Status Report on Water Development Projects

State Water Resources Control Board

May 6, 2008

Pam Jeane,
Deputy Chief Engineer-Operations
Sonoma County Water Agency

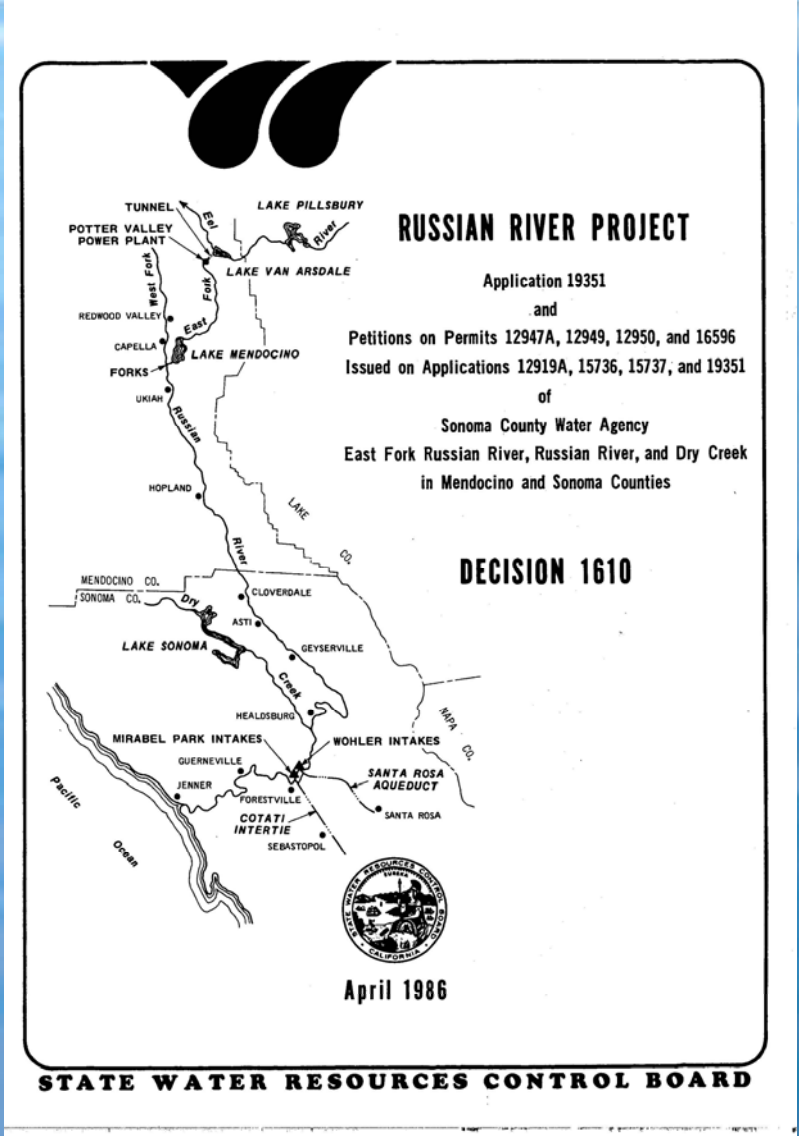
Russian River Water System

Emerging Issues Affecting Decision 1610 Instream Flow Requirements

- Recent Changes in Operation of Potter Valley Project
- Increased Diversions from Russian River
- Recent Listing of Three Species Under ESA
- Other Hydrologic Changes May be Occurring Due to Climate Change

