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

<table>
<thead>
<tr>
<th><strong>System Size</strong></th>
<th>Up to 91 MW (306 MW total) ~2,549 acres</th>
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<tbody>
<tr>
<td><strong>System Type</strong></td>
<td>• 136m or 150m Wind Turbine Generator</td>
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<td>• Height: 492–591 feet (150–180 meters)</td>
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<td>• Rotor diameter: 446–492 feet (136–150 meters)</td>
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<td><strong>Site Preparation</strong></td>
<td>Remove Solano I turbines, construct new roads, foundations and pads, reclaim old roads</td>
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<td><strong>Timing</strong></td>
<td>• EIR/Permitting: 2019-2021</td>
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<td>• Engineering: 2022</td>
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<td>• Construction: 2023-2024</td>
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<td>• Operational: 2024-2025</td>
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<tr>
<td><strong>Objectives in design</strong></td>
<td>• Minimize or reduce radar impact</td>
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<td></td>
<td>• Maximize energy output within available property</td>
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<td>• Minimize permanent impacts throughout site</td>
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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