

DOCKETED	
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Project Title:	Darden Clean Energy Project
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Document Title:	Darden Scoping Meeting - Intersect Power Presentation Slide Deck
Description:	Intersect Power's slide deck presented at the public scoping meeting on October 16, 2024.
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**Intersect
Power**

California Energy Commission Public Scoping Meeting

**Darden Clean Energy Project
23-OPT-02**

October 16, 2024





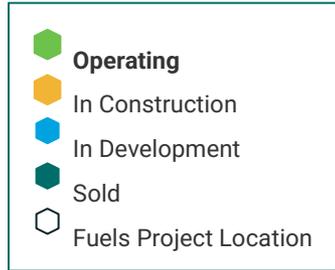
Aerial view of a large solar farm with rows of solar panels. The image is overlaid with a dark blue and green gradient. A horizontal bar with a color gradient from yellow to blue is positioned above the text.

Intersect Power

Intersect Power's Growing Portfolio



Intersect Power has a Base Portfolio of **2.2 GWp of operating solar PV** and **2.4 GWh of storage** in operation or construction making it one of the largest owner-operators of renewable generation and storage in the U.S.

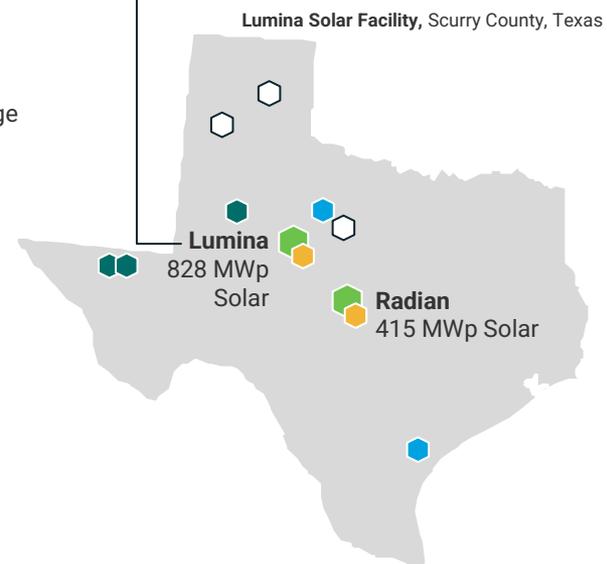


Oberon
679 MWp Solar +
1 GWh co-located storage

Athos III
310 MWp Solar +
448 MWh co-located storage

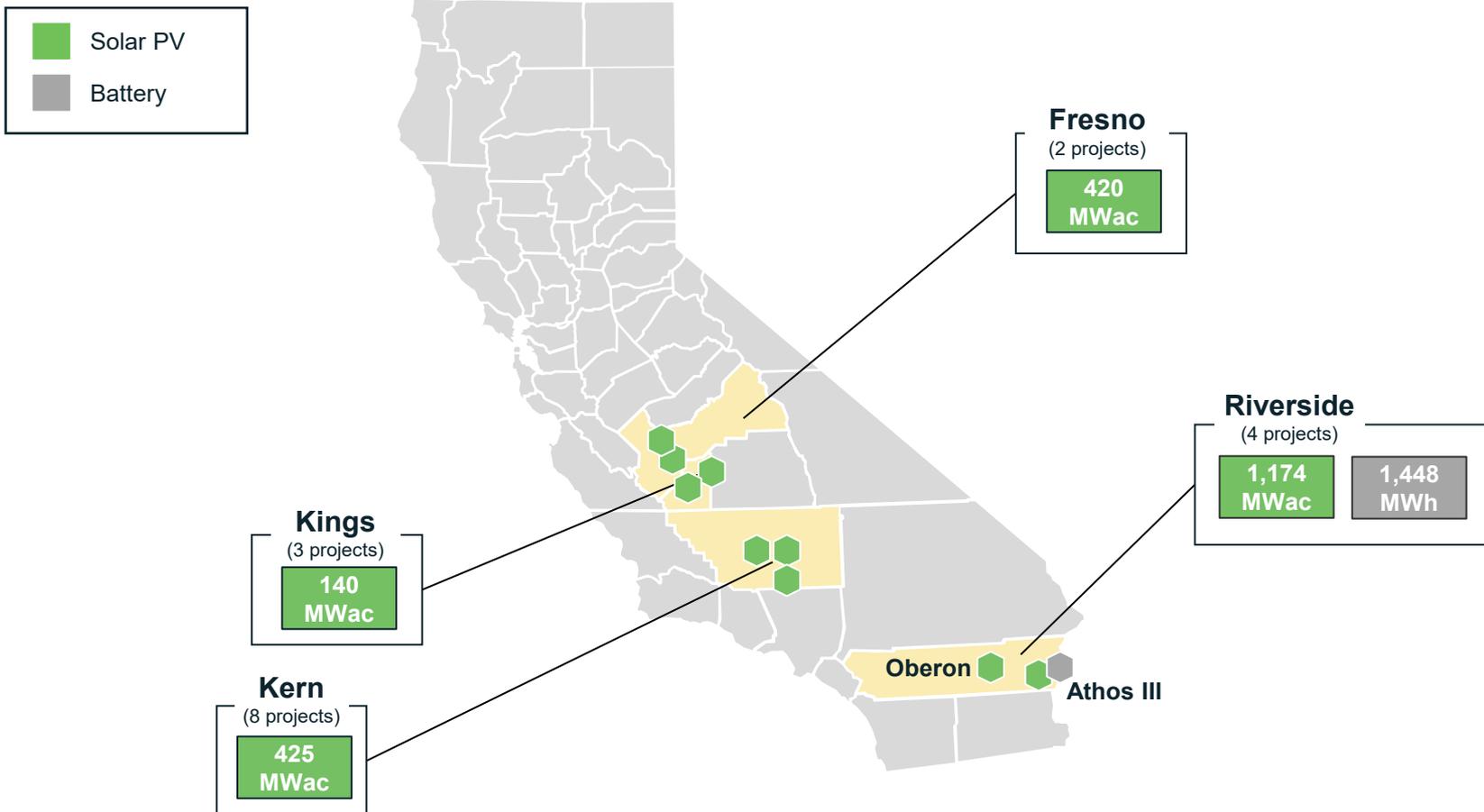


Oberon Solar + Storage Facility, Riverside County, California



Keeping the Lights on in California

The team has developed 17 projects currently operating on CAISO's System, totaling 2.16 GWac solar and 1.45 GWh BESS. Intersect currently operates 724 MW PV and 1.45 GWh of BESS on CAISO's System.





The background of the slide is an aerial photograph of a vast solar farm. The solar panels are arranged in neat, parallel rows that stretch across the landscape. The image is overlaid with a semi-transparent blue and green gradient. A horizontal bar with a color gradient from yellow to blue is positioned above the title text.

