

April 2, 2012

## MAC Plan Update Policies, Goals, Objectives, and Performance Measures

**Note: Edits in track function reflect March 21 discussion through Policy 2, 1<sup>st</sup> Goal, Objective 4 on water demands. Edits made to items after that were based on RPC input received previously including additional comments received just prior to last meeting. Items highlighted in yellow are either to be revisited or are recommended to focus on at the April 16 meeting.**

### Definitions

Policies: Overall regional commitments

Goals: Intended outcomes

Objectives: Actions to achieve goals

Performance Measures: To track progress in meeting goals and objectives

### Draft Policies, Goals, Objectives, Performance Measures

#### POLICY 1: MAINTAIN AND IMPROVE WATER QUALITY

##### P1 Goal: Reduce sources of contaminants

##### Objectives

1. Reduce abandoned mine flows and sediments

**Performance Measure:** Number of mines known to cause water quality issues for which remedial actions are implemented. Abandoned mines are defined as those in the Office of Mine Reclamation database plus other locally known mines.

**Monitoring / Reporting Agency:** US Forest Service (USFS), Bureau of Land Management (BLM), California Department of Conservation, CA Department of Toxic Substances Control

2. Reduce leakage from septic systems

**Performance Measures:** Number of ~~failed-problem~~ septic systems identified, ~~corrected,~~ and/or eliminated

Performance Measure: Number of problem septic systems corrected

Performance Measure: Number of problem septic systems eliminated

**Monitoring / Reporting Agency:** County Environmental Health

3. Increase bulky waste pickup programs, avoid illegal dumping, and increase collection of illegally dumped trash

**Performance Measures:** Number of new bulky waste pickup dates; estimated tons of illegal waste picked up; number of campaigns or other measures undertaken to stop illegal dumping.

**Monitoring / Reporting Agency:** BLM, USFS, County Solid Waste Management Departments, Sierra Pacific Industries, PG&E

4. Provide toilets at informal recreation sites Identify informal recreation and camping sites with recurring waste issues and initiate remedial actions

**Performance Measures:** Number of new remote toilets installed at informal recreation sites-Number of identified problem sites; and number of identified sites for which remedial actions are initiated.

**Monitoring / Reporting Agency:** US Forest Service, BLM, Counties, EBMUD

5. Manage fire fuels to reduce wildfire impacts

**Performance Measure:** Number of acres on which fire fuel reduction measures are implemented

**Monitoring / Reporting Agency:** US Forest Service; CAL FIRE, Sierra Pacific Industries, Amador-Calaveras Consensus Group, Amador Fire Safe Council, Calaveras Foothills Fire Safe Council

6. Increase public awareness of how contaminated water resources affect quality of life and public health

**Performance Measure:** Number of school classrooms, articles in local newspapers and water agency newsletters, and other programs that receive water quality-related curriculum.

**Monitoring / Reporting Agency:** CSRCD; UMRWA , CAMRWA, AWA, CCWD

7. Track increase of small county-monitored water systems

**Performance Measure:** Number of small water supply systems monitored annually by the counties

**Monitoring / Reporting Agency:** County Environmental Health Departments

**P1 Goal: Manage stormwater flows and transport of sediments and contaminants**

## Objectives

1. Reduce ~~peak~~ stormwater runoff from peak storm events ~~flows to minimize runoff~~

**Performance Measures:** Number of local jurisdictions adopting low impact design (LID) measures; and number of public education actions taken to encourage the reduction of ~~reduce~~ stormwater flow-runoff (e.g., newspaper articles, water agency newsletters, NGO newsletters).

**Monitoring / Reporting Agency:** City and county land use agencies, AWA, CCWD, JVID

2. Promote development of community-based flood protection strategies

**Performance Measures:** Number of acres affected by adopted protection strategies; presence of floodplain development avoidance measures in city and county general plans

**Monitoring / Reporting Agency:** City and county land use agencies

3. Reduce water quality impacts from vehicle uses and road maintenance practices

**Performance Measures:** Number of public works agencies implementing road design and maintenance BMPs; actions to address water quality impacts of concentrated OHV sites

**Monitoring / Reporting Agency:** CalTrans; County PW Departments; U.S. Forest Service, BLM

4. Minimize water quality impacts from livestock grazing

**Performance Measures:** Number of grazing permits requiring off-stream watering; livestock management actions taken to prevent meadow compaction, overgrazing, etc.

