physical - Scenario 1 & 2:	
Assumption	**Impacts and Strategy**
Increased frequency and severity of extreme weather events, including severe wildfires, intense drought, heavy rainfalls and increased storm surge due to rising sea levels, and other extreme weather-related events.	Extreme weather resulting from climate change may disrupt our business, our third-party suppliers, and our customers, and cause us to incur additional operational costs. For instance, natural disasters and extreme weather events associated with climate change can impact our operations by delaying the installation of our systems, leading to increased expenses and decreased revenue and cash flows in the period.
Diminished operational performance of our solar energy systems due to a global temperature increase and impacts of extreme weather events, such as wildfire smoke.	The performance and power generation of our solar energy systems may decrease based upon an increase in ambient temperatures resulting from warming, as well as from smoke, haze, or residual soiling resulting from extreme weather and wildfire.
Increased temperatures and more frequent heat waves could result in fewer applicants for certain employee roles requiring extended outdoor exposure, such as rooftop installation and direct-to-home sales teams.	A warming climate producing more frequent and more acute heat waves could result in less interest from employees for roles that require prolonged outdoor exposure. Inability to adequately staff such roles, would limit productivity and negatively impact our operational results.
A significant shift of weather patterns due to climate change.	Changing weather patterns could result in a diminished ability to accurately predict the average annual amount of sunlight striking each location where our solar energy systems are installed, which could make our solar service offerings less economical overall or make individual systems less economical.
Increased insurance premiums related to property and systems in particularly vulnerable regions.	Insurance premiums may increase in connection with the impacts of global warming, the increase of extreme other events, and the other factors described herein.

III. Risk Management

Identify how the organization identifies, assesses, and manages climate-related risks.

A. *Describe the organization's processes for identifying and assessing climate-related risks.*

Our business model is influenced by climate change through our core mission, to create a planet run by the sun. This mission drives every decision in the business, from the day-to-day senior management decisions to crafting the long term vision and strategy. Among the management processes for identifying and assessing climate-related risks and opportunities we have adopted are the: (a) integration of a carbon intensity reduction target, among other climate-related goals, targets, and initiatives, into our sustainability strategy; (b) review and management of climate-related strategy and actions in the context of our short- and long-term business strategy; (c) establishment of internal audit procedures to flag risks to the company, including those related to climate change, and provide structured internal controls that promote compliance in our processes and accuracy in our reporting; (d) formation of an ESG Executive Committee to oversee ESG performance and reporting at the Company and Board level oversight of ESG matters on a regular basis by our Board, Nominating, Governance, and Sustainability Committee, and Audit Committee; and (e) inclusion of climate-change related risks in our Annual Report on Form 10-K.

B. *Describe the organization's processes for managing climate-related risks.*

The individuals and processes involved with identifying and assessing climate-related risks are also involved in the management of climate-related risks. In addition, our solar energy systems are subject to environmental forces, including climate-related risks and extreme weather events, such as floods, wildfires, and hurricanes. We seek to mitigate this risk by purchasing property insurance with industry standard coverage and limits approved by an investor's third-party insurance advisors.

We continue to integrate responsible sourcing, environmental protection, and sustainability, including the management of climate-related risks and impacts, into various aspects of our supply chain functions and launched a Vendor Code of Conduct in 2019. We expect all of our vendors to adhere to the policies set forth in our Vendor Code of Conduct.

We also rely on third-party manufacturing warranties and warranties provided by our solar partners. We have focused on improving the resiliency of our business operations by implementing cloud-based information technology systems to allow our employees to work from remote locations in the event of weather or other workplace disruptions.

