

Clearway Energy Group LLC

SUSTAINABILITY REPORT

2019

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MESSAGE FROM OUR CEO



At Clearway Energy Group LLC, providing clean, reliable, cost-effective energy is integral to our vision and mission. Clearway was created to accelerate the world's transition to a sustainable future through the deployment of renewable energy, and we are dedicated to harnessing America's abundant wind and solar resources to dramatically reshape our nation's electricity supply.

As awareness of the drawbacks to burning fossil fuels has risen, demand for power from pollution-free renewable resources has increased. Today, several states have set 100 percent renewable goals for their electricity supply, as have more than 100 cities, and nearly two-thirds of Fortune 100 and nearly half of Fortune 500 companies have set ambitious renewable energy targets. Increasing numbers of small and mid-size organizations, as well as individual consumers, have also chosen to source their electricity from renewable resources.

Our objective is to develop, own and operate a fleet of renewable assets that will power our customers' sustainability commitments while also meeting conservation goals and contributing to the communities where we operate, because reducing carbon emissions and doing what's right go hand-in-hand.

With a fleet of renewable plants that already generates enough power for over a million homes—and a pipeline of new projects from Hawaii to Maine that's large enough to double the size of our operating fleet—we're well-positioned to help drive America's continuing transition to sustainable energy.

Getting a significant percentage—and maybe someday, 100 percent—of our electricity from renewables will take time, and it will require a mix of distributed and utility-scale technologies. At Clearway, we're committed to helping states, cities, businesses and consumers meet and exceed their renewable energy goals.

As a company, we are united in our dedication to deliver affordable, pollution-free renewable energy, and we believe our focus on sustainability creates a solid foundation for our business model today as well as tomorrow.

In our first sustainability report, we're sharing the actions we're taking to move our world toward a better future for all. We're excited to share our accomplishments with our stakeholders, and we look forward to your feedback.

CRAIG CORNELIUS

Chief Executive Officer
Clearway Energy Group LLC

MESSAGE FROM OUR SUSTAINABILITY REPORT CO-CHAIRS



RAY LONG

SVP, External Affairs



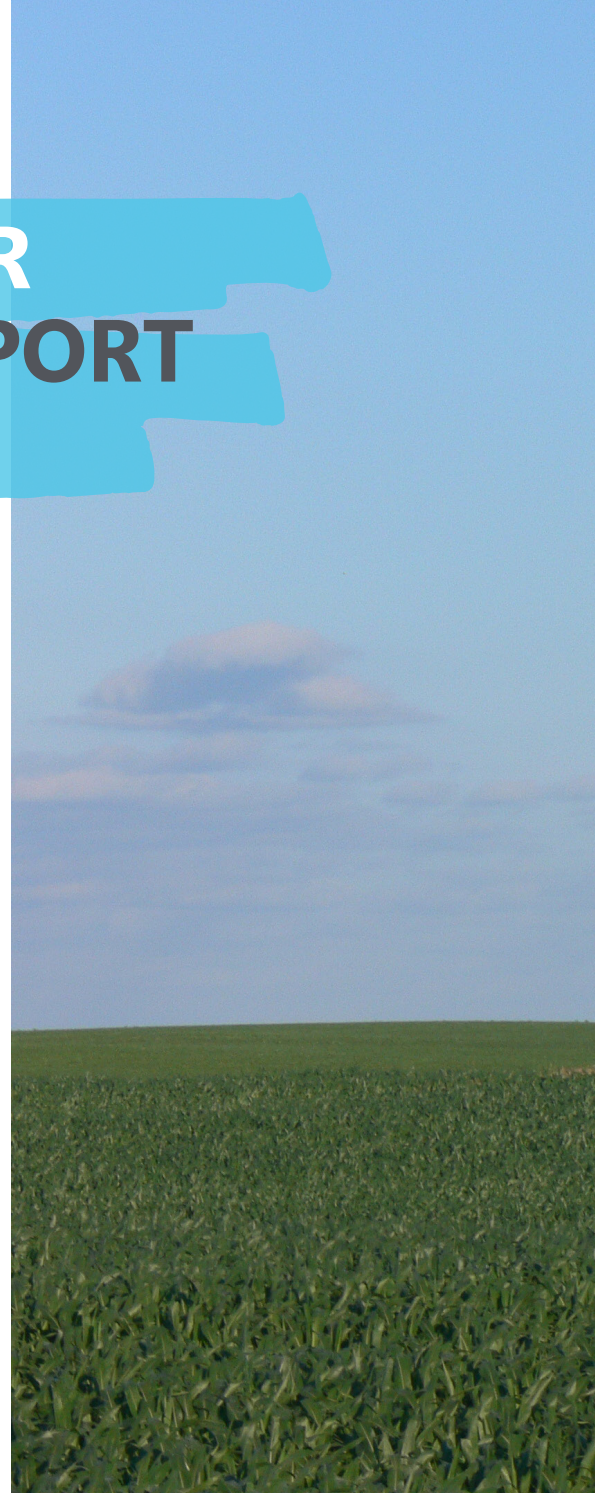
RAY KELLY

Director, Environmental

In early 2019, Clearway Energy Group LLC's CEO Craig Cornelius invited us to undertake the responsibility of producing the company's inaugural sustainability report. As a newly formed company, the decision to report on the sustainability of our operations was an ambitious one. We were honored to accept the challenge, and we are excited to share our findings with you.

The process of identifying material issues and collecting relevant information across our company quickly highlighted areas where we are doing well in addition to areas where we have room to improve and grow. We were pleasantly surprised at the relatively high number of disclosures we were able to make and look forward to disclosing more information in greater detail in future reports.

This effort has driven us to take a hard look at our policies and procedures and has helped shape and inform the development of Clearway's sustainability strategy. We firmly believe that this initiative has already made us a better company and will continue to do so in the years ahead.





ABOUT THIS REPORT

Clearway Energy Group LLC develops, owns, and operates renewable energy facilities in multiple states across the U.S. This is our first sustainability report, and it covers fiscal year 2019 (January 1 – December 31, 2019). In the future, our intention is to produce annual reports or updates. While this report references GRI disclosures, it is not in accordance with the GRI reporting standards. No external assurance has been sought specifically for this report. Because it is our inaugural report, we have no restatements or changes in reporting to disclose.

In keeping with our commitment to communicate openly with our stakeholders, we welcome your feedback. Please send your comments to:

Zadie Oleksiw

Senior Manager, Communications

zadie.oleksiw@clearwayenergy.com

MATERIALITY ASSESSMENT

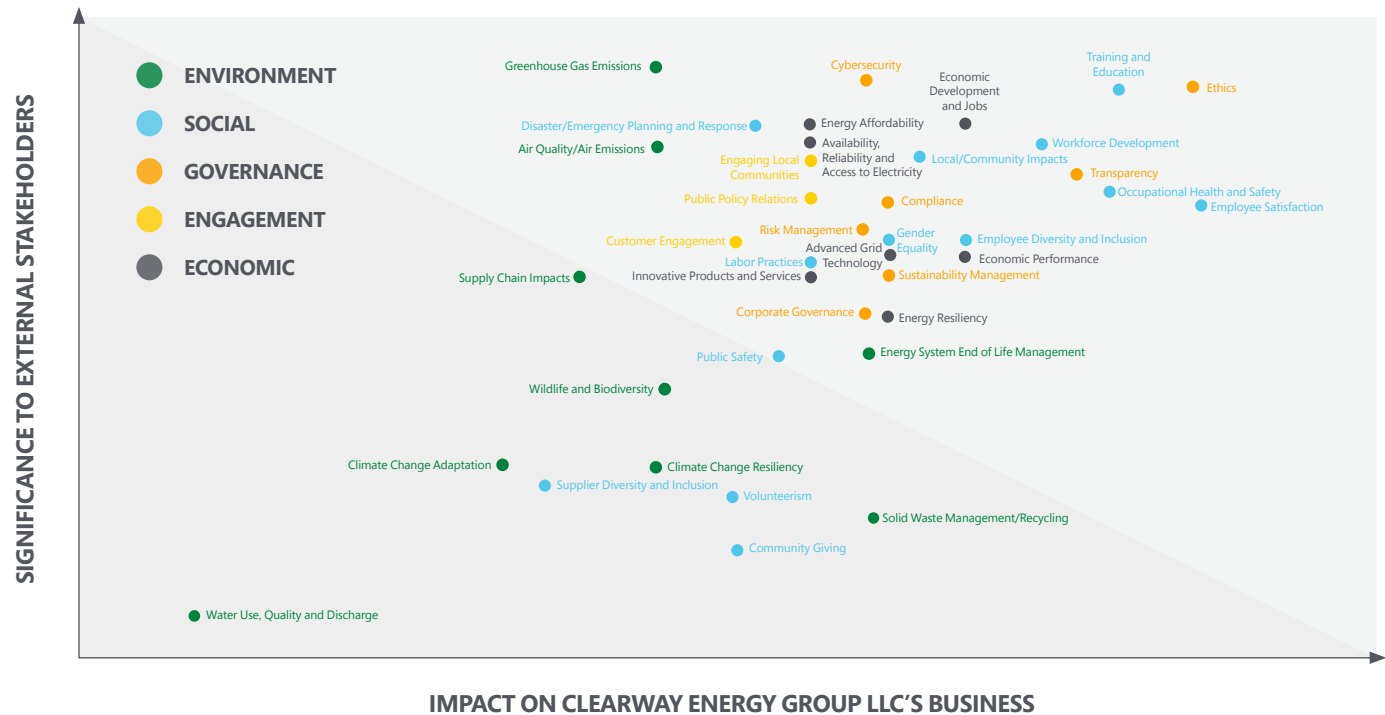
This report focuses exclusively on the activities of Clearway Energy Group LLC (Clearway), including those related to the renewable assets owned by our publicly traded affiliate Clearway Energy, Inc.

To establish a foundation for our sustainability program and initiate our reporting process, we conducted a materiality assessment to understand which social, environmental and economic issues have the potential to impact Clearway's business and are of importance to our internal and external stakeholders.

The process began with discussion among Clearway's management and leadership to develop a list of issues that are material to the energy industry and the company's operations. Clearway then engaged all internal stakeholders (employees) and several key external stakeholders including suppliers, customers, contractors and NGO partners through the use of a survey that asked participants to score the importance of the issues identified by Clearway.

The results are illustrated in the accompanying materiality matrix, which identifies 46 topics that are relevant for us to report on and address in our sustainability efforts.

Materiality Matrix



SUSTAINABILITY AT CLEARWAY ENERGY GROUP LLC

Clearway Energy Group LLC works to create a sustainable future by providing affordable, reliable, clean power to customers and communities across the country. We seek to set an example for the renewable energy industry by focusing on sustainable operations while continuously growing our company.

Our commitment to making the world a better place begins with considering the long-term impacts of everything we do. We prioritize care for the environment, respect our employees, neighbors and their communities, and strive to build lasting relationships with our business partners. We take our responsibility to operate sustainably very seriously because we know it's the right thing to do—for ourselves, our stakeholders, and future generations.

In late 2019, we began developing and implementing processes to collect and report environmental data such as fuel use, water, waste and GHG emissions. At the time of this report's publication we have obtained environmental data from over 50 percent of Clearway sites and have a goal of collecting and reporting on 100 percent of our sites in our 2020 report.

In 2019, we did not have any instances of non-compliance with laws or regulations that resulted in significant fines or non-monetary penalties for non-compliance.

Clearway's 2019 CLEAN ENERGY PERFORMANCE



4.3 GIGAWATTS of clean energy delivered to the grid – enough to meet the needs of 1.4 million American households



6.95 MILLION METRIC TONS OF CO₂ avoided for our customers – the equivalent of taking 1.5 million passenger vehicles off the road for one year*

*Based on the U.S. EPA Greenhouse Gas Equivalencies Calculator

CLEARWAY'S 2019 PORTFOLIO



1.2 GW of Utility-Scale Solar

2.8 GW of Utility-Scale Wind



300+ MW of Community Solar & Distributed Solar

4.3 GW of O&M and Asset Management Services



ABOUT OUR COMPANY

CLEARWAY ENERGY GROUP LLC

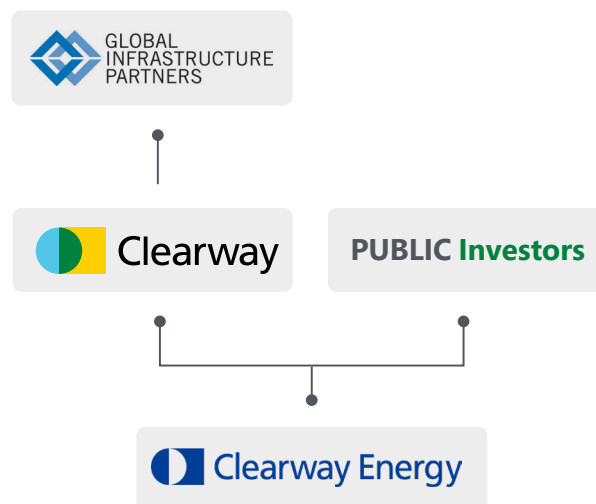


Clearway Energy Group LLC is a privately held renewable energy company that develops, owns and operates wind and solar energy projects in the United States.

Our company began operations on August 31, 2018, when it was formed as a result of the sale of NRG Energy, Inc.'s renewables platform to Global Infrastructure Partners (GIP). GIP is an independent fund manager that invests in infrastructure and businesses in both OECD and select emerging market countries. Through Clearway Energy Group LLC, GIP also holds an interest in our public affiliate, Clearway Energy, Inc.

With over 4.3 gigawatts (GW) of wind and solar in operation across 25 states, including assets owned by our public affiliate, Clearway Energy Group LLC is one of the largest owners of renewable energy in the nation. In addition, we own an extensive development pipeline of wind, solar, and energy storage projects.

We are headquartered in San Francisco, CA with offices in Carlsbad, CA; Scottsdale, AZ; Houston, TX; and New York, NY. We also utilize a co-working space in Princeton, NJ.



ABOUT OUR PUBLIC AFFILIATE, CLEARWAY ENERGY, INC.



