



PETALUMA VALLEY
GROUNDWATER
SUSTAINABILITY AGENCY

Advisory Committee Meeting

NOVEMBER 10, 2021

Agenda Review

| Time | Agenda Item |
|------|---|
| 4:30 | Welcome and Call to Order <i>Heidi Bauer, Chair & Sam Magill, Facilitation</i> |
| 4:35 | General Public Comment |
| 4:40 | Agenda Review, September meeting summary, <i>Ann DuBay, Administrator</i> |
| 4:50 | GSP Review and Discussion of Comments <i>Marcus Trotta</i> |
| 5:50 | Advisory Committee Roles, Responsibilities and Next Steps <i>Ann DuBay</i> |
| 6:10 | Updates <i>Andrea Rodriguez, Outreach, Ann DuBay & Marcus Trotta</i> |
| 6:25 | Review Meeting Action items <i>Sam Magill</i> |

Public Comment

September Meeting Summary

- Questions?
- Comments?

Groundwater Sustainability Plan Update

| SECTION | TOPIC |
|-------------------|--|
| Front Matter | Table of Contents, Acronyms, Abbreviations, Glossary, Acknowledgements |
| Executive Summary | Summarizes GSP |
| Section 1 | Introduction |
| Section 2 | Plan Area |
| Section 3 | Basin Setting, Hydrogeological Conceptual Model & Water Budget |
| Section 4 | Sustainable Management Criteria |
| Section 5 | Monitoring Plan |
| Section 6 | Projects & Management Actions |
| Section 7 | Implementation Plan |
| Section 8 | Appendices |

Groundwater Sustainability Plan Update

GSP public comment period closed October 31

10 commenters, including:

- California Department of Fish and Wildlife, Bay-Delta Region
- California Native Plant Society, Milo Baker Chapter
- Community Alliance with Family Farmers, Sonoma Chapter
- Coalition of state organizations, including Audubon California, Clean Water Action, Clean Water Fund, Local Government Commission, The Nature Conservancy, and Union of Concerned Scientists

Comments from organizations generally focused on
Interconnected Surface Water SMC

Comments from individuals generally focused on climate
change scenario

| SECTION | NUMBER OF COMMENTERS | TYPES OF COMMENTS | HOW COMMENTS ARE ADDRESSED |
|---------|----------------------|---|---|
| 1 | 1 | <ul style="list-style-type: none"> Provide more information on stakeholder engagement (DACs, tribal, environmental) | <ul style="list-style-type: none"> Added text in Section 1.4, regarding outreach to specific stakeholders |
| 2 | 2 | <ul style="list-style-type: none"> Add DACs and tribes to maps Show domestic well density, locations and depths Information on basin boundary between Santa Rosa Plain and Petaluma Valley | <ul style="list-style-type: none"> Modified Fig. 2-3 to show DACs and tribal land in trust Language added regarding estimated number of domestic wells and added map with distribution of known well depths. Current information is inadequate to sufficiently display distribution by well type <p>Comments resulting in response only (Comments noted, addressed elsewhere in document or will be addressed in future updates)</p> |

| SECTION | NUMBER OF COMMENTERS | TYPES OF COMMENTS | HOW COMMENTS ARE ADDRESSED |
|----------|----------------------|--|---|
| 3 | 4 | <ul style="list-style-type: none"> • Climate scenario and wet/dry years • Description of interconnected surface water • Add contour map on depth to groundwater for Inteconnected Surface Water (ISW) • Provide more compete description of groundwater-dependent ecosystems (GDE) • Map managed wetlands in subbasin | <ul style="list-style-type: none"> • Additional language on evaluation and selection of climate scenario, including both in text and appendix (and fact sheet) • Adding information and clarity on methodology for mapping ISW • Adding information and clarity on methodology for mapping GDE • Adding description and information of known managed wetlands • Adding regional geologic map |
| 3 (cont) | 4 | <ul style="list-style-type: none"> • Information regarding basin boundary with Santa Rosa Plain • Use 80-foot depth to groundwater threshold if Valley oaks exist in subbasin • Boundary area with Petaluma • Evaluate future surface water supply | <p>Comments resulting in response only (Comments noted, addressed elsewhere in document or will be addressed in future updates)</p> |

