

SOLAR POWER IN YOUR COMMUNITY

Solar photovoltaic (PV) technology is a proven source of reliable, affordable clean energy. **Clearway** develops, owns, and operates solar projects across the U.S. Below are some common questions about solar projects.

HOW DOES SOLAR ENERGY WORK?

Solar PV panels capture the sun's energy and convert it into electricity. Panels generate direct current (DC) electricity, which then flows through an inverter that will convert the electricity into alternating current (AC) so that it can be fed into the electric grid.





WHAT ARE THE PUBLIC HEALTH AND ENVIRONMENTAL BENEFITS OF SOLAR ENERGY?

Protecting the health of our children and our communities starts with the air we breathe and the water we drink. Solar energy is one of the cleanest energy sources because,

unlike fossil fuels, generating solar electricity does not emit air pollutants, greenhouse gas emissions, wastewater, or toxic byproducts.

HOW ARE SOLAR PROJECTS PLANNED AND SITED?

When choosing a location for a solar project, Clearway considers several factors including:

- Existing site features
- Surrounding land uses
- Potential for impacts to wildlife and protected habitat
- Access to the electrical grid

Throughout the siting process, Clearway works with local, state, and federal agencies to ensure projects comply with regional plans, zoning laws, and

resource conservation requirements.

We also actively engage with
community stakeholders to
understand and address concerns
with the project.

HOW DOES SOLAR ENERGY BENEFIT LOCAL ECONOMIES?

Solar projects will create jobs and bring in tax revenue and local investment that car benefit local organizations such as schools, fire districts, and parks.



Fastest-Growing Workforce

250,000 Americans across all 50 states were employed by the solar energy industry as of 2019. In the last five years, solar jobs grew five times faster than the job growth of the overall U.S. economy, <u>Solar Foundation</u> (2019). We're proud to play a role in America's clean energy workforce.

For example: Clearway's **192 MW** Rosamond Central project in California will

create about 600 jobs during construction and several permanent jobs, while the average 2 MW community solar project we build in Massachusetts creates around 70 jobs during construction.



Economic Impact

Solar projects generate millions of dollars in tax revenue over the multi-decade life of the project. Solar projects also need materials and services during construction and into operations, resulting in significant local spending in communities. In 2019 alone, the solar industry generated \$18.7 billion of investment in the American economy. National Solar Jobs Census 2019, Solar Foundation.



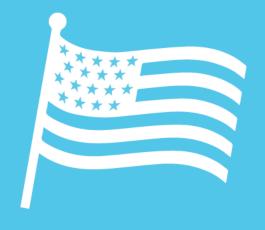
Low-Cost

The cost of solar energy has plummeted in recent years, and today it is more cost-effective to build than any other source of power.¹



Americans Love It

9 out of 10 Americans support the growth of solar energy in order to help lower costs and address environmental concerns. This includes strong bipartisan support for expanding solar energy and advancing policies that support accelerating renewable energy development, Pew Research (2020)







SOLAR ENERGY:

America's Reliable & Affordable Power Source

SOLAR ENERGY has been around for decades and is a proven source of reliable, affordable clean power. Clearway develops, owns, and operates solar projects across the US.



Solar technologies convert sunlight into electrical energy that can be put on the power grid or stored in batteries and used later when more power is needed. Clearway builds solar farms, often accompanied by battery storage, that harness this energy on a large scale to feed into the local grid.



How do solar farms benefit the local economy?

Solar farms create tax revenue that can benefit public institutions such as schools, fire departments, and hospitals.

Solar energy projects:



Contribute an estimated \$686 million in state and local taxes and land-lease payments annually¹



Create well-paying jobs for over 255,000 Americans work in the solar industry



Are a major economic investment in local communities, representing nearly \$151 billion in spending nationwide²



Serve as an additional source of revenue for local landowners, including farmers and ranchers³

How are solar farms planned and sited?

When choosing a location for a solar farm, Clearway considers several factors, including consistency of the sunlight, surrounding landscape, environmental impacts, and access to the electrical grid. Sites are selected, designed, and managed to minimize impacts to local wildlife, wildlife habitat, and soil and water resources. Clearway also goes through extensive surveys and biological monitoring processes to ensure any species that call the area home are protected.

