

## Appendix G - Example Goals and Objectives

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# Memorandum



**Subject:** Example Goals and Objectives

**Prepared For:** Merced Integrated Regional Water Management Plan – Regional Advisory Committee

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According to Integrated Regional Water Management (IRWM) Planning Guidelines published by the California Department of Water Resources in August 2010, IRWM Plans must clearly present plan objectives addressing major water-related issues and conflicts of the region, as well as the process used to develop the objectives. In addition, objectives must be measurable by some practical means so achievement of objectives can be monitored (this is achieved through identification of performance measures / metrics for tracking objectives). In developing IRWM Plan objectives, planning efforts must consider overarching goals that apply to their area, including the following.

- Basin Plan Objectives (related to water quality)
- 20x2020 water efficiency goals (related to demand management)
- Requirements of CWC §10540(c), which states that, at a minimum, all IRWM Plans shall address all of the following (note that these items do not necessarily have to be included in the objectives, just considered in the IRWM planning effort as Plan objectives are developed):
  - Protection and improvement of water supply reliability, including identification of feasible agricultural and urban water use efficiency strategies.
  - Identification and consideration of the drinking water quality of communities within the area of the Plan.
  - Protection and improvement of water quality within the area of the Plan consistent with relevant basin plan.
  - Identification of any significant threats to groundwater resources from overdrafting.
  - Protection, restoration, and improvement of stewardship of aquatic, riparian, and watershed resources within the region.
  - Protection of groundwater resources from contamination.
  - Identification and consideration of water-related needs of disadvantaged communities in the area within the boundaries of the Plan.

The Merced IRWM program's Regional Advisory Committee (RAC) will play a critical role in developing objectives for the Merced IRWM Plan (MIRWMP). To assist in developing meaningful objectives for the Region, the Goals and Objectives identified in a variety of local plans have been compiled, and example objectives and performance measures have been developed to facilitate brainstorming.

## Goals and Objectives of Local Plans

The following table summarizes Goals and / or Objectives contained in a variety of local documents covering various aspects of water management in the Merced Region. These goals and objectives are provided as reference to be used when developing objectives for the Merced Integrated Regional Water Management Plan.

**Table 1: Goals and Objectives Identified in Merced Region Local Plans**

Document Name	Goals and / or Objectives
1 Region Acceptance Process	1. Establish the boundaries of its region for planning and funding purposes 2. Establish and further develop a group that maintains its vitality well beyond the current scope of this planning and funding program
2 Merced County - GPU Background Report	1. Build and preserve the San Joaquin Valley's best places 2. Establish a foundation from which subsequent planning policies and programs will be formulated
3 MAGPI - GWMP, 2008	1. Identify and implement a number of actions using modern technology and sound science to preserve and / or increase the quantity of groundwater resources to ensure adequate groundwater resources for future generations
4 Merced County GPU - Water Supply/Demand TM	1. Summarize conceptually a baseline condition as compared to projected groundwater and surface water demand
5 MAGPI - Data Assessment	1. Describe the regional hydrogeologic setting of the eastern Merced County 2. Identify and compile available water resources data needed to investigate potential conjunctive use opportunities in the Merced Groundwater Basin 3. Develop a data management plan for MAGPI members

## Example Objectives and Performance Measures

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Document Name	Goals and / or Objectives
6 Merced County - GPU Alternatives Report	<ol style="list-style-type: none"><li>1. Establish a blueprint for growth, public services, and resource conservation to the year 2030</li><li>2. Efficient Land Use</li><li>3. Meet Projected Land Demand</li><li>4. Retain farmland in agricultural production</li><li>5. Maintain compatibility of agricultural production and resident comfort and safety in new growth</li><li>6. Provide access to new communities with proportionately less traffic on the streets and highways</li><li>7. Create new demands for transit services in existing unincorporated communities and new communities/towns</li><li>8. Design and construct roads that are sized to accommodate truck traffic</li><li>9. Minimize vehicular traffic in the area of existing rail crossings</li><li>10. Minimize conflicts between new growth and aviation users</li><li>11. Incorporate bikeways and trails in new towns/new communities</li><li>12. Logically plan water and wastewater expansions while supporting incremental growth</li><li>13. Plan water and wastewater systems for new communities with sustainable components and incorporate reclamation and reuse of highly-treated wastewater</li><li>14. Avoid development in the San Joaquin and Merced River corridors</li><li>15. Integrate improved storm drainage systems and approaches to prevent new flood hazards</li><li>16. Reduce exposure to local flood risks and/or the need for flood protection</li><li>17. Meet fire protection and law enforcement response goals</li><li>18. Minimize school overcrowding</li><li>19. Increase access to park and recreation facilities</li><li>20. Limit fiscal and infrastructure financing impacts</li><li>21. Avoid growth in the largest areas of the most ecologically sensitive areas of Merced County including the Grasslands Ecological Area, Merced River riparian corridor, and San Joaquin River corridor</li><li>22. Maximize ability to adapt to expected effect of climate change</li><li>23. Minimize greenhouse gas emissions and air quality impacts</li></ol>
7 Merced County - Flood Control Project FS	<ol style="list-style-type: none"><li>1. Reduce flows at the Black Rascal Creek diversion</li></ol>
8 Merced County SW Mgmt Program	<ol style="list-style-type: none"><li>1. Limit, to the Maximum Extent Practicable, the discharge of pollutants from the Merced Storm Water Group storm sewer system</li></ol>

