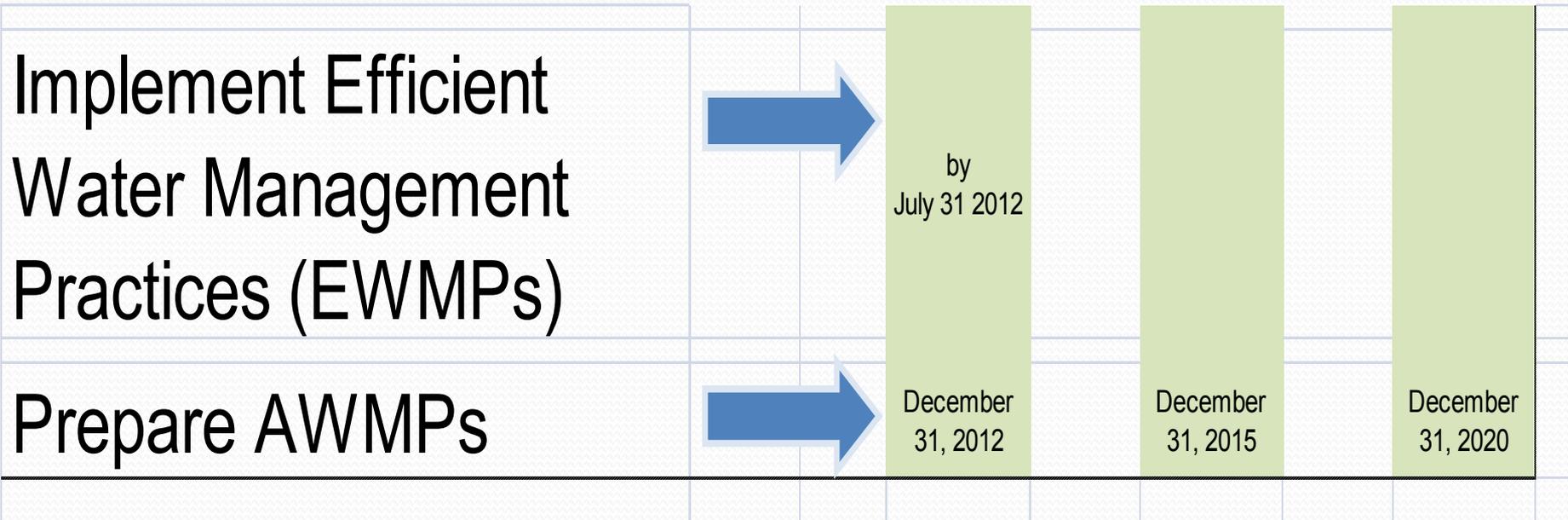


An Update on the Agricultural Water Measurement Regulation April 20, 2011



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Agricultural Water Supplier's SBX7-7 Requirements and Deadlines



SBX7-7 defines “Ag Water Supplier” as:

A water supplier, either publicly or privately owned, providing water to 10,000 or more irrigated acres, excluding recycled water.

SBX7-7 requires DWR to adopt water measurement regulation

- A range of options water suppliers may implement to measure volume with sufficient accuracy
 - to comply with farm-gate water delivery reporting requirements
 - to develop pricing structure



DWR initiated a public process to develop
the draft text of regulation

Water Measurement- status

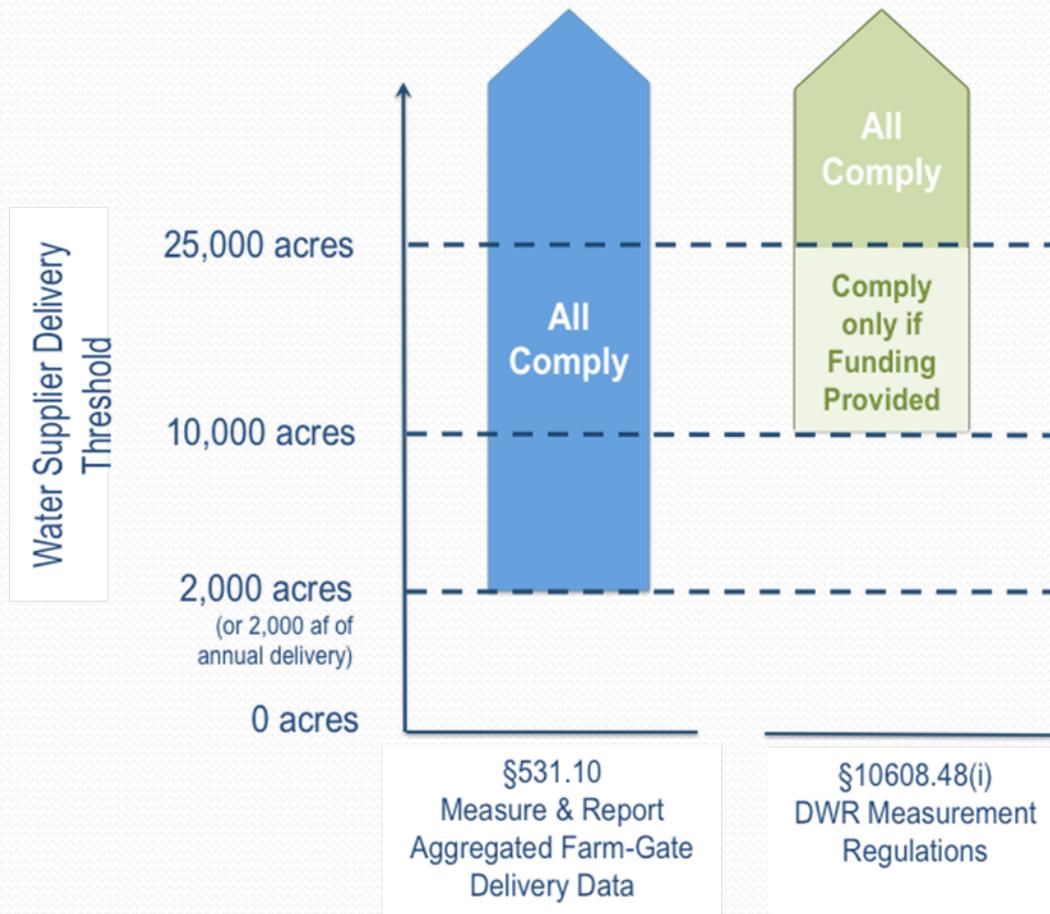
- DWR Prepared
 - Water Measurement Discussion Paper
 - Several Drafts of the Regulation
 - Fiscal Impact Analysis of the Proposed Regulation