The Darden Clean Energy Project

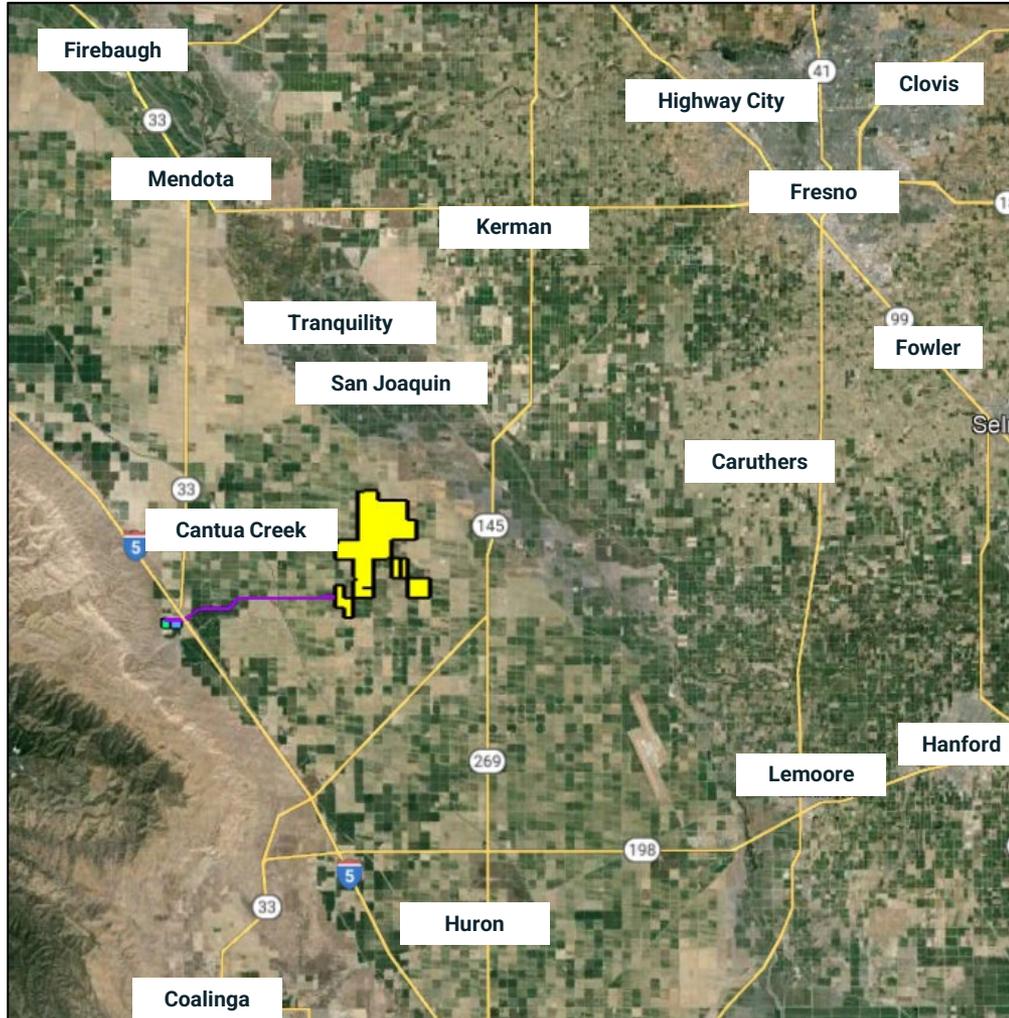
Christine Darden: Pioneer NASA Mathematician

Intersect Power names our projects after underrepresented, under celebrated heroes in math, science, engineering and entrepreneurship



Career Focus	<ul style="list-style-type: none">● Spearheaded NASA research on ways to minimize sonic booms● Played a pivotal role in advancing aeronautics and aerospace technologies
Achievements	<ul style="list-style-type: none">● First African-American woman at NASA's Langley Research Center promoted to Senior Executive Service● Played a key role in the development of supersonic wing designs to enhance high-speed aircraft performance● Made notable contributions to the field of computational fluid dynamics to optimize airflow around aircrafts
Awards	<ul style="list-style-type: none">● Congressional Gold Medal● Two NASA Medals● Black Engineer of the Year Award● Women in Science & Engineering Lifetime Achievement Award
Education	<ul style="list-style-type: none">● BS in Mathematic, Hampton University● MS in Applied Mathematics, Virginia State University● PhD in Mechanical Engineering, George Washington University
Lifespan / Birthplace	<ul style="list-style-type: none">● Born on September 10, 1942, in Monroe, North Carolina, USA