Clearway Energy, Inc. is a leading publicly traded energy infrastructure investor focused on modern, sustainable and long-term contracted assets across North America. Formerly known as NRG Yield, Inc., the company changed its name to Clearway Energy, Inc. on August 31, 2018.

Clearway Energy, Inc.'s environmentally sound asset portfolio includes over 7 GW of wind, solar and natural gas-fired power generation facilities, as well as district energy systems. Through this diversified and contracted portfolio, Clearway Energy, Inc. endeavors to provide its investors with stable and growing dividend income.

Clearway Energy Group LLC owns a controlling interest in Clearway Energy, Inc. and serves as its supporting sponsor, principally through the development of renewable energy projects crafted to be optimal investment candidates for Clearway Energy, Inc. and through the operation of renewable energy projects owned by Clearway Energy, Inc., as well as through the provision of administrative support services.

Clearway Energy, Inc.'s Class C and Class A common stock are traded on the New York Stock Exchange under the symbols CWEN and CWEN.A, respectively.

VISION, MISSION, AND VALUES

OUR VISION

Clearway Energy Group LLC's vision is a world powered by clean energy. Our nearly 600 employees work every day to make that vision a reality by operating solar and wind projects in 25 states and developing new clean energy projects across many more. Together with our customers, affiliates, and partners, we are leading the way to a renewable energy future.

OUR MISSION

Our mission is to produce clean, reliable, competitively priced renewable energy. We strive to do right by our customers, our communities, our environment, and our people, and we are dedicated to operating a sustainable company that makes all these things—and more—possible.

CLEARWAY ENERGY GROUP LLC'S COMMITMENT

Our strength depends on our promise to each other to live by our values and operating principles as we go about the tasks of fulfilling our mission and acting as stewards for our stakeholders. That promise is reflected in our Code of Conduct which applies to all Clearway employees, as well as our Supplier Code of Conduct which applies to all suppliers. Our commitments include:

- An ethical business culture that includes working collaboratively with a spirit of trust
- Compliance with applicable laws and regulations, as well as with our Code of Conduct and Supplier Code of Conduct
- A safe, fair and respectful workplace
- A positive work environment free of harassment, bullying and intimidation
- Decisions that are made in the best interests of Clearway, without personal conflicts or bias
- Confidence that reports of all kinds, made in good faith, will be taken seriously and investigated appropriately, and that those reporting will not face retaliation

OUR VALUES



QUALITY

We focus on near-, medium-, and long-term impacts and outcomes when developing our projects, our partnerships, our people, and our business.



RESPECT

We value diverse backgrounds and perspectives, work to see things through new lenses, and communicate thoughtfully.



POSSIBILITY

We seek to realize the potential in our people, our partners, and our projects.



OUR BUSINESS

Clearway Energy Group LLC is a full-scope development and operations platform with 4.3 GW of wind and solar under ownership and over 9 GW in development as of December 31, 2019. We actively participate in every stage of the lifecycle of our projects—from origination and development, through construction and financing, to commercial operation and long-term ownership. Clearway strives to create enduring relationships with our customers, counterparties, partners, affiliates, and stakeholders.



ORIGINATION

Focused on utility scale wind, utility scale solar, community solar & battery storage

Our Origination team has extensive experience delivering renewable power under long-term contracts to corporations, educational institutions, governments, residential customers, and wholesale customers, including investor-owned utilities, municipalities, cooperatives, community choice aggregators, and competitive retail providers. We leverage our strong presence across key regulated and deregulated markets in the U.S. where we have utility scale wind and solar projects, as well as community solar and battery storage projects, offering innovative solutions to meet our customers' power and sustainability needs.



DEVELOPMENT

Site diligence, project management, permitting, & interconnection

Comprised of experienced project developers and subject matter experts in transmission and market strategy, land use permitting, and real estate transactions, our Development team works closely with property owners, local governments, utilities, state and federal environmental agencies, technical consultants, and other stakeholders to ensure our projects are responsibly sited and developed.

The Development team embodies Clearway's mantra to "do right by our customers, our communities, and our environment" by conserving natural resources and creating positive and lasting relationships with our projects' landowners and neighbors.



ENGINEERING, PROCUREMENT AND CONSTRUCTION (EPC) MANAGEMENT

Technical services & construction management

As the owner and operator of our clean energy facilities, we seek to design and build systems that meet or exceed safety and performance expectations. Clearway maintains an industry-leading level of quality assurance in our EPC management processes, and we partner with the most capable EPC firms in the industry.



CAPITAL MARKETS

Over \$7.2 billion in project financing raised across more than 150 distinct projects

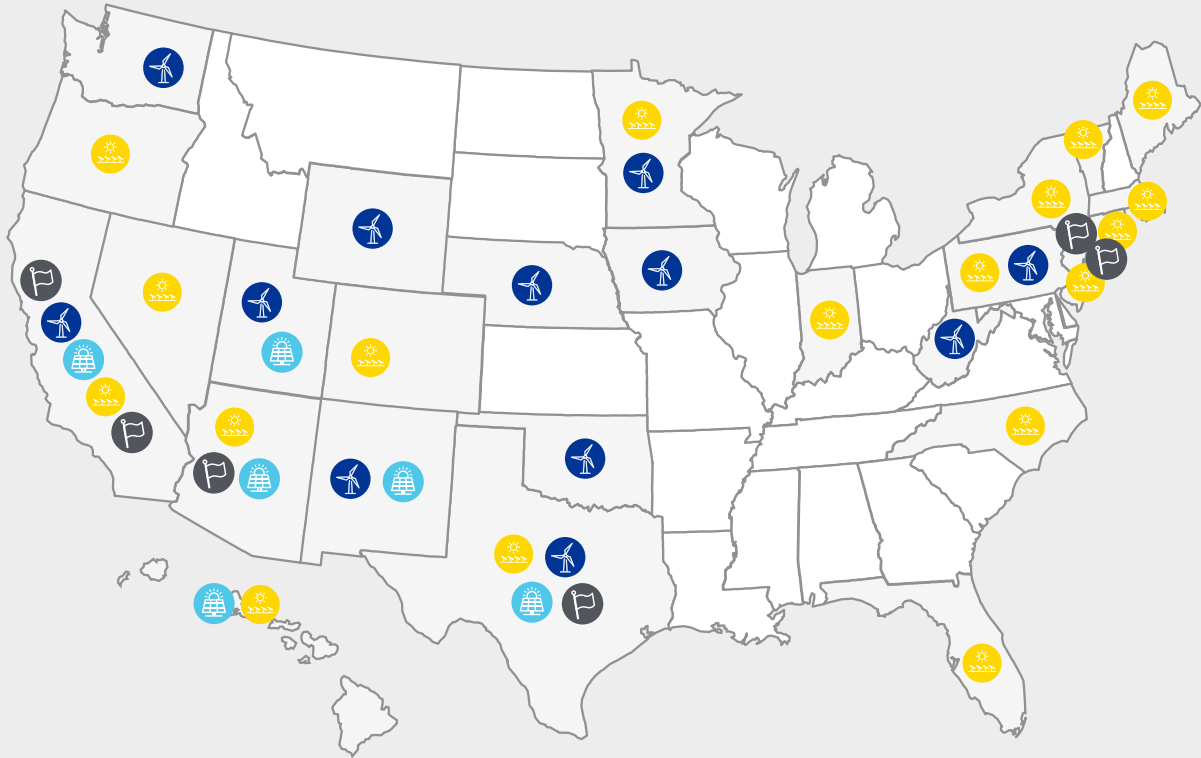
Clearway arranges 100 percent of a project's required funding through a combination of sponsor equity, construction financing, tax equity, and debt. Our diversified financing experience combined with our portfolio of long-term generation assets gives us a unique advantage when working with investors and financing institutions. Our Project Finance team prioritizes building mutually beneficial and lasting relationships with capital providers to secure financing in the most competitive markets.



COMMERCIAL OPERATIONS

In-house Asset Management and Operations & Maintenance

Clearway Energy Group LLC prides itself on being a world-class owner and operator of renewable generation assets. Our Commercial Operations team is comprised of best-in-class technical experts. These individuals manage the majority of the 4.3 GW of wind and solar assets owned by Clearway Energy Group LLC and Clearway Energy, Inc., and ensure our customers' sustainable energy goals are met.



Our Projects and Operational Assets

Clearway Energy Group LLC's extensive experience with all aspects of project development, operations, and customer service has made us a leader in the renewable energy industry. Our nationwide operating footprint and development pipeline include utility-scale wind and solar, community solar, and battery storage projects. We proudly support the communities where we live, work, and operate our projects.



2.8 GW WIND



1.2 GW SOLAR



300 MW COMMUNITY & DISTRIBUTED SOLAR



6 MAIN OFFICES

THE 2019 CLEANIE AWARDS



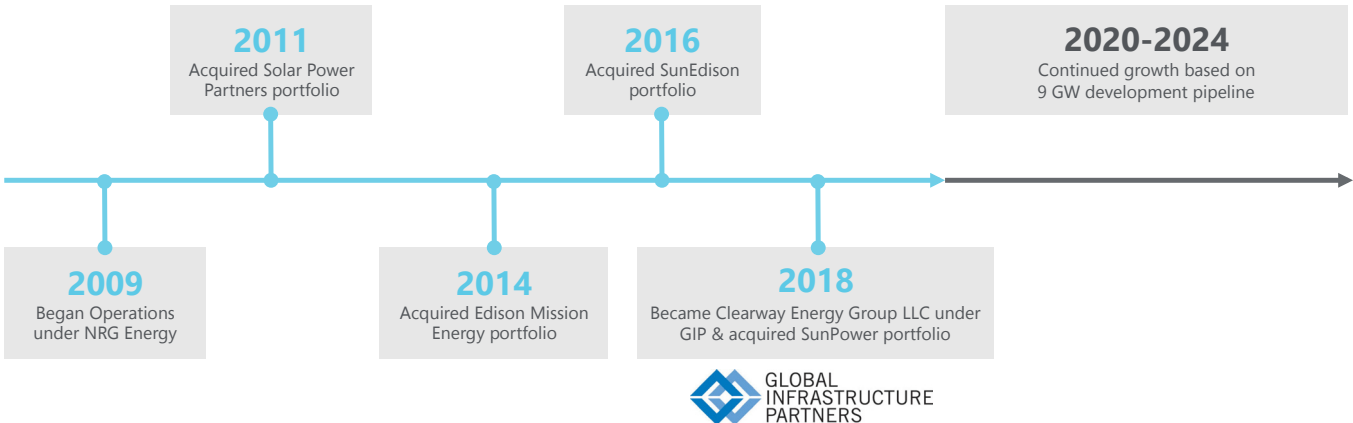
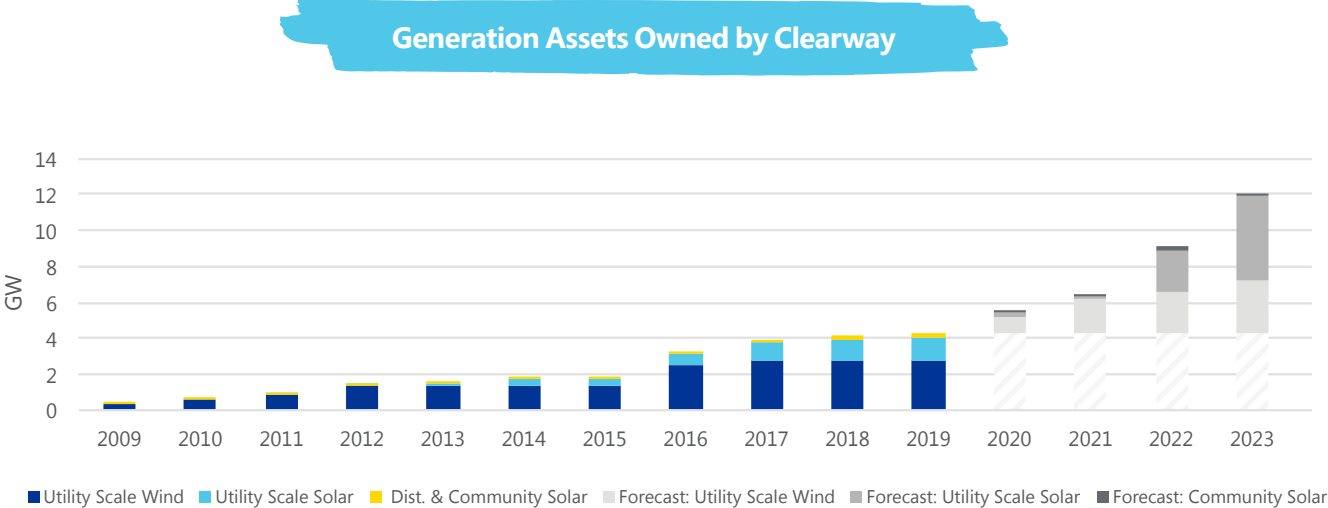
In September 2019, Clearway Energy Group LLC was honored to win the Platinum award in the Midsize Company of the Year category at the Cleanie Awards®, the only cleantech awards program focused exclusively on honoring innovators and disruptors who are creating market-moving solutions. The awards were announced at Solar Power International (SPI), a major industry conference that attracts over 19,000 attendees.

FINANCIAL PERFORMANCE



\$11 billion in total assets
\$7.2 billion in total capital raised (\$2.4 billion in 2019)
\$3.2 billion in total equity
\$1.2 billion in annual revenue
\$740 million annual EBITDA

A TREND OF SUSTAINABLE GROWTH





SUSTAINABILITY CONTEXT

CLIMATE CHANGE AND THE ENERGY INDUSTRY

The costs of climate change are significant and increasing. Extreme weather events like droughts, forest fires, flooding, and hurricanes damage our infrastructure and negatively impact our economy.

Climate change presents a special dilemma for the energy industry. Abundant, affordable power is critical to modern society and a robust economy, and no individual, organization or jurisdiction can function without it. At the same time, electricity production is a significant source of greenhouse gas emissions in the U.S.

Finding ways to reliably generate thousands of gigawatt hours of sustainable energy annually is our industry's defining challenge today. Clearway Energy Group LLC is dedicated to meeting this challenge by increasing the amount of electricity Americans get from renewable energy sources. Our experienced team ensures the wind and solar facilities we develop and operate are optimized to maximize clean energy generation at the lowest possible cost.



