



Requirements & Process to Develop Projects and Management Actions (PMAs)

Butte Subbasin Advisory Board
October 22, 2020

Projects and Management Actions

Today's Presentation

- Overview of Projects and Management Actions Requirements
- Process of Developing Projects and Management Actions
- Discussion and Direction as appropriate

Projects and Management Actions

About

- A required element of Groundwater Sustainability Plans
- Comprise the efforts that will achieve the sustainability goals established in the Butte GSP
- Importance of placing within the context of Basin Setting results



Projects and Management Actions

About

- Can include regulatory and non-regulatory actions
- Butte Subbasin GSAs have ample authority to take certain actions
- Butte Subbasin GSAs may accept projects or actions proposed by project proponents (e.g., water purveyors, associations, other agencies)
- Any PMA must meet criteria prescribed in the GSP regulations



Projects and Management Actions

Requirements

- The status of the PMA, including a time-table for expected initiation and completion, and the accrual of expected benefits.
- An explanation of the benefits that are expected to be realized from the PMA, and how those benefits will be evaluated.
- An explanation of how the PMA will be accomplished.
- A description of the legal authority to carry out the PMA and the basis for that authority within the Agency.
- A description of the estimated cost of the PMA and the plans to meet those costs.

Projects and Management Actions

Requirements

- A description of the measurable objective that is expected to benefit from the PMA (ex. groundwater levels, groundwater storage etc.).
- A description whether the PMA will be used to meet interim milestones, the exceedance of minimum thresholds, or where undesirable results have occurred or are imminent.
- A description of the circumstances under which the PMAs will be implemented, the criteria that would trigger implementation and termination
- A summary of the permitting and regulatory process required for each project and management action.

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Implementation

- Do not have to be implemented on January 31, 2022
- 20 Year Implementation Horizon
- Subject to 5-Year Progress Reports
- Adopted PMAs should include a range of contingencies in case planned PMAs do not meet Interim Targets
- PMAs should include stringent regulatory backstops (i.e., pumping limits, etc.) if other PMAs are insufficient

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Developing PMAs

Include a matrix of

- **Planned** – Projects in this category meet the acceptable criteria, have adequate planning and are scheduled to be completed prior to 2042.
- **Potential** – Projects in this category meet the acceptable criteria but are in early planning stages, but possibly could be completed by 2042. For example, these projects may have uncertain funding sources or need additional analysis.
- **Conceptual** – Projects in this category are in early conceptual planning stages and would require significant additional work.

Here's an example for the Butte GSP.....



Projects and Management Actions

| Project Name | Project Type | Project Proponent | Measurable Objective Expected to Benefit | Current Status | Time-table (initiation to completion) | Estimated Cost | Required Permitting and Regulatory Process | Expected Groundwater Demand Reduction (AF/year) | Planned, Potential, Or Concept | Management Area |
|--------------|--------------------|-------------------|--|----------------|---------------------------------------|----------------|--|---|--------------------------------|-----------------|
| Project A | Ag Conservation | TBD | Groundwater levels, Stream | | TBD | TBD | TBD | TBD | TBD | TBD |
| Project B | Recharge | TBD | Groundwater levels, Stream | | TBD | TBD | SWRCB Temporary water right permit | TBD | TBD | TBD |
| Project C | Recycling | TBD | Groundwater levels, Stream | | TBD | TBD | NPDES, PFOA, PFOS | TBD | TBD | TBD |
| Project D | New Water Supply | TBD | Groundwater Levels, Stream | | TBD | TBD | TBD | TBD | TBD | TBD |
| Project D | Urban Conservation | Vina GSA | Groundwater Levels, Stream | | TBD | TBD | TBD | TBD | TBD | TBD |
| Project E | Pumping Allocation | TBD | Groundwater Levels, Stream | | TBD | TBD | TBD | TBD | TBD | TBD |

Example

Projects and Management Actions

Process and Schedule

Schedule begins now and will end in summer 2021. Overview:

- **October-December 2020:** Initial PMA Identification and Assessment
- **January-February 2021:** Screening Analysis
- **March-May 2021:** Alternatives Analysis
- **June-August 2021:** Identify PMA mix and analyze uncertainty
- **September-October 2021:** Public review draft GSP



Immediate Next Steps

- **October-November:** GSA managers preliminary identification of projects (compilation of projects from existing plans, including: Ag Water Management Plans, Integrated Regional Water Management Plan, Butte County Recharge Study, Sacramento Valley Regional Plan)
- **October-December:** Finalize PMA Form for website posting and outreach to gather additional projects
- **December:** Discuss and brainstorm projects and conduct preliminary assessment

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Discussion