

# Agricultural Water Measurement Regulation

## Informational Item

California Water Commission

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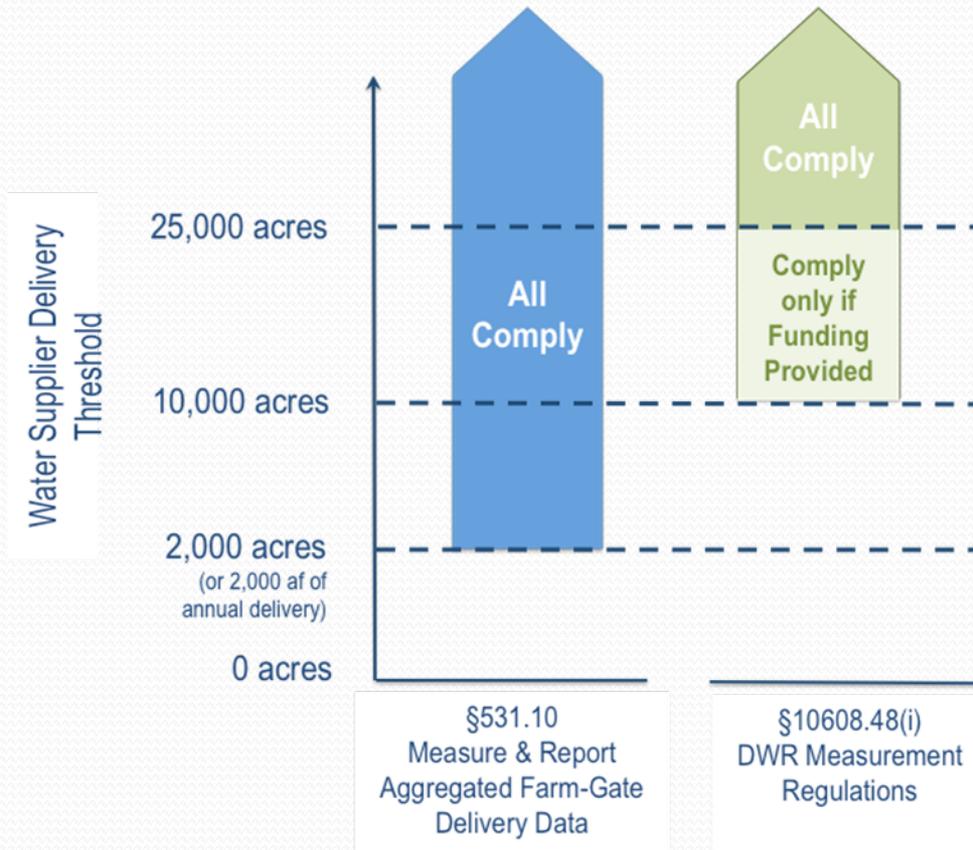
# Overview of Presentation

- Agricultural Water Measurement Regulation
  - SBX7-7 of 2009 requirements
  - Progress on water measurement regulation
  - Rulemaking process and timelines

# SBX7-7 Requires Agricultural Water Suppliers:

- To prepare agricultural water management plans and submit to DWR by July 2012
  - Implement Efficient Water Management Practices
    - *(1) Measure the volume of water delivered to customers with sufficient accuracy to comply with subdivision (a) of Section 531.10 and to implement paragraph (2).*
      - *Section 531.10 (a) An agricultural water supplier shall submit an annual report to the department that summarizes aggregated farm-gate delivery data, on a monthly or bi-monthly basis, using best professional practices.*
      - *(2) Adopt a pricing structure for water customers based at least in part on quantity of water delivered.*

## Relationship of Applicability of Agricultural Water Measurement Provisions



# SBX7-7 Requires DWR:

- To adopt a regulation and develop the range of options that agricultural water suppliers may use to measure volume of water delivered to its customers with sufficient accuracy.

# SBX7-7 Requires DWR: (cont.)

- Initial adoption is deemed an emergency regulation
- Followed by adoption of permanent regulation

# Definitions

## Agricultural Water Supplier

- A water supplier, either publicly or privately owned, providing water to 10,000 or more irrigated acres, excluding recycled water. “Ag Water Supplier” includes a supplier or contractor for water, regardless of basis of right, that distribute or sells water for ultimate resale to customers. (Ag water supplier does not include the Department.)

