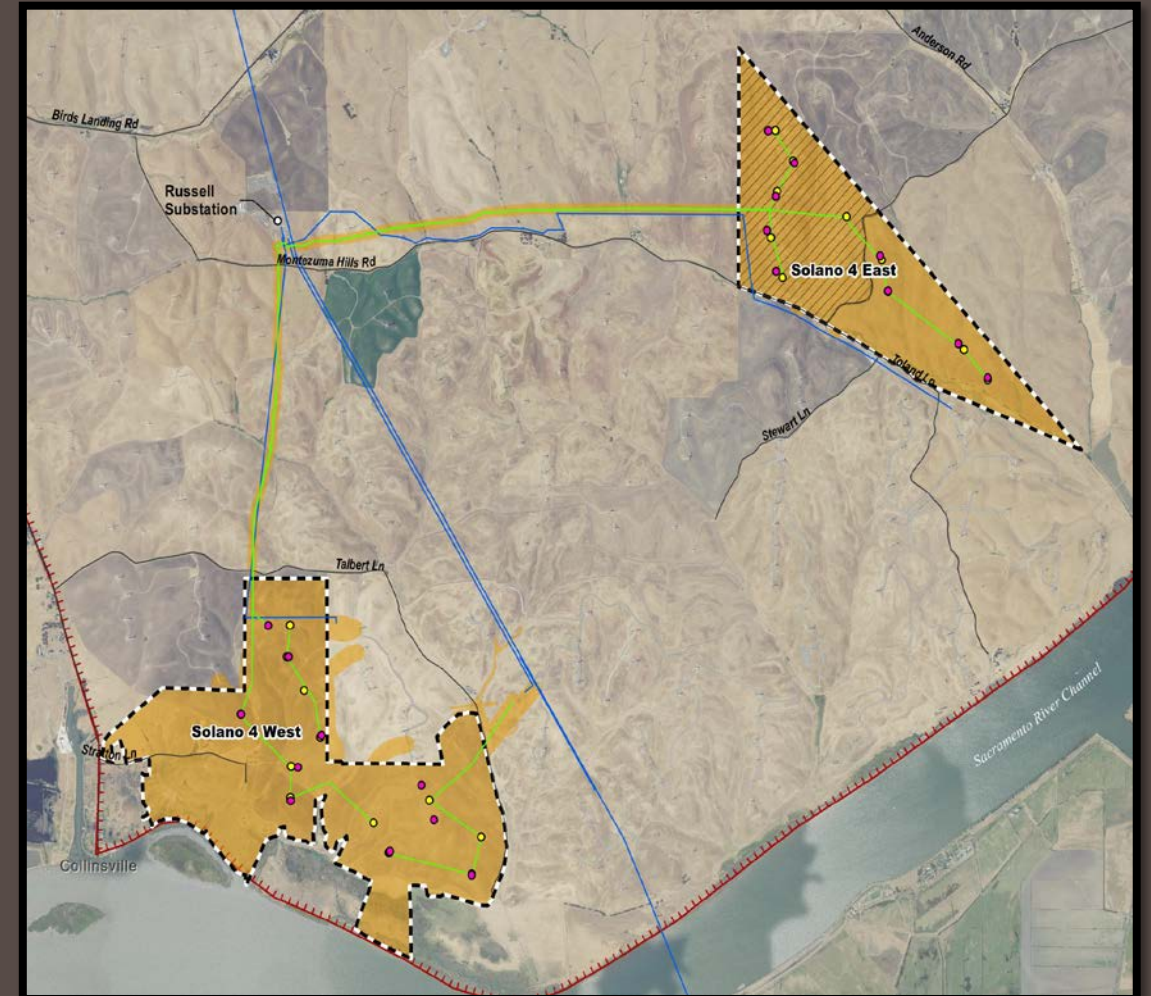


Exhibit to Agenda Item #1

Board Policy Committee and Special SMUD Board of Directors Meeting
Wednesday, August 11, 2021, scheduled to begin at 5:30 p.m.
Virtual Meeting (online)

