BEFORE THE
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

WASHINGTON UTILITIES AND
TRANSPORTATION COMMISSION,

Complainant,

v.

PUGET SOUND ENERGY,

Respondent.

DOCKETS UE-22___/UG-22___

2022 PSE GENERAL RATE CASE

WITNESS: RONALD J. ROBERTS

EXHIBIT (CONFIDENTIAL)

SEVENTEENTH EXHIBIT (CONFIDENTIAL) TO THE
PREFILED DIRECT TESTIMONY OF

RONALD J. ROBERTS

ON BEHALF OF PUGET SOUND ENERGY

REDACTED VERSION

JANUARY 31, 2022
The scope of this project is to design Units 3&4 Bottom Ash Pond Closure per the CCR Rule (40CFR 257). The bottom ash pond ceased receiving CCR material in 2018 and needs to be closed per the CCR Rule (40CFR 257).
<table>
<thead>
<tr>
<th>SUB PROJECT</th>
<th>FACILITY CODE</th>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
<th>CONTRACT / OTHER</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>900</td>
<td>A034</td>
<td>34 Pond Chemistry Water Treatment System</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

**BUDGET ITEM RECOMMENDATION:**

This is the third year of the 3&4 Pond Chemistry Water Treatment System also known as the Brine Concentrator/Crystallizer project. Final payments for the equipment and construction activities will happen in 2019. This project is required to help meet the CCR Rule pond closure and lining requirements. In order to close & line 3&4 EHP cells as required by the CCR Rule (40CFR Part 257), water is being removed from the cells to support those activities. The removal of this excess water has caused the pond chemistry to increase in salts, resulting in the need for a treatment system to keep the pond chemistry within operating guidelines.
### Groundwater Capture Storage Pond

**Title:** Groundwater Capture Storage Pond  
**Location:** Unit 1-4  
**CRC:** 4072  
**Plant Acct:** 3140  

<table>
<thead>
<tr>
<th>Activity: 0000AMDR00</th>
<th>PROJECT ID:</th>
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</thead>
<tbody>
<tr>
<td>REVISON: 0</td>
<td>WORK ORDER/TASK:</td>
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</tbody>
</table>

**Estimated Cost:** $  
**Budget Category:** ENV  
**Budget Year:** 2019  
**Super Project #:**  

<table>
<thead>
<tr>
<th>Est. Plant in Serv. Date:</th>
<th>Est. Completion Date:</th>
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<tbody>
<tr>
<td>10</td>
<td>12</td>
</tr>
<tr>
<td>2019</td>
<td>2019</td>
</tr>
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</table>

**Hurdle Rate Evaluation**  
- Profitability Index: EMD  
- Internal Rate of Return (%): Environmental  
- Net Present Value ($): Must  
- Estimate Payback (YRS): Do  

<table>
<thead>
<tr>
<th>Cash Flow:</th>
<th>JAN</th>
<th>MAY</th>
<th>JUN</th>
<th>JUL</th>
<th>AUG</th>
<th>SEP</th>
<th>OCT</th>
<th>Nov</th>
<th>Dec</th>
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</table>

**Environmental:**  
- Air  
- Noise  
- Solids  
- Water  

(All Capital Sub Projects start with a 900)

<table>
<thead>
<tr>
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<th>DESCRIPTION</th>
<th>MATERIAL</th>
<th>CONTRACT / OTHER</th>
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<tbody>
<tr>
<td>900</td>
<td>A012</td>
<td>Groundwater Capture Storage Pond</td>
<td>-</td>
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<tr>
<td></td>
<td></td>
<td>Split, U12 and U34 respectively per owner approval</td>
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</table>

**Budget Item Recommendation:**

The scope of this project is to construct the Groundwater Capture Storage Pond (GWCSFP) that was identified in the MDECQ approved Plant Site Remedy Evaluation to meet Coldstrip Wastewater Administrative Order on Consent (AOC) remediation requirements. This groundwater capture storage pond will store captured groundwater from the Plant Site area and the 182 SOEP/STEP area until the groundwater capture treatment system is operational. It also serves as a collection point for captured groundwater when the treatment system is off for maintenance, meeting the requirement for ongoing remediation. Currently, groundwater capture from the Plant site area and the 182 SOEP/STEP area is reused in the 182 plant process.

**Project Manager:** RRB  
**Plant Manager:** NJD  
**Assigned Engineer:** G Logan  
**Env Manager:** GDC