



***Urban Water Management Planning Act  
California Water Code 10610-10656***

*(Does not include Sustainable Water Use and Demand Reduction  
(SBx7-7) requirements : CWC 10608 – 10608.50)*



# Urban Water Management Planning Act

## *Regional Plan and Coordination – Water Code § 10620 (d)(1)(2)*

- ◆ An agency may participate in an areawide, regional, watershed or basinwide urban water management plan
- ◆ Describe the coordination of the plan preparation with other appropriate agencies (wholesalers, other retailers, wastewater agencies, planning agencies, LAFCO, etc.)



# Urban Water Management Planning Act

*Maximize Resources - Minimize Imports – WC 10620(f)*

- Describe how water management tools and options maximize resources & minimize need to import water

*Adoption - WC § 10621(a)*

- Update and adopt plan once every 5 years

*Public Notice - WC § 10621(b)*

- Provide 60-day notification to any city or county within service area of UWMP review and revision

# Urban Water Management Planning Act

## *Service Area Description - WC § 10631 (a)*

- ◆ Provide current and projected population in 5-year increments for 20 years
- ◆ Population projections shall be based on data from a state, regional or local service agency (Population projections should be same as those developed for SBx7-7 calculations)
- ◆ Describe climate characteristics that affect water management
- ◆ Describe other demographic factors affecting water management

# Urban Water Management Planning Act

## *Water Supply By Sources - WC § 10631 (b)*

- 💧 Identify existing and planned water supply sources, to the extent practicable
- 💧 For 20 Years at 5-Year Intervals
- 💧 Provide current water supply quantities
- 💧 Provide planned water supply quantities

# Urban Water Management Planning Act

*Groundwater - WC §10631 (b)(1-2)*

Agency that uses or plans to use groundwater, UWMP is to include:

- ◆ (1) A copy of the groundwater management plan(s) adopted by the supplier ;  
    Or any other specific authorization(s) for groundwater management
- ◆ (2) A description of basin or basins
- ◆ If Basin is adjudicated...
  - ◆ Attach order or decree
  - ◆ Quantify amount of legal pumping right

# Urban Water Management Planning Act

## *Groundwater - WC §10631 (b)(2)*

- Does DWR identify or project the basin to be in overdraft. (Although this is in the Water Code, DWR has not published basin overdraft status since 1980)
- Bulletin 118-2003  
(<http://www.water.ca.gov/groundwater/bulletin118/bulletin118update2003.cfm> )
- Include a detailed description of efforts being undertaken to eliminate long-term overdraft

# Urban Water Management Planning Act

## *Groundwater - WC §10631 (b)(3-4)*

- (3) Provide description and analysis of location, amount and sufficiency, of groundwater pumped for the last five years
- (4) Provide description and analysis of location and amount of projected groundwater pumping for 20 years, at 5-Year intervals

# Urban Water Management Planning Act

## *Supply Reliability - WC §10631 (c) (1-2)*

- (1) Describe the reliability of the water supply and vulnerability to seasonal or climatic shortage
- Provide data for (A) average water year, (B) single dry water year, (C) multiple dry water years (3 yrs)
- Provide the basis of water year data
- Describe plans to supplement or replace inconsistent sources (supply not available due to legal, environmental, water quality, or climatic factors) with alternative sources or DMMs

# Urban Water Management Planning Act

## *Exchanges and Transfers - WC §10631 (d)*

- Describe opportunities for short term and long term exchange or transfer opportunities



# Urban Water Management Planning Act

## *Water Uses By Sectors - WC §10631 (e)(1-2)*

- Quantify past (2005) water use by sector
- Quantify current (2010) water use by sector
- Quantify projected water use for 20 years at 5-year intervals (2015, 2020, 2025, 2030) water use by sector
- Projected 2015 and 2020 must meet SBx7-7 targets

# Urban Water Management Planning Act

- ◆ The Water Use Sectors Defined - WC §10631(e)(1)(A-I):
  - ◆ (A) Single family Residential
  - ◆ (B) Multi-family Residential
  - ◆ (C) Commercial
  - ◆ (D) Industrial
  - ◆ (E) Institutional and Governmental
  - ◆ (F) Landscape
  - ◆ (G) Sales to other agencies
  - ◆ (H) Saline Barriers, Groundwater Recharge, Conjunctive use, any combination thereof
  - ◆ (I) Agriculture
  
- ◆ System Losses



## Urban Water Management Planning Act

### *Demand Management Measures - WC § 10631(f)(1-4)*

- ◆ (1) Provide a description of DMM implemented or scheduled for implementation and steps necessary to implement
- ◆ (2) Provide schedule of implementation for all DMMs proposed or described
- ◆ (3) Provide a description of methods used to evaluate effectiveness (Note: if no methods used, provide an explanation)
- ◆ (4) Provide an estimate of existing conservation savings (Note: if not available, provide an explanation)



