Exhibit to Agenda Item #9a

Solano 4 Wind Project (Project):

a. Certify the California Environmental Quality Act (CEQA) Solano 4 Wind Project (Project) Final Environmental Impact Report (FEIR), adopt the Mitigation Monitoring and Reporting Program for the Project, adopt the CEQA Findings and Statement of Overriding Considerations in Connection with the Solano 4 Wind Project, and approve the Project.

Board of Directors Meeting

Thursday, August 19, 2021, scheduled to begin at 5:30 p.m.

Virtual Meeting (online)
## Solano 4 Wind Project Overview

<table>
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<th><strong>System Size</strong></th>
<th>Up to 91 MW (306 MW total) ~2,549 acres</th>
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| **System Type**     | • 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**           | • EIR/Permitting: 2019-2021            |
|                     | • Engineering: 2022                    |
|                     | • Construction: 2023-2024              |
|                     | • Operational: 2024-2025               |

| **Objectives in design** | • 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