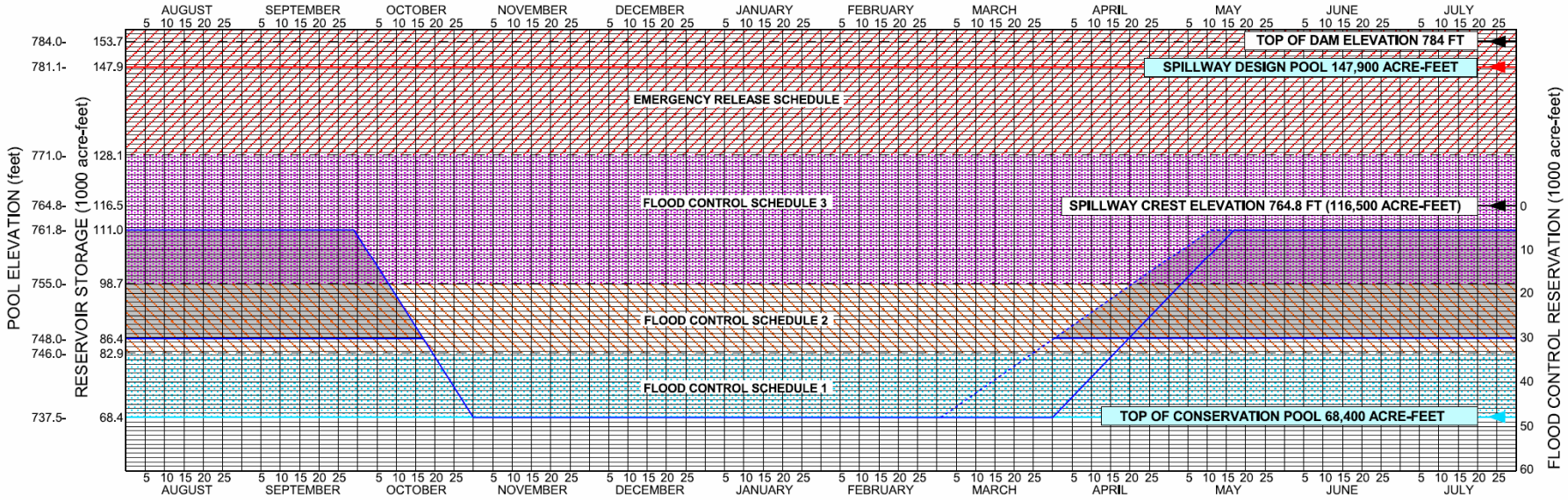
Process for Amending Decision 1610

- Public Outreach
- Preparation and Certification of EIR
- State Board Decision Process



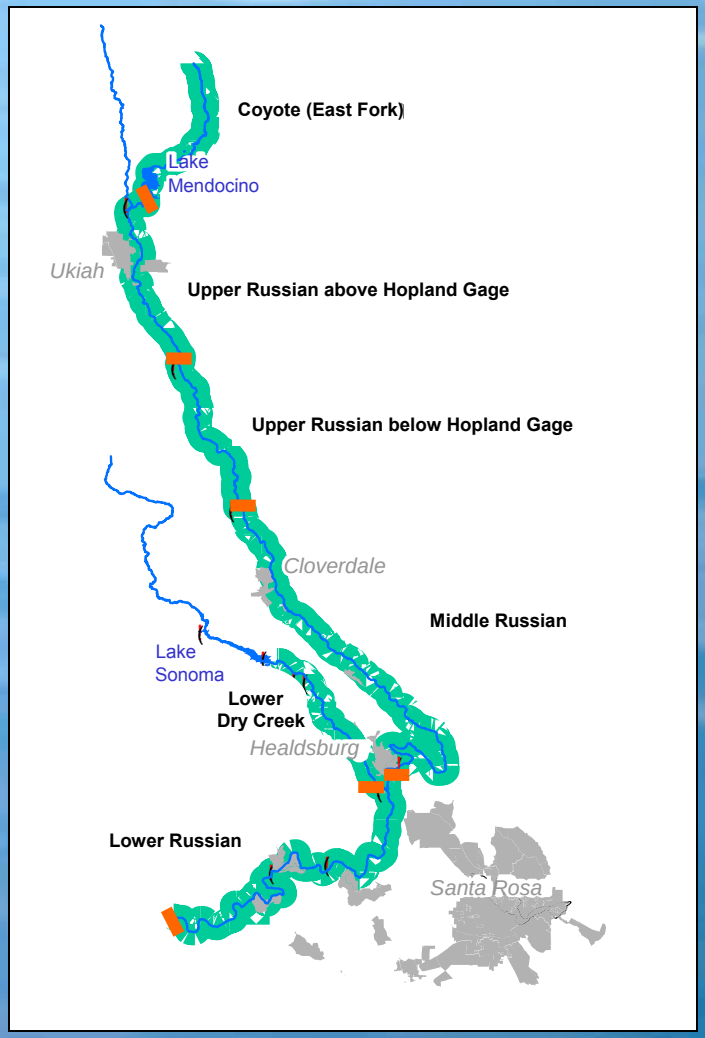
Operational Changes at Lake Mendocino

- Transferring Control of Releases from COE to SCWA earlier in March of Each Year
- Raising Summer Pool Elevation Above its Normal Summer Level of 748 Feet for Increased Water Supply Storage



Water Rights Accounting Program

- Spatial extents within Russian River
  - Russian River mainstem
  - Dry Creek
  - Potter Valley
- Evaluate nexus of:
  - Water Rights, Demands and Availability
- Schedule
  - Part I-Prototype Development
    - March 07-June 08
  - Part II- Data Development and Integration
    - July 08-June 09?