Clearway's solar footprint



Clearway is one of the largest owner-operators of solar projects across the United States, with just over **2 GW** of solar in operation

and an extensive pipeline of projects in development and construction in 20 states. Solar is one of the fastest-growing energy sources around and is helping secure national energy independence and power a thriving economy.

Health and environmental impact



Solar energy is one of the cleanest energy sources, emitting no air pollutants or emissions. With no negative impact on air quality and

minimal water use, the transition to solar energy can create a cleaner and healthier local environment for surrounding communities. Clearway is closely involved in the construction process and enforces best practices for minimizing any disturbances during the process. Once operating, a solar energy farm is the ideal neighbor: quiet, discreet, and innocuous for the local environment.

America's energy independence



Renewable energy is an infinite source of reliable domestic power. With no fuel to import or pay for, American solar energy is

a stable form of power that keeps those energy operations, investments, and jobs right here at home.

- 1 https://cleanpower.org/facts/solar-power/
- 2 https://www.seia.org/research-resources/solar-data-cheat-sheet
- https://cleanpower.org/facts/solar-power
- 4 https://www.energy.gov/eere/solar/solar-energy-wildlife-and-environment#~text As%20a%20renewable%20source%20of,water%20use%20 from%20energy%20production
- 5 https://www.clearwayenergygroup.com/wp-content/uploads/2022/03/2021 Clearway-ESG-Report.pdf



SOLAR SOLAR SOLAR

BALLARD COUNTY, KY



Up to 104 MW of clean reliable solar energy



Local Landowners leasing privately-owned land, creating long-term, steady revenue



Community Benefits
hundreds of construction
jobs, up to 5 permanent
operational jobs, and other
direct and indirect economic
benefits



22,000+ homes powered and avoided emissions



Economic Investment
expected ~\$160 million total
investment, and ~\$3.3 million
generated over the life of project
in PILOT and other new taxes



Located north of Wickliffe Rd / east of Hinkleville Rd in Ballard Co, KY



This map depicts a preliminary project footprint area and is subject to change

Song Sparrow Solar is a solar energy project in south-central Ballard County, located 5 miles southeast of La Center. Song Sparrow will provide reliable economic and local community benefits throughout the life of the project, while bolstering the regional economy and bringing clean energy to the local power grid. Construction is anticipated to start in 2026.

Clearway Energy Group is one of the largest owneroperators of renewable energy projects in the United States, specializing in the development, financing, construction and operation of utility-scale solar projects.

Serving Citizens Where We Work

Clearway is proud to be a force for good in the communities where we work and build on our reputation as a responsible, committed, and invested long-term neighbor.

EDUCATIONAL PARTNERSHIPS

Clearway's operations & maintenance team established ongoing partnerships with K-12 schools through the **Adopt-A-School Program** to introduce students to renewable energy.

Activities include tours of our wind and solar farms, demonstrations at career fairs and school assemblies, and support for student-led clubs.









DIRECT DONATIONS

We are proud to donate to local causes within the communities where we work, including the Adam's County Combine Derby in WA, shelter drives in Sweetwater, TX, the American Red Cross California Wildfire Fund, and the Community Benefit Fund at our WV Pinnacle wind farm in support of local schools, hospitals, parks, and more. We also support national organizations such as GRID Alternatives, Climate Ride, and Open Doors Outdoors, an organization dedicated to introducing veterans to the outdoors.

VOLUNTEER WORK

Whether building beds for fire victims in Sonoma County, teaming up with **Toys For Tots** and **St. Mary's Food Bank** in Phoenix, installing rooftop solar on low-income housing in the Central Valley, or caring for man's best friend at **Family Dog Rescue** in the Bay, our teams dedicate time throughout the year to support the organizations that help our communities thrive.









INTERNSHIP PROGRAMS

Clearway launched a comprehensive internship program with Kamehameha Schools, the landowner of our solar projects in Hawaii, providing hands-on job experience in engineering, development, and operations. We are excited to continue building upon our inaugural internship program.



POWERING THE Clearway CLEAN ENERGY ECONOMY

The clean energy industry creates thousands of good-paying jobs, drives significant local economic development, and supports a robust supply chain across the country. Clearway is proud to play a leading role in America's renewable energy growth.

LOCAL INVESTMENT

115 MW Black Rock Wind Farm, WV

complete, our Black Rock Wind Farm will be the In total, the wind site will **contribute \$14.7 million** through state and local taxes and a further \$50,000 a year through community donations.



