

FOX CANYON GROUNDWATER MANAGEMENT AGENCY

800 S. Victoria Avenue | Ventura, CA 93009-1610 | Tel: (805) 654-2014 | FCGMA-GSP@ventura.org



Project Evaluation Checklist

BACKGROUND INFORMATION	
Project Name:	Installation of Dedicated Groundwater Monitoring Wells
Purpose of Project:	Data Gaps
Project Type:	Project Update
Sponsoring Agency:	Fox Canyon Groundwater Management Agency
Groundwater Basin:	Las Posas Valley Basin
Location:	Key wells in the Las Posas Valley Basin
Project Description:	The project proposes installing multi-depth monitoring wells to reduce a source of uncertainty in groundwater management identified in the GSP.
Implementation Trigger (if applicable):	N/A
Evaluation Criteria	Response (Applicant to Complete)
Water Supply	
Annual increase in Sustainable Yield (AFY):	N/A
Annual increase in supplemental water in lieu of pumping (AFY):	N/A
Groundwater demand reduction (AFY):	N/A
Sustainability indicators addressed:	Groundwater Levels, Groundwater in Storage, Groundwater Quality, Subsidence, ISW
Project documentation included?	Yes
Timing/Feasibility	
Project Implementation Timeframe	
Current Project status:	Conceptual - no feasibility or design
Estimated time to Project completion (years):	2 years, depending on funding
Timeline / feasibility documentation included?	No
Environmental	
CEQA/NEPA type:	Not Applicable
Status of CEQA/NEPA review and permitting:	Not applicable
Will the Project likely be permitted?	Yes
Sensitivity of location:	Low - can be located to avoid high sensitivity areas.
Permitting	
Permits required:	Well installation permit- Ventura County
Status / time required:	Permit can be obtained within weeks of application.
Likelihood of Project being permitted:	High

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Project Complexity	
Does the Project use new technology:	No
Does the Project require land acquisition:	No
Status of the land acquisition process:	Not required or all acquisitions and/or easements complete
Is the Project dependent on other unbuilt or unfunded projects:	No
Is the Project dependent on funded projects currently under construction:	No
Description of Operation and Maintenance (if applicable):	Monitoring wells should not require O&M.
Project Lifespan	
What is the projected lifespan of the Project:	Well installation over 2 to 3 years; Project to last > 30 years
Project Phasing	
<i>Please provide documentation of anticipated project phasing, including schedules and costs (capital and O&M) for each phase, as an attachment to this form.</i>	
Does Project require multiple phases of construction?	Yes
No. of anticipated construction phases:	2 to 3 depending on funding
Description of phases:	Wells can be installed in phases depending on how much funding is available.
Phasing timeline:	2 to 3 years depending on funding
Total cost per phase:	Will depend on the number of wells installed in each phase.
Project phasing documentation attached?	No
Cost and Funding	
Total capital cost:	\$1,020,000 per well
Total annual Operations & Maintenance (O&M) Cost:	N/A
Is the project Proponent providing a funding match to construct the project?	To Be Determined
Is there a funding source other than FCGMA for ongoing operation and maintenance costs?	N/A
Additional Benefits	
Does the project benefit disadvantaged or under-represented communities:	No
If yes, please describe the benefit(s):	
Project Proponent Contact Information	Response (Applicant to Complete)
Name:	Kim Loeb
Title:	Groundwater Manager
Organization:	Fox Canyon Groundwater Management Agency
Email:	kim.loeb@ventura.org

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Project Evaluation Checklist

Phone:	805-650-4083
Date:	9/29/2023

Installation of Additional Groundwater Monitoring Wells

Description

This project proposes installation of multi-depth monitoring wells in the West Las Posas Management Area (WLPMA) and East Las Posas Management Area (ELPMA) of the Las Posas Valley Basin (LPVB) to assess groundwater conditions in the principal aquifers of the LPVB that lack data. The GSP determined that there were spatial data gaps in the understanding of aquifer conditions and identified four potential new well locations that would help fill the identified gaps. In the WLPMA, the GSP identified the boundary between the WLPMA and the Oxnard Subbasin as an area that would benefit from additional groundwater monitoring to improve characterization of groundwater gradients across the basin boundary. In the ELPMA, the GSP identified the potential groundwater dependent ecosystem located along Arroyo Simi-Las Posas as a region that would benefit from additional groundwater monitoring. A new multi-depth groundwater monitoring well in this location would provide data on whether the vegetation in the riparian corridor relies on groundwater or soil moisture from infiltrating surface water. In addition, the GSP notes that there are no dedicated monitoring wells screened in the Grimes Canyon aquifer in the ELPMA and that adding a monitoring well would improve the understanding of groundwater gradients between the Fox Canyon aquifer and Grimes Canyon aquifer.

Since submittal of the GSP, well O2N20W04F02S, a key well in the ELPMA, was destroyed. A new dedicated monitoring well to replace this well would provide better characterization of groundwater conditions in the western part of the ELPMA. In addition to this well, FCGMA identified the pumping depression in the eastern portion of the WLPMA as an area that would benefit from a new dedicated monitoring well.

Relationship to Sustainability Criteria

Relationship to Minimum Thresholds

This project does not have a direct influence on the minimum thresholds. It will, however, provide data that can be used to improve basin management as well as evaluate and potentially revise the minimum thresholds in the future.

Relationship to Measurable Objectives

This project does not have a direct influence on the measurable objectives. It will, however, provide data that can be used to improve basin management as well as evaluate and potentially revise the measurable objectives in the future.

Expected Benefits

This data from these wells will be used to refine the conceptual and numerical models of the LPVB. Such refinement may result in reevaluation and adjustment of the minimum thresholds or measurable objectives and will inform groundwater management decisions for the LPVB.

Timetable for Implementation

Installation of monitoring wells will be phased as funding becomes available and the data from the new wells helps define the placement of subsequent wells. It is anticipated that the installation of the first two monitoring wells can be completed within a 2-year timeframe following commitment of funds for the project, with additional wells to follow.

Economic Factors and Funding Sources

The cost per new well is anticipated to be approximately \$1,020,000. Potential funding sources include DWR Technical Support Services (TSS) or SGM grant funds, as well as potential funding from FCGMA.