

## 5 GROUNDWATER SUSTAINABILITY PLAN IMPLEMENTATION

As discussed in previous chapters, there are several activities and management actions that will be implemented under this Groundwater Sustainability Plan (GSP). Implementation of the GSP includes implementation of the projects and management actions included in **Chapter 4**, as well as the following:

- District GSP implementation program management
- District GSA administration
- Public Outreach
- Implementation of the monitoring programs
- Development of Annual Reports
- Periodic Evaluations and GSP amendments

**Chapter 5** provides a description of the above, including contents of Annual Reports and Periodic Evaluations that will be provided to the Department of Water Resources (DWR) as required under GSP Regulations (Cal Code Reg., tit. 23, § 350 *et seq.*).

### 5.1 Estimate of GSP Implementation Costs (§ 354.6)

GSP implementation cost and GSA support costs are estimated on an annual basis and include: operations, monitoring, reporting, management, administration, and the development and implementation of the Project and Management Actions (PMAs) described in **Chapter 4**. GSP updates will incur additional costs throughout the planning and implementation period for the GSP. These costs and the associated funding sources are all discussed in further detail below.

#### 5.1.1 Monitoring Costs

Monitoring costs include monitoring of groundwater levels, water quality, and review of land subsidence data, as necessary, in accordance with the Monitoring Plan (see **Chapter 3** for more details). Other related tasks include data analysis, management, system maintenance, monitoring equipment maintenance, pump metering, updates to the groundwater model, and annual reporting. Operations and monitoring tasks are described in detail below. The total estimated monitoring cost is \$842,000 as displayed by the tasks in **Table 5-1** below.

**Table 5-1: Monitoring Costs**

Task No.	Description	Estimated Annual Cost
1	Groundwater Level Monitoring	\$120,000
2	Water Quality Monitoring	\$35,000
3	Land Subsidence Monitoring	\$35,000
4	Administrative Personal (2 FTE & 5 PTE)	\$602,000
5	Annual Comprehensive DWR Reporting	\$50,000
<b>Total</b>		<b>\$842,000</b>

Each task included in Table 5-1 can be described as follows:

1. **Groundwater Level Monitoring:** Professionals trained in collecting groundwater level monitoring data will collect depth to groundwater data, either manually or from transducers, from the Subbasin monitoring network wells as described in **Chapter 3**. This task includes data management and preparation of an annual report/summary. Groundwater level data will be collected on a semi-annual basis.
2. **Water Quality Monitoring:** Water quality data will be collected on an annual basis. Professionals trained in collecting groundwater samples will obtain water quality samples from designated monitoring wells in the monitoring well network as described in **Chapter 3**. Samples will be sent to a certified analytical laboratory for analysis. Staff will review and manage laboratory results and prepare an annual report/summary.
3. **Land Subsidence Monitoring:** The network of District benchmarks will be monitored on an annual or quarterly basis (dependent on rates of subsidence) by the District's consultants. Staff will review results and prepare an annual report/summary.
4. **Administrative Personal (2 FTE & 5 PTE):** These costs include 5 part-time employees (PTE) (Associated Resources Analyst, Financial Analyst Accounting Technician, Informational Technology, and Management), with a two full-time equivalent (FTE) of approximately \$602,000. The PTE and FTE cost includes the following fringe benefits: office supplies, vehicles utilities, insurance, and office space for such administration and management. Professionals trained in database structure, maintenance, and organization of the data management system (DMS) will process monitoring data into formats for input into the DMS. The DMS will be updated and the collected data will be checked for accuracy prior to input into the DMS. The implementation of this GSP will result in additional costs accrued by District staff.
5. **Annual Comprehensive DWR Reporting:** Both a "Draft" and "Final" Annual Report will be prepared. The Draft will be prepared by the District and the Final version will be submitted to DWR each year by April 1st. Annual reports must include three key sections: 1) General Information, 2) Basin Conditions, and 3) Plan Implementation Progress. Annual reporting would be completed in a manner and format consistent with Section 356.2 of the GSP regulations. As annual reporting continues, it is possible that this outline will change to reflect basin conditions, the priorities of the District, and applicable requirements from DWR.