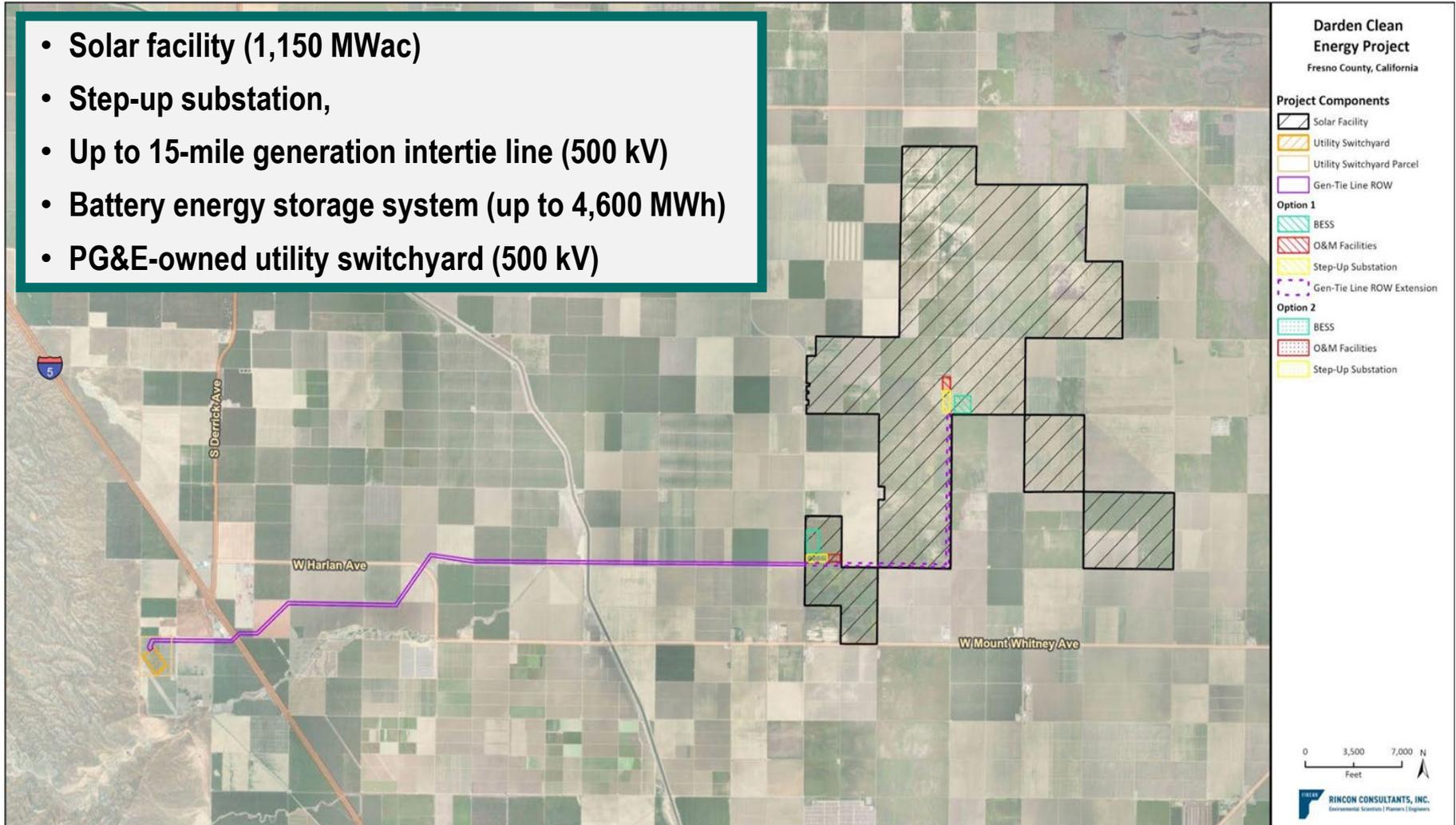
Project Location: Unincorporated Fresno County



Project Information	
Solar Capacity	1.15 GWac
Battery Storage	4.6 GWh
Acres	9,500

- The Darden Clean Energy Project is sited on lands currently owned by Westlands Water District, which will be purchased by IP Darden, LLC prior to project construction
- The Darden Project is not affiliated with the Valley Clean Infrastructure Plan or Golden State Clean Energy, and is not subject to AB 2661 (Soria)
- Intersect Power has voluntarily committed to one of the strongest Community Benefits plans in the industry

Project Site & Project Components



Imagery provided by ESRI and its licensors © 2024.