# Urban Water Management Planning Act

*DMMs - WC § 10631(f)(1)(A-G)*

- 💧 (A) Water survey program for SFR and MFR
- 💧 (B) Residential plumbing retrofit
- 💧 (C) System water audits, leak detection and repair
- 💧 (D) Metering with commodity rates for new and retrofit for existing connections
- 💧 (E) Large landscape conservation program
- 💧 (F) High efficiency washing machine rebate program
- 💧 (G) Public information program



# Urban Water Management Planning Act

*DMMs - WC § 10631(f)(1)(H-N)*

- 💧 (H) School education program
- 💧 (I) Conservation programs for C I I
- 💧 (J) Wholesale agency programs
- 💧 (K) Conservation pricing
- 💧 (L) Water conservation coordinator
- 💧 (M) Water waste prohibition
- 💧 (N) Residential ultra low-flow toilet replacement program



# Urban Water Management Planning Act

*DMMs - WC § 10631(g)(1-4)*

- 💧 (g) Provide a evaluation for any DMM not implemented or scheduled for implementation. The evaluation shall:
  - 💧 (1) Consider economic and noneconomic factors including environmental, social, health, customer impact and technological factors
  - 💧 (2) Include a cost-benefit analysis
  - 💧 (3) Include a description of funding available to implement any planned water supply project
  - 💧 (4) Include a description of legal authority to implement and efforts to work with relevant agencies



## Urban Water Management Planning Act

### *Water Supply Projects - WC § 10631(h)*

- Include a description of water supply projects and programs, other than the DMMS, to be implemented to increase water supply.
- Provide implementation timeline
- Provide estimated yield for an average year, single dry year, and multiple dry water years

# Urban Water Management Planning Act

## *Development of Desalinated Water - WC §10631(i)*

- 💧 Describe opportunities for development of desalinated water, including, but not limited to, ocean water, ocean water, groundwater



## Urban Water Management Planning Act

*CUWCC members and DMM reporting - WC §10631(j)*

- 💧 CUWCC members may provide their biannual reports in lieu of DMM reporting.
- 💧 Members must comply with the requirements of the MOU
- 💧 Biannual reports must show compliance with implementation of BMP or exemption for BMP



## Urban Water Management Planning Act

*Wholesale - Retail Agencies Information Exchange*  
*WC §10631 (k)*

- ◆ Agency that receives or plans to receive wholesale water is to provide written water use projections to wholesaler in 5-year increments, up to 20 years
- ◆ Wholesaler shall provide water supply availability projections, by source, to agency, at 5-year intervals up to 20 years
- ◆ Wholesaler shall provide reliability of wholesale supply

# Urban Water Management Planning Act

## *Lower Income Housing - WC §10631.1(a)*

- ◆ New requirement as amended by SB 1087
- ◆ Agency is to confirm water demands provided in water use section include deliveries to lower income single-family residential and lower income multifamily residential

# Urban Water Management Planning Act

## *Water Shortage Contingency Plan - WC § 10632 (a)(1-3)*

- ◆ The UWMP shall provide an urban water shortage contingency analysis which includes:
  - ◆ (1) Stages of action to be taken in response to water supply shortage (up to 50% reduction of supply) and water supply conditions applicable to each stage
  - ◆ (2) Estimate of minimum water supply available during each of next three years based on the driest three-year historic sequence
  - ◆ (3) Actions to be taken during a catastrophic interruption of water supply including regional power shortage, earthquake or other disaster



## Urban Water Management Planning Act

### *Water Shortage Contingency Plan - WC § 10632 (a)(4-6)*

- ◆ (4) Mandatory prohibitions of water use during shortages, including but not limited to prohibiting use of potable water for street cleaning
- ◆ (5) Consumption reduction methods in most restriction stages and that provides ability to achieve a water use reduction consistent with up to 50 percent reduction in water supply
- ◆ (6) Penalties and charges for excessive use, where applicable



# Urban Water Management Planning Act

## *Water Shortage Contingency Plan - WC § 10632 (a)(7-9)*

- ◆ (7) An analysis of the impacts on revenues and expenditures of the actions described in paragraphs (1) through (6) and proposed measures to overcome those impacts, such as development of reserves and rate adjustments
- ◆ (8) Draft water shortage contingency resolution or ordinance
- ◆ (9) Mechanisms to determine actual reductions



# Urban Water Management Planning Act

## *Water Shortage Contingency Plan - WC § 10632 (b)*

- Commencing with the UWMP due December 31, 2015, for purposes of developing water shortage contingency analysis, the urban water supplier shall analyze and define water features that are artificially supplied with water, including ponds, lakes, waterfalls, and fountains