CLEAN ENERGY GOALS IN THE UNITED STATES

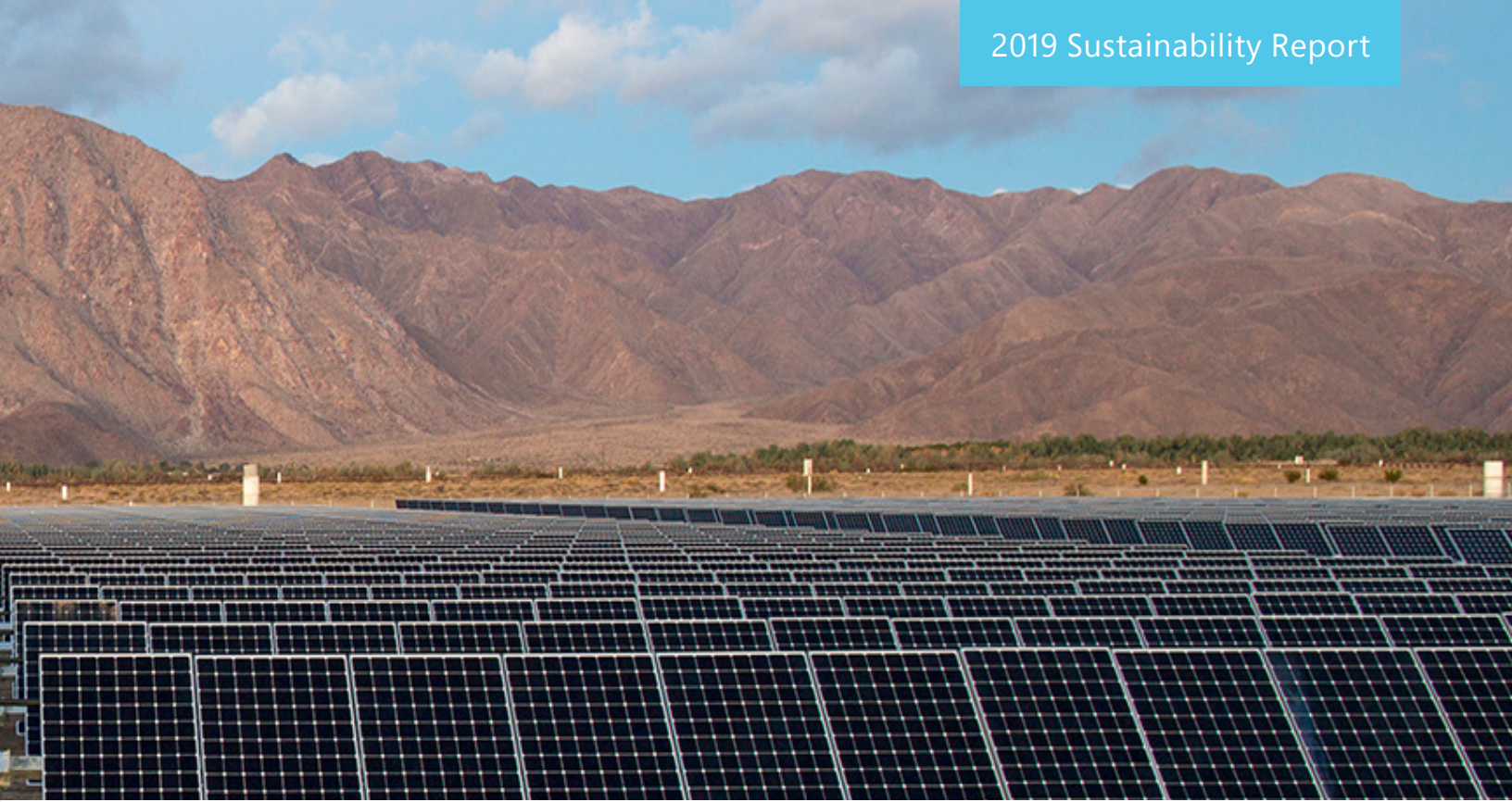
Across the country, an increasing number of governments, businesses, and homeowners are choosing to make more sustainable energy choices. Some of this demand expands the market for renewable energy through voluntary purchases, but since the early 2000s, state renewable portfolio standards (RPS) have been the biggest driver of renewables growth in the U.S.

As of 2019, 30 states have RPS programs, which require that a certain percentage of retail electricity sales be sourced from renewables. The percentages increase over time, and by 2030, meeting state RPS targets will require roughly 73 GW of renewable generation capacity. Today, RPS programs apply to 56 percent of all U.S. retail electricity sales, and Lawrence Berkeley National Labs **predicts** that by 2030, renewable energy sold to meet state RPS targets will comprise 12 percent of total U.S. retail electricity sales.

U.S. cities are also stepping up to the plate, and more than 100 have made commitments to increase their use of renewable energy. In early 2019 the **American Cities Climate Challenge Renewables Accelerator** program was launched to help them meet their goals by procuring more than 2.8 GW of renewable capacity.

Another big source of demand for renewable energy is corporations, many of which have set sustainability targets that include reducing their carbon footprint. Purchasing renewable energy is an efficient method for achieving their goals, and many of these companies have also been pleased to discover that they can use long-term renewables contracts to help manage their energy costs. The **Renewable Energy Buyers Alliance** (REBA) reported that in 2019, corporations procured almost 9.3 GW of renewable energy, setting a new single-year record. In addition, **RE100**, a collaborative initiative by global companies that have set a public goal to source 100 percent of their electricity from renewable sources, has 221 member organizations and counting.

Residential electricity customers are also becoming more aware of the impacts of their energy choices, and many people see renewable energy as one of the best ways to fight climate change. In addition to carbon-free electricity, renewables are seen as a way to increase our nation's energy independence, create jobs, and boost the economy.



DELIVERING DECARBONIZATION

As concerns about climate change and the environmental impacts of electricity generation increase, consumers are turning to wind and solar energy for clean, carbon-free electricity. The U.S. is fortunate to have abundant renewable energy resources, but ensuring the availability of safe, reliable low-cost electricity requires more than ample supply.

Our nation's electrical grids are complex, highly engineered systems that must perform a wide range of interdependent, critical functions. While the generation characteristics of renewable resources like wind and solar differ from fossil fuels, when paired with energy storage technologies and a robust transmission and distribution system, renewables can provide the same reliability as fossil-fuel based generation, often at a lower cost.

Energy storage is a key component of any electrical system that incorporates high percentages of renewables, because storage makes it possible to save electricity for release during periods of high demand. For example, storage can be used to capture excess solar energy generated during the middle of the day, and release it during the evening peak when consumers place extra demands on the system.

Transmission is also critical to getting us closer to 100 percent renewables, because many of the country's best renewable energy resources are in remote locations far from dense population centers. Transmission lines get electricity from where it's generated to where it's needed, and by relieving congestion on power lines, new transmission can reduce the need to build new power plants. Studies have shown that investments in transmission pay for themselves a few times over because improvements to the grid make it more flexible, resilient, and better able to resist cyber-attacks.

Clearway Energy Group LLC is actively engaged in industry efforts to enhance and modernize our nation's electrical grid in ways that will enable expanded use of renewable energy, and as discussed in the wholesale customer spotlight on [**Hawaiian Electric Company**](#), energy storage is an important component of many of our solar projects.

That said, in many parts of the country modern, efficient natural gas peaker power plants that are strategically situated in the electric grid will be key to supporting the reliable and rapid growth of renewables. While energy storage and transmission will play a critical role, we believe that reliably and cost-effectively meeting clean energy targets will require retaining existing clean peaking natural gas generation in our country's playbook for the next two decades.

CLEARWAY ENERGY GROUP LLC'S DEVELOPMENT PIPELINE

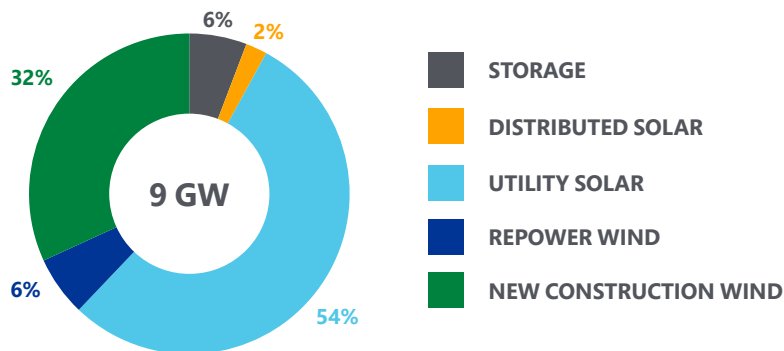
In 2019, our Origination team closed power purchase agreements for just over 1 GW of future projects in the development pipeline. That's enough clean energy to power 550,000 American homes, and it will enable our customers to avoid 3.7 million tons of CO2 annually—the equivalent of taking 700,000 cars off the road for one year.

2019 Development Highlights

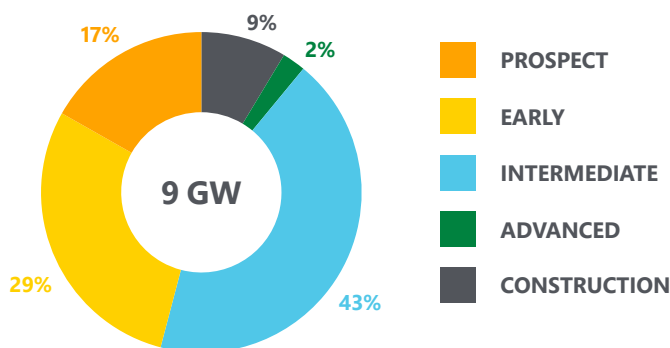
- Achieved equity investment in and commercial operation of 418 megawatts (MW) via Hawaii Solar 1.0, Repower 1.0, and DG investment partnership projects
- Commenced construction on the 144 MW Rattlesnake Flats and 419 MW Mesquite Star wind projects, as well as six community solar projects totaling 14.5 MW
- Diversified portfolio with 1 GW of new construction wind opportunities in the Western Electricity Coordinating Council (WECC)
- Executed 1 GW in revenue contracts

9 GW Development Pipeline

By Project Type (%)



By Project Stage (%)



GETTING TO WORK: TOWARD A SUSTAINABLE FUTURE

Transforming our nation's electricity grid into a more sustainable system requires commitment and vision. The Clearway team is dedicated to developing and operating clean, reliable, cost-effective renewable energy facilities that provide clean, responsibly generated power to our customers while meeting the needs of the environment and society at large. As we continue to grow our company and expand our operations, we look forward to playing a leading role in meeting the sustainable energy challenges of the next decade and beyond.



UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS

In 2015, the United Nations Member States adopted **the 2030 Agenda for Sustainable Development**, which charts a course toward reducing poverty and inequality, and seeks to improve the lives of the world's people while tackling global challenges like climate change and environmental degradation.

Central to the 2030 Agenda are the 17 Sustainable Development Goals (SDG), which focus on addressing critical issue areas.

Clearway Energy Group LLC's contributions fall primarily under SDG7, Ensuring Access to Affordable, Reliable, Sustainable and Modern Energy for All, which is perfectly aligned with our vision and mission. The 4.3 GW of wind and solar energy projects in our portfolio provide clean, reliable power to our customers across the U.S., and help reduce overall carbon emissions. We plan to continue to expand our operations and to contribute to a significant increase in the percentage of U.S. electricity that is produced by non-emitting renewable energy sources.





LEADING A CLEAN ENERGY FUTURE

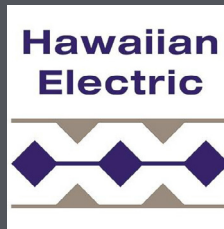
OUR CUSTOMERS

At Clearway Energy Group LLC, we are committed to helping our customers meet and exceed their sustainability and renewable energy goals. We partner with corporations, educational institutions, governments, residential customers, and wholesale customers, including investor-owned utilities, municipalities, cooperatives, community choice aggregators and competitive retail providers to deliver clean, reliable, and cost-effective power contracts. As the long-term owners and operators of our wind and solar fleet, we establish ongoing relationships with our customers for the life of the contract term. Our team has the experience and market knowledge to structure flexible, innovative contracts that meet the needs of our customers.

WHOLESALE CUSTOMERS

Clearway's leadership in providing clean energy solutions has made us a trusted partner for many of the biggest investor-owned utilities, municipalities, cooperatives, community choice aggregators, and competitive retail suppliers in the country. Our track record of securing cost competitive wind, solar, and battery storage power contracts has resulted in the successful execution of over 50 unique wholesale projects across both regulated and deregulated markets. We have extensive experience enabling our wholesale customers to meet the requirements of integrated resource plans (IRP) and renewable portfolio standards with renewable generation from our nationwide fleet.

WHOLESALE CUSTOMER SPOTLIGHT: HAWAIIAN ELECTRIC COMPANY (HECO)



In 2019, Clearway Energy Group LLC completed three utility-scale solar projects totaling 110 MW on the Hawaiian island of Oahu. Combined, the three projects will generate low-cost renewable energy equivalent to that used by 18,000 Oahu homes each year.

Clearway's projects represent the largest block of grid-scale solar power ever developed in Hawaii and are helping Hawaiian Electric achieve its renewable portfolio standard target, which calls for providing 100 percent of electricity from renewable sources by 2045. By the end of 2019, Clearway's three projects were adding three percentage points to Hawaiian Electric's renewable generation, bringing the total sourced from renewable resources to over 28 percent.

"This successful partnership is helping Hawaii become less dependent on fossil fuels while becoming more energy independent, reducing pollution, and driving down the cost of electricity for our businesses and families. These solar projects are helping our state secure its energy future for generations to come."

– Governor David Ige



GOVERNMENT CUSTOMERS

More than 220 companies globally have committed to 100 percent renewable energy, and in the U.S. more than 100 cities have adopted ambitious 100 percent clean energy goals. Clearway Energy Group LLC is proud to count many of our customers among these groups, and to play a role in helping our customers achieve their sustainability targets. As of 2019, Clearway has over 100 power purchase agreements with businesses, corporations, educational institutions, and governments across the country.