Program Dataset Development

Demands	Data Source
Municipal / Industrial	Updated Records & Projections
Agricultural	Analysis using Remote Sensing and extensive land use digitization

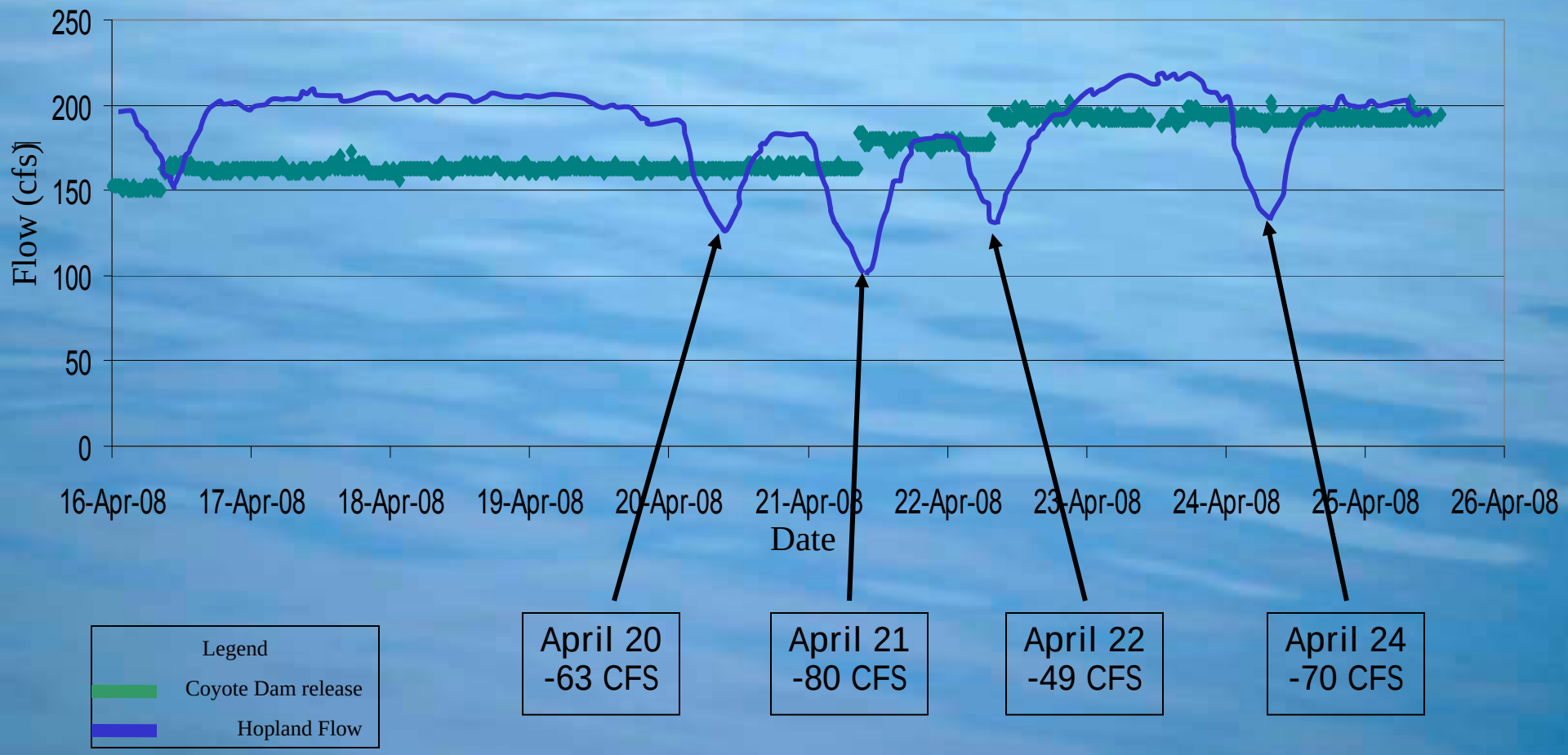
Rights	Data Source
Riparian	Spatial analysis of parcels adjacent to riverbanks
Appropriative	Enhanced plotting of PODs and digitized POU maps