# Definitions

## Customer:

- *“a purchaser of water from a water supplier who uses water for agricultural purposes.”*

**Range of options:** Not defined by the Statute

**Sufficient accuracy:** Not defined by the Statute

# Accuracy

calculated as:

$$[\text{actual value} - \text{measured value}] / [\text{actual value}] \times 100$$

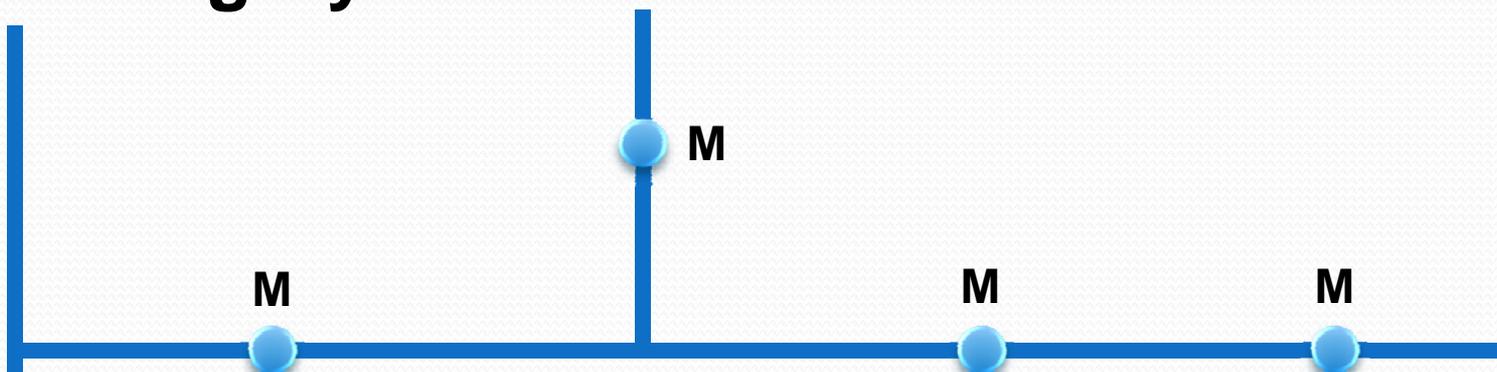
## *DWR Initiated A Public Process:*

- a. Formed Agricultural Stakeholders Committee  
(Ag, Environmental, Urban, Consultants,  
Academic, Industry)
- b. Formed Subcommittee
- c. Formed state agencies team (including Federal  
agencies)
- d. Conducts regular public committee meetings
- e. Conducts field tour
- f. Developed a website

# Draft Agricultural Water Measurement Regulation Contents

- Applicability
- Range of options (Category I, II)
  - Device laboratory accuracy standards
  - In-field device accuracy standards
  - Existing device accuracy standards
  - Replacement device accuracy standards
- Installation, operation, maintenance requirements

# Category I



Lateral

# Category II



Lateral

# Draft Water Measurement Options:

## Category I: Measurement at the location of transfer to individual customers – Farm-Gate

**Option I-a: Measurement device's design or laboratory accuracy standard**

**Or,**

**Option I-b: Custom-built measurement device's in-field accuracy standard**

**Or,**

**Option I-c: Existing measurement device's in-field accuracy standard**

## Draft Water Measurement Options:

### **Category II: Standards applicable to measurement upstream of the location of transfer to multiple customers (at lateral)**

Water Supplier May Choose Category II only when:

- Options under Category I are not technically feasible or provide unacceptable level of accuracy given the range of operating conditions, and
- Document/report the methodology supplier uses to quantify water delivered to individual customers
- Account for differences in water use among individual customers

