

Cost Estimate

Method #11
Supplier Delivery Fraction

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SDF=

Aggregated farm-gate
deliveries/Supplier Total Diverted
Water

Data Needs

- Aggregated farm gate deliveries
 - Sources:
 - Water supplier records

- Supplier Total Diverted Water
 - Surface diversions
 - Groundwater pumping
 - Sources:
 - Water supplier records

Data Needs ~ Aggregate Farmgate deliveries

- Aggregated farm gate deliveries
 - Two cases:
 - Water suppliers serving more than 2000 acres or delivering more than 2000 AF must report aggregate farm gate deliveries under AB 1404
 - In this case, no additional costs, since data storage and management is already a required action
 - Other water suppliers
 - Additional costs will be similar to those detailed in *Cost Analysis for Proposed Agricultural Water Measurement Regulation in Support of Economics and Fiscal Impact Statement*

Data Needs ~ Aggregate Farmgate deliveries

- Farmgate from Suppliers not covered by AB 1404
- To measure farmgate deliveries
 - Install measurement devices
 - Maintain measurement devices
 - Collect data
 - Analyze data

Data Needs ~ Aggregate Farmgate deliveries

- Measuring farm gate deliveries
 - Per Cost Estimate from Agricultural Water Measurement Regulation:

	Initial cost	Ongoing cost	Farms per 2000 acre supplier	Average annual cost
20 acre farm	6,500	1,165	100	766,500
Average sized farm (313 acres)	7,570	2,500	6	60,420

Data Needs ~ Supplier Diverted Water

- Surface Water Diversions
 - Supplier would report this to SWRCB, USBR or SWP depending on water rights and/or contracts
- Groundwater pumping
 - Supplier owned and operating groundwater wells
 - Expect that supplier would have record of amount of groundwater pumped
- Expect that water suppliers will have this data

Data Costs

- Except for the Small Water Suppliers serving less than 2000 acres or delivering 2000 AF,
- Expect water supplies to already collect data necessary to calculate SDF
- For small suppliers, small farm average annual costs could be an extreme upper bound

Analysis Costs

- Costs
 - Labor necessary to perform calculation
 - Time necessary to report the result of calculations

Cost estimate for Method #11

- Costs in excess of those already incurred in normal course of business:
 - For Suppliers serving more than 2000 acres or 2000 AF
 - 2 - 3 hours of staff time
 - For Suppliers serving less than 2000 acres or 2000 AF
 - Extreme upper bound \$766,500

Questions, suggestions.....

- What are we missing?
- What shouldn't be included?
- How to make the analysis better?