Project Construction

Q1 '26

Q2 '26

Q3 '26

Q4 '26

Q1 '27

Q2 '27

Q3 '27

Q4 '27

Site Preparation

PV Panel System Installation

Inverters, Transformers, Substation, and Electrical

Gen-tie Pole Erection and Stringing

Battery Energy Storage Facility

Utility Switchyard



Project Operations



Courtesy of First Solar, Inc.

Site Selection Strategy – Avoid Impacts

- Target degraded lands with no other beneficial use
- Identified as **“Smart from the Start”** by numerous conservation organizations and state agencies
- Identified as **Priority Least Conflict Land** for solar energy development in the San Joaquin Valley Least Conflict analysis
- Primarily sited on **retired agricultural land**
- **Highly disturbed** land due to historical agricultural use
- **Few nearby residences** with direct views of the site
- The utility switchyard is located along the **existing high-voltage PG&E line**



Interconnection Strategy – Unlock Westlands

- Westlands land that is no longer suitable for irrigated agriculture has been described as an **ideal location** for solar development for over a decade
- **Development has been slow** due to a lack of transmission interconnection opportunities
- The Darden Project would create a **vital new point of interconnection** for future renewable energy generators in western Fresno County by building and transferring a new 500kV switching station to PG&E



Design Strategy – Enhance Environmental Values



- Manage site for ongoing environmental values, including Swainson's hawk nesting and foraging habitat
- Revegetate site with native seed mix, expected to reduce ongoing dust from long-term operations compared with existing conditions
- Continue to be a leader, funder, and participant in scientific research on solar interactions with wildlife
- Fresno State internship program for biology and ecology students



Technical Studies Complete

- Critical Issues Analysis
- Swainson's Hawk Foraging Habitat Assessment
- Biological Resources Assessment
- Swainson's Hawk Protocol Nest Survey Report
- Cultural Resources Technical Report
- Swainson's Hawk Conservation Strategy
- Paleontological Resources Assessment
- Transportation Analysis
- Noise and Vibration Technical Analysis
- Socioeconomics Analysis
- Air Quality and Greenhouse Gases Technical Report
- Water Supply Assessment
- San Joaquin Kit Fox Habitat Assessment

Early Engagement and Outreach with Local Communities

Courtesy Notifications

- Letter sent 4.24.29 notifying residents (within 1 mile) of project and CEC permitting process
- Letter sent 10.7.24 notifying residents (within 1 mile) of CEC Public Scoping meeting

Informational Meetings & Tours

- Local Nonprofit Organizations
- Area Schools
 - Fresno State University
 - Westside Elementary School
 - Cantua Creek Elementary School
 - Golden Plains ISD
- Western Fresno County Local Governments Elected Officials & Staff
 - Kerman
 - Huron
 - San Joaquin
 - Mendota
 - Firebaugh
- Local Environmental Justice Organizations
 - Leadership Council for Justice and Accountability
 - Central CA Asthma Collaborative
 - The LEAP Institute

Economic Development Opportunities

- Sponsorship of Valleybuild Informational Presentations in western Fresno County
- Bus tour of nearby Cities focused on procurement of local goods and services
- Support of area Schools, Chamber of Commerces, and CBOs outside of Community Benefits Plan primary partner organizations, including:
 - The Fresno Center
 - Centro Binacional para el Desarrollo Indigena Oaxaqueño
 - Riverdale Community Youth Sports
 - Green Raiteros EV Rideshare Program
 - Mendota Community Corporation
 - Golden Plains Unified School District
 - Fresno Metro Black Chamber of Commerce
 - Mendota Chamber of Commerce