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Document Name	Goals and / or Objectives
9 MID - Merced GW Basin GWMP	<ol style="list-style-type: none"><li>1. Protection and planned maintenance of groundwater quality</li><li>2. Protection and beneficial use of recharge areas</li><li>3. Monitoring of Basin parameters for the primary purpose of maintaining groundwater qualities and eliminating conditions of long-term overdraft</li></ol>
10 MID - GWMP	<ol style="list-style-type: none"><li>1. Contribute to meeting the regional water management goals established in the Merced Water Supply Plan</li></ol>
11 MID - Water Management Plan	<ol style="list-style-type: none"><li>1. Establish a dynamic list of Efficient Water Management Practices (EWMPs)</li><li>2. Establish criteria to evaluate the appropriateness of EWMPs</li><li>3. Implement appropriate EWMPs, while avoiding unnecessary or unreasonable planning, paperwork, or expense for water suppliers, thereby voluntarily achieving more efficient water management that currently exists or may be required by law</li><li>4. Create a constructive working relationship between agricultural water suppliers, environmental interest groups and other interested parties</li></ol>
12 MID- Water Supply Plan	<ol style="list-style-type: none"><li>1. Manage groundwater resources</li><li>2. Provide high quality, reliable supply for cities</li><li>3. Protect and enhance economic base</li><li>4. Protect Merced ID's Merced River water rights</li><li>5. Maintain consensus on water supply plan</li></ol>
13 MID-Cressey Basin Hydrogeologic Investigation	<ol style="list-style-type: none"><li>1. Collect geologic and hydrogeologic data from the subsurface to be used for an evaluation of the Cressey Basin site as a potential groundwater recharge location</li></ol>
14 MID - Public Water Supply Well Survey/Bear Creek Study	<ol style="list-style-type: none"><li>1. Conduct a survey of all public water supply wells within the subbasin to a common datum</li><li>2. Investigate the surface water-groundwater interactions along a 7-mile reach of Bear Creek and evaluate potential for recharge</li></ol>
15 MID - Basin Mgmt Obj.	<ol style="list-style-type: none"><li>1. Maintain the groundwater surface elevation during the peak summer irrigation season (July and August) in all aquifer systems at a level that will assure an adequate and affordable irrigation groundwater supply, and to assure a sustainable agricultural supply of good quality water now and into the future</li><li>2. Assure an adequate groundwater supply of adequate quality from the alluvial aquifer system for all domestic users in the sub-inventory unit and to assure the water supply can be utilized without impacting groundwater quality or inducing land subsidence</li></ol>

## Example Objectives and Performance Measures

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Document Name	Goals and / or Objectives
16 City of Merced - 2010 UWMP	<ol style="list-style-type: none"><li>1. Maintain efficient use of urban water supplies</li><li>2. Continue to promote conservation programs and policies</li><li>3. Ensure that sufficient water supplies are available for future beneficial use</li><li>4. Provide a mechanism for response during water drought conditions</li></ol>
17 City of Merced - 2030 GP EIR	<ol style="list-style-type: none"><li>1. Disclose, analyze, and provide mitigation measures for all potentially significant environmental effects associated with adoption and implementation of the proposed Merced Vision 2030 General Plan</li></ol>
18 City of Atwater - 2005 UWMP	<ol style="list-style-type: none"><li>1. Respond to California Water Code Division 6 Part 2.6 requirements</li><li>2. Maximize groundwater resources through water-conserving measures, thus reducing the future need to import water</li></ol>
19 City of Livingston- Storm Drain Master Plan	<ol style="list-style-type: none"><li>1. Establish a recommended master plan for storm drainage facilities that will serve new development areas that are currently located within the City of Livingston's sphere of influence or are likely to be incorporated into the sphere of influence at some point in the foreseeable future</li><li>2. Provide recommendations for mitigating nuisance flooding in several problem areas of the existing City urbanized area and for eliminating some of the City's current detention/retention ponds that are considered undesirable due to issues related to aesthetics, environment, and/or maintenance</li></ol>
20 City of Livingston - Water Distribution System Master Plan	<ol style="list-style-type: none"><li>1. Establish water system design and planning criteria</li><li>2. Evaluate the existing water distribution system using computer hydraulic modeling</li><li>3. Perform a demand analysis and review supply capacity</li><li>4. Perform a system-wide storage analysis</li><li>5. Review existing system and propose improvements to enhance system reliability</li><li>6. Recommend improvements needed to service anticipated future growth</li><li>7. Develop a Capital Improvement Program for build-out conditions that will be used by the City in the determination of Development Impact Fees</li></ol>
21 City of Livingston - WWCS Master Plan	<ol style="list-style-type: none"><li>1. Establish wastewater collection system design and planning criteria</li><li>2. Review temporary flow monitoring program and data performed by another consultant</li><li>3. Evaluate the capacity of the existing wastewater collection system using computer hydraulic modeling</li><li>4. Review existing system and propose improvements to enhance system reliability</li><li>5. Recommend improvements needed to service anticipated future growth</li><li>6. Develop a Capital Improvement Program for buildout conditions that will be used by the City in the Determination of Development Impact Fees</li></ol>

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	Document Name	Goals and / or Objectives
22	City of Livingston - Parks Master Plan	<ol style="list-style-type: none"><li>1. Identify and evaluate existing park and recreation areas</li><li>2. Assesses the need for additional park land, open space and recreation facilities</li><li>3. Establish criteria and standards for site selection, design and management</li><li>4. Recommend an approach to financing and implementation</li><li>5. Provide an overall approach to the park system</li></ol>
23	Plana CSD - Monthly Water Flow Data	N/A
24	Winton WSD - CCR, 2009	N/A
25	City of Livingston- Traffic Circulation Master Plan	<ol style="list-style-type: none"><li>1. Confirm the nature of circulation system improvements needed</li><li>2. Identify the probable cost of these improvements</li><li>3. Project the share of costs that will need to be borne by new development on a per residential dwelling or per commercial square footage basis</li></ol>