**2020 OBMP Update - Activity L**

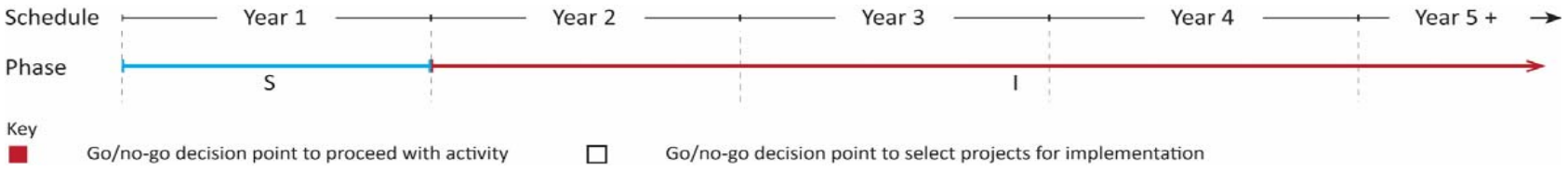
*Perform the appropriate amount of monitoring and reporting required to fulfill basin management and regulatory compliance*

**Need and Objectives**: Watermaster conducts data-collection programs and prepares reports and data deliverables to comply with regulations, to fulfill its obligations under its agreements and Court orders, to comply with its requirements under CEQA, and to assess the performance of the evolving OBMP IP, including the 2020 OBMP Update. These monitoring and reporting efforts are described in Exhibit L-1, and will need to continue. The objective of Activity L is to refine the monitoring and reporting requirements of Watermaster to ensure that the objectives of each requirement are being met efficiently at a minimum cost.

| Phase* | Task | Outcomes | Watermaster Role | Are these outcomes necessary for Watermaster to Administer the Physical Solution or Comply with Other Requirements? |
|---|---|---|---|---|
| S, PN | 1 – Convene Monitoring and Reporting Committee and prepare the Monitoring and Reporting Work Plan | Comprehensive review of all monitoring/reporting programs in an open stakeholder process;<br>*Monitoring and Reporting Work Plan* ;<br>Technical Memo: *Recommended Revisions to Watermaster's Non-Discretionary Monitoring and Reporting Programs* | Lead committee;<br>Prepare work plan | No, however, monitoring and reporting are required to implement the Judgment and comply with regulations and Watermaster obligations. Since the beginning of OBMP implementation, Watermaster staff and engineer have continually refined the monitoring and reporting efforts to meet all requirements and achieve efficiencies (see Exhibit L-1) and will continue to do so. This activity continues these refinement efforts in closer collaboration with the parties. |
| I | 2 – Implement recommendations in Monitoring and Reporting Work Plan | Revisions to Watermaster's non-discretionary monitoring and reporting programs<br><br>Future updates to the Monitoring and Reporting Work Plan | Technical demonstrations to the appropriate regulatory body to gain approval for revisions to the monitoring/reporting program;<br>Update work plan, when necessary | |
| PN, I | 3 – (recurring future task) – Bi-Annual review of scope of work and cost to implement the Monitoring and Reporting Work Plan in the subsequent fiscal year | Update to *Monitoring and Reporting Work Plan*<br><br>A scope of work and budget for the subsequent fiscal year | Convene committee;<br>Update the work plan;<br>Prepare scope and budget recommendation for subsequent year | |

**Phase Descriptions: S = Scoping PN = Evaluate need for project PAE = Project alternative evaluation I = Implementation*

**Activity Implementation Schedule and Go/No-Go Decision Points**

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**2020 OBMP Update - Activity K:**

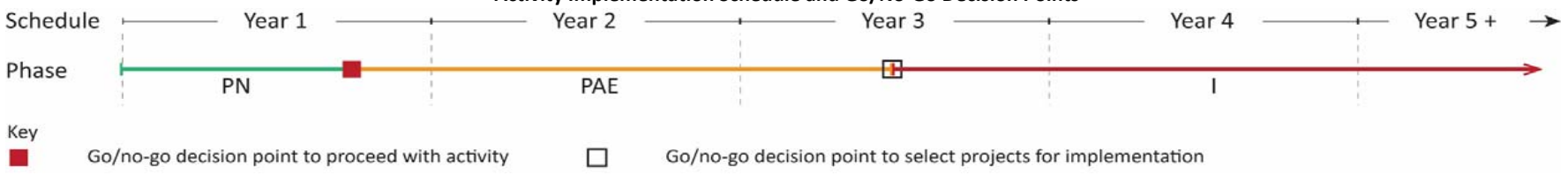
*Develop a management strategy within the salt and nutrient management plan to ensure the ability to comply with the dilution requirements for recycled water recharge*

