

CHAPTER 5 PLAN IMPLEMENTATION

5.1 IMPLEMENTATION OF THE GSP

The primary activities associated with implementing the GSP are anticipated to be connected with management and administration associated with managing the Plan Area. Included with these activities are data collection, data validation, and analysis of the data collected. Annual reporting of the data and analysis to DWR will be required. Finally, the GSP will need to be evaluated every five (5) years and the GSA must provide a written assessment of this evaluation to DWR.

Data Collection, Validation, and Analysis

EMWD has historically collected groundwater elevation and quality samples to monitor groundwater conditions in the Plan Area. Stream and precipitation gauges have been maintained and monitored by the Riverside County Flood Control and Water Conservation District and the U.S. Geological Survey (USGS), both of which are public agencies that provide the data to EMWD. The existing monitoring locations, which are discussed in Section 3.5, Monitoring Network, are anticipated to continue to be used for monitoring associated with this GSP. As discussed in Section 3.5, the monitoring schedule may change in order to ensure that groundwater quality samples are collected within a 12-month period at each monitoring well, and that groundwater elevation data are collected within the month of March, for spring groundwater elevations, and the month of October, for fall groundwater elevations.

During the initial 5-year period after the GSP is adopted, EMWD will explore options for filling data gaps identified in this GSP. The primary data gaps identified were temporal gaps in groundwater elevation measurements, which cannot currently be collected within a one-month time period, and extraction data gaps for wells in which extractions are estimated rather than measured. As discussed in Section 3.5.7, Monitoring Network Improvements, pressure transducers could be installed in some of the wells in the monitoring network to reduce the time-window over which groundwater elevations are collected. However, the cost effectiveness of purchasing, installing, and maintaining pressure transducers has not yet been assessed. The cost of this assessment and eventual purchase, installation, and maintenance of the pressure transducers is associated with GSP implementation.

Additionally, in order to reduce the uncertainty in groundwater extractions from the Plan Area, EMWD may install extraction meters on wells from which extractions are currently estimated. Neither the logistics nor the cost-effectiveness of purchasing, installing, and maintaining extraction meters on private wells has been assessed. The cost of assessing these factors, and the potential cost of purchasing, installing, and maintaining extraction meters is associated with GSP implementation.

Annual Report Preparation

Details of the information that will be included in the annual reports are presented in Section 5.3, Annual Reporting. It is currently anticipated that the annual reports will be produced by EMWD staff and the costs associated with these reports will be incorporated in the annual operating budget of EMWD.

Preparation of the 5-Year Evaluation

Every fifth year of GSP implementation and whenever the GSP is amended, the GSA is required to prepare and submit an Agency Evaluation and Assessment Report to DWR together with the annual report for that year. The tasks associated with preparing this report include evaluating any new information that has been made available since the GSP adoption and assessing whether changes to assumptions or descriptions in the GSP are required (See Section 5.5 Periodic Reporting). Additionally, the evaluation will provide an assessment of the pumping and groundwater conditions in the Plan Area. It is currently anticipated that the 5-year evaluation reports will be produced by EMWD staff with the assistance of consultants and that the costs associated with these reports will be incorporated in the annual operating budget of EMWD.

5.2 GSP IMPLEMENTATION SCHEDULE

The West San Jacinto GSA has developed a schedule that outlines the approximate times at which the various monitoring and reporting components of the GSP will be implemented over the next five years (Figure 5-1). This schedule includes projects that have been incorporated into the future baseline model scenario. The actual start dates may vary from those shown in the schedule.

5.3 ESTIMATED GSP IMPLEMENTATION COSTS

The primary costs associated with implementing the GSP are anticipated to be associated with the following activities:

- Data collection, validation, and analysis
- Annual report preparation
- Management, administration, and other associated activities
- Preparation of the 5-year GSP evaluation

The estimated costs for implanting the GSP over the first five-year review cycle are presented in Table 5-1.