**Monitoring / Reporting Agency:** BLM, EBMUD, US Forest Service, Cattlemen's Association

## **POLICY 2: IMPROVE WATER SUPPLY RELIABILITY AND ENSURE LONG-TERM BALANCE OF SUPPLY AND DEMAND**

### **P2 Goal: Ensure sufficient firm yield water supply**

#### **Objectives**

1. Promote comprehensive water supply planning including climate change

**Performance Measure:** Number of local water supply plans that consider climate change and incorporate best available climate science into their planning process

**Monitoring / Reporting Agency:** AWA, CCWD, CPUD, JVID, EBMUD

~~2. Timely implementation of identified water supply enhancement projects~~

~~**Performance Measure:** Number of environmentally, socially, and economically sustainable scheduled water supply enhancement projects initiated and/or number of agencies that have such projects in long-range plans.~~

~~**Monitoring / Reporting Agency:** AWA, CCWD, CPUD, JVID, EBMUD~~

3.2. Encourage diverse water supply portfolios to meet agency demands

**Performance Measure:** Number of water agency plans which consider multiple supplies and conjunctive use operations

**Monitoring / Reporting Agency:** AWA, CCWD, CPUD, JVID, EBMUD

4.3. Plan and develop water supply projects that optimize water right entitlements and county of origin protections

**Performance Measure:** Number of supply projects in planning that optimize entitlements and protections

**Monitoring / Reporting Agency:** AWA, CCWD, CPUD, JVID, EBMUD

**Note:** The new objective #4 below was discussed at the RPC meeting #6 with edits recommended. However, this objective will be revisited at the April meeting. Edits for the policies, goals, objectives, and performance measures after this item reflect comments provided prior to meeting #6 plus the inclusion of TI comments.

5.4. Ensure that demand projections are supportable and realistic

**Performance Measure:** Number of water demand projections that use the best available land use, ~~Department of Finance and other historical and projected~~ demographic, and other data

~~as well as water cost sensitivity analyses, to determine demand~~

**Monitoring/Reporting Agency:** Cities, counties, and water purveyors

6.5. Balance long-term regional supply and demand

**Performance Measure:** Number of water plans that incorporate demand management and water reuse

**Monitoring/Reporting Agency:** water purveyors

Discussion: This is a new objective recommended by Foothill Conservancy. Performance measure edited to be able to monitor. It is somewhat redundant with objectives identified under P2 Goal on water use efficiencies.

## **P2 Goal: Maintain and improve water infrastructure reliability**

### **Objectives**

1. Implement leak detection and repair and replacement programs

**Performance Measure:** Number of water agencies with established leak detection and repair programs

**Monitoring / Reporting Agency:** AWA, CCWD, CPUD, JVID, EBMUD

2. Develop regional water treatment and transmission projects

**Performance Measure:** Number of regional treatment and transmission projects constructed

**Monitoring / Reporting Agency:** AWA, CCWD, CPUD, JVID, EBMUD

3. Construct water system interties where appropriate

**Performance Measure:** Number of interties between agencies constructed

**Monitoring / Reporting Agency:** AWA, CCWD, CPUD, JVID, EBMUD

## **P2 Goal: Promote water conservation, recycling, and reuse for urban and agricultural uses**

### **Objectives**

1. Establish and implement water conservation and efficiency programs based on best management practices

**Performance Measures:** Number of California Urban Water Conservation Council (CUWCC) water agencies with BMP-based water conservation programs measures being implemented by water agencies and reduction in gallons per capita per day water use per SB 7x7, all specified in required UWMP; and number of acres of flood or spray irrigation lands converted to drip irrigation.

**Monitoring / Reporting Agency:** AWA, CCWD, CPUD, JVID, EBMUD, County ag departments

**Edits Made:** Performance measure expanded to specify urban measurements already required by UWMP and to add agricultural measure

2. Maximize use of recycled water from wastewater treatment plants

**Performance Measures:** Number of wastewater treatment plants producing and delivering recycled water; number of programs to increase use of recycled water; and percentage of wastewater reclaimed

**Monitoring / Reporting Agency:** AWA, CCWD, ARSA, EBMUD

### 3. Reduce demand through water-neutral development

**Performance Measures:** Number of new water-neutral commercial, industrial, or residential development projects; number of land use agencies that adopt water neutral development ordinances

**Monitoring/Reporting Agency:** County and city land use agencies

**Discussion:** This is a new objective recommended by Foothill Conservancy. Deleted reference to water purveyors as monitoring agency since they do not control land use.