**Need and Objectives**: The Watermaster and IEUA implement a recycled water recharge program to improve supply reliability. The Maximum Benefit SNMP requires that the recharge be diluted with other sources of low-salinity water to comply with Basin Plan Objectives. If sufficient dilution supplies are not available to comply with the dilution metric, treatment of recycled water, or other salt offset program will be required by the Regional Board. The objective of this activity is to determine if compliance with the Maximum Benefit SNMP recycled water recharge dilution requirements can be achieved under existing management plans, and if not, to develop a plan to achieve compliance.

| Phase | Task | Outcomes | Watermaster Role | Are these outcomes necessary for Watermaster to Administer the Physical Solution or Comply with Other Requirements ? |
|---|---|---|---|---|
| S/PN | 1 – Prepare projection to evaluate compliance with recycled water dilution requirements<br><br>5 – Periodically reevaluate compliance with dilution requirements | understanding of ability to comply with the TDS and nitrate dilution requirements in the SNMP (near-term and long-term) | Perform technical work in collaboration with IEUA | Yes |
| PAE | 2 – Identify alternative compliance strategies<br><br>3 – Evaluate alternative compliance strategies | conceptual design, operating plans, and costs of project alternatives<br><br>Report to document compliance plan and supporting info | Technical support role to IEUA to evaluate hydrogeologic impacts of project alternatives | Yes |
| I | 4 – Implement the selected compliance strategy | Compliance project (or other compliance action) | Level of support depends on the compliance action | Yes |

**Phase Descriptions: S = Scoping PN = Evaluate need for project PAE = Project alternative evaluation I = Implementation*

**Activity Implementation Schedule and Go/No-Go Decision Points**

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**2020 OBMP Update - Activity CG:**

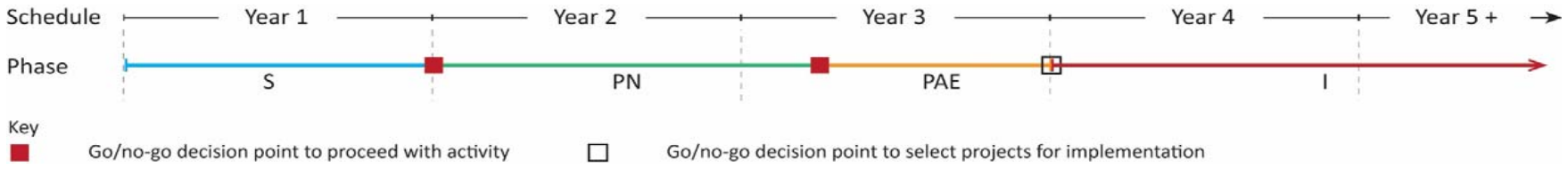
*Identify and implement regional conveyance and treatment projects/programs to enable all stakeholders to exercise their pumping rights and minimize land subsidence AND Optimize the use of all sources of water supply by improving the ability to move water across the basin and amongst stakeholders, prioritizing the use of existing infrastructure*

**Need and Objectives**: The parties have identified that there are basin management challenges, such as land subsidence and poor water quality, that could limit their ability to exercise their pumping rights using existing infrastructure. Additionally, There are numerous challenges to the reliability of the non-Chino Basin groundwater water supplies available to the Chino Basin parties and the infrastructure that deliver them. The objectives of Activity CG is to optimize the use of all sources of water available to the parties to meet their demands despite these challenges and potentially help mitigate them.