C. ***Describe how processes for identifying, assessing and managing climate-related risks are integrated into the organization's overall risk management.***

Our leadership team is encouraged, and the governance of our Company is structured, to incorporate ESG matters, including climate-related risks, in its risk management processes. Our Board, and our Board's Audit Committee and Nominating, Governance, and Sustainability Committee, regularly identify, assess, and manage risk within the company, including those related to climate change. We tasked our ESG Executive Committee with driving ESG performance and reporting initiatives throughout the company, overseeing the implementation of our ESG initiatives, and prioritizing internal resources committed to the advancement of our ESG objectives. In addition, we established internal audit procedures to develop formalized internal controls that promote compliance in our processes and ensure accuracy in our reporting.

IV. Metrics and Targets

Disclose the metrics and targets used to assess and manage relevant climate-related risks and opportunities where such information is material.

A. ***Describe the metrics used by the organization to assess climate-related risks and opportunities in line with its strategy and risk management process.***

See our goals as provided on page 9 and the section titled Reducing GHG Emissions in this Impact Report.

B. ***Disclose Scope 1, Scope 2 and if appropriate, Scope 3 greenhouse gas (GHG) emissions, and the related risks.***

See the section titled Reducing GHG Emissions in this Impact Report.

C. ***Describe the targets used by the organization to manage climate-related risks and opportunities and performance against targets.***

See our goals as provided on page 9 and the section titled Reducing GHG Emissions in this Impact Report.

Appendix

Glossary

Deployments represent solar energy systems, whether sold directly to customers or subject to executed Customer Agreements (i) for which we have confirmation that the systems are installed on the roof, subject to final inspection, (ii) in the case of certain system installations by our partners, for which we have accrued at least 80% of the expected project cost (inclusive of acquisitions of installed systems), or (iii) for multi-family and any other systems that have reached our internal milestone signaling construction can commence following design completion, measured on the percentage of the system that has been completed based on expected system cost.

Customer Agreements refer to, collectively, solar power purchase agreements and solar leases.

Subscriber Additions represent the number of Deployments in the period that are subject to executed Customer Agreements.

Customer Additions represent the number of Deployments in the period.

Solar Energy Capacity Installed represents the aggregate megawatt production capacity of our solar energy systems that were recognized as Deployments in the period.

Solar Energy Capacity Installed for Subscribers represents the aggregate megawatt production capacity of our solar energy systems that were recognized as Deployments in the period that are subject to executed Customer Agreements.

Creation Cost represents the sum of certain operating expenses and capital expenditures incurred divided by applicable Customer Additions and Subscriber Additions in the period. Creation Cost is comprised of (i) installation costs, which includes the increase in gross solar energy system assets and the cost of customer agreement revenue, excluding depreciation expense of fixed solar assets, and operating and maintenance expenses associated with existing Subscribers, plus (ii) sales and marketing costs, including increases to the gross capitalized costs to obtain contracts, net of the amortization expense of the costs to obtain contracts, plus (iii) general and administrative costs, and less (iv) the gross profit derived from selling systems to customers under sale agreements and Sunrun's product distribution and lead generation businesses. Creation Cost excludes stock based compensation, amortization of intangibles, and research and development expenses, along with other items the company deems to be non-recurring or extraordinary in nature.

Subscriber Value represents the per subscriber value of upfront and future cash flows (discounted at 5%) from Subscriber Additions in the period, including expected payments from customers as set forth in Customer Agreements, net proceeds from tax equity finance partners, payments from utility incentive and state rebate programs, contracted net grid service program cash flows, projected future cash flows from solar energy renewable energy credit sales, less estimated operating and maintenance costs to service the systems and replace equipment, consistent with estimates by independent engineers, over the initial term of the Customer Agreements and estimated renewal period. For Customer Agreements with 25 year initial contract terms, a 5 year renewal period is assumed. For a 20 year initial contract term, a 10 year renewal period is assumed. In all instances, we assume a 30-year customer relationship, although the customer may renew for additional years, or purchase the system.

Net Subscriber Value represents Subscriber Value less Creation Cost.

Total Value Generated represents Net Subscriber Value multiplied by Subscriber Additions.

Customers represent the cumulative number of Deployments, from the company's inception through the measurement date.

Subscribers represent the cumulative number of Customer Agreements for systems that have been recognized as Deployments through the measurement date.