### 5.1.2 Management, Administration, Operations, and Other Costs

The District may incur costs associated with the potential repair and replacement of capital assets such as well meters, monitoring equipment, supplies, billing, and potential well abandonment costs. 300Other additional expenses include audit services, insurance, legal and engineering services, permits and fees, land management expenses, and public outreach. Many of these costs will vary and be dependent on numerous factors such as the implementation schedule and unforeseen needs during the implementation of the GSP. Therefore, additional cost evaluation will be necessary throughout the GSP implementation period. The current estimates of these costs are summarized in **Table 5-2** below.

**Table 5-2: Management, Administration, and Other Costs**

No.	Description	Estimated Annual Cost
1	Metering Data	\$15,000
2	Operation and Maintenance	\$45,000
3	Project Management and Coordination (0.5 PTE)	\$44,000
4	Administrative Personnel (0.5 PTE)	\$44,000
5	Engineering & Consulting Services	\$25,000
6	SGMA-Related Legal Expenses	\$300,000
7	Public Outreach	\$7,500
	<b>Total</b>	<b>\$480,500</b>

Each task included in Table 5-2 can be described as follows:

1. **Metering Data:** Groundwater pumping data will be obtained remotely through the Automatic Metering Infrastructure (AMI) from wells that have already been equipped with meters for all non-de minimis groundwater wells within the Subbasin monthly. Groundwater extraction is summarized and reported to the District and water users quarterly and an annual groundwater extraction data is provided pursuant to GSP regulations in Annual Reports. Meter calibrations, validation, maintenance, and replacements will occur as needed.
2. **Operation and Maintenance:** Maintenance and repairs to monitoring instruments such as transducers, dataloggers, etc. will be addressed as necessary.
3. **Project Management and Coordination:** Inter-basin correspondence between GSA and adjacent GSAs and other consultants and parties. GSA and GSP management and implementation update meetings will occur as necessary. This task will also include outreach in the form of an annual workshop.
4. **Administrative Personal:** Outreach to interested parties, accounting system support, public outreach support.
5. **Engineering & Consulting Services:** Provide additional “as needed” technical support.
6. **SGMA-Related Legal Expenses:** Facilitate and support water rights, water transfer programs, and provide legal review of project components and implementation.
7. **Public Outreach:** During GSP development, the District GSP Program used multiple forms of outreach to communicate SGMA-related information and solicit input. The District intends to continue public outreach and provide opportunities for public participation and engagement, especially from beneficial users, during GSP implementation. These opportunities will include, but not be limited to, public meetings, providing access to GSP information online, and continued coordination with entities conducting outreach to the Subbasin’s underserved communities. Announcements will continue to be distributed via email prior to public meetings (e.g., public workshops and Board meetings). Emails will also be distributed as specific deliverables are finalized, when opportunities are available for public input and when this input is requested, or when items of interest to interested parties arise, such as relevant

funding opportunities. The District’s SGMA website, managed as part of GSP administration, will be updated a minimum of quarterly, and with information related to the program. The website may be updated to add new pages as the program continues and additional activities are implemented. Additionally, the District will host public workshops to provide an opportunity for stakeholders and members of the public to learn about, discuss, and provide input on GSP activities, progress towards meeting the Sustainability Goals of this GSP, and the SGMA program.

### 5.1.3 Periodic Evaluation and Plan Amendment Costs

GSP Regulation section 356.4 requires that the GSP “evaluate its Plan at least every five years and whenever the Plan is amended and provide a written assessment to the Department.” It is anticipated that Periodic Evaluations of the GSP (particularly early in the implementation period) will result in revisions or amendments to the GSP to appropriately reflect updated information and address corrective actions (if any) recommended by DWR. A “Clarified and Amended GSP” was adopted and submitted to DWR as an interim amendment in 2022 to address the incomplete determination, which cost approximately \$125,000. Total costs for the 2025 Periodic Evaluation and GSP amendment were grant funded by Proposition 68 and are provided in **Table 5-3**.