Union Construction Jobs: 200



Homes Powered: 52.946



State & Local Tax Revenue: \$14,700,000/year



CO₂ Equivalent: 67,562 cars avoided/year







AMERICAN SUPPLY CHAIN

160 MW Rattlesnake Flats Wind Farm, WA

Renewable energy boasts a robust domestic supply chain to manufacture many of the components that go in to solar and wind projects. Many of our wind sites, including our Rattlesnake Flat Wind Farm, depend on an extensive American supply chain, including steel foundation reinforcing and components made in Kansas, Wisconsin and Iowa.

UNION JOBS

190 MW Rosamond Central, CA

As we work toward our vision of a world powered by clean energy, unions play an important role building and maintaining many of our energy sites. Like many of our solar and wind sites across the country, our Rosamond Central Solar project was made possible by more than 600 union laborers during construction.



Union Construction Jobs: 600



Powered: 70.314



State & Local Tax Revenue: \$5,000,000/year



CO₂ Equivalent: 90,000 cars avoided/year



Community Donations: \$250,000



Economic Investment: \$300,000,000



Union Construction Jobs: 250



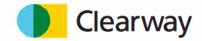
State & Local Tax Revenue: \$700,000/year CO₂ Equivalent: 71.847 cars avoided/year



Powered: 38,000



Economic Investment: \$12,000,000



June 21, 2022

Leading US Solar Companies Announce Consortium to Spend Over \$6bn on Solar Modules and Support Expansion of Domestic Supply Chain

AES, Clearway Energy Group, Cypress Creek Renewables, and D. E. Shaw Renewable Investments form buying consortium to purchase over 6 GW of crystalline silicon solar modules annually to encourage the rapid scaling of domestic solar manufacturing in the United States

Leading independent power producers, The AES Corporation (NYSE: AES), Clearway Energy Group (Clearway), Cypress Creek Renewables, and D. E. Shaw Renewable Investments (DESRI), have formed the US Solar Buyer Consortium to support expansion of the domestic solar supply chain and drive the growth of the American solar industry.

Increasing solar energy deployment is essential to achieving net-zero emissions by 2050 and limiting global temperature rise to 1.5° C. While the White House's recently announced 24-month bridge for certain solar imports and actions to support domestic manufacturing are a large step towards addressing supply chain challenges, the consortium recognizes that more needs to be done to build upon the industry's progress towards providing lower-cost, reliable, clean power to American families and businesses.

"Today's announcement from our consortium is another meaningful step toward bolstering America's solar supply chain," said Craig Cornelius, CEO of Clearway Energy Group. "By enacting legislation pending before Congress, policymakers can enable our consortium's goal to broaden the range of products we use from American sources and increase our domestic solar manufacturing workforce. We look forward to partnering with federal, state, and local partners in government to fulfill this goal over the years ahead."

For more details, please contact the consortium at info@solar-consortium.com

For suppliers interested in responding to the RFP, please contact rfp@solar-consortium.com

About Clearway: Clearway Energy Group is leading the transition to a world powered by clean energy. Along with our public affiliate Clearway Energy, Inc., we own and operate more than 8 gigawatts of renewable and conventional energy assets across the country. As we develop a nationwide pipeline of new renewable energy projects for the future, Clearway's 5.6 gigawatts of wind, solar, and energy storage assets offset the equivalent of more than 10.5 million metric tons of carbon emissions for our customers today. Clearway Energy Group is headquartered in San Francisco with offices in Carlsbad, Calif.; Scottsdale, Ariz.; Houston; and Princeton, N.J. For more information, visit clearwayenergygroup.com.

About AES: The AES Corporation (NYSE: AES) is a Fortune 500 global energy company accelerating the future of energy. Together with our many stakeholders, we're improving lives by delivering the greener, smarter energy solutions the world needs. Our diverse workforce is committed to continuous innovation and operational excellence, while partnering with our customers on their strategic energy transitions and continuing to meet their energy needs today. For more information, visit www.aes.com.







Creek has developed more than 12GW of solar projects. Today it owns 2GW of solar and has a 14GW pipeline. Cypress Creek's leading O&M services business operates and maintains 4GW of solar projects for customers across 19 states. For more information about Cypress Creek, please visit www.ccrenew.com.