Networked Solar Energy Capacity represents the aggregate megawatt production capacity of our solar energy systems that have been recognized as Deployments, from the company's inception through the measurement date.

Networked Solar Energy Capacity for Subscribers represents the aggregate megawatt production capacity of our solar energy systems that have been recognized as Deployments, from the company's inception through the measurement date, that have been subject to executed Customer Agreements.

Gross Earning Assets is calculated as Gross Earning Assets Contracted Period plus Gross Earning Assets Renewal Period.

Gross Earning Assets Contracted Period represents the present value of the remaining net cash flows (discounted at 5%) during the initial term of our Customer Agreements as of the measurement date. It is calculated as the present value of cash flows (discounted at 5%) that we would receive from Subscribers in future periods as set forth in Customer Agreements, after deducting expected operating and maintenance costs, equipment replacements costs, distributions to tax equity partners in consolidated joint venture partnership flip structures, and distributions to project equity investors. We include cash flows we expect to receive in future periods from state incentive and rebate programs, contracted sales of solar renewable energy credits, and awarded net cash flows from grid service programs with utilities or grid operators.

Gross Earning Assets Renewal Period is the forecasted net present value we would receive upon or following the expiration of the initial Customer Agreement term but before the 30th anniversary of the system's activation (either in the form of cash payments during any applicable renewal period or a system purchase at the end of the initial term), for Subscribers as of the measurement date. We calculate the Gross Earning Assets Renewal Period amount at the expiration of the initial contract term assuming either a system purchase or a renewal, forecasting only a 30-year customer relationship (although the customer may renew for additional years, or purchase the system), at a contract rate equal to 90% of the customer's contractual rate in effect at the end of the initial contract term. After the initial contract term, our Customer Agreements typically automatically renew on an annual basis and the rate is initially set at up to a 10% discount to then-prevailing utility power prices.

Net Earning Assets represents Gross Earning Assets, plus total cash, less adjusted debt and less pass-through financing obligations, as of the same measurement date. Debt is adjusted to exclude a pro-rata share of non-recourse debt associated with funds with project equity structures along with debt associated with the company's ITC safe harboring facility. Because estimated cash distributions to our project equity partners are deducted from Gross Earning Assets, a proportional share of the corresponding project level non-recourse debt is deducted from Net Earning Assets, as such debt would be serviced from cash flows already excluded from Gross Earning Assets.

Annual Recurring Revenue represents revenue arising from Customer Agreements over the following twelve months for Subscribers that have met initial revenue recognition criteria as of the measurement date.

Average Contract Life Remaining represents the average number of years remaining in the initial term of Customer Agreements for Subscribers that have met revenue recognition criteria as of the measurement date.

Positive Environmental Impact from Customers represents the estimated reduction in carbon emissions as a result of energy produced from our Networked Solar Energy Capacity over the trailing twelve months.The figure is presented in millions of metric tons of avoided carbon emissions and is calculated using the Environmental Protection Agency's AVERT tool. The figure is calculated using the most recent published tool from the EPA, using the current-year avoided emission factor for distributed resources on a state by state basis. The environmental impact is estimated based on the system, regardless of whether or not Sunrun continues to own the system or any associated renewable energy credits.

Positive Expected Lifetime Environmental Impact from Customer Additions represents the estimated reduction in carbon emissions over thirty years as a result of energy produced from solar energy systems that were recognized as Deployments in the period. The figure is presented in millions of metric tons of avoided carbon emissions and is calculated using the Environmental Protection Agency's AVERT tool. The figure is calculated using the most recent published tool from the EPA, using the current-year avoided emission factor for distributed resources on a state by state basis, leveraging our estimated production figures for such systems, which degrade over time, and is extrapolated for 30 years. The environmental impact is estimated based on the system, regardless of whether or not Sunrun continues to own the system or any associated renewable energy credits.