BUSINESS & GOVERNMENT CUSTOMER SPOTLIGHT: ECOLAB



In 2019, **Ecolab Inc.** signed a virtual power purchase agreement (VPPA) for **100 MW OF WIND ENERGY FROM CLEARWAY'S MESQUITE STAR WIND FARM,** enough to cover **100 percent of the company's U.S. electricity use annually.**



VPPAs are a type of contract in which the buyer purchases all the benefits associated with renewable energy generation from a specific facility without taking physical delivery of the power.

"We continually work to improve the sustainability footprint of our customers' and our own operations, and the renewable electricity generated from Clearway's Mesquite Star wind farm will help us **reduce our greenhouse gas emissions 10 percent** by 2020 versus a 2015 baseline," said Emilio Tenuta, Vice President of Corporate Sustainability, Ecolab.

Ecolab is the **global leader in water, hygiene and energy technologies and services** that protect people and vital resources.



COMMUNITY SOLAR CUSTOMERS

Community solar has an important role in supporting the aggressive decarbonization and renewable energy goals that have been adopted by states, cities, and businesses across the country. For customers unable to install rooftop solar, community solar offers a flexible, inexpensive way to utilize renewable energy in their region. At Clearway, we offer our customers transparent pricing, in-house billing services, and subscriptions that are customized to their needs. Community solar offers clean energy along with significant local benefits that include job creation and economic development, as well as healthier communities and utility bill savings. As of 2019, Clearway had over 15,000 community solar customers.

COMMUNITY SOLAR CUSTOMER SPOTLIGHT: BOSTON SCIENTIFIC



Boston Scientific is dedicated to transforming lives through innovative medical solutions that improve the health of patients around the world. Boston Scientific has a goal to achieve global carbon neutrality for manufacturing and distribution by 2030.



In 2019, Boston Scientific signed subscription agreements with Clearway for a portion of a **12.9 MW community solar** portfolio in Massachusetts, where Boston Scientific is headquartered, which serves to drive demand for renewable energy and increase access to local clean electricity across the state.



BOOSTING CLEAN ENERGY PRODUCTION THROUGH REPOWERING

Turbine technology has evolved dramatically over the past 10-15 years, and today's wind turbines are markedly larger and more efficient than their predecessors. In many cases, the clean energy production from wind farms built in the 2000s can be significantly boosted by replacing their turbines with newer models that are more powerful and efficient.

This process is called repowering, and it offers many advantages. In addition to better capturing the available wind resource, repowering utilizes the project's existing footprint and facility structures. As a result, fewer materials are needed, and the environmental impacts are lower than they would be if a new facility were constructed.

REPOWERING ELBOW CREEK

In 2019, **Clearway** completed its first repowering project at the
122 MW ELBOW CREEK
WIND FARM IN BIG SPRING, TX,
which was originally placed into service in 2008.

The wind farm's 53 2.3 MW Siemens turbines were repowered with **new nacelles, gearboxes, and longer blades** that can capture more wind energy. In addition to increasing clean energy production, these upgrades are expected to lengthen the life of the facility by 10 years. A majority of the recoverable materials were recycled, including 5,669 metric tons of metal components, 1,855 metric tons of fiberglass components and the oil from the gearboxes. Clearway continues to evaluate its operating portfolio across the country for opportunities to repower projects and looks forward to sharing those efforts with you in future reports.





CLIMATE CHANGE STRATEGY

2019 was our first full year of operations and the year in which we began conducting a formal climate scenario analysis to understand the potential impacts of climate-related risks and opportunities on our future activities, as well as to assess the resiliency of our current strategies. Broadly speaking, we anticipate that heightened interest in clean energy production will increase demand for wind and solar energy, but we also recognize that changing weather patterns could affect the day-to-day generation of our portfolio, and climate-driven extreme weather events could have significant impacts on individual facilities.

In 2020, we will be finalizing our climate scenario analysis and working to identify ways we can further contribute to the decarbonization of our nation's electricity supply. We look forward to sharing these strategies and discussing their alignment with the Task Force on Climate-related Financial Disclosures (TCFD) recommendations in our next report.

SHAPING THE RENEWABLE ENERGY SECTOR

In keeping with our commitment to expand the production and use of renewable energy, we maintain active memberships in several industry trade associations. Where appropriate, we seek to play a leadership role and to leverage associations' resources to advance initiatives that will make our industry more sustainable.

TRADE ASSOCIATION MEMBERSHIPS



COMMITMENT TO OPERATIONAL EXCELLENCE

CLEARWAY'S STANDARDS AND VALUES

Clearway Energy Group LLC is committed to sustainability in all aspects of our operations and governance. We are guided by five operating principles, in conjunction with a robust framework of policies that ensure our actions are fair, balanced, and ethical.

Our Operating Principles



Environment, Health & Safety: We always put the well-being of our people, our neighbors, and our environment first, whether in the office or in the field.



Integrity: We do what's right in our work, and say what's right with our words.



Accountability: We own our responsibilities and the outcomes of our actions, face our challenges, and seek help when we need it to accomplish our goals.



Continuous Improvement: Recognizing that there's no such thing as perfect in the real world, we embrace opportunities to learn and change, and always seek to make progress toward our goal of being an exemplary company.



Teamwork: We seek opportunities to collaborate and to help everyone around us be their best. By celebrating successes and sharing setbacks, we accomplish more together than we could individually.

HOW CLEARWAY MANAGES SUSTAINABILITY

At Clearway Energy Group LLC, we consider sustainability a core element of our business. 2019 was our first full year of operations, and under the leadership of our CEO we began the process of collecting data and reporting on the sustainability of our operations in alignment with the GRI framework. In addition to providing greater understanding of our impacts, this will help establish a performance baseline that will guide us toward improved sustainability and position us to benchmark future achievements.

We intend to formalize our sustainability reporting process in 2020. This report provides information about our sustainability performance in 2019, during which time our policies and procedures related to health and safety were based on the ISO 45001 standards, and our environmental policies and procedures followed the ISO 14001 standards.

ETHICS AND ACCOUNTABILITY

We consider ethics and accountability to be of the utmost importance. Our Code of Conduct addresses ethics matters and expectations, and employees are encouraged to bring concerns to their supervisor, the General Counsel, or the Vice President of Human Resources.

We also offer a telephonic Ethics Helpline and a web-based Ethics Alertline, which are available 24 hours a day, seven days a week. They are administered by an outside company to ensure confidentiality and anonymity, if desired. Calls are not traced or recorded, and the company does not keep any identifiable information regarding the sender of an online communication.

All legitimate concerns are objectively investigated and, where appropriate, remedial measures are taken. We prohibit retaliation of any kind against individuals who report concerns in good faith.



GOVERNANCE

BOARD OF DIRECTORS

Clearway Energy Group LLC is governed by a Board of Directors comprised of 6 individuals and chaired by Jonathan Bram, a founding partner of Clearway's parent company GIP who serves on GIP's Investment and Operating Committees. Our company's purpose, values, and strategy are determined by the Board of Directors and our leadership. The Board of Directors, Clearway officers and employees are committed to our shared mission, values, and operating principles.

Our leadership team is comprised of 17 executives and department-heads that have extensive experience across their specific disciplines as well as deep expertise in the renewable energy industry. Every individual brings knowledge, perspective, and an innovative mindset to our initiatives and goals. With every idea, and each effort across departments, we come together as a unified team.

The decision to report on our sustainability performance was initiated by our CEO in coordination with our Board of Directors. They invited our leadership team to undertake the task of delivering this report and reviewed and approved it prior to its release.



RISK MANAGEMENT

Risks to the long-term viability of our business include the availability and price of major project components like wind turbines, solar panels, and batteries, as well as future price trends and technological advances related to those components. The international, national and state-level policy and regulatory landscape also has the potential to impact our business.

Risks to the viability of specific projects include the ability to interconnect to the regional electric grid, as well as the availability of capacity on the transmission lines used to deliver the electricity produced from our facilities to end users.

Clearway Energy Group LLC's Board of Directors and senior management facilitate the effective management of risk through proper organizational structure and reporting relationships; demands for timely and meaningful performance, compliance and risk reporting; and by integrating themselves into an appropriate governance hierarchy regarding risk issues.

We have a robust risk policy that serves as the foundation document for our risk control infrastructure. The policy provides the framework and controls necessary to ensure the identification, evaluation, quantification and management of risk associated with delivering the objectives of our Board of Directors and senior management, and employees are required to acknowledge they understand it.

Our risk policy identifies the roles and responsibilities of key actors in Clearway Energy Group LLC's risk management structure, which include the:

- Board of Directors
- Audit and Risk Committee
- Risk Management Committee
- Capital Committee
- Compensation Committee
- Chief Financial Officer
- Chief Compliance Officer

ZERO TOLERANCE FOR CORRUPTION

Clearway Energy Group LLC does not engage in bribery, kickbacks or other acts of corruption. We're scrupulous in our business dealings and equally careful in our interactions with public or government officials. We are committed to complying with all applicable laws and regulations governing political activities and communications, including accurate reporting of lobbying activities, campaign contributions and gifts to public officials.

Corruption in all its forms has serious legal consequences for the companies and individuals who become involved in it. More importantly, it is a terribly destructive force that distorts markets, stifles economic development and wreaks havoc on local communities. We strictly comply with the letter and spirit of all applicable antibribery and anticorruption laws, including the U.S. Foreign Corrupt Practices Act (FCPA). In 2019, there were no incidents of corruption identified within our organization.

COMPETITION AND ANTITRUST

Clearway Energy Group LLC is committed to competing lawfully based upon the merits of our products and services. We comply fully with antitrust and competition laws everywhere we engage in business. These laws vary from country to country, but in general, they protect consumers by prohibiting competitors from acting together to control prices or to reduce competition. In 2019, there were no incidents of, or legal actions taken against us for, anti-competitive behavior, anti-trust, or monopoly practices.

CONFLICTS OF INTEREST

As a company, we commit to make business decisions based upon the best interests of Clearway Energy Group LLC, and not allow these decisions to be influenced by personal considerations. Our Code of Conduct discusses the potential for conflicts of interest or the appearance thereof, and provides clear guidelines for how employees and our suppliers should avoid, disclose, or report such conflicts.

DATA PRIVACY

In the course of work, our employees and suppliers may have access to non-public, confidential information regarding Clearway Energy Group LLC, its employees, customers and other third parties. Our Code of Conduct requires our employees, suppliers and their subcontractors to keep this information safe and secure. In 2019, we had no known breaches of customer privacy or losses of customer data.

ENVIRONMENTAL IMPACTS

ASSESSING OUR IMPACTS

We rely on a robust set of criteria when determining the potential impact of our activities, and our environmental practices are aligned with ISO 14001 standards. Assessments are performed in the course of siting and permitting new developments, as part of the evaluation of proposed expansions or introduction of new activities to existing facilities, and in the context of due diligence for new acquisitions. As a result of our team's consistent application of this approach and our implementation of safeguards to ensure compliance with local, state and federal regulations, in 2019 we did not experience any unplanned project delays related to ecological impacts.

The goal of impact assessments is the avoidance and minimization of impacts to sensitive natural and community resources. Impact assessments help guide our activities and reduce our footprint. Consideration is given to a wide range of factors, including:

- Land use compatibility and surrounding land uses
- Biological resources, including state and federally-protected plant and animal species
- Hydrological resources, including jurisdictional wetlands and other water bodies
- Geological resources, including erosion considerations
- Cultural and historical resources, including archaeological sensitivity and protected historical places or structures
- Flood plain management
- Community considerations, such as visual impacts, noise and shadow flicker, as applicable
- Notifications to the Federal Aviation Administration and Department of Defense, as applicable
- Federal, state or local permitting requirements unique to the asset and jurisdiction

Where applicable, the following United States Fish and Wildlife Service (USFWS) guidance documents are incorporated into the impact assessment and permitting process to establish monitoring and mitigation measures:

- USFWS Land-Based Wind Energy Guidelines (2012)
- Eagle Conservation Plan Guidance - Module 1 - Land-Based Wind Energy (2013)
- Indiana Bat Section 7 and Section 10 Guidance for Wind Energy Projects (2011)
- The Migratory Bird Treaty Act (1918), where applicable
- Other agency guidance, as available



CLEARWAY ENERGY GROUP LLC'S ENVIRONMENTAL TRAINING PROGRAM

Clearway Energy Group LLC believes that comprehensive training is crucial to the success of our company and enables us to meet our global environmental commitments. Our environmental training program delivers orientation and initial training of both new and internally transferring personnel, as well as ongoing refresher training for all personnel.

All staff and contractors working under the direction of Clearway undergo training to carry out the environmental responsibilities associated with their positions. Third-party contractors are required to have their own training programs that assure the safety of their personnel and compliance with all legal requirements. In some cases, we may share our environmental training program with third parties to help align program expectations and best practices.

Employees and contractors are required to comply with all applicable federal, state and local legal requirements at all times.

MEASURING WHAT MATTERS: KPIs AND CONTINUOUS IMPROVEMENT

At Clearway, we recognize the importance of creating environmental KPIs (key performance indicators) to manage our environmental impacts and upholding our commitment to continuous improvement in this area. As a newly formed company, we are in the process of identifying leading indicators and developing environmental KPIs that will:

- Set portfolio-wide environmental targets that align with Clearway's strategic plans/goals
- Drive improvement in environmental programs (e.g., training, inspections, etc.) or performance (e.g., waste generation, greenhouse gas emissions, water use, etc.)
- Focus on measurable outcomes whenever possible (e.g., waste generated and disposed of)
- Set timeframes of one or more years with interim milestones, as long as continual improvement can be monitored and demonstrated

The creation of KPIs involves developing and implementing action plans, tracking and reporting on progress, and taking steps to address underperformance. We look forward to sharing our KPIs and our achievements in meeting them in future reports.



ENVIRONMENT OVER PRODUCTION

One of our most fundamental commitments is embodied in our “Environment Over Production” policy, which establishes that energy production never takes precedence over environmental compliance. Clearway Energy Group LLC is serious about operating in an environmentally responsible manner, and the expectations we communicate with our staff and contractors are as follows:



All site workers shall perform work activities in compliance with Clearway environmental policies, federal, state and local environmental laws/permits, and plant design limits.



All site workers shall communicate any condition or behavior that could jeopardize the environment, or plant and/or animal species.

