Pumped Storage Evaluation Special Study
Yellowtail, Seminoe, and Trinity Sites
Final Phase 2 Report

Volume II
Phase 2 Report Figures
Mission Statements

The mission of the Department of the Interior is to protect and provide access to our Nation’s natural and cultural heritage and honor our trust responsibilities to Indian Tribes and our commitments to island communities.

The mission of the Bureau of Reclamation is to manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.
Yellowtail pump storage project — 230 connection at PPL near YT—gen at 400 MW
Yellowtail pump storage project -- 230 connection at PPL near YT -- pump at 400 MW
## Pump storage at Yellowtail

### 230 kV option

The diagram depicts the electrical connections for the Yellowtail pump storage project, specifically at the 230 kV connection point at Broadview. The pump is marked as being at 1660 kV. The diagram outlines various substations and their connections, such as Colstrip 1, Colstrip 2, Colstrip 3, Colstrip 4, and others, highlighting the flow of power through the network.

### Table: Key Connections

<table>
<thead>
<tr>
<th>Substation</th>
<th>Voltage</th>
<th>Connection Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colstrip 1</td>
<td>230 kV</td>
<td>Bus Connection</td>
</tr>
<tr>
<td>Colstrip 2</td>
<td>230 kV</td>
<td>Transformer</td>
</tr>
<tr>
<td>Colstrip 3</td>
<td>230 kV</td>
<td>Bus Connection</td>
</tr>
<tr>
<td>Colstrip 4</td>
<td>230 kV</td>
<td>Transformer</td>
</tr>
</tbody>
</table>

The table above lists the key substations and their associated voltages and connection types, which are critical for understanding the electrical configuration of the project.

---

*Yellowtail pump storage project -- 230 connection at Broadview -- pump at 1660*
Yellowtail pump storage project -- 230 connection at Broadview -- reactive
Coalstrip

Yellowtail Pump Storage Area

Yellowtail pump storage project – 500 connection at Broadview–gen 1024 MW
Coalstrip

Yellowtail Pump/igan Storage Area

Yellowtail pump storage project—500 connection at Broadview -- pump 1660 MW
Coalstrip
Broadview
Yellowtail Pump/gen Storage Area

Yellowtail pump storage project–500 connection at Broadview – reactive
Proposed Seminoe Pump / gen storage project -- generation at 250 MW
Proposed Seminoe Pump / gen storage project -- pump at 250 MW
Proposed Seminoe Pump / gen storage project-- aeolus 230 kV connection -- GEN 957 MW
Seminoe/Kortes area

Proposed Pump/gen

Proposed Seminoe Pump / gen storage project-- aeolus 230 kV connection -- REACTIVE
Trinity Pump storage project -- proposed 230 interconnection at trinity -- gen at 200MW
Trinity Pump storage project -- proposed 230 interconnection at trinity -- reactive
Trinity Pump storage project -- proposed 230 interconnection at Olinda--1024 MW_gen
Trinity Pump storage project -- proposed 230 interconnection at olinda--1024 MW_pump
Trinity Pump storage project -- proposed 230 interconnection at Olinda--reactive
Trinity Pump storage project -- proposed 500 interconnection at olinda--gen 1024 MW
Trinity Pump storage project -- proposed 500 interconnection at olinda--pump 1024 MW
Trinity Pump storage project -- proposed 500 interconnection at olinda--reactive