GHG Accounting Data Sources and Methodology

Earlier this year, we expanded our GHG calculation efforts to dive deeper into the impacts of our supply chain partners. We continued to follow the Greenhouse Gas Protocol methodology, a well established and comprehensive global framework with which to measure an organization's emissions, and expanded our efforts to calculate our entire GHG footprint. Below we provide the details of what was included in our GHG calculation.

Scope 1. These are direct emissions from owned or controlled sources. For Sunrun, this includes natural gas consumption used by leased facilities and fuel used by the leased fleet.

Scope 2. These emissions are indirect emissions from the generation of purchased energy. Sunrun's Scope 2 emissions are primarily from purchased electricity, either directly or through their office leases. Additionally, both market and location-based emissions are reported, as recommended by Scope 2 dual reporting guidance. The location-based method calculates emissions based on electricity consumption of the grid at the location where the energy is used, taking into account the regional fuel mix used to generate the electricity within the locations and time periods of operation. The market-based accounting method enables the application of utility based emissions factors and other energy contract instruments. Per the Protocol, both are reported, and the location-based result is included in the total emissions.

Scope 3. These are all indirect emissions (not included in Scope 2) that occur in the value chain of the reporting company, including both upstream and downstream emissions. Sunrun's Scope 3 emissions include purchased goods and services, upstream transportation and distribution, business travel, capital goods, employee commuting and teleworking, waste generated in operations, end-of-life, processing of sold products, and fuel and energy related activities. Emissions categories excluded from this scope are listed below and were found to be immaterial to Sunrun's overall footprint.

- Use of sold products: Solar panels do not generate emissions during their usage.
- Franchises: Sunrun does not have any franchises.

Calculation Process

Sunrun used primary data for the calculation of Scope 1 emissions, based on natural gas, propane, diesel and petrol consumption. For Scope 2, we used a location based and market based approach to determine emissions from purchased electricity for our leased facilities. For Scope 3, we used primary data to determine the following emissions: waste generated in operations, 17 suppliers (we used primary data from four suppliers as proxy for the remainder), channel partners (we used Sunrun's primary data as a proxy for our channel partner emissions), transportation and distribution, end-of-life, and fuel-and-energy related activities. For the remaining categories we used spend-based data.

Extended Carbon Calculations

Carbon balance calculations are based on derated expected production over 30 years. All kilowatt-hour values are translated into metric tons of CO2e emissions avoided using the GHG equivalencies calculator provided by the United States Environmental Protection Agency.

The carbon payback period is derived by taking Sunrun's carbon footprint and dividing that figure by systems deployed in the period. This gives us the carbon footprint of the average system deployed in the period, which, when divided by the expected carbon avoided of the average system results in the carbon payback period.

Calculations for the comparison to fossil fuel are based on average Sunrun system size deployed, expected average system production, which is derated over over 30 years, and Surnun's carbon footprint. Fossil-fuel figures for other sources of energy were taken from a 2013 study by the National Renewable Energy Laboratory (NREL), Life Cycle Greenhouse Gas

Emissions from Electricity Generation.

Calculations for avoiding air pollution and water consumption are derived from expected average system production derated over 30 years for systems deployed in 2016 through 2019. Thermoelectric power generation, on average, requires 12 gallons of water to produce 1 kilowatt hour of electricity[12].

Reference Table to Global Reporting Initiative Standards

We have used certain Global Reporting Initiative (GRI) Sustainability Reporting Guidelines to help inform what we disclose. The following table is presented to help readers find information that Sunrun has disclosed in reference to GRI's standards. The following charts provide a cross-reference location guide to our Impact Report, filings with the SEC (including our annual filing on Form 10-K), proxy statements, and other policies the company has posted on its investor relations website, available at investors.sunrun.com.