## **P2 Goal: Develop appropriate drought mitigation measures**

### **Objective**

1. Promote preparation and adoption of drought contingency plans

**Performance Measure:** Number of water agencies with adopted drought contingency plans

**Monitoring / Reporting Agency:** AWA, CCWD, CPUD, JVID, EBMUD

## **POLICY 3: PRACTICE RESOURCE STEWARDSHIP**

### **P3 Goal: ~~Identify opportunities to Protect,~~ conserve, enhance, and restore the region's natural resources**

### **Objectives**

1. Integrate natural resource conservation into water resource planning ~~and implementation~~ projects and programs

**Performance Measure:** Number of agencies with policies requiring incorporation of principles and standards for consideration of resource conservation in project planning; number of projects that have implemented an optional natural resource conservation component. and implementation

**Monitoring / Reporting Agency:** Cities, Counties, AWA, CCWD, CPUD, JVID, EBMUD

Edits Not Made: Suggested edit to change objective so resource conservation is the primary goal was not made.

- Promote water resource projects ~~which-that~~ achieve an equitable balance between conflicting interests while minimizing harm to natural resources and incorporating natural resource protection, mitigation, and restoration

**Performance Measure:** Number of projects with broad-based community support

**Monitoring / Reporting Agency:** AWA, CCWD, CPUD, JVID, EBMUD, cities and counties, community organizations

Edits Not Made: Did not include suggested text for performance measure “projects with no significant, unmitigatable environmental impacts; number of projects with full mitigation for all identified significant natural resource impacts; number of restoration projects associated with water resource projects”. Did not include “Number of projects without significant opposition.”

Discussion: It was noted that broad based community support does not necessarily equal resource conservation.

- Identify opportunities to protect, enhance, or restore aquatic and terrestrial habitats in the Mokelumne and Calaveras river watersheds ~~s habitats~~

**Performance Measure:** Number of projects and/or programs identified that~~which~~ target habitat improvements in ~~identified~~ Mokelumne and Calaveras river watersheds

**Monitoring / Reporting Agency:** Cities, counties, AWA, CCWD, CPUD, JVID, EBMUD

**Edit Not Made: Suggested addition to performance measure:** “progress report on one such effort annually”

**P3 Goal:** ~~Minimize adverse effects on biological and cultural resources~~ Maintain or improve watershed ecosystem health and function

### Objective

- Avoid, minimize, ~~or-and~~ mitigate adverse effects on or improve or restore watershed and ecological processes, systems, structures, and resources ~~biological and cultural resources~~ when implementing projects

**Performance Measures:** Number of projects ~~which-that~~ avoid, minimize, or mitigate adverse impacts; number of projects that improve or restore watershed ecosystem function

**Monitoring / Reporting Agency:** Cities, Counties, AWA, CCWD, CPUD, JVID, EBMUD, U.S. Forest Service, BLM

**P3 Goal: Minimize adverse effects on cultural resources**

**Objective**

1. Avoid, minimize, or mitigate adverse effects on cultural resources when implementing projects

**Performance Measure:** Number of projects which avoid, minimize, or mitigate adverse cultural resource impacts

**Monitoring / Reporting Agency:** Cities, counties, AWA, CCWD, CPUD, JVID, EBMUD

**Discussion:** This new goal reflects the suggestion to separate cultural resources from resource stewardship, recommended by Foothill Conservancy.

**P3 Goal: Identify opportunities for public access, open spaces, ~~trails~~, and other appropriate recreational benefits and avoid harm to existing or planned recreational uses**

**Objective**

1. Promote inclusion of public access, non-motorized trails, open space, and other suitable and feasible recreational features in new and existing water resource projects and associated lands while avoiding harm to existing or planned recreational uses

**Performance Measure:** Number of projects which include feasible open space and recreational features

**Monitoring / Reporting Agency:** Cities, counties, AWA, CCWD, CPUD, JVID, EBMUD, Calaveras Parks and Recreation Commission, Amador County Recreation Agency, California Department of Boating and Waterways, Coast to Crest Trail Council

**Policy 4: FOCUS ON AREAS OF COMMON GROUND AND AVOID PROLONGED CONFLICT**

**P4 Goal: Prioritize and implement projects that have the broadest community support and the best likelihood of being completed in the planning horizon**

**Objective**

1. Identify high risk, high controversy projects and defer their implementation until common ground solutions can be developed

**Performance Measures:** Number of water plans that evaluate the level of local community and interest group acceptance for specific projects; number of water agencies that include broad-based, diverse community advisory councils in their water planning processes

**Monitoring/Reporting Agency:** water purveyors, resource agencies



Discussion: This is a new policy recommended by Foothill Conservancy.