



**Sonoma  
Water**

## Russian River Forecast Informed Reservoir Operations Update

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# ***Russian River Reservoirs***

## **Dual Purpose Facilities**

- Flood Protection (USACE)
- Water Supply (Sonoma Water)
- Operations Dictated by Storage Levels Relative to “Rule Curve”

## **Lake Mendocino (Coyote Valley Dam)**

Flood Control Pool: 48,100 AF

Water Supply Pool:

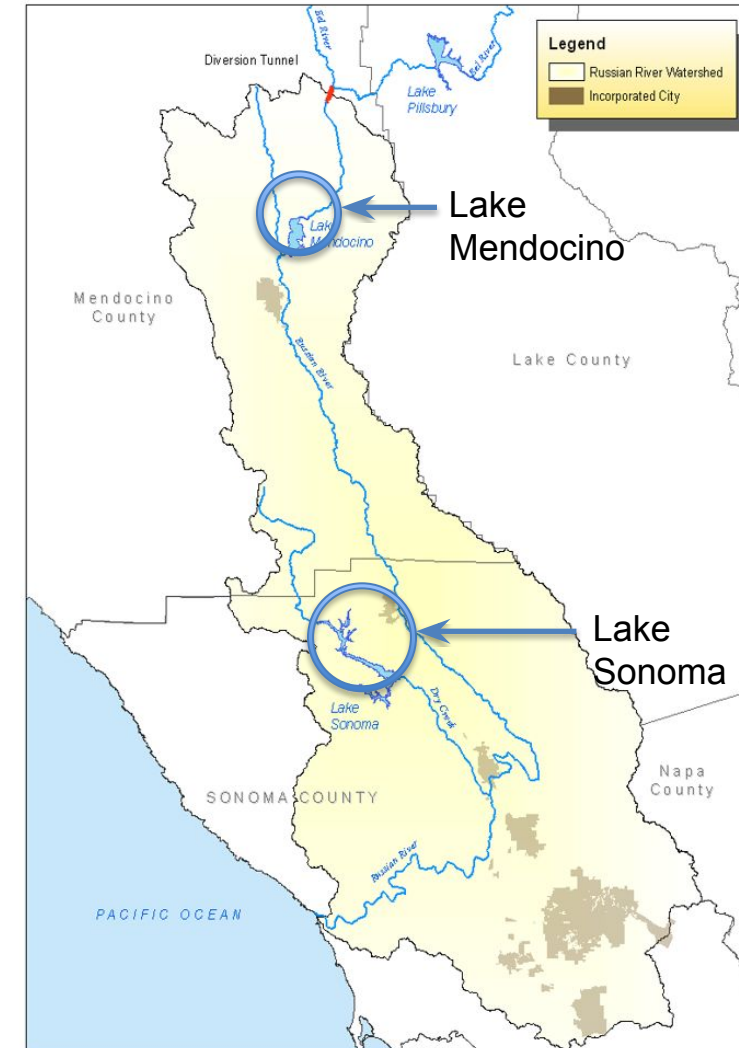
Nov. – March 68,400 AF

May – October 111,000 AF

## **Lake Sonoma (Warm Springs Dam)**

Flood Control Pool: 136,000 AF

Water Supply Pool: 245,000 AF





# Potter Valley Hydroelectric Project

## 1922 - 2006

- Average Annual Transfer  
Approximately 150,000 AF/Year

## 2007 – 2021

- Average Annual Transfer  
Approximately 60,000 AF/Year

## April 2022

- FERC Operating License Expires

## May 2022

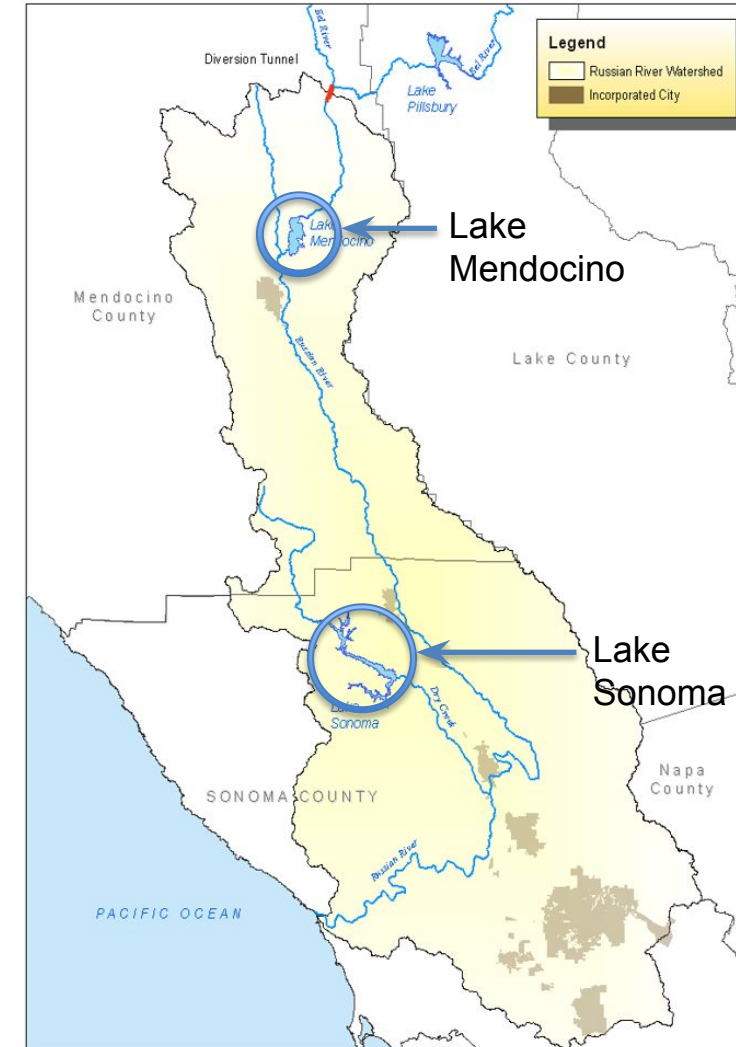
- FERC Issues Order Requiring PG&E to Prepare a Schedule and Workplan for Surrendering the License



# *Status of Russian River FIRO Activities*

## Lake Mendocino (Coyote Valley Dam)

- Final Viability Assessment Published February 2021
- Operational Testing Through Major Planned Deviations to the WCM
- FVA Establishes a Pathway for Updating the WCM
- FVA Recommendation – Include FIRO Pool with Modified Hybrid EFO Model
- Allows Pre-Releases into the Water Supply Pool Following Consultation with Sonoma Water and NMFS
- Army Corps has Initiated WCM Update with Support from HDR
- Draft Update Anticipated February 2023
- Final Update Anticipated December 2023



# *Status of Russian River FIRO Activities*

## Lake Sonoma (Warm Springs Dam)

- Workplan to Evaluate Viability of FIRO Completed March 2022
- Workplan Implementation is Anticipated to be Completed by Spring 2023
- Two Configurations for WSD will be Evaluated:
  - ✓ Existing Configuration; and
  - ✓ Second Outlet to Release Water Upstream of Dry Creek.
- Additional Considerations:
  - ✓ Dry Creek Ecosystem Restoration
  - ✓ Warm Springs Dam Fish Hatchery Water Temperatures; and
  - ✓ Coordination with Coyote Valley Dam Operations