**Table 5-3: Periodic Evaluation and GSP Amendment Costs**

Task No.	Description	Cost
1	GSP Amendment	\$345,000
2	Update Data Management System	\$48,000
3	Public Outreach	\$10,000
4	Periodic Evaluation	\$87,000
<b>Total</b>		<b>\$490,000</b>

### 5.1.4 Project and Management Actions Development and Implementation Costs

Project and Management Actions (PMAs) are presented in Chapter 4. The estimated costs associated with these plans and programs are presented in **Table 5-4** below. Costs summarized in **Table 5-4** do not include costs incurred by water users or other program participants. Figures represented in the table reflect best estimates of costs to date and anticipated future costs associated with PMA implementation as appropriate. Notably, partial funding for PMAs are supported by cost-sharing agreements through state and federal grants administered by the District.

**Table 5-4: Project and Management Actions Costs**

PMA	Description	Estimated Cost	Level of Project Development
1	Surface Water Imports	\$0	Planning
2	Groundwater Allocation Program	\$2,940,000	Initial Implementation
		\$66,000	Annual Costs
3	District Groundwater Recharge Enhancement	\$6,700,000	STAR Program ASR
		\$2,200,000	Broadview ASR
		\$6,600,000	Arroyo Pasajero Recharge Project
		\$330,000	Other Recharge Projects
		\$480,000	GSA-Funded Studies
4	Water User Groundwater Recharge	\$11,700,000	Incentive Programs (2023/2024)
		N/A (Included in PMA 2)	Metering and Reporting
		N/A (Included in PMA 3)	GSA-Funded Studies
5	Targeted Pumping Reductions	\$37,000,000	Land Acquisition
		\$2,250,000	Substitute Water (Annual Cost)
6	Agricultural Land Repurposing	\$8,900,000	MLRP
		Pending	VCIP
7	Desal and On-Farm Recycling	\$3,790,000	Pilot Study

### 5.1.5 Total Costs

Annual implementation costs of this GSP are expected to vary from year to year due to PMA implementation status and needs, monitoring and administration, and PMA implementation. Many of these costs are dependent on groundwater conditions assessed during Periodic Evaluations as well external factors such as project timelines and hydrology and surface water supply. There will also be unknown equipment replacement and maintenance needs, professional services, and various other sources that could affect the annual cost. The cost will be updated as necessary during Periodic Evaluations and GSP amendments. Since this GSP provides planning and cost estimates until 2040, an annual inflation value of 3% was assumed for planning and budgeting purposes. The total estimated GSP implementation cost is \$122,911,000 shown in **Table 5-5**.

