Adit 4 Tunnel Spoils Stabilization Project
North Fork Stanislaus River Hydroelectric Project
Construction Contract Award

April 5, 2017
Facilities Committee Meeting
Location/Background of Adit 4

- Part of the tunnel between McKays Point & Collierville Powerhouse
- Over 6,000 yards of spoils eroded
Purpose of Adit 4

- Operations
- Maintenance
- Regulatory
Original Damage
Further Water Damage
Further Water Damage
Site Aerial

Current extent of toe damage
Accelerated design and permitting of repair

- Agency consultations and permitting
  - January 25th – February 24th: Posted CEQA NOE
  - January 30th: Issued ACOE exemption letter
  - January 25th: CDFW determined Project to be exempt
  - February 14th: Filed preliminary RWQCB discharge permit
    - New provision requires land-owner to sign permit prior to authorization
    - BLM reviewing
  - March 13th: Prepared SWPPP

- Original design completed February 15th
- February storms forced redesign: completed March 13th
Project Bidding

- Project contractor prequalification process
  - February 7<sup>th</sup> – 9<sup>th</sup>: Invitations and public advertising
  - February 20<sup>th</sup> – March 7<sup>th</sup>: Qualifications review
  - March 7<sup>th</sup>: Notified five (5) pre-qualified contractors
  - March 9<sup>th</sup>: Five (5) contractors attended pre-bid job walk
  - March 13<sup>th</sup>: Addendum No. 1 issued
    - January/February storm damage necessitated re-survey and re-design of lower section and revisions of specifications
  - March 15<sup>th</sup> and 16<sup>th</sup>: Addendums No. 2 and 3 issued
    - Answer to bidder’s question and SWPPP issuance
Evaluation of Bids

- Received four (4) bids on March 23rd

<table>
<thead>
<tr>
<th>Contractor</th>
<th>Responsive</th>
<th>Exclusions</th>
<th>Price</th>
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<tbody>
<tr>
<td>Ford</td>
<td>Yes</td>
<td>No</td>
<td>$2,447,507</td>
</tr>
<tr>
<td>Syblon Reid</td>
<td>Yes</td>
<td>No</td>
<td>$3,472,290</td>
</tr>
<tr>
<td>K.W. Emerson</td>
<td>Yes</td>
<td>No</td>
<td>$3,729,028</td>
</tr>
<tr>
<td>McMillen Jacobs</td>
<td>Yes</td>
<td>No</td>
<td>$4,026,691</td>
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- Ford was the low, responsive, responsible bidder
Evaluation of Bids

- Ford was $1M/$1.3M below engineer’s estimate and average of remaining bids respectively
- In post-bid discussions with Ford, they indicated no concerns:
  - with their bid, the design, nor
  - intent to make illegitimate claims
- Ford has existing master services agreement and successfully completed multiple projects for NCPA
Fiscal Impact

- Current hydro budget allocates $4.15M:
  - FY 2017: $0.5M
  - FY 2018: $3.65M
- Total Project estimate now stands at $3.46M
  - FY 2018: $3.1M construction, contingency, engineering
  - Construction engineering contract to be approved within $500,000 August 17, 2016 Commission authorization

<table>
<thead>
<tr>
<th>Activities</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction contract</td>
<td>$2,447,507</td>
</tr>
<tr>
<td>Contingency (~18%)</td>
<td>$450,000</td>
</tr>
<tr>
<td>Total</td>
<td>$2,897,507</td>
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Fiscal Impact

- Continuing consultations with insurance underwriters
  - February 9\textsuperscript{th}: determined covered loss at named facility
  - Final NCPA cost obligations dependent on actual costs minus “betterments” and $500,000 deductible
Construction Timelines

- June: Mobilization, pioneer road, water bypass
- July: Drain installs, cut-off walls, slope work
- August: Slope work
- September: Channel shotcrete, rip-rap
- October: Top side grading and valley gutters
- November: Hydroseed, demobilization
Recommendation

Authorize the General Manager to execute a public works agreement with Ford Construction, Inc. and to issue purchase orders and change orders for not to exceed $2,897,507 for construction of the Adit 4 Spoils Facility Repairs at the NCPA Hydroelectric Project.
Questions?