

LRN HYDROPOWER O&M MAJOR MAINTENANCE UPDATE

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SIGNIFICANT APPROPRIATED FUNDS MAINTENANCE EFFORTS

<u>PROJECT</u>	<u>TOTAL BUDGET</u>
Barkley Intake Crane Replacement (Unfunded)	\$7.95 million (Joint)
Barkley Trash Rack Replacement (Fabrication)	\$2.9 million (Hydro Specific)
Center Hill Ventilation System	\$1.2 million (Hydro Specific)
Center Hill Spillway Elec / Mech Repair	\$5.7 million (Joint)
Center Hill Trunnion Pin and J-Seals Replacement	\$1.5 million (Joint)
Wolf Creek Monolith Leakage	\$1.125 million (Joint)
Wolf Creek Cable Tunnel Leakage	\$1.0 million (Hydro Specific)
SCADA	\$3.0 million (Hydro Specific)



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HYDRO SHARE OF JOINT COSTS

<u>PROJECT</u>	<u>Total Joint Budget</u>	<u>Hydro % of Joint</u>	<u>Hydro Share</u>
BAR/P Intake Crane Replacement (Unfunded)	\$7.95 million	7.52%	\$598 thousand
CEN/P Hill Spillway Elec / Mech	\$5.7 million	42.545%	\$2.425 million
CEN/P Trunnion Pin and J-Seals	\$1.5 million	42.545%	\$638 thousand
WOL/P Monolith Leakage	\$1.125 million	55.113%	\$620 thousand



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BARKLEY INTAKE / SPILLWAY CRANE REPLACEMENT

Scope

- Replace the intake / spillway crane

Total Project Cost

- \$7.95 million

Progress

- Requested 1% Emergency Hold Back Funds for FY19
- Will be aware in September
- Research of project crane needs has begun
- Tasking Document prepared for integrated design with HDC

Brief Schedule

- Will begin engineering design in OCT FY19
- Complete design, plans & specs by JUL FY19
- Award in SEP FY19 if funding is available and received



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BARKLEY INTAKE TRASH RACKS REPLACEMENT

Scope

- Design, Fabricate, and Install new trash racks

Total Project Cost

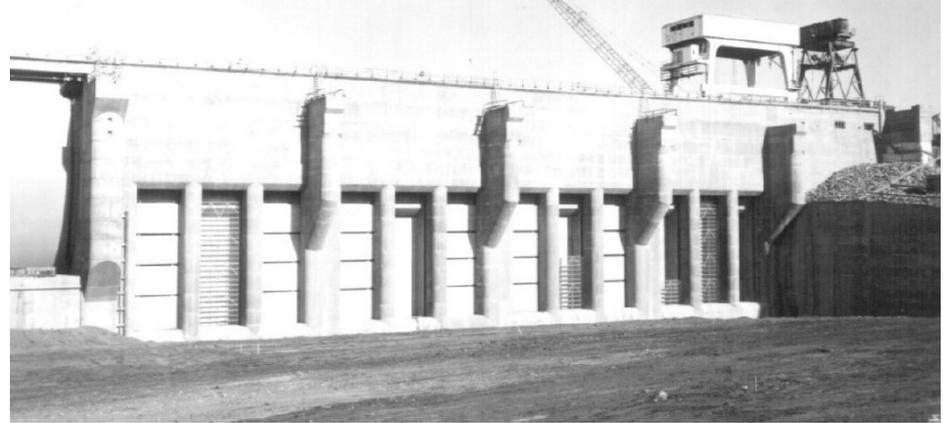
- \$2.9 million (O&M funding requested FY19)

Progress

- New design complete

Brief Schedule

- Have package to Contracting by JAN FY19
- Award contract in FY19 for fabrication & delivery
- Install in FY20 if installation is funded through O&M appropriations



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CENTER HILL TRUNNION PIN AND SEALS REPLACEMENT & SPILLWAY ELEC / MECH REPAIR

Scope

- Replace the trunnion pin for spillway gate 7
- Replace J-Seals on all 8 spillway gates
- Add metal ladders to each pier to allow for inspection and maintenance of trunnion pins
- Rehabilitation for the spillway gate machinery for each gate
- Install remote gate operating control cabinets on roadway



Total Project Cost

- \$7.2 million
 - \$5.7 million for the Spillway Gate Machinery (1% Emergency Hold Back Funds)
 - \$1.5 million for the Trunnion Pin and J-Seals (O&M Appropriations)



Progress

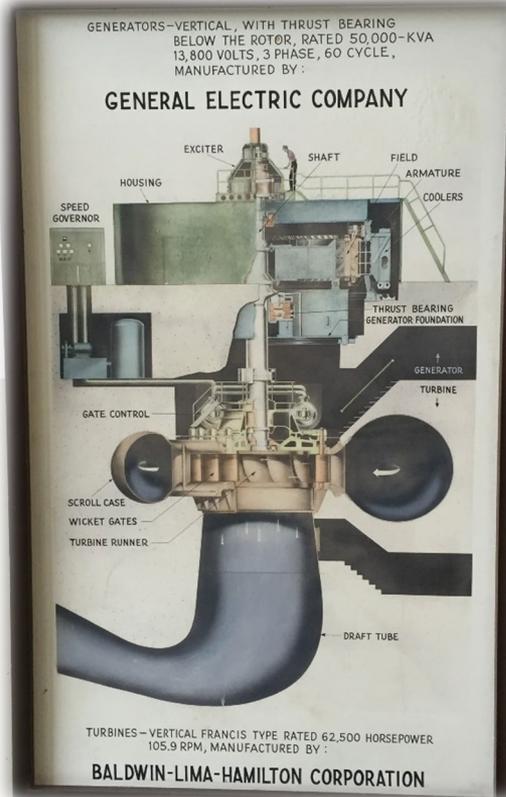
- Pending award in SEP FY18



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QUESTIONS?



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