This policy applies to all facilities owned and operated by Clearway Energy Group LLC and presents the basic guiding policy for all of our facilities, departments, managers and employees. In 2019, we did not have any instances of non-compliance with laws or regulations that resulted in significant fines or non-monetary penalties for non-compliance.

GHG EMISSIONS

As a newly-formed company reporting on our first full year of operations, we do not yet have mechanisms in place to track electricity consumption and the associated greenhouse gas emissions for all of our offices and the generation facilities that we own. Work to develop these tracking mechanisms is underway, and we look forward to sharing this information in future reports.

An important metric we are able to report is that in 2019, our 4.3 GW portfolio of wind and solar assets allowed our customers to offset an equivalent of approximately 6.95 million metric tons of CO₂, which is equivalent to taking 1.5 million passenger vehicles off the road for a year. We also place emphasis on the sustainability of our workspaces—our Houston, Scottsdale and San Francisco offices are all in LEED Gold-certified buildings.

WATER

It is important to note that wind and solar facilities do not use water to generate power. This means the renewable generation assets we own and operate don't put a strain on scarce water supplies needed for agriculture, drinking water, or sanitation.

Our water consumption occurs at our corporate offices and the generation facilities that we own and operate. Our corporate offices are in buildings shared by other occupants, so we are not able to quantify the amount of water used by our office-based employees, and we do not yet have mechanisms in place to track or estimate water consumption at all of our facilities.

A major use of water that we are able to quantify is for rinsing dust from solar panels at the solar facilities we own and operate so they can produce the maximum amount of clean energy. In 2019, washing solar panels used 25,100 gallons.

Our storm water and wastewater management policies comply with federal, state, and local regulations, and are designed to minimize impacts to the natural environment and the communities that surround our project sites. Clearway Energy Group LLC does not use water for any of its industrial processes, and so no discharge permits are required.

WASTE

Clearway Energy Group LLC promotes the minimization of waste generation wherever practical in order to create a sustainable work environment for our personnel, the surrounding community, and the environment at large. All of our waste management procedures comply with federal, state, and local regulations.

We also promote the substitution and/or minimization of the use and storage of chemicals wherever practical in order to create a safe work environment for our personnel, the surrounding community, and the environment. Our procedures for handling and storing chemicals also comply with federal, state, and local regulations. All of our procedures related to waste apply to all Clearway personnel, temporary workers, and contractors.

In 2019, we generated 107.1 metric tons of non-hazardous waste across our fleet that consisted of used industrial oils, oil filters and oil-contaminated materials. Of this, an estimated 127,000 pounds of oil was recycled. We did not dispose of any hazardous waste, nor did we have any significant or reportable spills in 2019.

In our offices, we promote the use of reusable items like coffee cups and refillable water bottles and discourage the use of single-use plastic items. We also use or are transitioning toward

the use of compostable kitchenware in several of our locations. All of our office locations recycle standard items like paper, plastic and glass, and with the exception of our Carlsbad office, the building management offers free recycling of electronic goods.

BIODIVERSITY

Clearway Energy Group LLC's focus on clean energy production is rooted in a desire to protect and conserve the world around us. We are committed to understanding the potential and actual impacts of our projects on animal, bird and plant species, and to correcting or mitigating these impacts when they occur.

In the U.S., all power generation projects are required to go through extensive environmental review and permitting processes at the federal, state, and local level. This can include comprehensive environmental impact assessments that evaluate a project's potential impact on air and water quality, wildlife habitat, biodiversity, and other aspects of the natural environment.

Our robust environmental policies and procedures ensure that our development process for new projects meets or exceeds federal, state, and local environmental requirements, and that our existing generation assets operate within the scope of their permits and regulatory approvals.



Leading Efforts to Understand Wind-Wildlife Interactions



As part of our effort to ensure clean energy production can expand while protecting biodiversity, we are partners in the American Wind Wildlife Institute, a first-of-its-kind collaboration that brings industry partners together with researchers and conservation organizations to conduct and support scientific research to better understand wind energy's risks to wildlife and develop solutions to avoid, minimize, and offset those impacts. We're also founding members of the Wind Wildlife

Research Fund, an innovative, industry-led initiative that pools resources to develop science-based solutions to wildlife challenges, enabling companies to optimize both wildlife conservation and wind energy production.

Biomonitoring to Protect Sensitive Species

Some of the wind farms in our operations portfolio have the potential to directly affect protected species. These include California condors, bald eagles, golden eagles, whooping cranes, and bats (including hoary, Indiana, big brown, eastern red and tricolor bats). In keeping with our commitment to preserve and protect biodiversity and avoid harming wildlife, we implement rigorous biomonitoring and curtailment protocols at facilities that could impact these species.

Under a program managed by the U.S. Fish and Wildlife Service, California condors are outfitted with lightweight transmitters to track their movement and survival status. These same transmitters can be used to determine their proximity to wind turbines, enabling the stoppage of individual turbines to ensure the birds' safe passage. These transmitters emit VHF radio signals or GPS location data, enabling trained monitors equipped with special hand-held receivers and binoculars to verify the condor's location and flight path. If it is determined that the condor's location and direction of travel could cause it



to intersect with one or more wind turbines, the monitors direct operations staff to stop the turbine(s) to protect the condors.

For facilities where bald or golden eagles have the potential to interact with wind turbines, human-based monitoring and curtailment is considered the industry best practice and is the method we use most frequently. As with the California condor, eagle monitoring involves specially trained personnel watching the skies and alerting operations staff if an eagle is approaching. However, we've gone a step further and in 2019 began the installation of an **IdentiFlight** system at one of our facilities. IdentiFlight is an optical, machine-learning technology designed to detect and track eagles and send a signal to temporarily stop turbines in the eagle's path. This highly sophisticated system has been proven to be as effective as trained human observers and is one of many innovative technical solutions developed to protect wildlife while harnessing the power of the wind.

Some of our facilities in the Midwest lie within or near a 200-mile wide migratory corridor used by the Aransas-Wood Buffalo population of whooping cranes, which winter in the Aransas National Wildlife Refuge in southeast Texas and migrate to Wood Buffalo National Park in Alberta, Canada to nest. Although whooping cranes typically fly at altitudes well above the reach of wind turbines, the potential exists for individual birds to fly at lower altitudes, or even be on the ground within the project boundary. As such, our facilities in or near this migration corridor have procedures in place to stop turbines as needed during the spring migration (usually from mid-March to mid-May) and fall migration (usually from mid-September to mid-November). These procedures were implemented at the Buckthorn Wind facility in Texas, which began commercial operation in 2019.

We have one wind facility in an area with significant bat activity, and we employ “**seasonal curtailment**” to minimize its impacts. During the summer and fall seasons when bat activity is the highest, the facility’s turbines are stopped if wind speeds are below 5.0 meters per second—if wind speeds are above this cutoff, bats are unlikely to be flying. This approach, which has been shown to help reduce bat mortality, was developed based on a multi-year study and in consultation with a technical advisory committee comprised of federal and state environmental and wildlife agencies.

RESTORING NATIVE SHRUBLAND AT CALIFORNIA VALLEY SOLAR RANCH

California Valley Solar Ranch (CVSR) is a 250 MW solar photovoltaic facility operated by Clearway Energy Group LLC that is located on 1,650 acres of open grassland in eastern San Luis Obispo County, California. As part of the development and permitting process, more than 9,000 acres of lands in the vicinity of the site were protected from future development through a series of conservation easements. The lands covered by the conservation easement are monitored and managed by Sequoia Riverlands Trust. Because much of the land in the surrounding region had been previously degraded through grain farming, livestock grazing, and the introduction of invasive plants and weeds, it was determined that a project to restore a portion of this area to its native shrubland would be highly beneficial.

In 2019, we implemented an initiative to restore portions of the land in the conservation easement to its natural state through the re-introduction of native grasses and shrubs. The goal of the restoration project is to create a mosaic of shrubland and grasslands that will ultimately provide enhanced habitat for native wildlife species such as the giant kangaroo rat, San Joaquin kit fox, San Joaquin antelope squirrel, and pronghorn antelope.

We will continue to monitor and report on the success of the initiative for a period of seven years and may conduct additional plantings if needed.





CONSERVING THE BURROWING OWL

The Alpine Solar project is a 66 MW solar photovoltaic facility owned by Clearway Energy Group LLC. The project is located in the Antelope Valley of northern Los Angeles County on land that includes Western burrowing owl habitat.

The Western burrowing owl is a small ground-nesting bird that uses burrows dug by other animals—usually ground squirrels—for nests. Once extremely common throughout California, burrowing owl populations have declined sharply over the past 50 years, primarily due to extensive habitat loss from the expansion of urban development and agriculture.

The Alpine Solar project began commercial operation in 2013, but prior to construction we determined, in coordination with state and local wildlife agencies, that a habitat conservation plan for the burrowing owl was needed. The resulting Burrowing Owl Mitigation and Management Area is a 50-acre conservation easement within the project site that was created to protect land suitable for the restoration and

enhancement of burrowing owl nesting and foraging habitat. In 2011, environmental consultants Bloom Biological, Inc., in consultation with the California Department of Fish and Wildlife, passively relocated burrowing owls from the project site to the conservation area.

The conservation easement is managed by Sequoia Riverlands Trust, which performs quarterly site inspections, reports on its findings, and takes actions as needed to benefit the burrowing owl population, such as removing invasive vegetation and encouraging the growth of native plants. In 2019, they reported that the site is in good condition, with increased coverage of native plant species, and found seven dens that showed signs of use by burrowing owls.

STAKEHOLDER ENGAGEMENT

Our development, construction, operations and maintenance, and asset management teams engage with Clearway Energy Group LLC's stakeholders on a daily basis. We tailor our development, construction, and maintenance practices to align with our priorities of protecting natural resources and creating positive and lasting relationships with our projects' landowners and neighbors.

Clearway works closely with property owners, local governments, utilities, state and federal environmental agencies, qualified technical consultants, and other stakeholders to ensure our projects are responsibly sited, developed, constructed, and operated. During the project development phase, we may host or attend neighborhood "town halls" to share project details and discuss concerns with local residents. We work with experts in environmental and cultural resources to identify protected species, artifacts, and habitat and implement means to minimize or avoid impacts.

Most of our projects require public hearings and permits issued by town councils or county supervisors, who take the economic benefits from our projects (increased tax revenue and the creation of construction and operations jobs) into consideration when determining if this type of development is appropriate for their community.

These benefits can be substantial. In 2019, the wind and solar facilities owned and operated by Clearway contributed more than \$30 million in property taxes and more than \$10 million in landowner payments to their host communities.

CLEARWAY ENERGY GROUP LLC STAKEHOLDERS

Internal

- Employees

External

- Project lenders and equity investors
- Customers and off-takers
- Vendors and suppliers
- Insurers and guarantors
- Participating landowners
- Non-participating landowners
- Project area communities
- Federal, regional, and local governments
- Permitting authorities
- Regulators and government agencies
- Industry associations
- Non-governmental organizations
- Industry subject matter experts and academics

OUR STAKEHOLDERS

Customers

Clearway Energy Group LLC's customers range from some of the country's largest investor-owned utilities and Fortune 500 companies to public sector entities and individual homeowners. We value the trust they have put in our ability to meet their clean energy needs, and we strive to exceed their expectations.

Landowners

Our work would not be possible without the partnership of our landowners. As long-term owner-operators of our projects, we prioritize building strong relationships with landowners to ensure a lasting and positive experience for all stakeholders.

Local Communities

The communities that host our wind and solar projects are one of our most important stakeholder groups. The sustainability of our business depends on their support, and we strive to create and maintain open lines of communication regarding their needs, expectations and concerns. We also seek to contribute to the success of our host communities through donations, mentoring opportunities, and support for educational initiatives.

EPC Partners

Clearway Energy Group LLC applies a rigorous set of evaluation criteria to our Engineering, Procurement and Construction (EPC) partners. As part of our EPC Contractor Qualification Assessment program we ensure all our partners adhere to Clearway's standards of safety, experience, financial strength, and respect for the communities we serve. All of our EPC contractors and sub-contractors are required to hold valid licenses and certifications prior to commencing work. Our large portfolio allows us to continue long-standing relationships with the most capable EPC firms across the country.

Equipment Suppliers

Our comprehensive and holistic approach to system engineering and design focuses on optimizing durability, longevity, and system uptime over the life of the asset. Clearway Energy Group LLC is incentivized to build systems that will operate as expected and maximize the renewable resource for our customers and the communities we serve. We ensure equipment performance by using only top-tier and proven technologies backed by equipment warranties with robust aftermarket support from the original manufacturers.

Development Partners

In addition to developing renewable energy projects, Clearway acquires utility-scale solar and wind development projects nationwide and community solar projects in specific U.S. markets. We are always interested in learning about development-stage projects to add to our portfolio.

SUPPLY CHAIN

Our company was formed on August 31, 2018 as the result of the sale of NRG Energy, Inc.'s renewables platform. As a result, the majority of our current supply chain reflects the vendors and associated qualification history that were inherited from our prior owner. In 2019, there were no significant changes to our organization's structure, ownership, or supply chain. However, our organization did increase in size in 2019, growing from 478 employees to 575 employees.

Clearway Energy Group LLC seeks suppliers who integrate principles of sustainable development into all areas of their business. We strive to always act in an ethical, transparent and responsible manner, and expect our suppliers as well as their subcontractors to do the same.

SUPPLIER REQUIREMENTS AND OBLIGATIONS

All of our suppliers agree to abide by our Supplier Code of Conduct as part of our qualification process. The Code includes requirements regarding labor practices, human rights, environmental impacts, safety, and rare earth and conflict minerals. New suppliers are screened through either our Technology Business Council process or the vendor qualification program, depending on the type of goods or services they provide.

Major equipment purchases are guided by the principles established by our Technology Business Council, which pertain to the environmental impacts associated with the manufacture and transport of the equipment.

For purchases of services and goods that are not major equipment, we have a vendor qualification program that evaluates prospective suppliers based on their ability to meet the requirements of our internal policies.

In 2019, none of our suppliers triggered any red flags for negative environmental impacts during the supplier screening process. However, we disqualified one vendor for failure to comply with our Supplier Code of Conduct due to a refusal to affirm fair labor practices.