Disclosure	Disclosure Location
GRI 102: General Disclosures	
Organizational profile	
102-1 Name of the organization	Sunrun Inc.
102-2 Activities, brands, products, and services	Form 10-K, pgs. 6-12
102-3 Location of headquarters	Form 10-K, pg. 12 & 49
102-4 Number of countries where the organization operates	United States
102-5 Nature of ownership and legal form	Form 10-K
102-6 Markets served including geographic locations where products and services are offered, sectors served, types of customers and beneficiaries	Investor Relations Website > Events and Presentations > Sunrun Investor Presentation
102-7 Scale of the organization	Form 10-K
102-8 Information on employees and other workers	Form 10-K
Strategy	
102-14 Statement from senior decision-maker	Impact Report, pg. 3
Ethics and integrity	
102-16 Values, principles, standards and norms of behavior	Investor Relations Website > Corporate Governance > Code of Business Conduct and Ethics
102-17 Mechanisms for advice and concerns about ethics	Investor Relations Website > Corporate Governance > Code of Business Conduct and Ethics, Whistleblower Policy

Governance	
102-18 Governance structure	Proxy Statement pg. 10-13, Investor Relations Website > Corporate Governance > Governance Highlights
102-22 Composition of the highest governance body and its committees	Proxy Statement pg. 10-11, Investor Relations Website > Corporate Governance > Governance Highlights > Committee Composition
102-23 Chair of the highest governance body	Proxy Statement pg. 10, Corporate Governance Guidelines pg. 1
102-24 Nominating and selecting the highest governance body	Proxy Statement pgs. 11-13, Corporate Governance Guidelines pg. 2
102-25 Conflicts of interest	Corporate Governance Guidelines pgs. 3-4
102-28 Evaluating the highest governance body's performance	Corporate Governance Guidelines pg. 4
102-35 Remuneration policies	Proxy Statement pgs. 22-35
102-36 Process for determining remuneration	Proxy Statement pgs. 22-35
102-37 Stakeholders' involvement in remuneration	Proxy Statement pgs. 22-35
Reporting practice	
102-45 Entities included in the consolidated financial statements	Form 10-K
102-49 Changes in reporting	Form 10-K, 'Recently Issued and Adopted Accounting Standards"
102-50 Reporting period	Investor Relations Website > Events and Presentations
102-51 Date of most recent report	Investor Relations Website > Events and Presentations
102-52 Reporting cycle	Form 10-K
102-53 Contact point for questions regarding the report	Investor Relations Website > IR Contacts
102-55 GRI content index	Impact Report, pg. 72