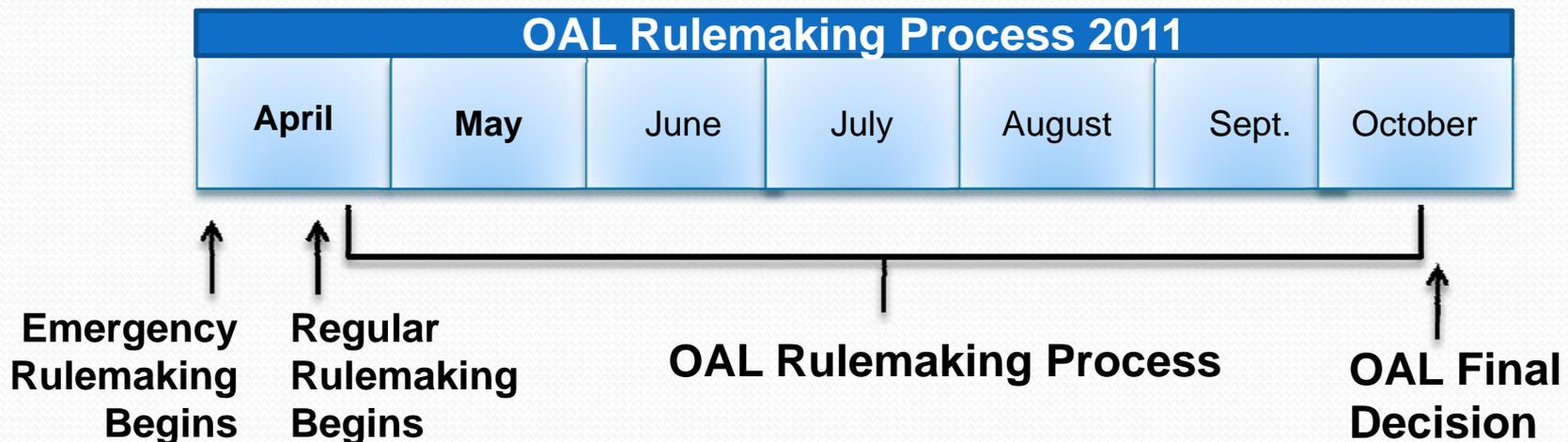
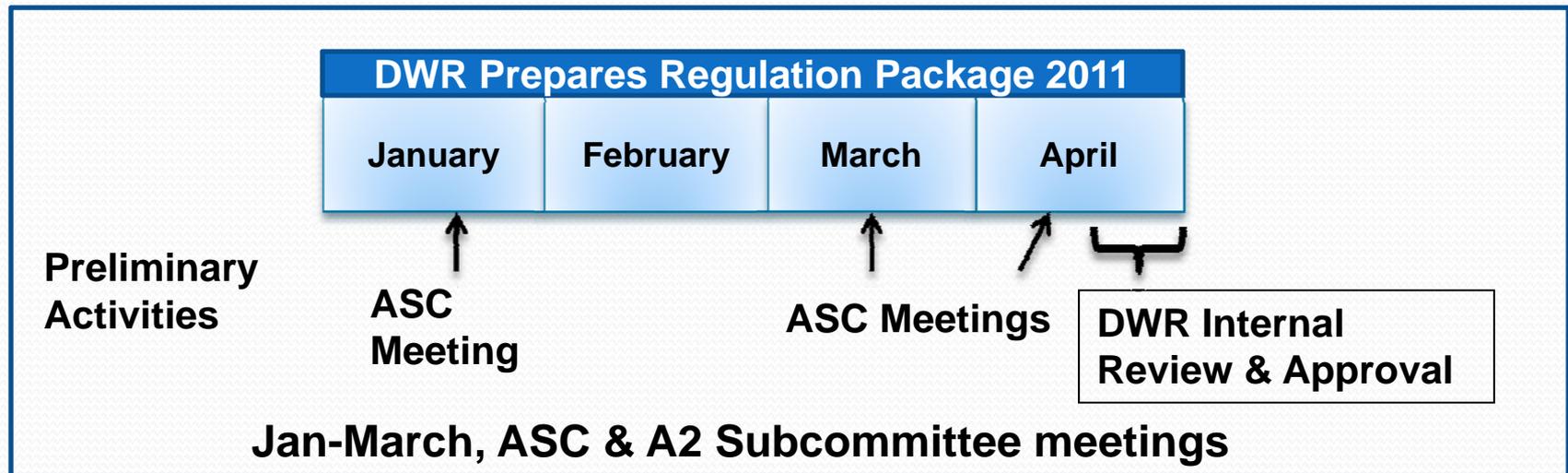
# Draft Water Measurement Options:

## **For ALL Measurement Options**

1. Devices shall be appropriate for the site and installed and maintained in a manner consistent with the manufacturer's recommendations and best professional practices.
2. Flow or volume readings and data management shall follow best professional practices.
3. Testing for accuracy shall be done by qualified organizations.
4. Upon replacement of existing measurement devices, the new or replacement devices must meet certain requirements.

# Rulemaking Timeline

# Regulation Process Timeline



# Permanent Regulations Timeline

**Emergency Regulation in Force (180 Days)**

Month 1

Month 2

Month 3

Month 4

Month 5

Month 6

45 Day Public  
Comment Period

Rulemaking  
Package  
Submitted to OAL

Public  
Hearing(s)

Revisions and additional  
public comment periods,  
if necessary

Submit Final  
Regulation  
Package  
OAL Review

OAL Final  
Decision on  
permanent  
regulation