

Urban Technical Methodologies and Compliance Year Adjustments

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DWR tasked with developing 6 technical methodologies for calculating baselines and 3 compliance year adjustments

➤ 6 technical methodologies

Gross Water Use

Service Area Population

Baseline Daily per Capita Use

Baseline Daily Commercial, Industrial and Institutional

Landscape Area Water use

Indoor Residential Water Use

Methodologies are to be posted on DWR's website by Oct 1, 2010

3 Compliance Year Adjustments

- Differences in ET and rainfall between compliance year and the baseline period
- Substantial changes in commercial, industrial and institutional water use from increased business output and economic development
- Substantial changes in institutional water use due to fire service or other extraordinary events

➤ General Baselines

- Gross Water Use
- Service Area Population
- Base Daily per Capita Use

➤ Target Method 2

- Baseline Daily Commercial, Industrial and Institutional
- Landscape Area Water Use
- Indoor Residential Water Use

Gross Water Use

- Defined in SBx7-7 as the total volume of water treated or untreated entering the distribution system of an urban retail water supplier
- $\text{Gross Water Use} = (\text{Total Water}) - (\text{Ag Water}) - (\text{Recycled Water}) - (\text{Storage}) - (\text{Transfers})$

Service Area Population



Baseline Daily Per Capita Use

➤ Defined as:

$(\text{Gross Water Use}) \div (\text{Service Area Population})$



Baseline Daily Commercial Industrial and Institutional Water Use

➤ Defined as:

Water suppliers base daily per capita water use for commercial, industrial and institutional water users

Landscape Area Water Use

- Considers only landscape irrigated through dedicated or residential meters
- Calculated through the use of Satellite imagery, site visits, or best available technology to develop an accurate estimate of landscape area.

Indoor Residential Water Use



Criteria for Compliance Year Adjustments

- Differences in ET and rainfall between the compliance year and baseline period
- Substantial changes in CII from increased business output and economic growth
- Substantial changes in institutional water use due to fire services or other extraordinary events

Urban Water Use Method 4

- Report Method to the Legislature by December 31, 2010
- Method results in a 20% reduction in water use if used statewide
- DWR to consider following factors in developing the method:
 - Climatic differences
 - Population density differences
 - Provide flexibility
 - Differing levels of per capita water use based on plant water needs
 - Differing levels of CII
 - Avoid placing an undue hardship on communities that have implemented conservation measures