| Phase | Task | Outcomes | Watermaster Role | Are these outcomes necessary for Watermaster to Administer the Physical Solution or Comply with Other Requirements ? |
|---|---|---|---|---|
| S | 1 - Form the Water Supply Reliability Committee, define objectives, and refine scope | Mutual understanding of the universe of water reliability concerns of parties | Could convene committee, or just serve support role to IEUA | No |
| PN | 2 - Characterize water demands, water supply plans, and existing/planned infrastructure and its limitations | Identify opportunities and limitations in the existing/planned infrastructure to meet reliability goals defined in Task 1 | Technical support role to IEUA or other activity lead | No |
| PAE | 3 – Develop planning, screening, and evaluation criteria<br><br>4 – Identify and describe water supply reliability opportunities<br><br>5 – Develop reconnaissance-level engineering design and operating plan | Conceptual design, operating plans, and costs of reliability alternatives<br><br>Project implementation plan | Technical support role to IEUA or other activity lead | No |
| I | 6 – Plan, design, and build water reliability projects | Projects | None | No |

**Phase Descriptions: S = Scoping PN = Evaluate need for project PAE = Project alternative evaluation I = Implementation*

**Activity Implementation Schedule and Go/No-Go Decision Points**

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**2020 OBMP Update - Activity A:**

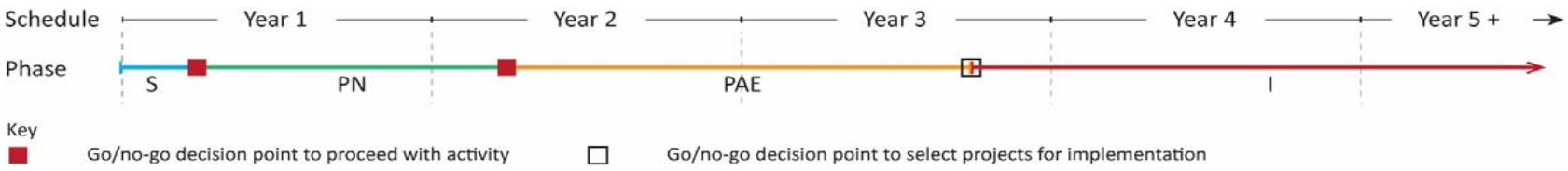
*Construct new facilities and improve existing facilities to increase the capacity to store and recharge storm and supplemental waters, particularly in areas of the basin that will promote the long-term balance of recharge and discharge*

**Need and Objectives**: The objectives of Activity A are (1) to maximize stormwater capture pursuant to Watermaster's diversion permits, (2) to promote the long-term balance of recharge and discharge, (3) to ensure sufficient supplemental water recharge capacity for future replenishment, (4) to reduce dependence on imported water by maintaining or enhancing safe yield, (5) to improve water quality, and (6) to ensure a supply of dilution water to comply with recycled water recharge permit requirements. Based on the alignment of the objectives of Activity A with those of the RMPU, Activity A can be accomplished through the existing RMPU process.

| Phase | Task | Outcomes | Watermaster Role | Are these outcomes necessary for Watermaster to Administer the Physical Solution or Comply with Other Requirements ? |
|---|---|---|---|---|
| S | 1 – Define objectives and refine scope of work | Consensus on objectives of 2023 RMPU | Convene committee | Yes |
| PN | 2 – Develop planning, screening, and evaluation criteria | New criteria for selecting projects | Technical support role | Yes |
| PAE | 3 – Describe recharge enhancement opportunities<br><br>4 – Develop reconnaissance-level engineering design and operating plan | Conceptual design, operating plans, and costs of recharge alternatives<br><br>Project implementation and financing plan | Technical support role | Yes |
| I | 5 – Plan, design, and construct selected recharge projects | New recharge projects | Technical support role | Yes, to the extent that additional recharge capacity is needed |

**Phase Descriptions: S = Scoping PN = Evaluate need for project PAE = Project alternative evaluation I = Implementation*

**Activity Implementation Schedule and Go/No-Go Decision Points**

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**2020 OBMP Update - Activity B**

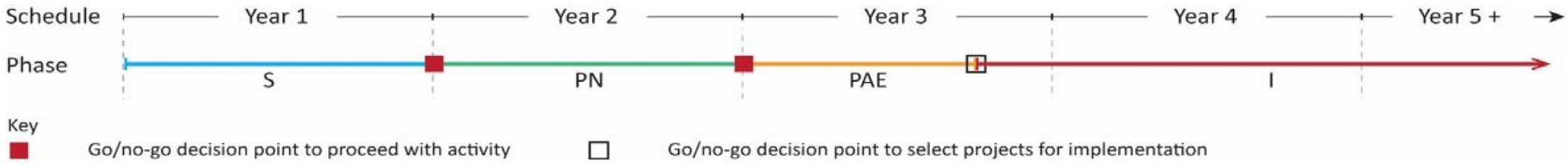
*Develop, implement, and optimize storage-and-recovery programs to increase water-supply reliability, protect or enhance safe yield, and improve water quality*