**Table 5-5: GSP Estimated Implementation Cost Through 2040**

Fiscal Year	Implementation and Monitoring Costs	Management, Administration and Other Costs	Plan Amendments and Periodic Evaluation	Projects and Management Actions	Total
2020	\$726,317	\$414,052	\$0	\$1,435,000	\$2,575,369
2021	\$748,106	\$426,474	\$0	\$1,335,000	\$2,509,580
2022	\$770,549	\$439,268	\$0	\$15,843,333	\$17,053,151
2023	\$793,666	\$452,446	\$0	\$20,638,333	\$21,884,445
2024	\$817,476	\$466,019	\$490,000	\$20,572,667	\$22,346,162
2025	\$842,000	\$480,000	\$0	\$5,036,313	\$6,358,313
2026	\$867,260	\$494,400	\$0	\$5,106,686	\$6,468,346
2027	\$893,278	\$509,232	\$0	\$5,108,787	\$6,511,296
2028	\$920,076	\$524,509	\$0	\$960,950	\$2,405,535
2029	\$947,678	\$540,244	\$563,500	\$963,179	\$3,014,601
2030	\$976,109	\$556,452	\$0	\$965,474	\$2,498,034
2031	\$1,005,392	\$573,145	\$0	\$967,838	\$2,546,375
2032	\$1,035,554	\$590,339	\$0	\$970,273	\$2,596,167
2033	\$1,066,620	\$608,050	\$0	\$972,782	\$2,647,452
2034	\$1,098,619	\$626,291	\$648,025	\$975,365	\$3,348,300
2035	\$1,131,578	\$645,080	\$0	\$978,026	\$2,754,684
2036	\$1,165,525	\$664,432	\$0	\$980,767	\$2,810,724
2037	\$1,200,491	\$684,365	\$0	\$983,590	\$2,868,446
2038	\$1,236,505	\$704,896	\$0	\$986,498	\$2,927,899
2039	\$1,273,601	\$726,043	\$745,229	\$989,493	\$3,734,365
2040	\$1,311,809	\$747,824	\$0	\$992,577	\$3,052,210
<b>Total</b>	<b>\$20,828,208</b>	<b>\$11,873,562</b>	<b>\$2,446,754</b>	<b>\$87,762,931<sup>1</sup></b>	<b>\$122,911,455</b>

1. Includes approximately \$31M in funding from multiple state and federal grants thus far.

### 5.1.6 Funding Sources

The implementation of the GSP and SGMA compliance requires the District and Fresno County to collect fees as well as seek additional outside funding. SGMA grants a GSA the authority to impose fees to fund costs of groundwater management under a GSP. (Wat. Code, §§ 10730, 10730.2(a).) These fees can cover groundwater management costs including, but not limited to: administrative, operations and maintenance; acquisition of property, facilities, and services; supply, production, treatment, or distribution of water; or other activities necessary or convenient to implement the GSP. (Wat. Code, §§ 10730, 10730.2(a).) Fees imposed under SGMA may include fixed fees and fees charged on a volumetric basis. (Wat. Code, §§ 10730(a), 10730.2(d).) SGMA also authorizes the District and Fresno County to impose civil penalties for unauthorized groundwater extraction and violations of rules, regulations, ordinances, or resolutions, which can be expended on SGMA implementation. (Wat. Code, § 10732.)

In addition to the fee authority granted by SGMA, a GSA retains any separate fee authority granted to it by any other laws. (Wat. Code, § 10730.8; see also Wat. Code, § 10732 [authorizing civil penalties and criminal fines under other applicable law].) The District thus may also elect to adopt a charge or assessment pursuant to the California Water District Law (Wat. Code §§35470 *et seq.*) or any other applicable provision of law granting such authority.

Pursuant to its authority, the District adopted a SGMA land-based charge in early 2020. The District may continue to fund the costs of GSP implementation via the existing SGMA land-based charge or may adopt any other fee or charge within its authority. The District will continue to comply with all applicable legal and regulatory requirements when implementing fees.

The District also leveraged approximately \$31M available through multiple state grants to supplement GSP development and implementation funding.

## 5.2 Implementation Schedule

The GSP was submitted to DWR on January 23, 2020, resubmitted on July 18, 2022 and the 2025 GSP Amendment will be submitted prior to January 23, 2025. **Figure 5-1** and **Figure 5-2** provide the GSP implementation schedule. The schedules were updated to show implementation progress and the PMA planned through the implementation period based on current information. The implementation schedule is subject to change as implementation proceeds and will be evaluated and updated through Annual Reports, Periodic Evaluations, or as necessary based on implementation progress, sustainability goals, and other factors.

Annual Reporting of GSP implementation progress will occur in accordance with SGMA and will include semi-annual measurements of groundwater levels, water quality, streamflow measurements, and annual, continuous, or as-needed reporting of meters, meter calibration, subsidence, and model and data system updates, all of which are discussed in further detail in **Section 5.3** below. Annual Reports will be prepared and submitted to DWR by April 1<sup>st</sup> of each year. Periodic Evaluations and (if deemed necessary) GSP amendments will be prepared and submitted at least every five years based on the submittal date of the initial GSP on January 23, 2020.