About D. E. Shaw Renewable Investments: D. E. Shaw Renewable Investments (DESRI) and its affiliates develop, acquire, own, and operate long term contracted renewable energy assets in the U.S. DESRI's portfolio of operating and in construction renewable energy projects currently includes more than 65 solar and wind projects representing more than 6 GW of aggregate capacity. DESRI is a member of the D. E. Shaw group, a global investment and technology development firm with more than \$60 billion in investment and committed capital as of March 1, 2022, and offices in North America, Europe, and Asia. For more information, visit www.desri.com.

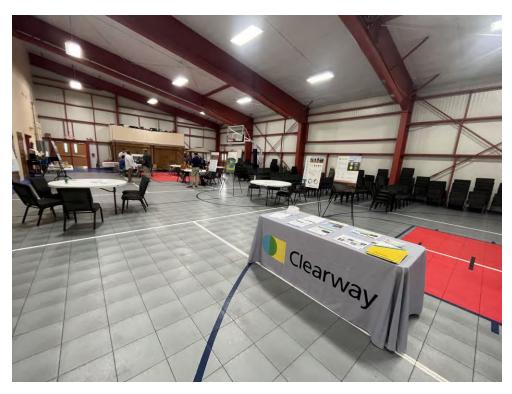


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Song Sparrow Solar Public Meeting Images (May 30, 2023)



Public Meeting format at Grace Church of La Center



Song Sparrow Representatives speaking with early arrival attendees



Our Vision

Clearway's vision is a world powered by clean energy. Our nearly 800 employees work every day to make that vision possible – operating solar and wind projects in 26 states and developing new projects across many more. Together with our customers, affiliates, and partners, we are leading the way to a clean energy future at an accelerating pace.

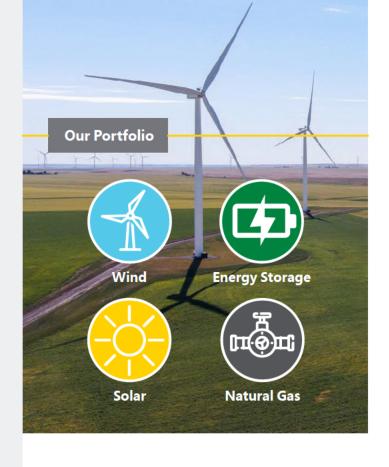
Our Mission

Our Mission is to make clean, competitive, and reliable energy, to do good by our customers, our communities, our environment, and our people, and to be an enduring company that makes these things – and even more – possible.

Stats

9.5 GW under Operations Nationwide 100+ PPA Customers Nationwide

30 GW in Development & Construction \$12 + BN in Capital Raised for Project Financings



Who We Are

Clearway is one of the top 5 largest renewable energy companies in the United States. We are creating clean energy jobs, investing in communities where we work and live, and producing domestic, reliable and affordable power.

Our Renewable Portfolio

Clearway's 7 GW of wind, solar, and energy storage assets – one of the largest renewable energy fleets in the country – generates enough electricity to power over 2 million homes.



What We Do

Clearway participates in every stage of the life-cycle of our projects from origination through operations.



Origination & Business Development



Project Development



Engineering & Procurement



Construction Management



Project Finance



Commercial Operations





Clearway's Operating Footprint















4.2 GW Wind

2.4 GW Solar

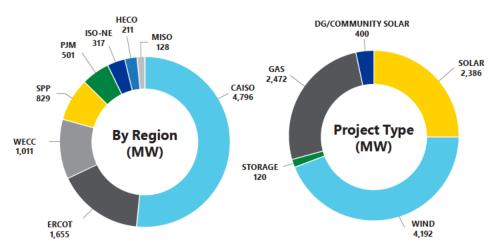
450 MW Community Solar

120 MW Energy Storage

2.5 GW Natural Gas

Main Offices







Song Sparrow Solar

Project and Design Overview



Project Overview				
Project Capacity	■ 104 MW _{AC}			
Location	 Eastern Unincorporated Ballard County between Gage and La Center 			
Technology	 PV bifacial, single-axis tracker, central inverters 			
Interconnection	 LG&E's Grahamville to Wickcliffe 161kV line 			
Power Purchaser	 Louisville Gas & Electric / Kentucky Utilities 			