| SECTION | NUMBER OF COMMENTERS | TYPES OF COMMENTS | HOW COMMENTS ARE ADDRESSED |
|----------|----------------------|---|--|
| 4 | 4 | <ul style="list-style-type: none"> Impact of groundwater level (GWL) Sustainable Management Criteria (SMC) on native plants More information on future data collections | <ul style="list-style-type: none"> Adding information on protection to native vegetation for GWL and ISW SMC Adding detail on future data collection specific to ISW depletion |
| 4 (cont) | 4 | | <p><u>Other corrections/updates</u></p> <ul style="list-style-type: none"> Additional description and diagrams of “well impact factor” and “drought factor” Adding initial SMCs for all GWL RMPs New appendix for determination of future drought years Adding information on consideration of public trust resources |

| SECTION | NUMBER OF COMMENTERS | TYPES OF COMMENTS | HOW COMMENTS ARE ADDRESSED |
|----------|----------------------|--|--|
| 4 (cont) | 7 | <ul style="list-style-type: none"> • Time period used to determine groundwater level MTs; baseline conditions • Describe impacts on domestic wells users, tribes and DACs • Ensure SMCs align with drinking water standards • When defining undesirable results for GWLs provide specifics on biological responses • When defining undesirable results include description of instream habitat • Describe how MTs for ISWs prevent URs, and how effects beneficial users/uses of groundwater and fish/wildlife • Identify monitoring metrics for GDEs that will enable the GSA to characterize GDE vulnerability to groundwater depletion and URs | <p>Comments resulting in response only (Comment noted, comment addressed elsewhere in document, will be addressed during implementation, etc.)</p> |

| SECTION | NUMBER OF COMMENTERS | TYPES OF COMMENTS | HOW COMMENTS ARE ADDRESSED |
|---------|----------------------|---|---|
| 5 | 1 | <ul style="list-style-type: none"> Increase number of RMPs for water quality and in shallow aquifer | <p>Comments resulting in response only (comment noted, comment addressed elsewhere in document, will be addressed during implementation, etc.)</p> |
| 6 | 4 | <ul style="list-style-type: none"> For DACs and domestic well owners, include a drinking water well impact mitigation program to proactively monitor and protect drinking water wells Discuss how PMAs affect water quality for domestic well users Consider managed aquifer recharge and flood plain inundation | <ul style="list-style-type: none"> Clarifying that policy options could include future well impact mitigation program, as necessary Adding clarification that PMAs with potential to affect water quality will include project-specific monitoring programs Clarifying that flood plain inundation projects would be considered as part of Stormwater Capture and Recharge projects. |

| SECTION | NUMBER OF COMMENTERS | TYPES OF COMMENTS | HOW COMMENTS ARE ADDRESSED |
|----------|----------------------|--|---|
| 6 (cont) | 7 | <p>Projects</p> <ul style="list-style-type: none"> • Focus on recharge and stormwater capture • Implement multi-benefit projects • Determine how to equitably manage recharge projects • Add delivery of recycled water to residents • Consider recharge with recycled water <p>Management Actions</p> <ul style="list-style-type: none"> • Develop actions that incorporate climate and water delivery uncertainties • Implement real-time metering and reporting • Improve well location and condition information • Develop accounting for and permitting of water hauling for food farmers • Expedite implementation of policy options, including enacting mandatory water conservation • Well permits must have zero net use • Include CAFF in implementation | <p>Comments resulting in response only (comment noted, comment addressed elsewhere in document, will be addressed during implementation, etc.)</p> |
| 6 (cont) | 7 | | <p>Other corrections/updates</p> <ul style="list-style-type: none"> • Additional description of planned evaluation for PMA implementation • Additional description of evaluation |