The seven (7) PMAs and their current (as of 2024) anticipated implementation schedules are presented in **Figure 5-3** below. The timeline for implementation of PMAs is dependent on numerous factors described at length in **Chapter 4**. PMAs No. 1 through 5 were included in the 2020 GSP. These PMAs have received regulatory approval from environmental agencies and are fully or partially implemented as of 2024. As described in **Chapter 4**, full implementation may be dependent on hydrologic conditions (largely surface water allocations) or relation of sustainability indicators to groundwater conditions but are generally expected to be fully implemented by 2030. PMAs No. 6 and 7 were added as part of the 2025 GSP update. Accordingly, implementation of these PMAs is dependent on factors such as demonstration of feasibility, Board adoption, and approval of environmental agencies.

### 5.3 Annual Reporting

Pursuant to GSP Regulations section 356.2, the GSA will submit an Annual Report to DWR each year following the adoption of the GSP with information from the preceding water year, shown in **Table 5-6** below, with the following information:

**Table 5-6: Annual Reporting Requirements**

Annual Report Component	Regulation	Description
General Information	§ 356.2(a)	<ul style="list-style-type: none"> <li>• Executive summary</li> <li>• Basin map</li> </ul>
Groundwater Elevation Data	§ 356.2(b)(1)	<ul style="list-style-type: none"> <li>• Groundwater elevation contours</li> <li>• Hydrographs</li> </ul>
Groundwater Extraction Data	§ 356.2(b)(2)	<ul style="list-style-type: none"> <li>• Extraction by water use sector</li> <li>• Method and accuracy</li> <li>• Map illustrating location/volume</li> </ul>
Surface Water Supply	§ 356.2(b)(3)	<ul style="list-style-type: none"> <li>• Summarized by use</li> </ul>
Total Water Use	§ 356.2(b)(4)	<ul style="list-style-type: none"> <li>• Use by sector</li> <li>• Method and accuracy</li> </ul>
Change in Groundwater Storage	§ 356.2(b)(5)	<ul style="list-style-type: none"> <li>• Map</li> <li>• Graph (storage and groundwater use)</li> </ul>
Progress Toward Implementation	§ 356.2(c)	<ul style="list-style-type: none"> <li>• Current conditions for each sustainability indicator</li> <li>• Implementation of PMAs</li> </ul>

1. **General Information:** The District will prepare an executive summary to report any significant findings or key recommendations from the reporting period and provide a map highlighting the basin covered by the report.
2. **Groundwater Elevation Data:** Groundwater elevation data will be collected on a semi-annual basis as described in **Chapter 3**. The collected data will be organized in a data management system and groundwater elevation contour maps by aquifer will be developed for the Annual Report. Each aquifer's contour maps will depict the groundwater conditions' seasonal high and seasonal low. Historical hydrographs from January 1, 2015, to present will be submitted annually to DWR. The Annual Report will include a written interpretation of this data with references to past data and any observed data gaps and recommendations going forward, if needed.