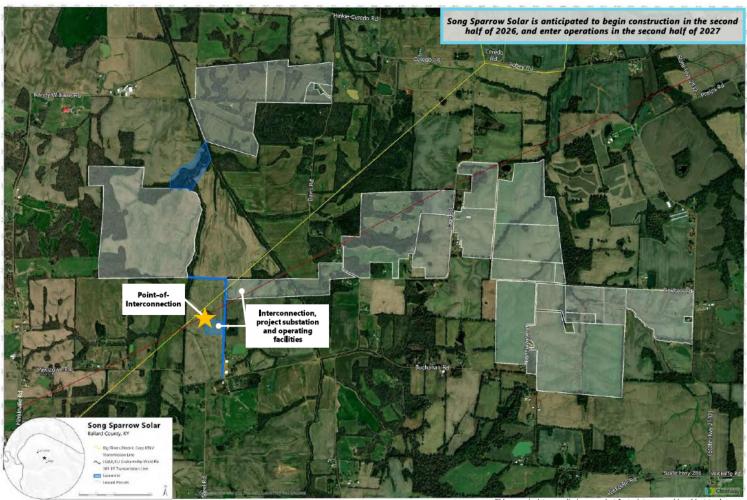
Design Overview

- Sited on agricultural and undeveloped land
- Avoiding sensitive resources as identified by Field Surveys
- Interior access roads for operations and maintenance
- Project substation, utility switching station, communications tower, and operations and maintenance office
- Underground electrical collection lines
- Setbacks from public rights of way, overhead transmission lines, pipelines

Design Setbacks				
25'	 Secondary roadways (from centerline) 			
50'	 Primary roadways (from centerline) 			
100′	 Adjoining property lines^{[1][2]} 			
250'	 Dwelling not owned by project applicant/owner or participating landowner in the project^[2]; church, school, schoolyard, business, parks^[2] 			
1,000′	 Center of the following unincorporated town limits: Bandana, Blandville and Lovelaceville; downstream public works supply surface intake 			
1,500′	 City limits of Wickliffe, Barlow, La Center, Kevil, KY 			

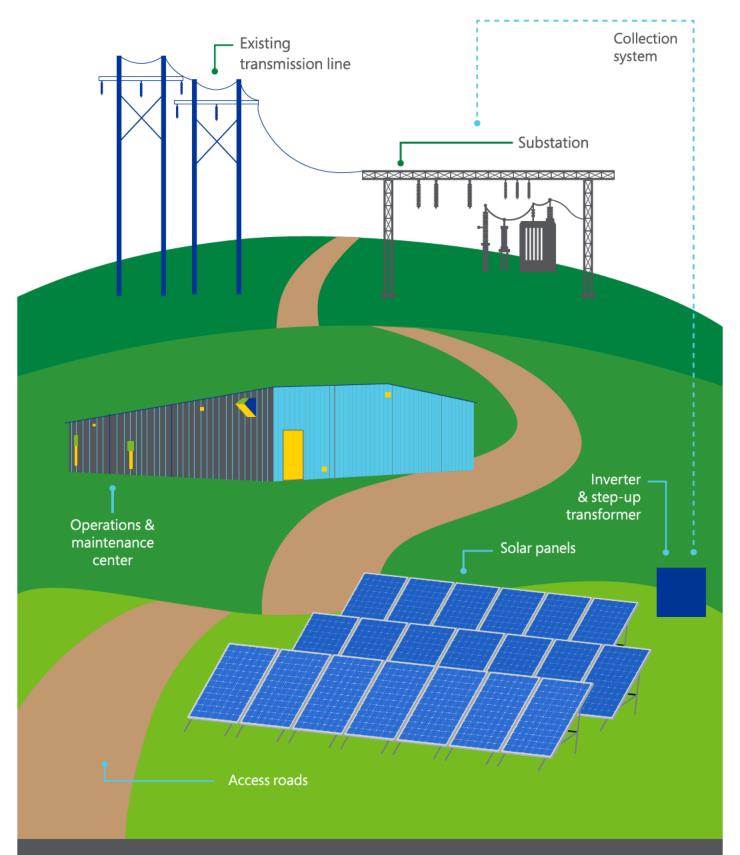
Setbacks are not required where the property line is shared by two or more participating landowners.