CEC Community Benefit Plan Primary Partner Organizations



Over \$273,000 in donations to CBOs and area schools since 2023

Focal Issue	Organization Name	Main Activities	Status of CBA
Economic Opportunity		<ul style="list-style-type: none"> Swainson's hawks conservation college internship program 	Executed
	 Fresno Housing Education Corps	<ul style="list-style-type: none"> Support and expand the reach of literary and STEM-related programming and scholarship programs into western Fresno County 	Executed
	 VALLEYBUILD	<ul style="list-style-type: none"> Promoting the pre-apprenticeship program across western Fresno County and partnering on the development of a solar installation program to be included in upcoming curriculums 	n/a (not financial)
Access to Public Transportation	 FCRTA Fresno County Rural Transit Agency	<ul style="list-style-type: none"> Provide augmented fares for rural microtransit program, ensuring transportation for local residents to essential services 	Executed
Air Pollution Reduction	 CCAC CENTRAL CALIFORNIA ASTHMA COLLABORATIVE	<ul style="list-style-type: none"> Support Comprehensive Asthma Remediation and Education Services in western Fresno County 	Executed
	 TREE FRESNO	<ul style="list-style-type: none"> Partnering to plant shade trees at schools in western Fresno County 	Executed
Access to Affordable Housing	Westside Elementary School	<ul style="list-style-type: none"> Assist with upgrades to the schools campus and support efforts to increase housing in the immediate area 	Executed
Access to Healthy Foods	 CENTRAL CALIFORNIA FOOD BANK MEMBER OF FEEDING AMERICA	<ul style="list-style-type: none"> Sustain and support rural comprehensive feeding programs in western Fresno County 	Executed
	 CENTRO LA FAMILIA ADVOCACY SERVICES NEIGHBORHOOD RESOURCE CENTER	<ul style="list-style-type: none"> Supplement the distribution of food and necessities to western Fresno County families 	Executed

The Darden Clean Energy Project Will Have a Multidimensional Positive Impact on Western Fresno County Communities



Source of Economic Impact Benefit	Estimate of Magnitude of Impact	How Local Communities Can	
Community Benefits Agreements		<ul style="list-style-type: none"> • \$5.1M total direct investment • Including \$1.5M through 2027 	<ul style="list-style-type: none"> • Help identify organizations and investment opportunities that best serve local communities
Local Government Revenue		<ul style="list-style-type: none"> • Local Sales Tax: \$59M in 2026 and 2027 + \$1.8M/yr • Avg Property Taxes: \$26M/yr 	<ul style="list-style-type: none"> • Work with County Board of Supervisors to earmark funds for westside communities
Jobs		<ul style="list-style-type: none"> • 5-craft Project Labor Agreement • \$160M in employee compensation • 1,200/yr FTE for 2yrs of construction • 16 permanent jobs in operation 	<ul style="list-style-type: none"> • Help identify gaps in education, training, translation services, transportation, childcare, or other needs to enable highest success of workforce development programs
Indirect Investment		<ul style="list-style-type: none"> • \$273M spent locally through construction • \$2.9M/yr spent locally during operations 	<ul style="list-style-type: none"> • Help identify and connect locally owned small businesses with opportunities to serve direct or indirect needs of the project
Infrastructure for the Future		<ul style="list-style-type: none"> • Darden's 500kV Utility Switching Station unlocks the generation potential of western Fresno County 	<ul style="list-style-type: none"> • Support Darden, and position western Fresno County as a leader in the green infrastructure economy

Note: Actuals may vary based on federal and state law changes, as well as other variables. Local Economic Impact is reflective of project capacity and subject to change as the latter shifts



Intersect
Power

Thank You

Marisa Mitchell

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