January 30, 2019

TO: Members of the Board of Trustees

FROM: Scott A. Jordan  
Executive Vice President for Administration and Chief Financial Officer

Craig H. Kennedy  
Provost and Executive Vice President for Academic Affairs

RE: Revised Project Budget for Emergency Generator Replacement @ High Head Pump Station (Revised Final: $1,106,040)

RECOMMENDATION:

That the Board of Trustees approve the Revised Final Budget of $1,106,040 for the Emergency Generator Replacement @ High Head Pump Station for Design and Construction. The Administration recommends that the Board of Trustees adopt the Resolution below.

RESOLUTION:

“Be it resolved that the Board of Trustees approve the use of $1,106,040 in University funds for High Head Emergency Generator Replacement Project.”

BACKGROUND:

UConn produces and distributes water from its own wells and pumps it to a large reservoir at its High Head area. From the reservoir, the water is pumped to water towers that are the basis for the hydraulic design of the UConn water system. In addition, the pumps boost water pressure to the “Towers” dormitory complex. This water provides drinking water for the UConn Community and parts of Storrs in addition to being the source of water for fire suppression throughout the Campus. UConn has determined that the 1975 generator that serves this pumping station should be replaced due to age and degradation. The High Head Pump Station was constructed over 40 years ago.

The existing 375KW emergency generator and 1000 gallon underground fuel tank serving the High Head Pump Station and Tower loop Station need to be replaced due to age and
degradation. New normal power and emergency power feeder will include a 7500KW/480Y/277PV 3 phase Diesel Fired Generator. The new Transformer shall be a 500KVA 13.8KV 480/277V.

The Emergency Generator Replacement @ High Head Pump Station is currently in the Construction Phase. The current schedule anticipates construction will begin in February 2019 and will be completed in July 2019. The Revised Final Budget includes additional costs related to project bid results.

The Revised Final Budget is attached for your information.

Attachment
### CAPITAL PROJECT BUDGET REPORTING FORM

**TYPE BUDGET:** REVISED FINAL  
**PROJECT NAME:** EMERGENCY GENERATOR REPLACEMENT @ HIGH HEAD PUMP STATION

<table>
<thead>
<tr>
<th>BUDGETED EXPENDITURES</th>
<th>APPROVED FINAL 2/21/2018</th>
<th>PROPOSED REVISED FINAL 1/30/2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONSTRUCTION</td>
<td>$ 737,860</td>
<td>$ 878,900</td>
</tr>
<tr>
<td>DESIGN SERVICES</td>
<td>87,140</td>
<td>87,140</td>
</tr>
<tr>
<td>TELECOMMUNICATIONS</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>FURNITURE, FIXTURES AND EQUIPMENT</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>CONSTRUCTION ADMINISTRATION</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>OTHER AE SERVICES (including Project Management)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>ART</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>RELOCATION</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>ENVIRONMENTAL</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>INSURANCE AND LEGAL</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>MISCELLANEOUS</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>OTHER SOFT COSTS</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>SUBTOTAL</strong></td>
<td><strong>$ 825,000</strong></td>
<td><strong>$ 966,040</strong></td>
</tr>
</tbody>
</table>

**PROJECT CONTINGENCY**  
- 135,000  
- 140,000  

**TOTAL BUDGETED EXPENDITURES**  
- $ 960,000  
- $ 1,106,040  

**SOURCE(S) OF FUNDING**  
**UNIVERSITY FUNDS**  
- $ 960,000  
- $ 1,106,040  

**TOTAL BUDGETED FUNDING**  
- $ 960,000  
- $ 1,106,040  

BOT 1.30.19  
FO500006
EMERGENCY GENERATOR REPLACEMENT
@ HIGH HEAD PUMP STATION
Project Budget (REVISED FINAL)
January 30, 2019
February 21, 2018

TO: Members of the Board of Trustees

FROM: Scott A. Jordan
Executive Vice President for Administration and Chief Financial Officer

Jeremy Teitelbaum
Interim Provost and Executive Vice President for Academic Affairs

RE: Project Budget for Emergency Generator Replacement @ High Head Pump Station (Final: $960,000)

RECOMMENDATION:

That the Board of Trustees approve the Final Budget of $960,000 for the Emergency Generator Replacement @ High Head Pump Station for Design and Construction. The Administration recommends that the Board of Trustees adopt the Resolution below.

RESOLUTION:

“Be it resolved that the Board of Trustees approve the use of $960,000 in University funds for High Head Emergency Generator Replacement Project.”

BACKGROUND:

UConn produces and distributes water from its own wells and pumps it to a large reservoir at its High Head area. From the reservoir, the water is pumped to water towers that are the basis for the hydraulic design of the UConn water system. In addition, the pumps boost water pressure to the “Towers” dormitory complex. This water provides drinking water for the UConn Community and parts of Storrs in addition to being the source of water for fire suppression throughout the Campus. UConn has determined that the 1975 generator that serves this pumping station should be replaced due to age and degradation. The High Head Pump Station was constructed over 40 years ago.
The existing 375KW emergency generator and 1000 gallon underground fuel tank serving the High Head Pump Station and Tower loop Station a needs to be replaced due to age and degradation. New normal power & emergency power feeder will include a 7500KW/480Y/277PV 3 phase Diesel Fired Generator. The new Transformer shall be a 500KVA 13.8KV 480/277V.

The Emergency Generator Replacement @ High Head Pump Station is currently in the Design Phase. Design began in June 2017 and construction documents will be completed in March of 2018. The current schedule anticipates that the project will be bid in Spring 2017 and construction will begin in May 2018 and will be completed in Fall 2018.

The Final Budget is based on the consultant who prepared an estimate of probable cost based on the design development documents. The University requests a waiver to the three phase budget approval process to enable construction to start as soon as possible.

The Final Budget is attached for your information.

Attachment
## Capital Project Budget Reporting Form

**Type Budget:** Final

**Project Name:** Emergency Generator Replacement @ High Head Pump Station

<table>
<thead>
<tr>
<th>Budgeted Expenditures</th>
<th>Proposed</th>
<th>Final</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction</td>
<td>$737,860</td>
<td></td>
</tr>
<tr>
<td>Design Services</td>
<td>$87,140</td>
<td></td>
</tr>
<tr>
<td>Telecommunications</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Furniture, Fixtures and Equipment</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Construction Administration</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Other AE Services (including Project Management)</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Art</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Relocation</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Environmental</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Insurance and Legal</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Other Soft Costs</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

**Subtotal** $825,000

**Project Contingency** $135,000

**Total Budgeted Expenditures** $960,000

**Source(s) of Funding**

- **University Funds** $960,000

**Total Budgeted Funding** $960,000
EMERGENCY GENERATOR REPLACEMENT
@ HIGH HEAD PUMP STATION
Project Budget (FINAL)
February 21, 2018