March 2011 Draft Agricultural Water Measurement Regulation Contents

- Applicability*
- Range of options
 - a. Farm-gate standards (5, 10, 12%)
 - b. Lateral standards (3, 6, 10%)
- Certification and Performance
- Document submittal and retention

*CVPIA and RRA contractors- 2008 federal standards (6%)
QSA- Exempt

Relationship of Applicability of Agricultural Water Measurement Provisions





Agricultural Water Suppliers

Present Summary of Information

Ag Water Suppliers in Four Size Categories

Categories	Number of Suppliers		Acreage	
	Number	%	Acres	%
A < 2,000	50	19%	49,483	1%
2,000 ≤ A < 10,000	91	35%	485,495	7%
10,000 ≤ A < 25,000	46	18%	679,440	10%
A ≥ 25,000	72	28%	5,694,168	82%
Total	259	100%	6,908,587	100%

Regulation Applicability

- Agricultural Water Suppliers > 25,000 acres
- Agricultural Water Suppliers between 10,000 and 25,000 acres if funding is available
- QSA- are exempt by the statutes
- CVP water contractors may comply with the Reclamation 2008 Water Conservation Criteria

Accuracy Standards Range of Options

Option a- Device Accuracy at Customer's Farm-gate

Option b- Device Accuracy Upstream of Multiple Customers' Farm-gates

Option a- Farm-Gate
(5, 10, 12%)



 Measurement device

 No measurement device

Option b- Lateral (3, 6, 10%)



Option b- Device Accuracy at Lateral (upstream of multiple customers)

- Provide documentation in AWMPs that:
 - No legal access to customers' farm-gates, or
 - Large flow fluctuations exist (rice), and
 - Method is suitable for pricing structure, and
 - It accounts for differences in water use, and
 - Is adopted by the suppliers' board

Certification and Performance

- Laboratory certification of devices by industry protocols
- Non- laboratory certification by Professional Engineers.
- Field testing of existing devices
 - Statistical samples

Document Submittal and Retention

- Submit documentation in Agricultural Water Management Plans
 - Certification of devices
 - Field testing
 - Description of best professional practices
- Retain records for 10 years

Affected Acreage, Measurement Sites, and Number of Suppliers
If funds are made available (10,000 – 25,000 acres)

Regions	Acres per Turnout	Potentially Affected Irrigated Acres	Potentially Affected Turnouts	Potentially Affected Lateral Sites	Potentially Affected Suppliers
Sacramento Valley	80	161,684	2,021	86	12
Delta	50	43,002	860		3
East San Joaquin Valley	40	40,258	1,006		3
West San Joaquin Valley	100	68,914	689		4
Southern San Joaquin Valley	60	125,216	2,087		8
Southern California, Coast, Other	70	112,760	1,611		7
Total		551,835	8,274	86	37

Affected Acreage, Measurement Sites, and Number of Suppliers
 (≥ 25,000 acres)

Regions	Acres per Turnout	Potentially Affected Irrigated Acres	Potentially Affected Turnouts	Potentially Affected Lateral Sites	Potentially Affected Suppliers
Sacramento Valley	80	595,629	7,445	317	13
Delta	50	25,760	515		1
East San Joaquin Valley	40	558,387	13,960		7
West San Joaquin Valley	100	60,108	601		2
Southern San Joaquin Valley	60	1,452,402	24,207		20
Southern California, Coast, Other	70	187,840	2,683		3
Total		2,880,126	49,411	317	46

Fiscal Impacts

Costs for average-sized farm (313 acres)

Total affected acres	2,880,126
Initial cost per affected acre	\$24.20
Annual ongoing cost per affected acre	\$8.00
Average initial cost per affected farm	\$7,570
Average annual ongoing costs per affected farm	\$2,500

Fiscal Impacts

Statewide Present Value (PV) of Cost Over a 20-Year Horizon

PV of capital and initial assessment	\$66,668,000
PV of annual O&M, capital replacement, administration & reporting	\$263,703,000
Total PV	\$333,371,000

Stakeholder Comments

- Standards
 - Are too high
 - “Current” Federal Criteria instead of “2008” Criteria
 - Broadly exempts CVP contractors
 - Exempts farm-gate measurement for rice and community ditches
- Certification
 - Certification and performance requirements are burdensome
 - Retention of records is inadequate
- Costs are underestimated
- Implementation deadline is impractical

Next steps

- Work on the issues and prepare final draft Regulation
- Agricultural Stakeholder Committee review
- California Water Commission review and approval
- Office of Administrative Law
 - Emergency Regulation
 - Permanent Regulation
- Adoption by July or August



Website:

<http://www.water.ca.gov/wateruseefficiency/sb7/>