**Need and Objectives**: The Parties desire to develop and implement "optimized" storage and recovery programs that avoid potential MPI and provide broad benefits, such as increased water-supply reliability, protected or enhanced safe yield, improvements to water quality, and reduced cost for OBMP implementation. The objectives of Activity B are to prepare a Storage and Recovery Master Plan in a collaborative setting that clearly articulates the specific objectives of the parties and the required benefits to be realized from storage and recovery programs. The master plan will assist the parties and their storing partners to select and implement storage and recovery programs that achieve the their objectives and the desired benefits.

| Phase* | Task | Outcomes | Watermaster Role | Are these outcomes necessary for Watermaster to Administer the Physical Solution or Comply with Other Requirements ? |
|---|---|---|---|---|
| S | 1 – Convene the Storage and Recovery Program Committee, define objectives, and refine scope of work | Consensus on objectives and desired benefits of S&R programs<br><br>Scope/cost to prepare the Master Plan | Convene committee; ensure that Committee recommendations are consistent with Watermaster governing documents | Yes. While there is no requirement to optimize S&R programs, the Watermaster is required to evaluate S&R programs for potential MPI, compel mitigation, if necessary, and prioritize approval of S&R programs that provide broad mutual benefits to the parties. This is the most efficient process that enables Watermaster to perform this role. |
| PN | 2 – Develop conceptual alternatives for storage and recovery programs at various scales | Conceptual descriptions of various types of S&R recovery programs that achieve the objectives defined in Task 1 | Administer meetings; assist in the development and documentation of conceptual alternatives | |
| PAE | 3 – Describe and evaluate reconnaissance-level facility plans and costs for S&R program alternatives | Reconnaissance-level facility plans, operational plans, and costs for various S&R program alternatives | Administer meetings; assist in development of alternatives; groundwater modeling to estimate basin response | |
| I | 4 – Prepare Storage and Recovery Program Master Plan | S&R Program Master Plan that will support S&R program selection, solicitation of storing partners, applications for funding, and Watermaster approvals | Administer meetings; Preparing draft and final master plan | |

**Phase Descriptions: S = Scoping PN = Evaluate need for project PAE = Project alternative evaluation I = Implementation*

**Activity Implementation Schedule and Go/No-Go Decision Points**



**2020 OBMP Update - Activity D:**

*Maximize the reuse of recycled water produced by IEUA and others*

**Need and Objectives**: The objective is to maximize the reuse of recycled water produced by the IEUA and other publicly owned treatment works (POTWs) in proximity to the Chino Basin to meet future demands and improve local water-supply reliability, especially during dry periods. Expanded reuse activities could include direct non-potable reuse (landscape irrigation or industrial uses), groundwater recharge (indirect potable reuse), and direct potable reuse. Increasing recycled water reuse is an integral part of the OBMP's goal to enhance water supplies. The direct use of recycled water increases the availability of native and imported waters for higher-priority beneficial uses.

| Phase | Task | Outcomes | Watermaster Role | Are these outcomes necessary for Watermaster to Administer the Physical Solution or Comply with Other Requirements ? |
|---|---|---|---|---|
| S | 1 – Convene Recycled Water Projects Committee, define objectives and refine scope of work | Consensus on the objectives for optimizing and maximizing recycled water reuse | Could convene committee, or just serve support role to IEUA | No |
| PN | 2 – Characterize the availability of all recycled water supplies and demands | Understanding of demand and opportunities for increased recycled water reuse | Technical support role to IEUA or other activity lead | No |
| PAE | 3 – Develop planning, screening, and evaluation criteria<br><br>4 – Identify and describe potential projects for evaluation<br><br>5 – Conduct a reconnaissance-level study for the proposed projects | Conceptual design, operating plans, and costs of reuse projects<br><br>Characterization of SNMP impacts of reuse projects<br><br>Project implementation and financing plan | Technical support role to IEUA or other activity lead | No |
| I | 6 – Plan, design, and construct selected projects | New recycled water reuse projects | None | No |