We request that our suppliers utilize green products and services to the maximum extent practicable, and that they use best efforts to purchase products that are sustainably sourced whenever such products are available at the same or a lesser total cost than products that are not sustainably sourced.

A GLOBAL SUPPLY CHAIN

Our supply chain comprises hundreds of companies that provide both major equipment as well as a wide range of services. Major equipment purchases include wind turbines, solar panels, and batteries, as well as balance-of-plant equipment such as substations and transformers. We procure an equally wide scope of services that include engineering, construction, environmental, permitting, IT, legal and financial services.

The majority of companies that supply services to Clearway Energy Group LLC are U.S. based, but much of the major equipment we procure is sourced internationally from global providers. This is particularly true in the case of solar panels, which are produced almost exclusively in Asia. The inverters we use with these solar panels are typically sourced from Spain, Germany, or China.

MAKING SUSTAINABLE CHOICES

Our suppliers may not manufacture or subcontract for the manufacture of any products for which “conflict minerals”—such as cassiterite, columbite-tantalite, gold, and wolframite, or derivatives of these minerals, including tin, tantalum and tungsten—are necessary to the functionality or production of that product.

The batteries we procure use lithium-ion technology, which depends heavily on cobalt, a rare earth mineral that has significant negative environmental and social impacts associated with its mining and production. As such, we are engaged in ongoing efforts with our suppliers to both reduce the amount of cobalt used in the batteries we procure, and we require our suppliers to prove that the cobalt they use was sustainably sourced.

As members of the Energy Storage Association (ESA), we play a leading role in efforts to develop industry best practices regarding the safety and sustainability of batteries. These include the [**U.S. Energy Storage Operational Safety Guidelines**](#), as well as a report on [**Lithium-Ion Fire and Thermal Event Safety**](#).

We are actively involved in the ESA's [**Corporate Responsibility Initiative**](#) (CRI), and along with many of our industry peers we signed the Corporate Responsibility Pledge in April 2019, signaling our intent to “engage in a good-faith effort to optimize performance, minimize risk and serve as an exemplary corporate citizen in the manufacturing, deployment, implementation and operation of energy storage projects across the United States.” In 2019, the CRI published its first product, the [**Energy Storage Corporate Responsibility Initiative Emergency Response Plan**](#). We also participate in the CRI Task Force, which works to establish best practices regarding potential operational hazards, end-of-life and recycling, and responsible supply chain practices.

In 2020, we will continue to work on battery recycling and end of life best practices, as well as the sustainability of the battery supply chain.





OUR PEOPLE

Clearway Energy Group LLC's workforce is made up of nearly 600 employees spread across six U.S. offices and our operating fleet locations. Our team offers a diverse range of experience, including longtime solar and wind industry leaders, engineers, project developers, investment specialists, and experts in environmental issues, permitting, interconnection, transmission, and power plant operations. Our subject matter experts specialize in identifying the key drivers of every project, and work closely with our customers, partners, affiliates, and community members to uphold our promise of superior quality and satisfaction.

We strive to create an inclusive environment considerate of all employees, and to nurture a culture that aligns with our values. We uphold fair employment practices and are committed to complying with all applicable laws pertaining to freedom of association, privacy, immigration, working time, wages and hours.

HEALTH AND SAFETY

STRIVING FOR A SAFE WORKPLACE

At Clearway Energy Group LLC, we are committed to the health and safety of our workforce and the communities in which we work. We constantly strive to be role models within our industry and encourage our employees to keep safety at the top of their mind. We are committed to maintaining a safe work environment and to creating an inclusive safety culture where safety is everyone's job.

2019 was the first full year of operations for Clearway, and our employees delivered strong safety performance with injury rates below industry averages. We continuously evaluate our approach to safety and make ongoing improvements to achieve top-decile safety performance.

SAFETY PERFORMANCE

2019 SAFETY PERFORMANCE

CLASSIFICATION	NUMBER	RATE (based on 200,000 hours worked)
Man-hours Worked	1,038,319	NA
Total OSHA Recordable Injuries ¹	8	1.54
Fatalities	0	0.00
Lost Time Injuries ²	2	0.39
Severity Rate ³	21	4.05
Restricted Duty ⁴	1	0.19
Days Away, Restricted Duty and Transfers (DART) ⁵	3	0.58
First Aid	23	NA

*Data represents both employees and contractors

1. The number of work-related injuries requiring more than first-aid treatment.
2. The number of work-related injuries that resulted in days away from work.
3. The number of days away from work per 100 employees as a result of a work-related injury.
4. The number of work-related injuries that resulted in job duty restrictions.
5. The number of work-related injuries that resulted in lost time, work restrictions or transfers.

HOW WE'RE IMPROVING OUR SAFETY PERFORMANCE

- We educate our employees on the applicable regulatory and company environmental health and safety (EHS) requirements as well as the elements of our Safety Management System.
- We perform job hazard assessments and pre-job briefings prior to each work activity to ensure risks are mitigated and that all members of the work party understand the job at hand.
- We conduct management-led field observations to improve the effectiveness of our field leaders by increasing field presence, coaching and mentoring of front-line workers and capturing data to improve safe work behaviors.
- Our Safety Management System captures information associated with all injury events, unsafe conditions and near misses. This information then drives a heightened level of safety responsibility and prevention among employees, supervisors and managers.
- We train employees on advanced incident investigation techniques and root cause identification. These investigations help to determine employee, management and system failures and then prompt the user to identify and assign appropriate corrective actions to prevent incident recurrence.
- We benefit from employee participation in our safety committees, which are made up of both frontline and supervisory employees that review and address our work-related risks and incidents.
- We train our employees in peer-to-peer coaching to successfully address unsafe behaviors before an injury, accident or near-miss occurs.

DIVERSITY AND EQUITY

At Clearway Energy Group LLC, we are committed to maintaining a workplace that acknowledges, encourages, and values diversity and inclusion. We believe that individual differences, experiences, and strengths enrich the culture and fabric of our organization. Having employees with backgrounds and orientations that reflect a variety of viewpoints and experiences also helps us to better understand the needs of our customers and the communities in which we operate. By leveraging the multitude of backgrounds and perspectives of our team and developing ongoing relationships with diverse vendors we achieve a collective strength that makes Clearway a better place to work and a better business partner for our customers and others with a stake in our success.

Teamwork and respect help ensure a safe, positive, professional work environment. At Clearway, we do not tolerate or engage in discrimination, harassment or bullying, including physical or verbal abuse, intimidation or threats, aggressive behavior, teasing or practical jokes.

Employees are encouraged to contact the Human Resources department, call the Clearway Ethics Helpline or file a report online via the Clearway Ethics Alertline website if any harassment, bullying, or discrimination in hiring, promotion, transfer, training, layoff, termination or compensation and benefits is experienced or witnessed. Speaking out about unkind, unfair or discriminatory treatment is a matter of living Clearway's core values of respect and exemplary leadership.





WELLNESS

We understand that for our team members, work is more than just a job, and wellness is more than just the absence of illness. We want our employees to feel fulfilled and energized about their roles and about Clearway Energy Group LLC's mission, and we offer a variety of ways to encourage and enhance employee wellness.

We offer a comprehensive range of health, dental, and vision benefits, along with access to the services of a health advocate, health savings accounts, flexible savings accounts, short- and long-term disability, life insurance, and supplemental coverage for accidents and critical illnesses. In addition, we offer a variety of other benefits that include grief counseling, estate planning, and dependent care, as well as parental leave, commuter benefits, pet insurance, and injury prevention training.

TALENT MANAGEMENT

At Clearway, we recognize that the success of our company depends on the strength of our team, and that their skills and knowledge are critical to our future. We are dedicated to growing and expanding the knowledge base of our employees and helping them develop professionally through both voluntary and assigned training opportunities.

We've developed a learning management system to assign and track training based on employee start date and annual training requirements to ensure all employees have the skills necessary to do their job and have opportunities to refresh those skills in a timely manner. **In 2019, our training department issued more than 26,500 learning assignments to our nearly 600 employees with a 95 percent completion rate.**

In keeping with our commitment to continuous improvement, we use annual surveys and input from our training committee to continue to adapt our training program to fit the needs of our customers and ensure compliance with regulatory agencies in areas such as safety, protecting the environment, legal and human resource issues, and technical topics. In addition, we offer a range of programs to enhance employees' skills in topics like management, leadership, and communication.



Frontline Leadership 1.0

This two-day program is designed for new or potential managers and covers topics that include leveraging your leadership style (DiSC), active listening, delegating and setting expectations, giving effective feedback, and coaching for performance. In 2019, 38 Clearway employees participated in the program.

Frontline Leadership 2.0

This program is intended to sharpen and expand the skill set of new managers, and involves third-party training on emotional intelligence, coaching and teambuilding, communicating with tact and diplomacy, and leading through change. In 2019, 29 Clearway employees participated in the program.

Plant Manager Development Program

This program is designed for new managers, supervisors, or anyone interested in moving to a management role. Each participant is assigned a mentor who takes them through several learning objectives to help them understand our operating principles, HR policies, and management responsibilities. In 2019, 20 Clearway employees (ten participants and ten mentors) took part in the program.

The Clearway Experience

Launched in 2019, the Clearway Experience is an internal conference in which a small group of individuals from all functional groups, offices and facilities come together in person to build connections. 55 employees participated in the 2019 Clearway Experience, including the 17-member leadership team. The leadership team gave presentations on Clearway's strategic goals, and the other attendees gave three roundtable presentations on a process, a product or a cultural improvement idea. We are currently working to implement some of the ideas that emerged from the roundtables, including a volunteer days program, an adopt-a-school program, and training on advanced features of software programs like Teams, Outlook and Zoom. We look forward to the 2020 Clearway Experience, which is scheduled for October.





CORPORATE CITIZENSHIP AND COMMUNITY ENGAGEMENT

The communities around our wind and solar facilities comprise one of our most important stakeholder groups, and as good corporate citizens, we are committed to help them thrive. We undertake a wide range of efforts and programs to give back to our host communities, and we prioritize their safety in the conduct of our operations. In 2019, we had no incidents that resulted in significant negative impacts to local communities.

Clearway Energy Group LLC is committed to being a good neighbor in the places where we live, work, develop and operate projects. It's important to us that our presence is viewed as beneficial to the fabric of the community, and so we engage in a wide variety of outreach activities. We don't have a "one size fits all" approach to community engagement—instead, we take the time to learn what makes each community unique and find ways we can have a positive impact.

The development of a new wind or solar project is a multi-layered process with many opportunities for input from community members and other stakeholders. In addition to federal siting and permitting requirements, most states and many localities have their own requests and procedures, which we usually go well beyond.

We welcome input on the location and design of our projects. We provide public notice of our plans, reach out to local elected officials and community leaders, and host open houses and public information sessions to give everyone the opportunity to join the conversation. If this extended dialogue reveals deeper concerns about a proposed project, we proactively seek to learn more about the source of the concerns so we can find ways to address it.

We strive to contribute to the economic and social health and vibrancy of the communities that host our projects. In addition to participating in community events, and supporting local agricultural, environmental, educational, and community development causes, we also prioritize hiring locally and using local or regional businesses when possible.



WRITING THE FUTURE – CLEARWAY COMMUNITY SOLAR ESSAY CONTEST

In 2019, Clearway Community Solar launched an essay contest for college students that asked applicants to write about ways to increase the contribution of renewable energy to the nation's energy production. A diverse group of college students from across the country submitted essays. The first-place winner received \$5,000 for use toward college expenses, and the second-place winner received \$2,500. [Click here](#) to learn more about the winners and read their essays!

SHARING THE GIFT OF (PORTABLE SOLAR) LIGHT

Luci® solar lights are making a difference for millions of people around the world. Made by **MPOWERD®**, these portable, sustainably-made solar lights bring comfort and safety to people who lack access to reliable energy sources.

In 2019, Clearway Energy Group LLC partnered with MPOWERD to deliver 250 solar-powered Luci lights to the Bahamas following Hurricane Dorian. The inflatable, waterproof, and highly durable Luci lights supported aid workers and families who were without power. Clearway was part of a larger effort that brought over 10,000 Luci lights to the impacted region.



We also donated 400 Luci lights to people in need in Myanmar through World Vision International's **ENRICH program** as well as to homeless Americans through **Project I Am**.

COMMUNITY SOLAR IN NEW YORK STATE

In early 2019, Clearway Community Solar partnered with the **Hudson Valley Community Supported Agriculture (CSA) Coalition** to underwrite a fund designed to further CSA programming and begin development and research on a CSA offer for low-income families in the region. Clearway's commitment to the CSA Coalition was designed to support the Coalition's high priority projects and additionally aid exploratory planning to make CSA shares more accessible to low-income households.

Clearway Community Solar also took an important step forward in increasing access to solar to customers, with two of its Hudson Valley solar farms dedicating subscriptions to the groundbreaking "Solar for All" program, providing community solar farm subscriptions to low-income households. Administered by the **New York State Energy Research and Development Authority** (NYSERDA), the **"Solar for All" program** offers eligible low-income households the opportunity to subscribe to a community solar project in their area without any upfront costs or fees. Two of Clearway's first community solar projects in the **Hudson Valley**, the Crans Mill and Underhill solar farms, will be supporting the program.



PINNACLE WIND FARM – PITCHING IN AND GIVING BACK

After a fire destroyed the football field house at Petersburg High School in West Virginia last November, staff from Clearway Energy Group LLC's nearby Pinnacle Wind Farm joined forces with other local organizations to donate funds to help the team replace the gear and equipment lost in the flames.

Clearway's employee-led contributions illustrate our commitment to the sustainability of the places where we work and live. For example, membership in local civic and business organizations helps us be an active participant in communities where we operate, and in early 2019 we hosted a tour of the Pinnacle facility for local county commissioners and state lawmakers so they could learn about the ways in which wind farms benefit the local environment and economy.

We also focus on education. Staff at Pinnacle welcome students to shadow them and learn about what it's like to work at a wind farm. This provides valuable learning and professional development opportunities for area youth, while helping us maintain an open line of communication with community members.

Clearway wind turbine technicians are also frequent guest speakers at Eastern West Virginia Community & Technical College, which offers a wind tech training program that helped train some of Clearway's own employees.