Vineyard Digitization

Place of Use Digitization

Russian River Flows

USGS Gauge near Hopland



Potential Actions to Manage Streamflows - SWRCB

- Evaluate Feasibility of Requiring Storage for Frost Protection
- Proactively Support Recycled Water Projects
- Consider Requiring Water Users to Provide Schedule of Diversions

Potential Actions to Manage Streamflows - SCWA

- Provide Expertise to Water Users
- Share in Cost of Demand Studies
- Help Develop Recycled Water Projects in Region
- Dry Creek Ag Water Users Example

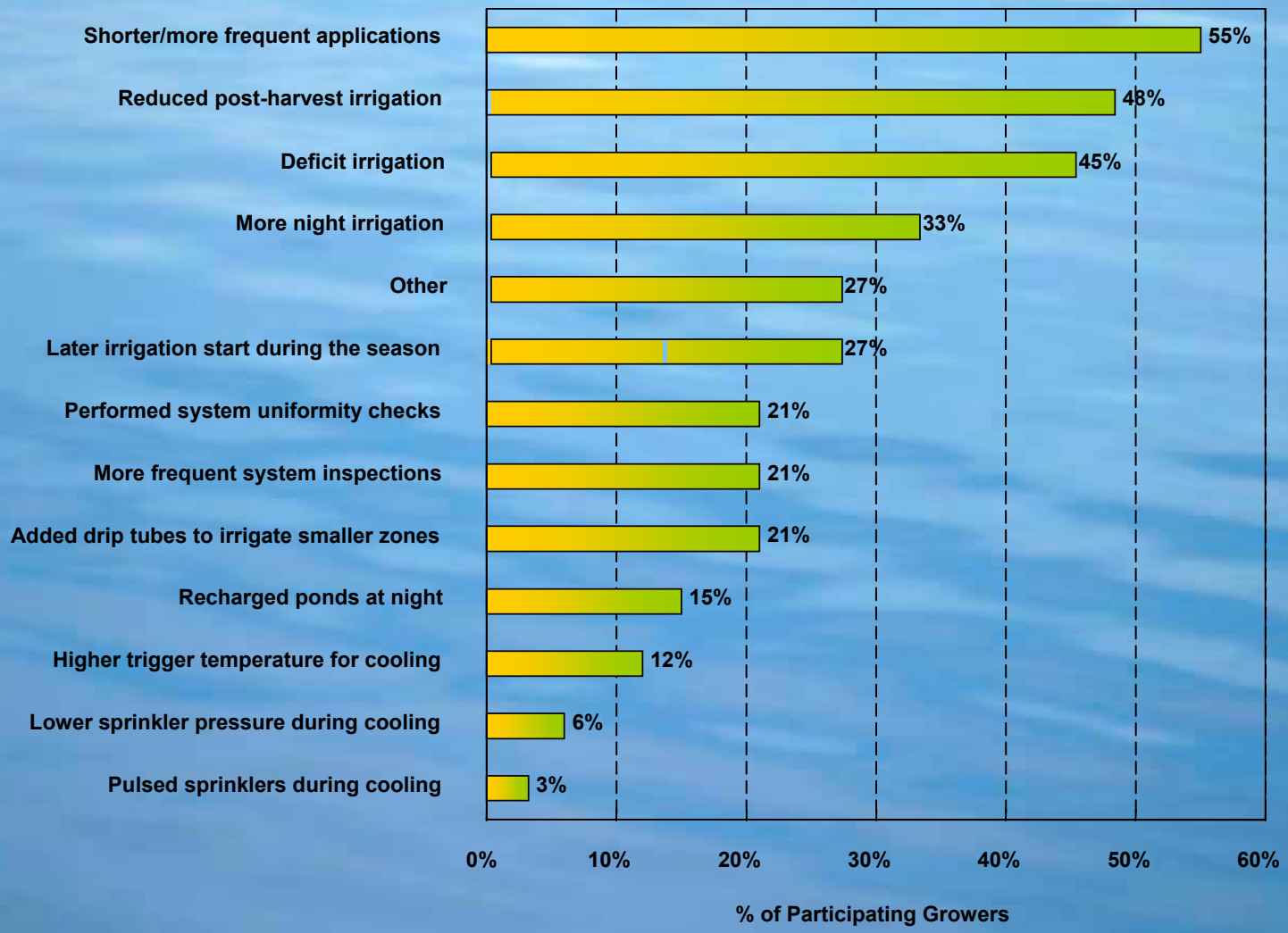
Potential Actions to Manage Streamflows - Water Users

