



Projects and Management Actions (PMAs)

How They Can Help Ukiah Basin Achieve Sustainability Goals



Projects and Management Actions (PMAs) are important in helping achieve sustainability goals by 2042, to avoid undesirable results through 2092, and to respond to changing conditions in the Ukiah Basin. Breaking down PMA terms, Projects generally refer to the planning and implementation of infrastructure features and other capital investments, whereas Management Actions are typically programs or policies that do not require capital investments, but are geared toward engagement, education, outreach, adoption of land use practices, and monitoring.

In developing PMAs, priorities for consideration include minimizing impacts to the Ukiah Basin's economy, maximizing external funding, and prioritizing voluntary and incentive-based programs over mandatory programs.

Classification of PMAs

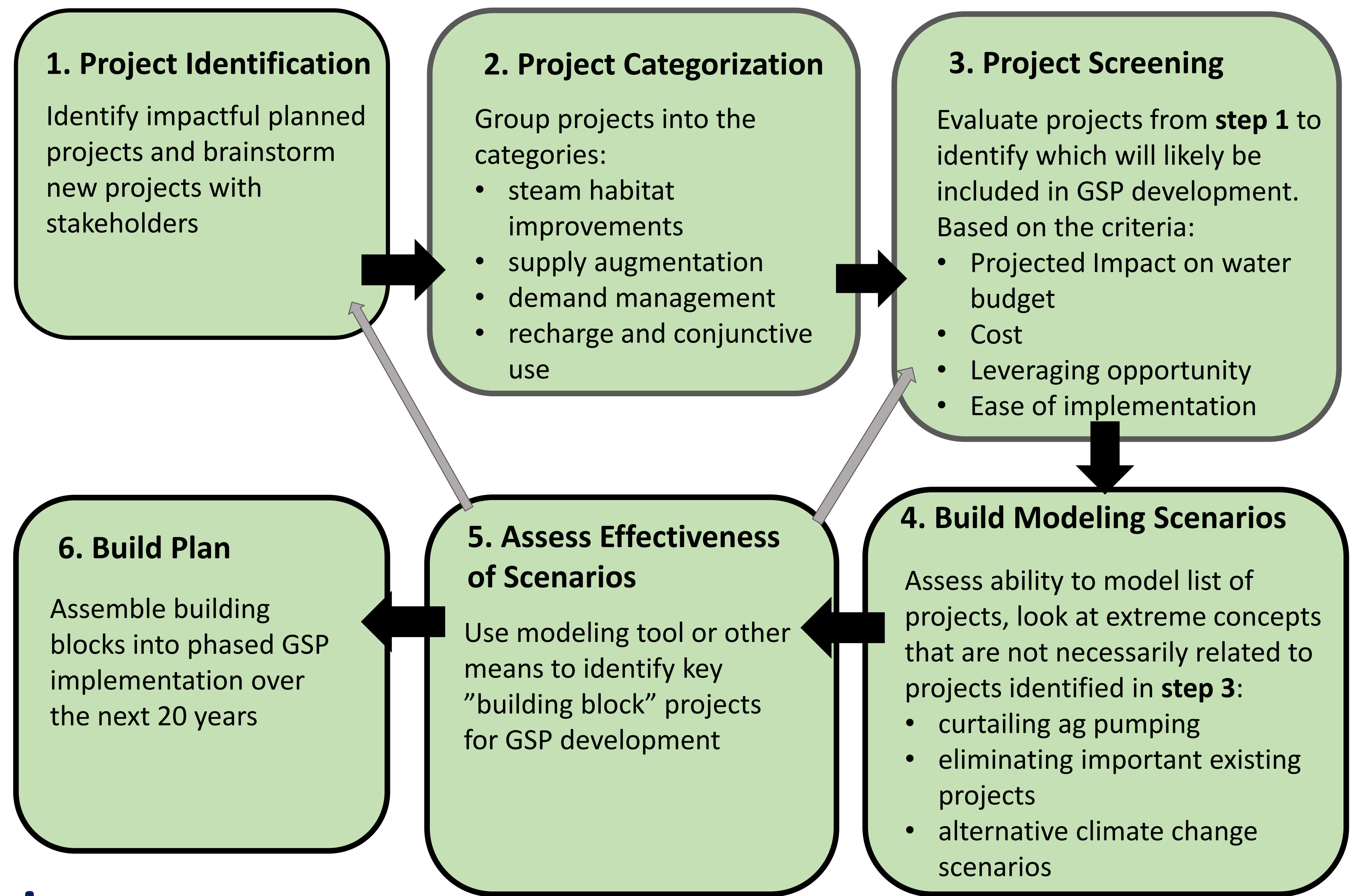
PMAs are important tools to support GSP development. They are classified into three main categories and two tiers of implementation schedules. The three categories for type of PMA include:

- 1) Supply augmentation and conjunctive use
- 2) Demand management and water conservation
- 3) Other management actions

The two tiers of implementation are:

- Tier I – Existing or Ongoing PMAs
- Tier II – Planned and Potential Future PMAs

PMAs Identification and Screening Process



Examples of PMAs for the Ukiah Basin

Tier I - Existing Plans and PMAs	Tier II – Planned and Potential PMAs
<ul style="list-style-type: none"> • The County of Mendocino General Plan, August 2009 • Conceptual Model of Watershed Hydrology, Surface Water and Groundwater Interactions and Stream Ecology for the Russian River Watershed, September 2016. • Ukiah Valley Area Plan, August 2011 • Fish Habitat Flows and Water Rights Project, Draft Environmental Impact Report, August 2016 • The North Coast Resource Partnership projects • Draft Lake Mendocino Master Plan, 2019 Revision • Lake Mendocino Water Supply Reliability Evaluation Report, May 2013 • City of Ukiah Storm Water Management Plan, February 2006. • City of Ukiah 2015 Urban Water Management Plan • Southern Sonoma County Storm Water Resources Plan, May 2019 • Sonoma Water 2020-2025 Capital Improvement Plan • North Coast Integrated Regional Water Management Plan Phase III, August 2014 	<ol style="list-style-type: none"> 1) Supply augmentation and conjunctive use <ul style="list-style-type: none"> • Managed Aquifer Recharge and/or Injection Wells • Well rehabilitation in Redwood Valley • City of Ukiah Western Hills Source Water Protection • Reduce evaporation losses from existing surface water storage 2) Demand management and water conservation <ul style="list-style-type: none"> • Pumps for Potable Water Intertie • Conservation Easements • Municipal and Irrigation Efficiency Improvements • Conservation Programs and green Infrastructures • Voluntary Land Repurposing • Alternative Lower Evapotranspiration Crop evaluation 3) Other management actions <ul style="list-style-type: none"> • Well inventory program • Drought mitigation measures • Voluntary wells metering program • Outreach and education

Do you have a well that could be used to help develop and monitor PMAs?
 Do you have other data that would be helpful in developing PMAs?