Solano 4 Wind Project Overview

System Size	Up to 91 MW (306 MW total) ~2,549 acres
System Type	<ul style="list-style-type: none"> • 136m or 150m Wind Turbine Generator • Height: 492–591 feet (150–180 meters) • Rotor diameter: 446–492 feet (136–150 meters)
Site Preparation	Remove Solano I turbines, construct new roads, foundations and pads, reclaim old roads
Timing	<ul style="list-style-type: none"> • EIR/Permitting: 2019-2021 • Engineering: 2022 • Construction: 2023-2024 • Operational: 2024-2025
Objectives in design	<ul style="list-style-type: none"> • Minimize or reduce radar impact • Maximize energy output within available property • Minimize permanent impacts throughout site



Project Need

- Furthers SMUD's objective to provide sustainable power supply as part the integrated resource plan
- Will provide dependable renewable energy to help meet SMUD's renewable portfolio standards obligations, aligned with Senate Bill 100 (enacted in 2018)
- Will aid in improving Sacramento Valley Air Basin air quality, decreasing reliance on fossil fuel combustion for electricity generation, and reduce exposure to price volatility



Alternatives Analysis

- Alternatives considered by SMUD but not evaluated
 - Offsite alternatives
 - Alternative generation technologies
- Project alternatives analyzed
 - No project alternative
 - Reduced turbine height alternative
- The preferred alternative is the project as described in the draft and final EIR

Public Review Process – Notice of Preparation and Draft EIR

- Notice of Preparation published for 30-day public comment period January 9, 2019; Scoping Meeting on January 22, 2019
- Draft Environmental Impact Report published for 45-day public comment period July 23, 2019; Public Meeting on August 20, 2019
- Published at SMUD.org, Sacramento Bee, The River News-Herald and Isleton Journal
- Mailed to landowners within 1 mile of the project site; Agencies; Native American Tribes
- Available at Customer Service Center, East Campus Operations Center, and Solano County Library

Notice of Preparation Commenters

- California Department of Conservation, Division of Oil, Gas, and Geothermal Resources
- California Department of Fish and Wildlife
- Central Valley Regional Water Quality Control Board
- Delta Stewardship Council
- Native American Heritage Commission
- Shute, Mihaly & Weinberger LLP (Representing ALUC)
- State of California Governor's Office of Planning and Research
- Yolo-Solano Air Quality Management District

Draft EIR Commenters

- State Clearinghouse Office of Planning and Research (OPR)
- California Department of Fish and Wildlife
- Delta Stewardship Council
- California Department of Transportation, Division of Aeronautics
- Solano County Department of Resource Management
- Shute, Mihaly & Weinberger LLP (Representing ALUC)

Environmental Analysis

- Mitigation Measures for:
 - Aesthetics
 - Air Quality (Significant and Unavoidable)
 - Biological Resources
 - Archaeological, Historical, Resources
 - Tribal Cultural Resources
 - Geology and Soils
 - Hazards and Hazardous Materials
 - Hydrology and Water Quality
 - Transportation
- Sixty mitigation measures will reduce all but one potentially significant impact to less-than-significant level
- Construction emissions of NO_x are Significant and Unavoidable

Standard for Statement of Overriding Considerations

- A project may be approved even though unmitigable impacts would be sustained
- Provides specific reasons why the project benefits outweigh the adverse effect
- If the benefits outweigh the unavoidable adverse environmental effects, those effects may be considered “acceptable” [CEQA Guidelines Section 15093 (a)]



SMUD Benefits to Justify Statement of Overriding Considerations

- Sustainable power supply
- Diversifies SMUD's energy portfolio
- Reduces exposure to price volatility
- Adds additional 91 MW of power, culminating in 306 MW of clean renewable wind energy
- Significant air quality benefits offsetting approximately 132,000 metric tons of carbon emissions annually, otherwise produced from fossil fuel facilities
- Critical to achieving a carbon-free energy portfolio by 2030

SMUD Board Alternatives

- Certify the Environmental Impact Report for the SMUD Solano 4 Wind Project, adopt the Findings and Statement of Overriding Considerations, adopt the Mitigation Monitoring and Reporting Program, and approve the project
- Return the CEQA analysis to staff for further study
- Reject the CEQA analysis and the project



Requested SMUD Board Action

- Certify the California Environmental Quality Act (CEQA) Environmental Impact Report
- Adopt the Findings and Statement of Overriding Considerations;
- Adopt the Mitigation Monitoring and Reporting Program; and
- Approve the Project