At the heart of Pinnacle's community efforts is its Community Benefit Fund, which has contributed \$213,775 to projects that benefit the local community over its eight-year life.

In 2019, it **contributed \$22,250 in funding** to local projects through a grant program administered by the US Wind Force Foundation. Eighteen grants ranging from \$250 to \$3,000 were awarded to projects that include the renovation and repair of several local buildings, computer equipment, and support for education.



Located in Keyser, West Virginia, the Pinnacle Wind Farm is a 55.2 MW project that has been in operation since 2012.

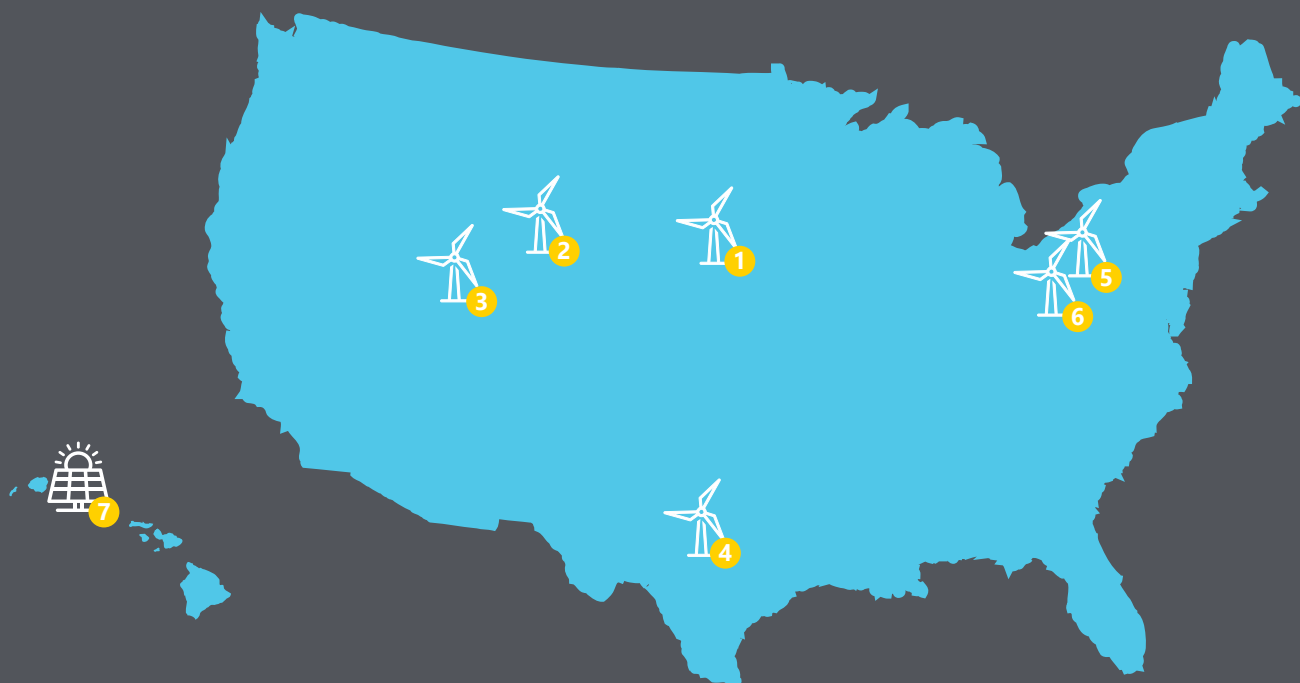


EDUCATION PARTNERSHIPS

Across the country, Clearway Energy Group LLC's project site teams are involved in both formal and informal community and education partnerships. In 2019, operations and maintenance staff at several of our wind and solar farms organized and participated in a series of educational activities:

1. **Elkhorn Ridge & Crofton Bluffs, Bloomfield, NE**—Sponsored county fair events and hosted multiple site tours. Delivered presentation on wind energy to local students.
2. **Mountain Wind, Fort Bridger, WY**—Hosted multiple onsite tours with various local schools and organizations from Utah and Idaho.
3. **Spanish Fork, Spanish Fork, UT**—Hosted multiple onsite tours with various local schools and organizations from Utah and Idaho.
4. **South Trent Wind, Sweetwater, TX**—Donated to a local performing arts organization to support student art programs.
5. **Lookout Wind, Berlin, PA**—Sponsored a community fair event; displayed a model wind turbine and demonstrated safety equipment for local students.
6. **Pinnacle Wind, Keyser, WV**—Onsite staff presented to wind program students on wind industry jobs, safety, and training, and then gave a site tour.
7. **Kawailoa Solar, Oahu, HI**—Launched a comprehensive internship program with Kamehameha Schools to provide hands-on job experience in engineering, development, and operations.

In 2020, Clearway will formally expand these activities with the launch of its Adopt-a-School program, under which every utility-scale project site we own and operate will adopt one or more schools and participate in three activities that support education or community service annually.



THE FUTURE OF SUSTAINABILITY AT CLEARWAY

THE ROAD AHEAD

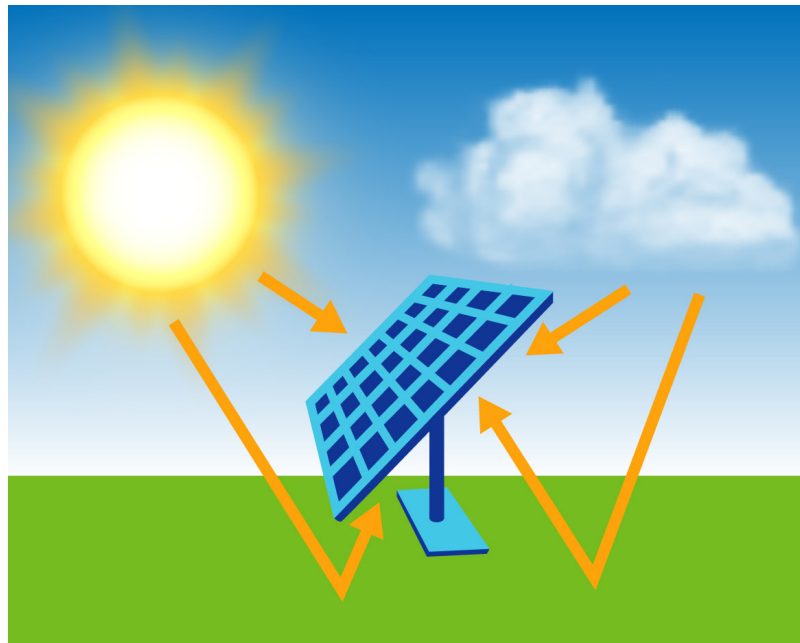
As a young company, we are still in the process of developing our sustainability framework. In 2020 and beyond, we look forward to building on the solid foundation we've established and improving our procedures to enhance our governance practices and more fully account for our environmental and social impacts.

As the renewable energy industry continues to grow and evolve, bringing advances in both technology and the marketplace, managing technological risk is a core element of our sustainability strategy. In keeping with our commitment to be an industry leader and provide our customers with cutting-edge solutions, we strive to be at the forefront of such changes. We actively track trends and technological advancements that have the potential to reduce costs and boost the performance and reliability of our wind and solar facilities. This helps ensure that we're positioned to leverage innovations that can impact our industry.

INNOVATIVE TECHNOLOGY: BIFACIAL SOLAR PV

One example of technological innovation we're actively embracing is bifacial photovoltaics (PV). A bifacial PV system utilizes modules that are able to accept light from both the front and rear faces of a solar panel, including light reflected off the ground, diffuse light from the sky, direct sunlight, and light reflected from adjacent rows of panels.

Bifacial solar offers many advantages over traditional solar modules. Because power is produced from both sides of the panels, total energy generation is boosted, sometimes by as much as 10 percent. This increased production capacity can make it possible to reduce the footprint of a solar array if needed, and when combined with bifacial solar modules' improved durability, can help reduce the effective cost of generated electricity. Adopting technological advancements aligns with our commitment to increase the production of clean, renewable energy while helping to drive down its cost.



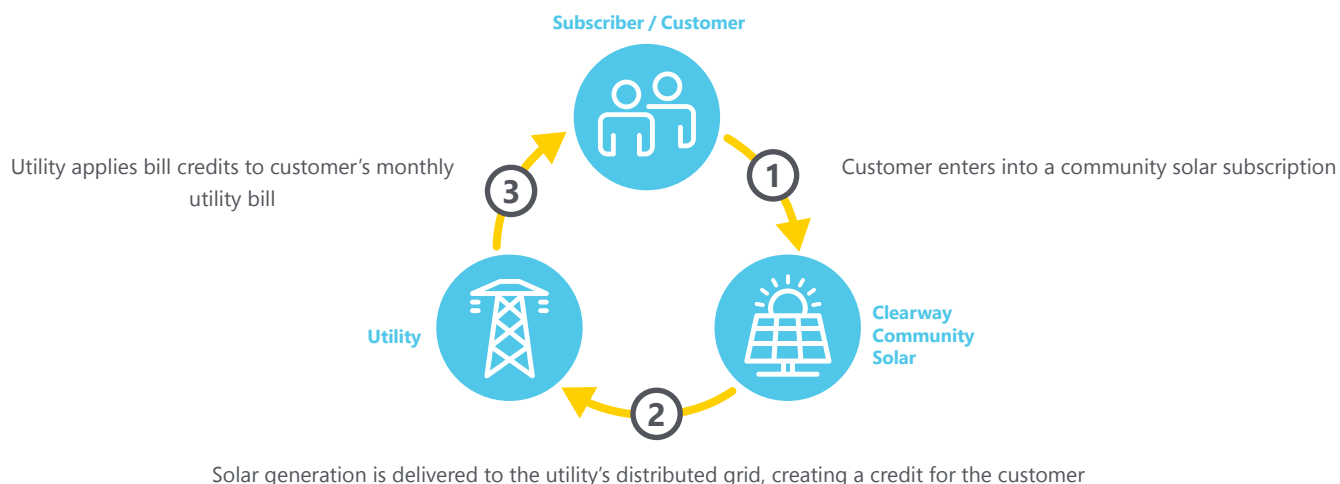
INNOVATIVE CONTRACT STRUCTURES

At Clearway Energy Group LLC, we're focused on increasing the amount of electricity our nation produces from clean, renewable resources. One of the ways we're doing this is by making it easier for our customers to meet their goals by providing options like virtual power purchase agreements and community solar subscriptions in addition to physical power purchase agreements. Under all of these types of contracts, our customers purchase both the electricity generated by our renewable energy assets, as well as the associated environmental attributes (typically referred to as renewable energy credits or RECs), which include things like avoided emissions and other environmental benefits.

COMMUNITY SOLAR SUBSCRIPTIONS

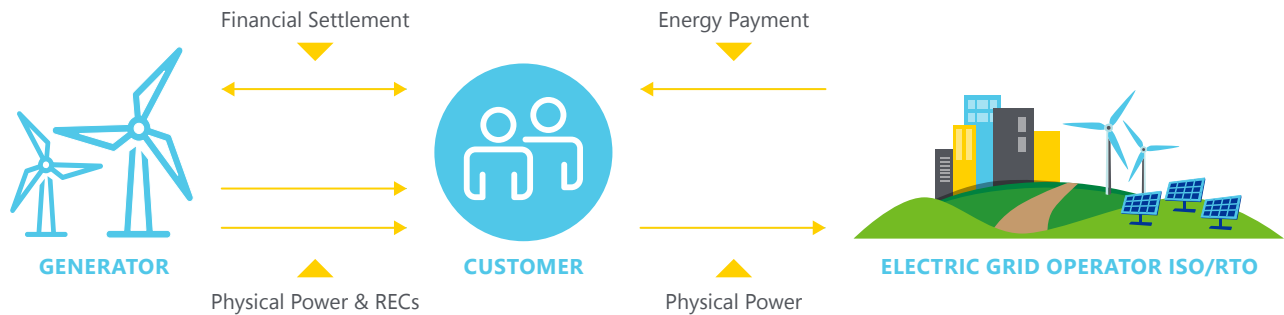
Clearway Community Solar projects offer universal access to the benefits of solar to residents, businesses, schools, hospitals and municipalities—no roof required. Our program makes supporting renewable energy easy and practical. We create power in numbers by pooling a community of customers to make locally produced solar energy a reality.

Community solar allows customers to participate in bringing additional renewable energy to the local utility grid. Customers enter into a subscription to a specific community solar project within the same utility service territory as the customer's load.



PHYSICAL POWER PURCHASE AGREEMENTS (PPAs)

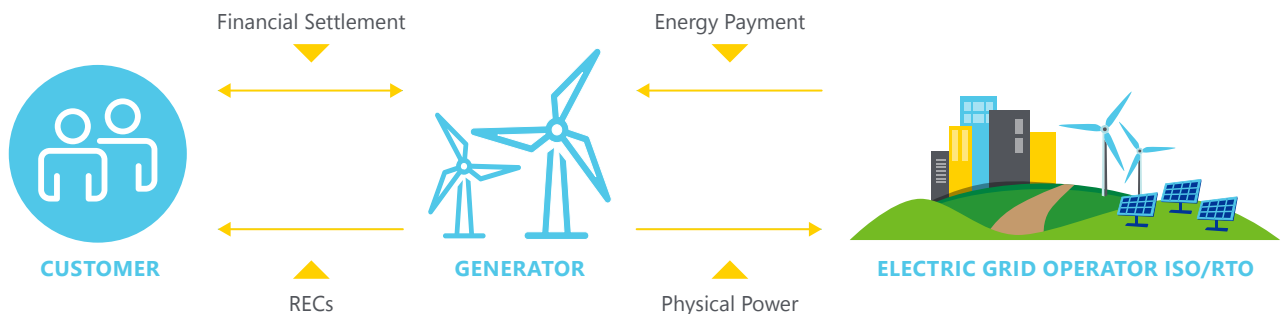
Under a traditional wholesale or physical PPA, a customer contracts to purchase power from a specific generation asset. Physical PPAs enable our wholesale customers to achieve their renewable energy procurement goals as outlined within the renewable portfolio standards set forth by states as well as the requirements established by integrated resource plans for investor-owned utilities, municipal utilities, cooperatives, community choice aggregators, and competitive retail providers. As of 2019, Clearway has executed over 50 unique wholesale PPAs.