^{2.} The setback provisions above can be waived in writing by the adjacent property owner to whom the property line or residence setback is applicable.



This map depicts a preliminary project footprint area and is subject to change

How Solar Energy Works in Your Community



Components: Sunlight is absorbed by photovoltaic (PV) cells in solar panels, which convert that energy into electrical energy. That electricity is gathered through a collection system and then "stepped up" in voltage by a transformer and project substation before being transmitted to the electric grid through a transmission line. Project operations and maintenance centers control the solar facility, support the maintenance team, and house spare parts.





Visual Simulations

View of Interconnection Facilities and Project Substation





LOCATION: Eastern Unincorporated Ballard County between Gage and La Center, KY near intersection of Mosstown Rd & Steel Rd looking north DISCRIPTION: Utility interconnection facilities including communications tower as specified by the Utility, and project substation SETBACK DISTANCE: Approximately 1,800 feet from Mosstown Rd

View of Project Solar Panel Array





LOCATION: Eastern Unincorporated Ballard County between Gage and La Center Kevil, KY near intersection of County Line Rd (KY 2532) and Boulton Rd looking southwest

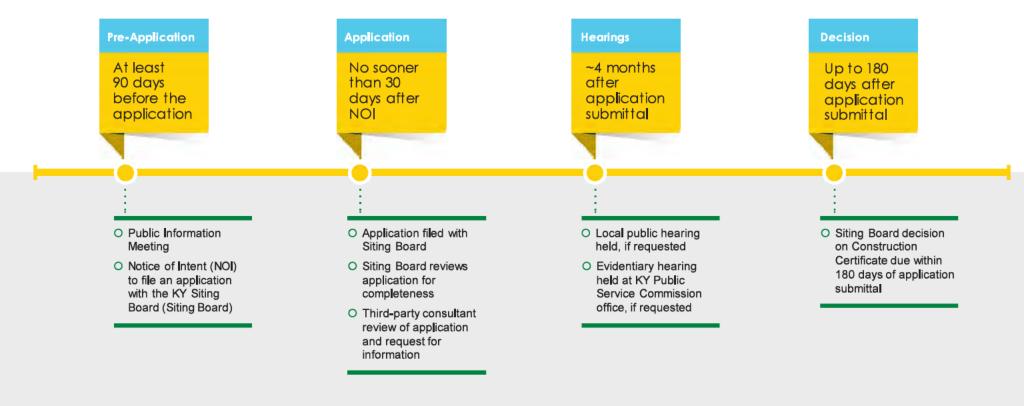
DESCRIPTION: Solar panels situated atop associated racking structure and surrounded by security fence. Maximum 10' panel height. **SETBACK DISTANCE:** 50 feet from the centerline of County Line Rd; 100 feet from adjoining property lines

Preliminary visualizations are for reference only and are subject to change

Kentucky Siting Board Process and Timeline

KRS 278.706 (Effective April 10, 2014)





The Siting Board examines environmental matters not covered by permits issued by the KY Department of Environmental Protection such as the effect the Project will have on local economics, viewshed, and noise generated during construction and operation of the facility.

Environmental and Permitting Studies

Environmental studies will be completed to comply with Section 7 of the Endangered Species Act, the Clean Water Act, and general due diligence.



2023 2022/2023 2023/2024 WINTER-SPRING FALL-WINTER SUMMER O Critical Issues Analysis O Noise Assessment O Potential PSC Site Visit O Wetland and Stream O Property Value Assessment O KSB Hearing and Order Delineations O Decommissioning Plan O Ground Based Raptor Development Nest Surveys O Traffic Assessment O Listed Species Habitat O Visual Assessment Assessment O Glint/Glare Analysis O Cultural Resources Review O Submit KSB Application O Economic Benefits Assessment O Phase | Environmental Site Assessment www.clearwayenergygroup.com | SongSparrowSolar@clearwayenergy.com



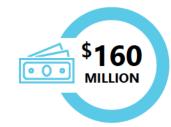




Economic Benefits & Investment



Increased Local Tax Revenues: \$3.3 million expected over lifetime of project in cumulative Payments in Lieu of Taxes and other new taxes directly to Ballard County



Capital Investment: Approximately \$160 million total investment (real estate, construction, equipment, and

operations)



Full-Time Equivalent Jobs: Anticipate up to 5 full-time jobs created



Construction Jobs: Expected average of 250+ direct jobs with an additional 50+ indirect jobs over a 12-month period



Labor Compensation:New labor compensation of estimated \$18 million



Other Revenue: Estimated \$1.3 million in new leasehold tax revenue

The clean energy industry creates thousands of good-paying jobs, drives significant local economic development, and supports a robust supply chain across the country. Clearway is proud to play a leading role in America's renewable energy growth.