Table 5-1
GSP Implementation Planning-Level Cost Estimate

Activity	Estimated Cost	Frequency	Anticipated Cost: 2022-2027
Ongoing GSP Administration, Public Engagement, Maintenance	\$30,500.00	Annually	\$152,500.00
<i>Subtotal</i>			<i>\$152,500.00</i>
Technical Studies	\$50,000.00	Periodically	\$250,000.00
<i>Subtotal</i>			<i>\$250,000.00</i>
<i>Ongoing Groundwater Monitoring Program</i>			
Groundwater Extraction Monitoring	\$52,000.00	Annually	\$260,000.00
Groundwater Quality Monitoring	\$132,000.00	Annually	\$660,000.00
Groundwater Level Monitoring	\$16,500.00	Annually	\$82,500.00
Inactive Well Capping and Sealing Program	\$14,500.00	Annually	\$72,500.00
<i>Subtotal</i>			<i>\$1,075,000.00</i>
GSP Annual Report	\$85,000.00	Annually	\$425,000.00
<i>Subtotal</i>			<i>\$425,000.00</i>
<i>GSP 5-Year Periodic Evaluation</i>			
Report Preparation	\$250,000.00	Single	\$250,000.00
Refine, update, and recalibrate groundwater model	\$250,000.00	Single	\$250,000.00
<i>Subtotal</i>			<i>\$500,000.00</i>
Total			\$2,402,500.00

The costs for implementing the GSP will be incorporated into EWMD’s General District budget, and EMWD will cover the costs associated with implementing the GSP.

5.4 ANNUAL REPORTING

EMWD has prepared annual reports for the west side of the San Jacinto Groundwater Basin since 1995, when EMWD adopted the Groundwater Management Plan for the West San Jacinto Groundwater Basin (EMWD 1995). The Groundwater Management Plan for the West San Jacinto Groundwater Basin has been superseded by the adoption of this GSP. Therefore, EMWD, as the GSA for the Plan Area, will submit an annual report for the Plan Area to DWR by April 1 of each year. The Hemet-San Jacinto watermaster submits a separate annual report for the Hemet-San Jacinto Management Area, which is adjudicated.

The annual report for the Plan Area will include the following components for the preceding water year (23 CCR §356.2):

- General information, including an executive summary and a location map depicting the basin, jurisdictional boundaries, and Plan Area covered by the report.
- A detailed description and graphical representation of:
 - Groundwater elevation data from wells identified in the monitoring network,

- Groundwater extractions for the preceding water year,
- Change in groundwater in storage,
- Surface water supply used or available for use, and
- Total water use.
- A description of progress toward implementing the GSP, including implementation of projects or management actions since the previous annual report.

The description and graphical representation of groundwater elevations will include groundwater elevation contour maps for the Plan Area illustrating, at a minimum, the seasonal high and seasonal low groundwater conditions. Additionally, hydrographs of groundwater elevations and water year type using historical data to the extent available, including from January 1, 2015, to current reporting year, will be included in the annual report. As described in Section 3.5, Monitoring Network, relevant data collected by EMWD, the USGS, and the Riverside County Flood Control and Water Conservation District will be used to prepare the GSP annual reports.

The description and graphical representation of change in groundwater storage will include a graph depicting water year type, based on the precipitation in the Plan Area (see Section 2.5.3.1 Water Year Type Characterization), groundwater use, the annual change in groundwater in storage, and the cumulative change in groundwater in storage for the Plan Area based on historical data to the greatest extent available, including from January 1, 2015, to the current reporting year.

5.5 PERIODIC REPORTING

EMWD will evaluate the GSP every five (5) years. This 5-year evaluation will be provided as a written assessment to DWR that will describe whether the Plan implementation, including implementation of projects and management actions, are suitable to maintain sustainable groundwater use in the Plan Area. The evaluation will include the following:

- A description of current groundwater conditions for each applicable sustainability indicator relative to measurable objectives and minimum thresholds.
- A description of the implementation of any projects or management actions, and the effect on groundwater conditions resulting from those projects or management actions.
- Revisions, if any, to the basin setting, the identification of undesirable results, the minimum thresholds, or the measurable objectives.
- An evaluation of the basin setting in light of significant new information or changes in water use, and an explanation of any significant changes.

- A description of the monitoring network within the Plan Area, including whether data gaps exist.
- A description of significant new information that has been made available since GSP adoption, amendment, or the last 5-year assessment.
- A description of relevant actions taken by the West San Jacinto GSA, including a summary of regulations or ordinances related to management of the Plan Area or the GSP.
- Information describing any enforcement or legal actions taken by the West San Jacinto GSA in furtherance of the sustainability goal for the Plan Area.
- A description of completed or proposed GSP amendments.

5.6 REFERENCES

23 CCR (California Code of Regulations) 356.2 Annual Reports. In Subchapter 2: Groundwater Sustainability Plans.

EMWD (Eastern Municipal Water District) 1995. *Groundwater Management Plan, West San Jacinto Groundwater Basin*. June 8, 1995.

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