VIRTUAL POWER PURCHASE AGREEMENTS (VPPAs)

Many organizations have committed to reducing their carbon footprints through the purchase of emission-free renewable energy. Innovative contracting structures like virtual power purchase agreements (VPPAs) are key to making this possible.

VPPAs are a type of contract in which the buyer purchases all the benefits associated with renewable energy generation from a specific facility without taking physical delivery of the power. VPPAs offer a flexible contracting option for large corporations and government entities. Companies and municipalities with smaller electricity demand can also take advantage of the economies of scale offered by large solar and wind projects by aggregating their buying power through a VPPA.



ACKNOWLEDGMENTS

This effort wouldn't have been possible without the commitment of our passionate employees. The following individuals played a role in providing information and data, developing and shaping Clearway Energy Group LLC's 2019 Sustainability Report.

Aimee Epstein

Director, Development Strategy and Operations

Akil Marsh

Clearway Energy, Inc.
Manager, Investor Relations

Breck Sacra

Manager, Environmental

Brian Dawson

RENOM Training Manager

Christina Moore

Senior Counsel, Consumer Retail

Dan Quinn

Operations Director

Daniel Dedrick

Director, Systems Integration

Dario Abramskieh

Senior Analyst, Portfolio Management

Doug Vance

Wind Site Manager

Guillermo Robles

Director, Wind Engineering

Hayley Tabuena

Senior Manager, Procurement

Jackie Effenson

Senior Manager, Sales & Retention

James Idzorek

Clearway Energy, Inc.
Environmental Manager

Jeffrey Court

Director, Safety & Training

Jennifer Hein

General Counsel

Kassie Barrett

Director, Strategic Marketing

Logan Granger

VP, Engineering and Development Services

Mark Gibala

Applications Architect

Michael Brown

Clearway Energy, Inc.
Assistant General Counsel and Assistant Corp Secretary

Michael Spina

Operations Coordinator

Mike Barker

Director, Credit and Risk

Mitch Samuelian

VP, Operations and Maintenance

Monique Menconi

VP, Asset Management

Moustafa Abdou

Wind Engineer,
Pre-Construction Planning

Patrick Sullivan

VP, Development

Ray Kelly

Director, Permitting and Environmental

Ray Long

SVP, External Affairs

Ross Heiman

Senior Director, Engineering

Ryan Scalise

Manager, Wholesale Origination

Sarah Spector

Associate, Origination

Scott Stephens

Head of Technology

Sheila Maguire

Safety Specialist

Stacy Colby King

VP, Human Resources

Tyler Moore

Manager, Real-Time Operations

Valerie Wooley

VP, Origination

Vanessa Moran

Senior Director, Human Resources

Zadie Oleksiw

Senior Manager, Communications



APPENDIX

FORWARD-LOOKING STATEMENTS

SAFE HARBOR

Clearway Energy Group LLC's 2019 sustainability report contains forward-looking statements regarding the intentions, beliefs, expectations or predictions for the future held by the company's management. Such forward-looking statements are subject to certain risks, uncertainties and assumptions, and typically can be identified by the use of words such as "will," "expect," "estimate," "anticipate," "forecast," "plan," "believe" and similar terms. Although Clearway Energy Group LLC believes that the expectations of its management are reasonable, it can give no assurance that these expectations will prove to have been correct, and actual results may vary materially. Clearway Energy Group LLC undertakes no obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise.

GLOBAL REPORTING INITIATIVE (GRI) INDEX

This report was prepared using the 2016 GRI disclosures as a guide, but it is not in accordance with the GRI reporting standards.

GENERAL DISCLOSURES

STANDARD NUMBER	DESCRIPTION	PAGE	RESPONSE
ORGANIZATIONAL			
102-1	Name of the organization	9	Clearway Energy Group LLC
102-2	Activities, brands, products, and services	9	About Our Company
102-3	Location of headquarters	9	San Francisco, CA
102-4	Location of operations	9	United States
102-5	Ownership and legal form	9	Privately-held LLC
102-6	Markets served	9	About Our Company
102-7	Scale of the organization	9	About Our Company
102-8	Information on employees and other workers	39	Our People
102-9	Description of supply chain	37-38	Supply Chain
102-10	Significant changes to the organization and its supply chain	37	Supply Chain
102-12	External initiatives	25 32 38	Trade Association Memberships Biodiversity Supply Chain
102-13	Membership in associations	25 32 38	Trade Association Memberships Biodiversity Supply Chain
STRATEGY			
102-14	Statement from senior decision-maker	4	Message From Our CEO
ETHICS & INTEGRITY			
102-16	Values, principles, standards, and norms of behavior	10	Vision, Mission, and Values
102-17	Mechanisms for advice and concerns about ethics	27	Ethics and Accountability
GOVERNANCE			
102-18	Governance structure	27-28	Governance
102-20	Executive-level responsibility for economic, environmental, and social topics	27-28	Board of Directors

STANDARD NUMBER	DESCRIPTION	PAGE	RESPONSE
102-23	Chair of the highest governance body	27	Jonathan Bram Governance
102-25	Conflicts of interest	29	Conflicts of Interest
102-26	Role of highest governance body in setting purpose, values, and strategy	27	Board of Directors
102-32	Highest governance body's role in sustainability reporting	27	Board of Directors
102-33	Communicating critical concerns	28	Risk Management
STAKEHOLDER ENGAGEMENT			
102-40	List of stakeholder groups	36	Stakeholder Engagement
102-43	Approach to stakeholder engagement	36-37	Stakeholder Engagement
REPORTING PRACTICE			
102-46	Report content and topic boundaries	7	Materiality Assessment
102-47	List of material topics	7	Materiality Assessment
102-48	Restatements of information	6	About This Report
102-49	Changes in reporting	6	About This Report
102-50	Reporting period	6	Calendar year 2019
102-51	Date of most recent report	6	Not applicable
102-52	Reporting cycle	6	Annual
102-53	Contact point for questions regarding the report	6	Zadie Oleksiw, Senior Manager, Communications zadie.oleksiw@clearwayenergy.com
102-55	GRI content index	53	
102-56	External assurance	6	About This Report
EU1	Installed capacity, broken down by primary energy source and by regulatory regime	8	1.2 GW of utility-scale solar, 2.8 GW of utility-scale wind, and 300+ MW of community solar and distributed solar, all in the United States.

SPECIFIC STANDARD DISCLOSURES

STANDARD NUMBER	DESCRIPTION	PAGE	RESPONSE
EU SECTOR TOPIC: AVAILABILITY AND RELIABILITY			
EU10	Planned capacity against projected electricity demand over the long term, broken down by energy source and regulatory regime	13 16	Clearway Energy Group LLC has a 9 GW development pipeline of wind, solar, and energy storage projects. In 2019, we closed power purchase agreements for just over 1 GW of future projects. A Trend of Sustainable Growth Clearway Energy Group LLC's Development Pipeline
INDIRECT ECONOMIC IMPACTS			
203-2	Significant indirect economic impacts	36	In 2019, the wind and solar facilities owned and operated by Clearway Energy Group LLC contributed \$35.9 million in property taxes and \$10.8 million in landowner payments to their host communities. Stakeholder Engagement
ANTI-CORRUPTION			
205-1	Operations assessed for risks related to corruption	28	Risk Management
205-2	Communication and training about anti-corruption policies and procedures	28	Risk Management
205-3	Confirmed incidents of corruption and actions taken	28	None. Risk Management
ANTI-COMPETITIVE BEHAVIOR			
206-1	Legal actions for anti-competitive behavior, anti-trust, and monopoly practices	28	None. Competition and Antitrust
WATER & EFFLUENTS			
303-1	Interactions with water as a shared resource	31	Water
303-2	Management of water discharge-related impacts	31	Water
303-4	Water discharge	31	None. Water
303-5	Water consumption	31	Water
BIODIVERSITY			
304-1	Operational sites owned, leased, managed in, or adjacent to, protected areas and areas of high biodiversity value outside protected areas	32-35	Biodiversity
304-2	Significant impacts of activities, products, and services on biodiversity	32-35	Biodiversity
304-3	Habitats protected or restored	32-35	Biodiversity

STANDARD NUMBER	DESCRIPTION	PAGE	RESPONSE
304-4	IUCN Red List species and national conservation list species with habitats in areas affected by operations, by level of extinction risk		California condor (<i>Gymnogyps californianus</i>) – Endangered Golden Eagle (<i>Aquila chrysaetos</i>) – Bald and Golden Eagle Protection Act Bald eagle (<i>Haliaeetus leucocephalus</i>) – Bald and Golden Eagle Protection Act Whooping crane (<i>Grus americana</i>) – Endangered Indiana bat (<i>Myotis sodalis</i>) – Endangered Tricolored bat (<i>Perimyotis subflavus</i>) – Under Review Giant kangaroo rat (<i>Dipodomys ingens</i>) – Endangered San Joaquin kit fox (<i>Vulpes macrotis mutica</i>) – Endangered Utah prairie dog (<i>Cynomys parvidens</i>) – Threatened
WASTE			
306-2	Waste by type and disposal method	32	Waste
306-3	Significant spills	32	None. Waste
306-4	Transport of hazardous waste	32	None. Waste
ENVIRONMENTAL COMPLIANCE			
307-1	Non-compliance with environmental laws and regulations	31	None. Environment Over Production
SUPPLIER SOCIAL ASSESSMENT			
308-1	Percentage of new suppliers that were screened using environmental criteria	37	100 percent. Supplier Requirements and Obligations
OCCUPATIONAL HEALTH & SAFETY			
403-9	Types of injury and rates of injury, occupational diseases, lost days, and absenteeism, and number of work-related fatalities	40	Safety Performance
EU-LA6	Report on health and safety performance of contractors & subcontractors working onsite or on behalf of the reporting organization offsite	40	Safety Performance
TRAINING & EDUCATION			
404-2	Programs for upgrading employee skills and transition assistance programs	30 42-43	Clearway Energy Group LLC's Environmental Training Program Talent Management
EU DMA	Programs to ensure availability of skilled workforce	30 42-43	Clearway Energy Group LLC's Environmental Training Program Talent Management

STANDARD NUMBER	DESCRIPTION	PAGE	RESPONSE
LOCAL COMMUNITIES			
413-1	Operations with local community engagement, impact assessments, and development programs	37 44	Local Communities Corporate Citizenship and Community Engagement
413-2	Operations with significant actual and potential negative impacts on local communities	44	None. Local Communities
SUPPLIER SOCIAL ASSESSMENT			
414-1	New suppliers that were screened using social criteria	37	100 percent. Supplier Requirements and Obligations
414-2	Negative social impacts in the supply chain and actions taken	37	Supplier Requirements and Obligations
CUSTOMER PRIVACY			
418-1	Substantiated complaints concerning breaches of customer privacy and losses of data	29	None. Data Privacy
SOCIOECONOMIC COMPLIANCE			
419-1	Non-compliance with laws and regulations in the social and economic area	8	None. Sustainability at Clearway Energy Group LLC

SUSTAINABILITY ACCOUNTING STANDARDS BOARD (SASB) INDEX

CODE	TOPIC	DESCRIPTION	PAGE	RESPONSE
RR-WT-440a.1	Materials	Description of the management of risks associated with the use of critical materials	37-38	Supply Chain
RR-ST-160a.1	Biodiversity	Number and duration of project delays related to ecological impacts	29	None. Assessing Our Impacts
RR-ST-150a.1	Waste	Amount of hazardous waste generated, percentage recycled	32	None. Waste
RR-ST-150a.2	Waste	Number and aggregate quantity of reportable spills, quantity recovered	32	None. Waste
RR-WT-410a.3	Local Communities	Description of efforts to address ecological and community impacts of wind energy production through turbine design	29	Assessing Our Impacts
RR-ST-160a.2	Local Communities	Description of efforts in solar energy system project development to address community and ecological impacts	29	Assessing Our Impacts

PHOTOS

Front Cover	The 49 MW Kawaihoa solar facility, Oahu, HI
Pg. 3	The 45.9 MW Waipio solar facility, Oahu, HI
Pg. 6	The 21 MW Crosswinds wind facility, Ruthven, IA
Pg. 10	The 150 MW Cedro Hill wind facility, Bruni, TX
Pg. 14	The 6.14 MW Dodge community solar facility, Kasson, MN
Pg. 15	The 26 MW Borrego solar facility, Borrego Springs, CA
Pg. 17	The 55.2 MW Pinnacle wind facility, Keyser, WV
Pg. 18	The 290 MW Agua Caliente solar facility, Dateland, AZ
Pg. 19	The 6.5 MW Forest Lake community solar facility, Scandia, MN
Pg. 20	Hawaiian blessing at Kawaihoa
Pg. 21	The 419 MW Mesquite Star Wind Farm, Fischer County, TX
Pg. 22	The 1.28 MW Spencer Road community solar facility, Spencer, MA
Pg. 23	The 121.9 MW Elbow Creek wind facility, Big Spring, TX
Pg. 24	The 6.7 MW Highway 14 community solar facility, Byron, MN
Pg. 26	The 150 MW Langford wind facility, Christoval, TX
Pg. 29	The 290 MW Agua Caliente solar facility, Dateland, AZ
Pg. 32	The 26.5 MW Avra Valley solar facility, Marana, AZ
Pg. 33	California hoary bat, <i>Lasiurus cinereus</i> - Dr. Dave Johnson, HT Harvey & Associates
Pg. 38	The 290 MW Agua Caliente solar facility, Dateland, AZ
Pg. 39	The 947 MW Alta wind facility, Mojave, CA
Pg. 43	The 947 MW Alta wind facility, Mojave, CA
	The 20 MW TA-High Desert solar facility, Lancaster, CA
Pg. 44	The Knodel family at the Washington state fair
Pg. 46	The 55.2 MW Pinnacle wind facility, Keyser, WV
Pg. 48	The 94.5 MW Sleeping Bear wind facility, Woodward, OK
Pg. 49	The 1.28 MW Spencer Road community solar facility, Spencer, MA
Pg. 52	The 18.9 MW Spanish Fork wind facility, Spanish Fork, UT
Back Cover	The 150 MW Langford wind facility, Christoval, TX



Clearway

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