3. **Groundwater Extraction Data:** Groundwater extraction data for the preceding water year will be presented in the Annual Report in the form of tables, a map, and a written description. This data will be obtained from District pumping records for metered extractions and presented in a table that summarizes groundwater extractions by water use sector, the measurement method (direct or estimated), and accuracy of the measurements. This section will be accompanied by a map showing the general location and volume of groundwater extractions.
4. **Surface Water Supply:** Surface water quantities supplied or available for use, for recharge or in-lieu use, will be presented in the Annual Report and measured through annual surface water diversion reporting.
5. **Total Water Use:** Total water use within the GSP boundary will be evaluated through direct methods such as District production and delivery records and metered well use where applicable and indirect methods such as recent Urban Water Management Plans and Agricultural Water Management Plans and other sources of estimation where necessary. A table showing the total water use by sector, the method of measurement (direct or estimated), and accuracy of measurements will be provided to summarize the annual water use data.
6. **Changes in Groundwater Storage:** The estimated change in groundwater storage for each principal aquifer for the preceding water year will be determined using observed changes in groundwater levels over a time period. This information will be presented on a map for each aquifer and on graphs showing the water year type (wet, dry, or normal), groundwater use, annual change in groundwater storage, and the cumulative change in groundwater storage based on historical data and information from the reporting period.
7. **Implementation Progress:** The Annual Report will include a summary of the progress of GSP implementation. This will include a summary of current conditions for each applicable sustainability indicator (groundwater levels, groundwater storage, subsidence, and groundwater quality) compared to minimum thresholds, interim milestones, measurable objectives, and impacts to beneficial users identified in the GSP. Progress towards implementation of Projects and Management Actions including achievement of milestones, significant updates or changes, implementation schedule, and implementation tasks and costs will be reviewed, discussed, and updated as necessary.

#### 5.4 Periodic Evaluation and Reporting


The District will assess implementation of the GSP through a Periodic Evaluation submitted at least every five years following the submission of the 2020 GSP. The Periodic Evaluation is a written assessment provided to DWR which will include many similar elements of the Annual Reports, as described above, including, but not limited to, implementation progress, and progress toward meeting the sustainability goal of the Westside Subbasin. The District will also make the Periodic Evaluation available to interested parties and the public through the District's SGMA website, <https://wwd.ca.gov/sgma> and via email to the interested persons list. Pursuant to section 356.4 of the GSP Regulations, Periodic Evaluations will include the following:

1. **Current Groundwater Conditions:** An evaluation and description of current groundwater conditions for each applicable sustainability indicator relative to the measurable objectives, interim milestones, minimum thresholds, and undesirable results as provided in Chapter 3. Graphs, figures, and a written description will be prepared, as needed, to depict groundwater

elevations for the evaluation period in key wells in relation to the established GSP goals and thresholds.

2. **Implementation of Project Management Actions:** PMAs will be evaluated to determine their implementation status, success, and progress toward reaching the GSP sustainability goal. This will include an evaluation of the effect of the PMA on groundwater conditions and other factors, as necessary. Adaptive management processes will be incorporated and if it is determined that the PMA does not meet the sustainability goal or implementation timeline, it will be re-evaluated and potentially placed on an accelerated implementation path.
3. **Plan Elements:** Elements of the GSP, such as the Subbasin setting and management areas, as discussed in previous chapters, will be evaluated for any potential reconsiderations or revisions. Updates and revisions will be proposed as necessary in the evaluation. The sustainability indicators will be evaluated for undesirable results and minimum thresholds and measurable objectives will be reconsidered with revisions proposed, if necessary. Evaluation will include the progress of the GSP toward meeting the sustainability goal and interim milestones.
4. **Basin Evaluation:** Each periodic evaluation will include an assessment of the Subbasin setting in relation to any significant or unanticipated changes or new information that may have developed during the evaluation period. This will include significant changes in water use with special attention to potential overdraft conditions. If warranted, the evaluation will describe the specific impact of the revised sustainability yield value on pumping allowances, measurable objectives, interim milestones, and other relevant components of the GSP.
5. **Monitoring Network:** A description of the established Monitoring Network, as described in Chapter 3, will be provided in the Periodic Evaluation and will include a description of potential data gaps, areas within the basin that are represented by data that does not meet the Data and Reporting Standards set by SGMA, and an assessment of the Monitoring Network's functionality. If necessary, the evaluation will include actions necessary to improve the monitoring network, identification of data gaps and a program to acquire additional data sources and the timing of such, and a plan to install new data collection facilities.
6. **New Information:** Any significant, new information that has been developed since the GSP's adoption or amendment or the last periodic evaluation will be discussed.
7. **Relevant Actions:** A description of any relevant actions taken by the District since the preceding periodic or 5-year assessment including any regulations or ordinances related to the GSP, development of new Project Management Actions, and other actions impacting the implementation of the GSP.
8. **Enforcement or Legal Actions:** A description of any enforcement or legal actions taken by the District during the evaluation period.
9. **Plan Amendments:** A description of any completed or proposed Amendments to the Plan.
10. **Summary of Coordination:** If necessary, a description of the coordination of GSAs within the basin, coordination between hydrologically connected basins, and land use agencies.
11. **Other Information:** Any other appropriate and relevant information pursuant to SGMA, the GSP Implementation, and DWR review.

