

Information Requirements For Sellers Proposing to Transfer Water Made Available Through Groundwater Substitution in 2014

The following information should be included in any groundwater substitution based water transfer proposal submitted to the Department of Water Resources for review and approval. The information should be submitted by March 1 of the transfer year. For questions regarding a specific transfer proposal contact Nancy Quan in the State Water Project Analysis Office at (916) 653-0190, nancy.quan@water.ca.gov. For more detailed technical information on water transfers requiring conveyance through State Water Project facilities please review the 2014 Draft Technical Information for Preparing Water Transfer Proposals available at <http://www.water.ca.gov/watertransfers/>

- Seller contact Information
- Surface water source that will be replaced by groundwater pumping
- Identify the surface water rights covering the proposed transfer and provide documentation demonstrating compliance with the California Environmental Quality Act or the State Water Resources Control Board approval process as appropriate
- Location and construction details of wells that will be pumped
 - Well Identification: Well owner name and identification number, water district, and district's well identification number
 - Well Location: Latitude and longitude, Township, Range and Section, map (similar detail to 7.5 minute USGS quad sheet) with well location and all surface water within two miles of District boundary
 - Well Construction: well depth, depth of annular surface seal, gravel pack interval(s), casing size, casing perforation interval, and well's construction method
 - Geologic Log
 - Estimated Well Capacity
 - Photographic evidence of the calibrated instantaneous reading and totalizing flow meters installed on each participating well
 - Certification by a Professional Engineer or Professional Geologist of proper flow meter installation and calibration performed within the past two years
 - If applicable, for Project Agencies consideration, technical analysis that supports a streamflow depletion factor (SDF) other than 12% and/or information sufficient to demonstrate that a well likely does not have a significant hydraulic connection to the surface water system tributary to the Delta according to the well acceptance criteria (Appendix B). For this

specific information, it is recommended transfer proponents provide additional time for Project Agency review.

- Additional Information (If available): PG&E well pump efficiency test, independent well drawdown tests, water quality data, and/or site-specific studies with aquifer properties surrounding the well or extent of the well's hydrologic connection with any surface waters
- Pump Power: Verification of an electric source for well, or if well is diesel or natural gas powered, verification of compliance with Air Board Regulations
- Schedule and volume of water to be pumped
 - Proposed Operations: Description of the well's projected operation and the projected beneficial use of pumped water
- Baseline from which the additional pumping will be measured
- Historic Operations: Operation records indicating the volume of water pumped from each well during July through September of the previous year; Identify and document area(s) normally irrigated by wells

Monitoring Program -submit the monitoring plan to the Project Agencies along with the transfer proposal. -The seller shall begin monitoring groundwater levels in March prior to the proposed transfer.

- A monitoring well network that adequately covers the surface area and aquifer intervals within the affected pumping area
- Meter readings of instantaneous flow (gpm) and total discharge volume at each of the groundwater substitution wells (collected as specified)
- Groundwater level measurements (collected as specified)
- Groundwater quality monitoring (when groundwater pumping is initiated, monthly during the transfer period, and at the termination of pumping)
- Method to detect land subsidence or that subsidence is unlikely to occur
- Plans to coordinate data collection and cooperate with regional monitoring efforts
- Data evaluation and reporting

Mitigation Plan – submit a mitigation plan to the Project Agencies at the time the transfer proposal is submitted

- A procedure for the seller to receive reports of purported environmental or third party effects and to report that information to the Project Agencies and, as required, to local agencies
- A procedure for investigating any reported effect
- Development of mitigation options, in cooperation with the affected third parties, for legitimate effects
- Assurances that adequate financial resources are available to cover reasonably anticipated mitigation needs