

Key components for Sierra Valley Implementation Grant

Component 1 – GRANT ADMINISTRATION

10% of total budget (~\$500,000)

Component 2 GSP UPDATES:

Budget: \$1,300,000

- Monitoring and data gaps
- Model updates
- Annual reports
- Progress toward 5-year update
- Stakeholder outreach

Component 3 IRRIGATION EFFICIENCY AND WATER CONSERVATION

Budget: \$2,180,000

- Ranch assessment for all the ranches in the valley: full report developed by UCCE (2023-2025)
- Identification of locations for further pilot projects
- Pilot installation (2025-2026)
- Monitoring to demonstrate benefit and water savings
- Stakeholder outreach

Component 4 GROUNDWATER RECHARGE FEASIBILITY STUDY AND PILOT DEMONSTRATION PROJECT (2023-04/2026)

Budget: \$1,340,000

- Build on the preliminary feasibility done during the previous grant
- Analyze and monitor contribution from the watershed into the groundwater basin and evaluation of the impact of fire, forest management, etc
- For the Smithneck/Badenaugh creek site, apply for diversion permits and design pilot projects
- Monitor and demonstrate small scale project and design the full scale for the next step
- Evaluate other locations for future implementation
- Stakeholder outreach

Component 5 WELL INVENTORY (2023-2025)

Budget: \$200,000

- Collect missing information (well depth, well logs, etc) for the high-capacity wells missing in the database
- Inventory for all wells (shallow, domestic, stockwater) within a ¼ of a mile from any high-capacity wells
- Monitor groundwater elevation at these wells and if impact from pumping is shown, expand the radius around the high-capacity wells