Song Sparrow will provide reliable economic and local community benefits throughout the life of the project, while bolstering the regional economy and bringing clean energy to the local power grid.

Numbers based on preliminary economic benefits analysis, and subject to change.

Song Sparrow Solar Public Meeting- May 30, 2023

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Song Sparrow Solar Public Meeting- May 30, 2023

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Clearway Energy Group

100 California St, Suite 400 San Francisco, CA 94111



[DATE]

RE: Song Sparrow Solar, Neighbor Introduction

Dear [NAME]:

Following the invitation to the upcoming *Song Sparrow Solar* Public Information Meeting scheduled on May 30th that you previously received in the mail, we wanted to reach out to offer to meet with you individually prior to or following the meeting to introduce ourselves and answer any questions that you may have about our project.

Clearway Energy Group LLC (Clearway) is one of the largest renewable energy companies in the United States, specializing in the development, financing, construction and operation of solar and wind energy projects. Clearway is developing the proposed Song Sparrow Solar energy project in western Ballard County between Gage and La Center.

Song Sparrow Solar will be up to 104 megawatts and situated on private land. The project will consist of solar photovoltaic panels and their associated racking systems, electric equipment, project substation, utility switching station and other project equipment.

Song Sparrow Solar has signed a long-term power purchase agreement with Louisville Gas & Electric / Kentucky Utilities following a competitive solicitation as part of the utility's larger strategy to bolster the power grid. We are pursuing this project with the goal of increasing our nation's energy independence, protecting the reliability of the electric power grid and making significant investments in communities where we serve.

We would enjoy the opportunity to meet with you, discuss our project, and listen to any feedback that you may have. We are available to meet on 5/30 and 5/31, please contact us at our provided contact information below if you are interested in scheduling a meeting, we are also otherwise available over phone or in-person at a future date. Thank you for your consideration and we look forward to hearing from you.

Sincerely,

Evan Good Sr. Associate, Development M: 814.895.0134 evan.good@clearwayenergy.com Nick Benjamin Sr. Director, Development M: 415.265.7583 nick.benjamin@clearwayenergy.com



BALLARD INDUSTRIAL DEVELOPMENT AUTHORITY

P.O. Box 276 • Wickliffe, KY 42087 Phone: 270-335-5176 Fax: 270-335-3010

Board Members: Kreg Denton, Myra Hook, Lynn Lane, Debbie Lawrence, Tom Miller, Wes Newton, and Terry Simmons

April 20, 2023

Chairman Kent A. Chandler
Kentucky State Board on Electric Generation and Transmission Siting
211 Sower Boulevard
P.O. Box 615
Frankfort, KY 40602

Re: Applications to Construct Solar Electric Generating Facilities in Ballard County, Kentucky

Dear Members of the Kentucky Electric Generation and Transmission Siting Board,

The Ballard Industrial Development Authority (BIDA) wishes to express our support for utility-scale solar projects proposed to be constructed in Ballard County, and we urge the Siting Board to look favorably upon applications for Construction Certificate from developers of such projects. The BIDA is supportive of utility-scale renewable companies that (1) invest in our community in multiple ways, (2) work closely with local officials to ensure the project is a win-win, and (3) prioritize innovative design and operational practices such as "agrivoltaics" in order to preserve the region's agricultural economy.

The BIDA was created as an economic development aid to the Fiscal Court with a duty to assist the businesses of Ballard County and specific goals of job creation and retention, local business expansion and business growth. We value and appreciate the investment, involvement and interest companies developing such projects have in our community. We applied and fully support the addition of solar energy into the generation portfolio as it adds economic, social and competitive value for Ballard County.

We look forward to the success of these projects and the benefits they will provide, and we wish to become a leader for renewable energy in the Commonwealth of Kentucky. The BIDA gives full support to these projects.

Should you need any assistance or have any questions, please feel free to contact us.

Respectfully submitted,

Kreg Denton, Chair