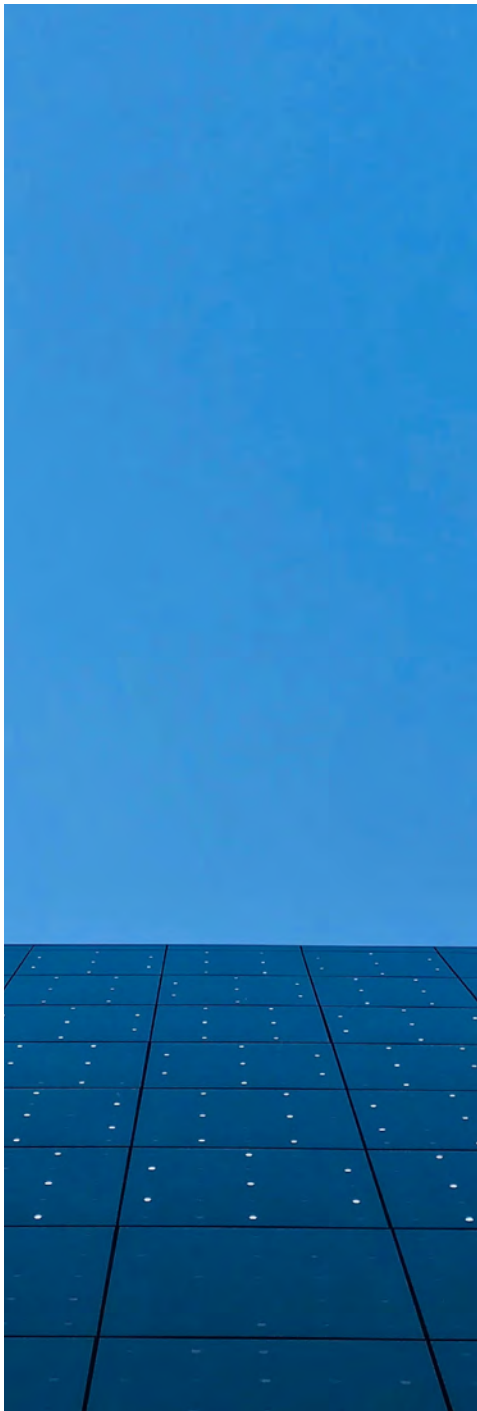
GRI 201: Economic performance	Annual Report, Form 10-K
GRI 302: ENERGY	
302-1 Energy consumption within the organization	Impact Report, pg. 20
302-3 Energy intensity	Impact Report, pg. 21
302-5 Reductions in energy requirements of products and services	Impact Report, pg. 22
GRI 305: EMISSIONS	
305-1 Direct (Scope 1) emissions	Impact Report, pg. 20
305-2 Energy indirect (Scope 2) GHG emissions	Impact Report, pg. 20
305-3 Other indirect (Scope 3) GHG emissions	Impact Report, pg. 20
305-4 GHG emissions intensity	Impact Report, pg. 20
305-5 Reduction of GHG emissions	Impact Report, pg. 20
305-6 Emissions of ozone-depleting substances (ODS)	Impact Report, pg. 23
305-7 NOx, SOx, and other air emissions	Impact Report, pg. 23
GRI 401: EMPLOYMENT	
401-2 Benefits provided to full-time employees that are not provided to temporary or part-time employees	Impact Report, pg. 41
401-3 Parental Leave	Impact Report, pg. 41
GRI 403: OCCUPATIONAL HEALTH AND SAFETY	
403-1 Workers representation in formal joint management-worker health and safety committees	Impact Report, pg. 28
403-2 Types of injury and rates of injury, occupational diseases, lost days, absenteeism, number of work-related fatalities	Impact Report, pg. 30
GRI 404: TRAINING AND EDUCATION	
404-1 Average hours of training per year per employee	Impact Report, pg. 40
404-2 Programs for upgrading employee skills and transition assistance programs	Impact Report, pg. 40
404-3 Percentage of employees receiving regular performance and career development reviews	Impact Report, pg. 40
GRI 405: DIVERSITY AND EQUAL OPPORTUNITY	
405-1 Diversity of governance bodies and employees	Impact Report, pg. 34-39
405-2 Ratio of basic salary and remuneration of women to men	Impact Report, pg. 38-39
GRI 406: NON-DISCRIMINATION	Available on Sunrun's Investor Relations Website > Corporate Governance > Code of Business Conduct and Ethics

Reference Table to Sustainability Accounting Standards Board Standards

Topic	Disclosure Location
Materials Sourcing (RR0102-15, RR0102-16)	Impact Report, pg. 25-26, Vendor Code of Conduct (available on Sunrun's Investor Relations Website > Corporate Governance)
Description of risks associated with integration of solar energy into existing energy infrastructure and discussion of efforts to manage those risks (RR0102-09)	Impact Report, pg. 43-51
Discussion of risks and opportunities associated with energy policy and its impact on the integration of solar energy into existing energy infrastructure (RR0102-10).	Impact Report, pg. 43-51
Discussion of the management of environmental risks associated with the polysilicon supply chain (RR0102-16).	Impact Report, pg. 25-26, Vendor Code of Conduct (available on Sunrun's Investor Relations Website > Corporate Governance)

