Relicensing & SED Update

What is happening & What’s next

TID Board Meeting | February 26, 2019
The Federal Power Act
- Section 4(e)
- Section 10(a)
- Section 10(j)
- Section 18

Electric Consumers Protection Act
- Concerned FERC’s process not adequately considering value of fish and wildlife resources

The Clean Water Act
- Section 401 of the CWA applies to hydropower project (re)licensing
- Requires applicant to obtain certification from the state water quality agency

Federal Energy Regulatory Commission
- Authority to license non-federal hydropower projects
- Renew licenses for a term of 30 to 50 years
- FERC must give “equal consideration” to developmental and non-developmental values
Don Pedro Relicensing Process

2 Cultural Resources
4 Recreation Resources
10 Terrestrial Resources
21 Water & Aquatic Resources

Scientific Research + Public & Resource Agency Input = Tuolumne River Management Plan
GOVERNING & REGULATORY AGENCIES
AGENCIES PROPOSED SOLUTIONS

Recommendations Comparing Benefits to Fall-Run Chinook Salmon

- Includes proposed non-flow measures

Recommendations Comparing Benefits to O.mykiss

- Includes proposed non-flow measures

<table>
<thead>
<tr>
<th></th>
<th>Smolts (per female spawner)</th>
<th>Required Water (TAF) Oct/Sep</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current Flow Schedule</td>
<td>6.25</td>
<td>216</td>
</tr>
<tr>
<td>USFWS*</td>
<td>10.65</td>
<td>748</td>
</tr>
<tr>
<td>NMFS*</td>
<td>10.18</td>
<td>688</td>
</tr>
<tr>
<td>Districts*</td>
<td>15.6</td>
<td>290</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Young of Year (per spawner)</th>
<th>Required Water (TAF) Oct/Sep</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current Flow Schedule</td>
<td>112</td>
<td>216</td>
</tr>
<tr>
<td>USFWS*</td>
<td>115</td>
<td>748</td>
</tr>
<tr>
<td>NMFS*</td>
<td>122</td>
<td>688</td>
</tr>
<tr>
<td>Districts*</td>
<td>179</td>
<td>290</td>
</tr>
</tbody>
</table>

2,000 Female Spawners Water Releases

500 Resident Adults Water Releases
IT'S NOT JUST 40% UNIMPAIRED FLOW

❖ Carry Over Storage Requirement
  The SED removes operational flexibility and cuts water storage in Don Pedro by 50%

❖ No Dry Year Relief
  The SWRCB does not consider dry years in their requirement of 40% unimpaired flow. This devastates our region in multiple dry years.

❖ New Compliance Points
  Due to downstream diversions outside of the Districts control, the Districts will have to put more than 40% down the river to ensure that 40% is in the River 52 miles after initial releases.
Water Quality Control Plan for the San Francisco Bay/Sacramento-San Joaquin Delta Estuary Voluntary Settlement Agreement

Tuolumne
- Habitat
- Flow
- Funding

Karla Nemeth, Director
California Department of Water Resources

Chuck Bonham, Director
California Department of Fish and Wildlife
Addendum F
Tuolumne Proposal

Terms

- Proposed FERC relicensing flows as submitted on November 14, 2018 constitute the base flows.
- FERC flows modified from 75 cfs to 125 cfs in critical and dry water years and reduce FERC flows from 350 cfs to 300 cfs in wet, above normal and below normal years from June 1 to October 15.
- Flood plain pulse flows as follows:
  - 2,750 cfs for 20 days in W and AN WYs with decision on WY type in March using SJR Index 60-20-20 at 90% exceedance for floodplain pulse.
  - 2,750 cfs for 18 days in BN WYs with decision on WY type in March using SJR Index 60-20-20 at 90% exceedance for floodplain pulse.
  - 2,750 cfs for 14 days in D WYs with decision on WY type in March using SJR Index 60-20-20 at 90% exceedance for floodplain pulse.
  - 2,750 cfs for 9 days in C WYs with decision on WY type in March using the SJR Index 60-20-20 at 90% exceedance for floodplain pulse.
  - Dry and critical year off ramps.
- Predation barrier and counting weir to be designed in consultation with DFW and may be constructed with permanent concrete abutments and necessary appurtenances and will be a part of annual predation suppression activities.
- Develop initial feasibility studies within 2 years to develop additional supplies for river flows. Implementation is subject to mutual agreement of the parties.
### Amendment to the resolution

**SWRCB has asked staff to:**

- Assist the California Natural Resources Agency in completing a Delta watershed-wide agreement
- Incorporate the above agreement as an alternative for a future, comprehensive Bay-Delta Plan update

<table>
<thead>
<tr>
<th>Projected Timeline</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>March 2019</strong></td>
</tr>
<tr>
<td>• Delta watershed-wide agreement complete</td>
</tr>
<tr>
<td><strong>December 2019</strong></td>
</tr>
<tr>
<td>• Present comprehensive Bay-Delta Plan update to SWRCB</td>
</tr>
</tbody>
</table>
IN THE COURTROOM

SAN JOAQUIN TRIBUTARIES AUTHORITY

OAKDALE IRRIGATION DISTRICT

SID WATER & POWER SEWER

Services of the San Francisco Public Utilities Commission
WHAT ARE WE DOING: TID’S RESPONSE

- FERC Issued DEIS
- Protecting legal interest
- Advocate for SWRCB adoption of terms with Resource Agencies
- TIDSED.com
- TIDDONPEDRO.com
FERC Public Meetings for DEIS Comments

- **DATE:** Tuesday, March 26, 2019
- **MEETING TIMES:** 1-4 p.m. and 7-9 p.m.
- **LOCATION:** Double Tree Hotel  
  1150 Ninth Street, Modesto CA