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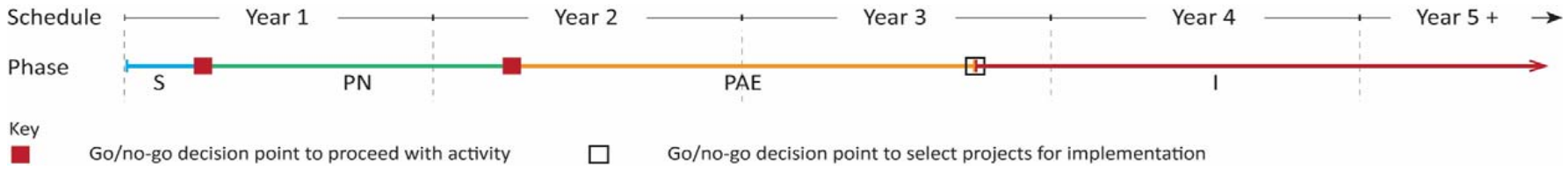
**Activity Implementation Schedule and Go/No-Go Decision Points**



**2020 OBMP Update - Activity EF**

*Develop and implement a water-quality management plan to address current and future water-quality issues and protect beneficial uses AND*
*Develop strategic regulatory-compliance solutions that achieve multiple benefits in managing water quality*

**Need and Objectives**: Groundwater contaminants are present across the Chino Basin, new contaminants are being discovered, and water-quality regulations are evolving and becoming more restrictive. These trends are limiting the beneficial use of groundwater and increasing the cost of the water supply. The objectives of Activity EF are to characterize the water-quality challenges across the Chino Basin and identify the most efficient means to address the water-quality challenges, including the potential for multi-benefit collaborative projects, to ensure that groundwater can be put to beneficial use.

| Phase* | Task | Outcomes | Watermaster Role | Are these outcomes necessary for Watermaster to Administer the Physical Solution or Comply with Other Requirements ? |
|---|---|---|---|---|
| S | 1 - Convene the Water Quality Committee, define objectives, and refine scope of work | Mutual understanding of the universe of water quality concerns of parties | Convene committee | Yes |
| PN | 2 - Develop and implement an initial emerging-contaminants monitoring plan | Data | Prepare monitoring plan; collect and compile data | Yes |
| PN | 3 – Perform a water quality assessment and prepare a scope to develop and implement a Groundwater Quality Management Plan | Understanding of scale of problem; scope/cost to evaluate project alternatives; long-term monitoring plan; | Perform characterization | Yes |
| PAE | 4 – Develop planning, screening, and evaluation criteria<br><br>5 – Identify and describe potential projects for evaluation<br><br>6 – Conduct a reconnaissance-level study for the proposed projects<br><br>7 – Prepare the Groundwater Quality Management Plan | Conceptual design and operating plans for project alternatives<br><br>Understanding of cost to manage Chino Basin groundwater quality with and without collaborative projects<br><br>Management plan to document project implementation plan and supporting info | Technical support role to evaluate project alternatives and characterize potential for MPI (if necessary)<br><br>Technical support role to prepare the Groundwater Quality Management Plan | Yes |
| I | 8 – Plan, design, and build water quality management projects | Groundwater quality improvement projects | None | No |

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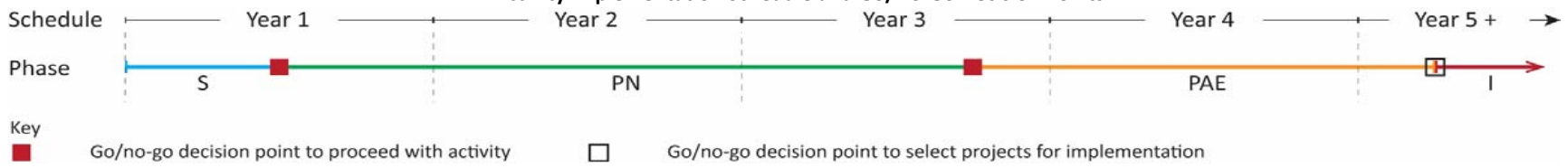
**Activity Implementation Schedule and Go/No-Go Decision Points**

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