OROVILLE DAM CITIZENS ADVISORY COMMISSION

Hosted by the California Natural Resource Agency
ITEM 1: ROLL CALL
ITEM 2: KICK-OFF AND INTRODUCTIONS
ITEM 3: CHARTER OVERVIEW
KEY ELEMENTS

- **Membership** - stipulated in legislation (see Roster)
- **Term** – 3 years
  - Legislators – duration of their term in office
- **Responsibilities**
  - Represent the public
  - Receive information from and provide input to Dam Operator and other state officials
  - Advisory – Commission does not make regulations/rules regarding dam operations
  - Publish a Report at least once every three years
KEY ELEMENTS

• Report
  • Overview of ongoing maintenance and improvements at dam/complex
  • Register of communications received from State Agencies, other parties
  • Notice of upcoming plans made by State Agencies for the dam/complex
  • Overview of flood management projects on Feather River affecting safety
    and flood risk reduction

• State Agency Responsibilities
  • Provide facility site visits
  • Provide information reasonably requested by Commission (dam
    construction, rehabilitation, operation, maintenance, management)
KEY ELEMENTS

• Meetings
  • Quarterly meetings
  • Open to public; subject to Bagley-Keene Open Meeting Act; opportunity for public comment at every meeting
  • Led by chair or vice chair
  • Meeting coordinator to track action items and prepare key outcomes-focused summaries (reviewed by Commission volunteers and approved by chair/vice chair before posting)
• Decorum
CHARTER

Clarifying questions?
ITEM 4: OROVILLE DAM OVERVIEW
Our Mission

To sustainably manage the water resources of California in cooperation with other agencies, to benefit the state’s people, and to protect, restore, and enhance the natural and human environments.
Oroville Dam and the State Water Project

- Nation’s largest state-built, multi-benefit, water conveyance system
- More than 700 miles of aqueducts, canals, tunnels and pipelines
- 35 storage facilities, 21 pumping plants, 4 pumping generating plants, 5 hydroelectric power plants
Marysville surrounded by flood waters from Feather and Yuba rivers.

- 1919 – Statewide water plan
- 1933 – Central Valley Project Act
- 1951 – Feather River Project authorized
- 1955 – Flood in Yuba City, 64 lives lost
- 1957 – Oroville construction begins
- 1958 – Burns-Porter Act passed
- 1960 – California voters approve bond act
- 1962 – Federal funding for flood control
- 1968 – Oroville Dam completed
Oroville Yesterday and Today

Over 19,000 population today

6,000 population in 1960
Public Safety Laws and Regulations

US Army Corps of Engineers

CA Division of Safety of Dams

Federal Energy Regulatory Commission
Flood Control

- Oroville Operations Coordinated with Yuba Water Agency during flood events
- Orange line indicates the beginning of State Plan of Flood Control Levees
Oroville Public Participation Forums

CNRA
Orovile Dam Citizens Advisory Commission

ORAC
Oroville Recreation Advisory Committee (ORAC)

ORV

DWR
Oroville Dam Safety Comprehensive Needs Assessment

DWR
DWR Community Outreach Program

DWR

SBF
Supplemental Benefits Fund

FRRFMP
Feather River Region Flood Management Plan
Benefits Provided By the Oroville Facility

- Flood Management
- Water Supply
- Power Generation
- Environmental
- Recreational
Water Supply

Lake Oroville Water Releases 2018

- 39%
- 30%
- 22%
- 9%

How Water Released from Lake Oroville is Used

- In-Stream Requirements
- Local Agriculture
- In-Basin Use
- Delta Export
Flood Management

Pre-Oroville Dam

December 1955 Feather River Flood ~ 203,000 cfs

38 lives lost in Yuba City Area
203,000 cfs

INFLOW 440,000 cfs

Actual Flood Reduction and Avoidance of Loss of Life and Damage over the Last 50 years

<table>
<thead>
<tr>
<th>Year</th>
<th>INFLOW</th>
<th>OUTFLOW</th>
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<tbody>
<tr>
<td>1955</td>
<td>250,000 cfs</td>
<td>150,000 cfs</td>
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<td>1964</td>
<td>266,000 cfs</td>
<td>157,000 cfs</td>
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<td>1986</td>
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<td>150,000 cfs</td>
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<tr>
<td>1997</td>
<td>190,000 cfs</td>
<td>160,000 cfs</td>
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<tr>
<td>2017</td>
<td>100,000 cfs</td>
<td>100,000 cfs</td>
</tr>
</tbody>
</table>

Flow Rate (V/t)

Time (t)

Inflow Hydrograph

Outflow Hydrograph

Flow (cfs)
Power Generation
Environmental
Recreation
Dam Safety Activities

- Owner’s Dam Safety Program
- Inspections
- Instrumentation
- Independent review
- Coordination with Local Emergency Management Agencies
Current Major Activities

- Spillway Recovery
- Thermalito Reconstruction
Current Major Activities

- Public Access Restoration
- Recreation Project Construction
Current Major Studies and Assessments

- Oroville Dam Safety Comprehensive Needs Assessment
- Level 2 Risk Assessment
- Tenth 5-year FERC Independent Consultant Safety Review
- Forecasted Informed Reservoir Operations
Current Major Studies and Assessments

Durations for each effort are approximate.

- **CNA**
  - Select CNA Projects; Conduct EIR
  - Design & Permitting
  - Construct

- **Water Control Manual Update**
  - Preliminary discussions, Data sharing

- **FIRO**
  - Phase 1
  - Phase 2

- **Phase 1** Construct
  - FIRO

2020 2025
FERC Re-licensing and Settlement Agreement

• Existing License
  - Currently Renewed Annually

• New License
  - Application made to FERC in 2006
  - NMFS Biological Opinioned completed in 2016
  - What changes with the New License

• 2006 Settlement Agreement
FERC Re-licensing and Settlement Agreement

- Settlement Agreement Contents
  - Recreation
  - Environmental
  - Cultural
  - Land Use

- Settlement Agreement
  - Early Implementation Activities
  - Recent Projects
  - Additional Projects with the new License
Questions
ITEM 5: PREPARATIONS FOR FUTURE COMMISSION MEETINGS

a) Discussion of potential agenda items for future meetings
ITEM 5: PREPARATIONS FOR FUTURE COMMISSION MEETINGS

b) Vote on Vice Chair
ITEM 5: PREPARATIONS FOR FUTURE COMMISSION MEETINGS

c) Selection of meeting summary review volunteers
ITEM 6: PUBLIC COMMENT

The Oroville Dam Citizens Advisory Commission will now take public comment.

We appreciate your input.
ITEM 7: ADJOURN

Thank you for attending.