Footnotes

[1] As of December 31, 2021
[2] Calculated using the EPA calculator (https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator#results) and inputting the 20 billion kilowatt-hours avoided
[3] Calculated using the EPA calculator (https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator#results) and inputting the 20 billion kilowatt-hours avoided
[4] On average in workday minutes
[5] World Business Council for Sustainable Development and World Resources Institute, The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard, Revised Edition (Geneva: World Business Council for Sustainable Development; Washington, DC: World Resources Institute, March 2004) available at https://ghgprotocol.org/sites/default/files/standards/ghg-protocol-revised.pdf.
[6] National Renewable Energy Laboratory, "Life Cycle Greenhouse Gas Emissions from Electricity Generation," January 2013, https://www.nrel.gov/docs/fy13osti/57187.pdf.
[7] National Renewable Energy Laboratory, "Life Cycle GHG Emissions from Conventional Natural Gas Power Generation: Systematic Review and Harmonization," September 2012, https://www.nrel.gov/docs/fy13osti/57229.pdf.
[8] https://sdgs.un.org/goals
[9] Calculated using the EPA calculator (https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator#results) and inputting the 20 billion kilowatt-hours avoided
[10] Calculated using the EPA calculator (https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator#results) and inputting the 20 billion kilowatt-hours avoided
[11] Calculated using the EPA calculator (https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator#results) and inputting the 20 billion kilowatt-hours avoided
[12] https://www.usgs.gov/mission-areas/water-resources/science/thermoelectric-power-water-use#:~:text=On%20average%2C%2015%20gallons%20(gal,time%20since%20the%201995%20report.



Forward Looking Statements

This communication contains forward-looking statements related to Sunrun (the "Company") within the meaning of Section 27A of the Securities Act of 1933, and Section 21E of the Securities Exchange Act of 1934 and the Private Securities Litigation Reform Act of 1995. Such forward-looking statements include, but are not limited to, statements related to: the impact of COVID-19 on the Company and its business and operations; the Company's financial and operating expectations; the Company's business plan, market leadership, competitive advantages, operational and financial results and metrics (and the assumptions related to the calculation of such metrics); the Company's momentum in the Company's business strategies, expectations regarding market share, customer value proposition, market penetration, financing activities, financing capacity, product mix, and ability to manage cash flow and liquidity; the Company's anticipated impact and momentum in the Company's ESG and climate-related strategies, expectations, effectiveness and performance; the growth of the solar industry; the Company's ability to manage supply chains and workforce; factors outside of the Company's control such as macroeconomic trends, public health emergencies, natural disasters, and the impacts of climate change; the legislative and regulatory environment of the solar industry; and expectations regarding the Company's storage and energy services businesses, the Company's acquisition of Vivint Solar, and anticipated emissions reductions due to utilization of the Company's solar systems. These statements are not guarantees of future performance; they reflect the Company's current views with respect to future events and are based on assumptions and estimates and are subject to known and unknown risks, uncertainties and other factors that may cause actual results, performance or achievements to be materially different from expectations or results projected or implied by forward-looking statements. The risks and uncertainties that could cause the Company's results to differ materially from those expressed or implied by such forward-looking statements include: the impact of COVID-19 on the Company and its business and operations; the successful integration of Vivint Solar; the availability of additional financing on acceptable terms; changes in the retail prices of traditional utility generated electricity; worldwide economic conditions, including slow or negative growth rates in global and domestic economies and weakened consumer confidence and spending; changes in policies and regulations including net metering and interconnection limits or caps; the availability of rebates, tax credits and other incentives; the availability of solar panels, batteries, and other components and raw materials; the Company's ability to attract and retain the Company's relationships with third parties, including the Company's solar partners; the Company's continued ability to manage costs associated with solar service offerings; the Company's business plan and the Company's ability to effectively manage the Company's growth and labor constraints; the Company's ability to meet the covenants in the Company's investment funds and debt facilities; factors impacting the solar industry generally, and such other risks and uncertainties identified in the reports that we file with the U.S. Securities and Exchange Commission from time to time. All forward-looking statements used herein are based on information available to us as of the date hereof, and we assume no obligation to update publicly these forward-looking statements for any reason, except as required by law.

sunrun

IMPACT REPORT **2021**