| SECTION | NUMBER OF COMMENTERS | TYPES OF COMMENTS | HOW COMMENTS ARE ADDRESSED |
|----------|----------------------|---|---|
| 7 | 2 | <ul style="list-style-type: none"> Incentivizing land-owner recharge projects Consider credit-based incentives for multi-benefit actions during fee study | <ul style="list-style-type: none"> Clarifying that credit-based incentives will be considered during fee study |
| 7 (cont) | 2 | <ul style="list-style-type: none"> Prioritize implementation of policy options Implement flood plain inundation | <p>Comments resulting in response only (comment noted, comment addressed elsewhere in document, will be addressed during implementation, etc.)</p> |
| 7 (cont) | 2 | | <p>Other corrections/updates</p> <ul style="list-style-type: none"> Additional description of coordination with land use and other agencies/entities and annual data evaluation Describe planned evaluation of options for reporting groundwater extraction Additional detail on planned voluntary monitoring program Include completion of public data portal |

Questions?

Advisory Committee Overall Assessment of GSP

Post-GSP role of the Advisory Committee



| TASK | TECHNICAL INPUT NEEDED? | STAKEHOLDER INPUT NEEDED? | TIMING |
|--|--|--------------------------------------|----------------|
| Fee study | | X | Jan-June, 2022 |
| Policy Options -- Study | X | X | 2022-2023 |
| Policy Option -- Implement | | X | 2023-2026 |
| Data gaps: Refinement of monitoring networks | X | X | 2022-2026 |
| Water-Use Efficiency/Alternate Water Sources Project: Assessment of tools | X | X | 2022 |
| Water-Use Efficiency/Alternate Water Sources Project: Implementation | | X | 2023-2025 |
| ASR feasibility study update | | X | 2022-2024 |
| Stormwater Capture/Recharge- Site investigations | | X | 2022-2024 |
| Annual Reports | X | X | 2022-2026 |
| 5-year evaluation & Model Updates | X | X | 2025-2026 |
| Tracking water use? | | | |
| TASK | INFORMATION SHARING AND UPDATES | | TIMING |
| City of Petaluma Recycled Water Projects | | | 2022-2026 |
| Farm Plan Coordination | | | 2022-23 |

| Board Dates & Topics | Advisory Committee Dates & Topics |
|--|---|
| <p>January 27 (if needed)</p> <ul style="list-style-type: none"> ● Final GSP (placeholder, in case there are any filing issues; needs) | <p>January 12</p> <ul style="list-style-type: none"> ● GSP Implementation: Discussion of policy options ● Rate/Fee study options |
| <p>February 24</p> <ul style="list-style-type: none"> ● Fee Options ● 2022-23 Draft Budget | |
| <p>March 24</p> <ul style="list-style-type: none"> ● Fee options ● FY 2022-23 Budget ● Draft GSP Annual Report | <p>March 9</p> <ul style="list-style-type: none"> ● Draft GSP Annual Report ● Fee update ● Policy Options |
| <p>April 28</p> <ul style="list-style-type: none"> • Draft fee report • Policy Options | |
| <p>May 27 (if needed)</p> <ul style="list-style-type: none"> ● Final fee report | <p>May 11</p> <ul style="list-style-type: none"> ● Fee update ● Policy options |
| <p>June 27</p> <ul style="list-style-type: none"> • Final fee report • Fee adoption | |

| | |
|---|--|
| | <p>July 13</p> <ul style="list-style-type: none"> • GSP implementation/policy options |
| <p>August 25</p> <ul style="list-style-type: none"> • GSP Implementation/policy options • Fee | |
| | <p>September 14</p> <ul style="list-style-type: none"> • GSP implementation/policy options |
| <p>October 27</p> <ul style="list-style-type: none"> • GSP implementation/policy options | |
| | <p>November 9</p> <p>GSP implementation/policy options</p> |
| Community Meetings | |
| <ul style="list-style-type: none"> • Stakeholder Meetings on Fee, March-April, Dates TBD • Community Meetings on Fee, April-May, Dates TBD • GSP Implementation Update, Fall, Date TBD | |

Discussion?

Review Action Items

NEXT scheduled meeting:

Wednesday, January 12, 4:30 p.m.

Petaluma Community Center/hybrid

Board meets on December 8, 5:30 p.m.