

# Oxnard Subbasin and Pleasant Valley Basin Facilitated Process Core Stakeholder Group Meeting 2

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# Tools for Sustainable Groundwater Management

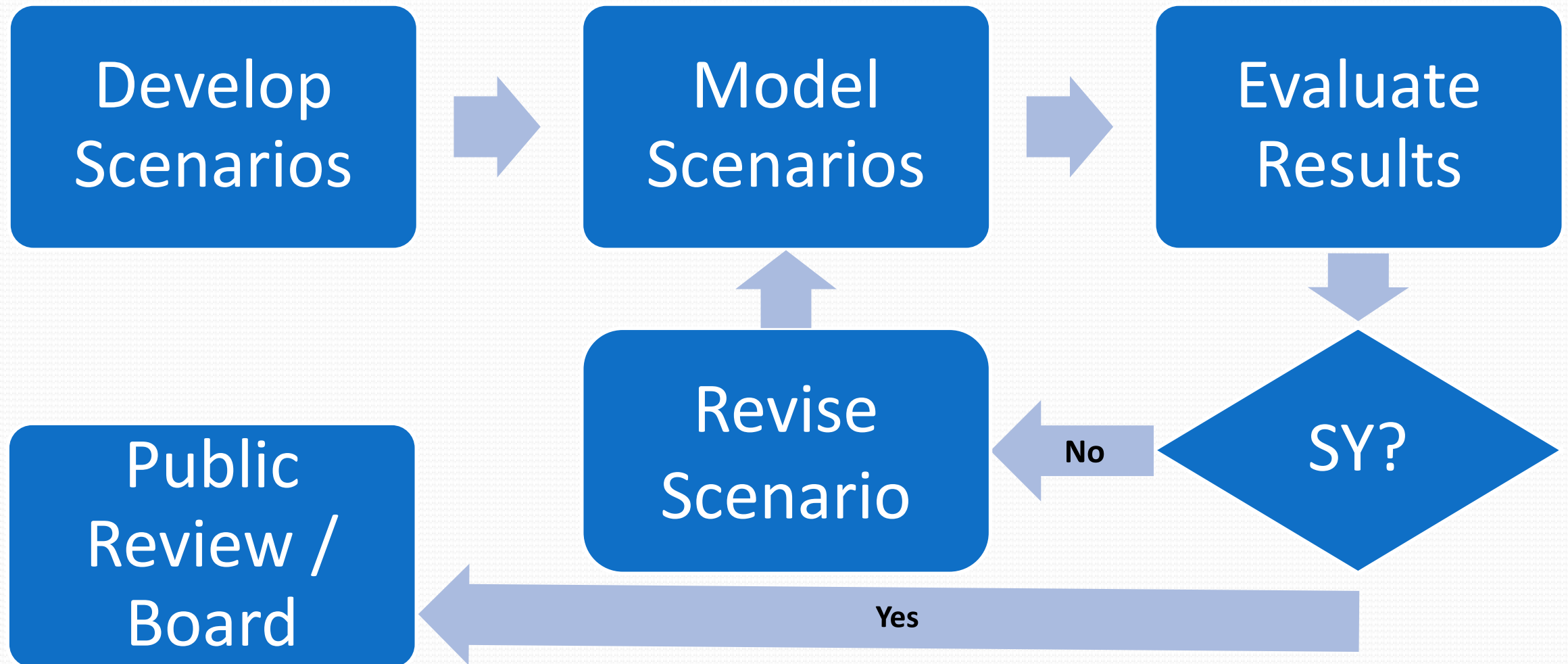
- Basin Optimization: maximize the sustainable yield of the basin utilizing both projects and management actions
- Management Actions: incentives/disincentives to relocate extraction (e.g., inland from coast, LAS vs. UAS), pumping reductions, etc.
- Projects: water supply, infrastructure (e.g., pipelines), and mitigation (e.g., seawater intrusion barrier) projects

# Path to Sustainable Groundwater Management

*Implement basin optimization and projects to identify 2040 sustainable yield target*



# Basin Optimization Analysis



# Optimization Scenario Development

## Management Actions

- Shift pumping inland:  
Balance between recharge in Forebay vs. distribution to confined coastal areas
- Balance pumping in LAS and UAS:  
Minimize seawater intrusion inflow and freshwater outflow
- Pumping reductions

## Projects

- Additional pipeline infrastructure to move water to coastal areas
- New well installation and destruction
- Coastal barrier project
- Recycled water

# Next Steps

- Develop optimization scenarios
  - Identify management actions and projects needed for implementation
- Iterative process:
  - Model optimization scenarios
  - Evaluate model scenario results
  - Revise and refine scenarios and model again
- Initial feasibility analysis of projects including
  - Order-of-magnitude cost estimate
  - Implementation timing