Plan Element	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
GSP Submittal	●																				
Plan Adoption	●																				
Plan Approval				●																	
Annual Reporting	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Periodic Evaluation and Plan Amendments						●					●					●					●
Projects and Management Actions																					
Operations and Monitoring																					
Management and Administration																					

 Occurs Continuously

Element	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040		
Annual Reporting	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Periodic Evaluation and/or Plan Amendments			●			●					●					●						●	
Groundwater Model Updates			●				●				●					●						●	
Groundwater Level Monitoring	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Land Subsidence Monitoring	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Water Quality Monitoring	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Groundwater Extraction Monitoring	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Data Management System	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Management and Administration	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

- Occurs Continuously
- Occurs Monthly
- Occurs Quarterly
- Occurs Bi-Annually
- Occurs Annually
- Public Release
- Partial Update

**Schedule for Implementation – Operation and Monitoring**

SGMA Sustainability Analysis  
Westside Subbasin

**Figure 5-2**



PMA	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Surface Water Imports	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation
Allocation of Groundwater Extraction	Plan Development	Plan Development	Partial Implementation	Partial Implementation	Partial Implementation	Partial Implementation	Partial Implementation	Partial Implementation	Partial Implementation	Partial Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation
Westlands Water District Recharge Enhancement	Plan Development	Plan Development	Plan Development	Plan Development	Partial Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation
Water User Recharge Enhancement	Plan Development	Plan Development	Partial Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation
Targeted Groundwater Pumping Reduction Program	Plan Development	Plan Development	Partial Implementation	Partial Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation	Full Implementation
Agricultural Land Repurposing				Plan Development	Plan Development	Plan Development	Partial Implementation	Full Implementation (Pending Feasibility and Adoption)	Full Implementation (Pending Feasibility and Adoption)	Full Implementation (Pending Feasibility and Adoption)	Full Implementation (Pending Feasibility and Adoption)	Full Implementation (Pending Feasibility and Adoption)	Full Implementation (Pending Feasibility and Adoption)	Full Implementation (Pending Feasibility and Adoption)	Full Implementation (Pending Feasibility and Adoption)	Full Implementation (Pending Feasibility and Adoption)	Full Implementation (Pending Feasibility and Adoption)	Full Implementation (Pending Feasibility and Adoption)	Full Implementation (Pending Feasibility and Adoption)	Full Implementation (Pending Feasibility and Adoption)	
Desalination and On-Farm Recycling			Plan Development	Plan Development	Plan Development	Plan Development	Partial Implementation	Full Implementation (Pending Feasibility and Adoption)	Full Implementation (Pending Feasibility and Adoption)	Full Implementation (Pending Feasibility and Adoption)	Full Implementation (Pending Feasibility and Adoption)	Full Implementation (Pending Feasibility and Adoption)	Full Implementation (Pending Feasibility and Adoption)	Full Implementation (Pending Feasibility and Adoption)	Full Implementation (Pending Feasibility and Adoption)	Full Implementation (Pending Feasibility and Adoption)	Full Implementation (Pending Feasibility and Adoption)	Full Implementation (Pending Feasibility and Adoption)	Full Implementation (Pending Feasibility and Adoption)	Full Implementation (Pending Feasibility and Adoption)	

- Plan Development (Secure Funding, Pilot Testing, Supporting Studies, Environmental Compliance)
- Partial Implementation
- Full Implementation
- Full Implementation (Pending Feasibility and Adoption)