- Reduce Peaks in Demand
- Participate in Initiatives Similar to Dry Creek Valley
- Use Recycled Water When Available and Appropriate

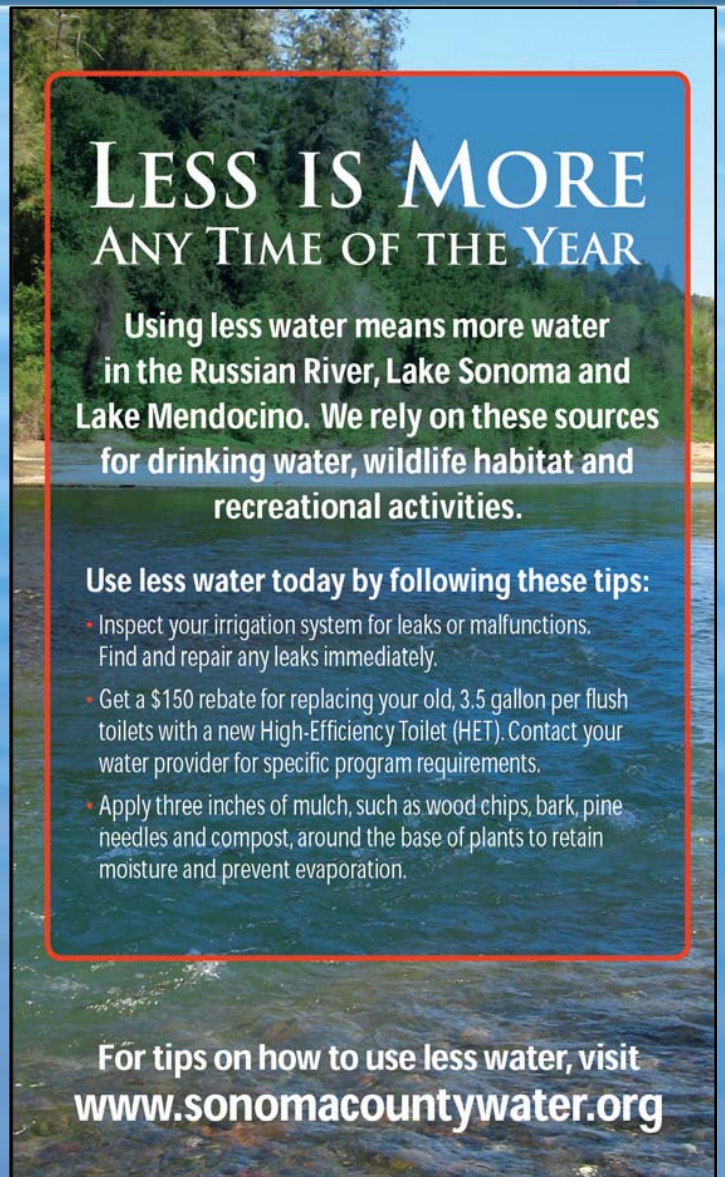
Community Efforts

- Salmon Coalition
- Dry Creek Agricultural Water Users
- Agricultural Community Outreach

Irrigation Practices Adopted or Changed for 2007



Water Conservation



CUWCC 14 BMPs

- BMP 1 – Residential Water Survey
- BMP 2 – Residential Plumbing Retrofit
- BMP 3 – System Water Audits, Leak Detection and Repair
- BMP 4 – Metering with Commodity Rates
- BMP 5 – Large Landscape Programs and Incentives
- BMP 6 – High-Efficiency Clothes Washer Rebates
- BMP 7 – Public Information Programs

CUWCC 14 BMPs (continued)

- BMP 8 – School Education Programs
- BMP 9 – Conservation Programs for Commercial, Industrial, and Institutional Accounts
- BMP 10– Wholesaler Conservation Programs
- BMP 11 – Conservation Pricing
- BMP 12 – Conservation Coordinator
- BMP 13 – Water Waste Prohibition
- BMP 14 – Residential ULFT Replacement Programs

Measures Beyond CWCC BMPs

- New Development Standards
- Cash for Grass (turf removal program)
- Smart Irrigation Controller Rebates
- Synthetic Turf Rebate
- High Efficiency Toilet (HET)
- Smart Irrigation Controller
- Hot Water on Demand

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