# Urban Water Management Planning Act

## *Wastewater and Recycling - WC § 10633(a)*

- ◆ The UWMP shall provide information on recycled water and its potential use. The preparation of the plan shall be coordinated with local water, wastewater, groundwater, and planning agencies that operate within service area and shall include:
  - ◆ (a) Description of the wastewater collection and treatment system(s) in the supplier's service area including
    - ◆ Quantification of wastewater collected and treated
    - ◆ Methods of wastewater disposal



## Urban Water Management Planning Act

### *Wastewater and Recycling - WC § 10633(b-c)*

- 💧 (b) Description of the quantity of treated wastewater that meets recycled water standards, is being discharged and is otherwise available for a recycled water project
- 💧 (c) Description of recycled water currently being used in the supplier's service area, including but not limited to, type, place and quantity of use

# Urban Water Management Planning Act

## *Wastewater and Recycling - WC § 10633(d-e)*

- (d) Description and quantification of potential uses, including but not limited to, agricultural or landscape irrigation, wildlife habitat enhancement, wetlands, industrial reuse, groundwater recharge, indirect potable reuse and other appropriate uses which regard to technical and economic feasibility of serving those uses
- (e) Projected use of recycled water at the end of 5, 10, 15 and 20 years, and a description of actual recycled water use in comparison to use previously projected



## Urban Water Management Planning Act

### *Wastewater and Recycling - WC § 10633(f-g)*

- 💧 (f) Description of actions, including financial incentives, that can be taken to encourage use of recycled water and the projected results of these actions in terms of acre-feet of recycled water used per year
- 💧 (g) A plan for optimizing use of recycled water including actions to facilitate installation of dual distribution systems, to promote recirculating uses, to facilitate the increased use of treated wastewater that meets recycled standards, and to overcome any obstacles to achieving that increased use



# Urban Water Management Planning Act

## *Water Quality - WC § 10634*

- ◆ Include information related to water quality of existing sources over the same five-year increments
- ◆ Discuss manner in which water quality affects water management strategies and supply reliability

# Urban Water Management Planning Act

## *Projections and Hydrologic Conditions - WC § 10635(a)*

- Compare the projected normal water supply to projected normal water demand over the next 20 years, in 5-year increments
- Compare the projected single-dry year water supply to projected single-dry year water demand over the next 20 years, in 5-year increments
- Compare the projected multiple-dry year water supplies to projected multiple-dry year water demands over the next 20 years, in 5-year increments

# Urban Water Management Planning Act

## *Reliability notification - WC § 10635(b)*

- Provide Water Service Reliability section of UWMP to cities and counties within which it provides water supplies within 60 days of UWMP submission to DWR



# Urban Water Management Planning Act

## *Public participation and adoption - WC § 10642*

- ◆ Encourage involvement of social, cultural & economic community groups
- ◆ Prior to adoption, make the plan available for public inspection and hold a public hearing
- ◆ Provide proof of public hearing
- ◆ Provided meeting notice to local governments
- ◆ Attach a copy of adoption resolution

# Urban Water Management Planning Act

## *Implementation Schedule – WC § 10643*

- 💧 Review implementation plan and schedule of 2005 UWMP
- 💧 Implemented in accordance with the schedule set forth in plan

## *Submittal of Plans - WC § 10644 (a)*

- 💧 Provide 2010 UWMP to DWR, cities and counties, and the State Library within 30 days of adoption

## *Availability to public - WC § 10645*

- 💧 Within 30 days of submittal to DWR, make plan available for public review



# Urban Water Management Planning Act

## *Legal information*

### *WC § 10650*

- 💧 Provides guidance to interested parties regarding timeline for legal action

### *WC § 10651*

- 💧 Defines grounds of noncompliance of plan

### *WC § 10651*

- 💧 CEQA does not apply to preparation and adoption of plans



## Urban Water Management Planning Act

### *Funding and drought assistance – WC § 10656*

- 💧 An urban water supplier that does not prepare, adopt and submit its UWMP to the department is ineligible to receive funding\* or drought assistance from the state until the UWMP is submitted

\*(pursuant to Division 24 Section 78500 or Division 26 Section 79000)



# Urban Water Management Planning Act

Sergio Fierro

Southern Region (Glendale)

[sergiof@water.ca.gov](mailto:sergiof@water.ca.gov)

Peter Brostrom, Program Manager

Water Use and Efficiency

(916) 961-7034

[brostrom@water.ca.gov](mailto:brostrom@water.ca.gov)

Gwen Huff

Water Use and Efficiency

(916) 651-9672

[ghuff@water.ca.gov](mailto:ghuff@water.ca.gov)

[www.water.ca.gov/urbanwatermanagement/](http://www.water.ca.gov/urbanwatermanagement/)