

March 7, 2012

Discussion on MAC Plan Update Policies, Goals, Objectives, and Performance Measures

NOTE: Items for discussion are marked in BLUE font.

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

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 septic systems identified, corrected, and/ or 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

4. Provide toilets at informal recreation sites

Performance Measure: Number of new remote toilets installed at informal recreation sites

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

Edits Made: Removed references to solid waste disposal.

Comment Provided: Public agencies are no longer providing trash receptacles because they find they actually increase illegal trash dumping.

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

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

Objectives

1. Reduce peak stormwater flows to minimize runoff

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

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

Edits Made: Added public education to performance measures.

Comment Provided: Suggestion made to add the contributions of dams to performance measures

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

Edits Made: Added floodplain avoidance measure in performance measures

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

Edits Made: added water quality to objective and added performance measures to account for additional wq impacts

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

Edits Made: Added 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

Edits Made: added best available climate science to performance measure

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

Edits Made: Changed objective to read implementation of for grammar clarification. Added environmentally, socially, and economically sustainable, and and/or number of agencies with such projects.

Discussion: Determining different types of sustainability of projects is difficult to measure.

3. 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. 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

5. Ensure that demand projections are supportable and realistic

Performance Measure: Number of water demand projections that use Department of Finance and other historical and projected demographic data, as well as water cost sensitivity analyses, to determine demand

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

Discussion: This is a new objective recommended by Foothill Conservancy. However, using DOF countywide and population-only demographic data instead of general plan land use data that reflects local interests and environmental compliance requirements, does not allow us to measure supportable and realistic demand projections. Using water cost sensitivity analyses is just one detail the goes into demand projections.

6. 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 use efficiencies through 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) BMP-based water conservation measures being implemented by water agencies and reduction in gallons per capita per day water use per SB7x-7, all specified in required Urban Water Management Plans; 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; and number of programs to increase use of recycled water

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 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: Protect, conserve, enhance, and restore the region's natural resources

Objectives

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

Performance Measure: Number of agencies with policies requiring incorporation of principles and standards for resource conservation in project and program planning

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

Edits Made: performance measure expanded to include incorporating principles and standards. Suggested edit to change objective so resource conservation is the primary goal was not made.

2. Promote water resource projects 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

Edits Made: Objective expanded on to include minimizing harm and incorporating resource protection etc.

Discussion: 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.

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

3. Identify opportunities to protect, enhance, or restore aquatic and terrestrial habitats in the Mokelumne and Calaveras river watersheds

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

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

P3 Goal: Maintain or improve watershed ecosystem health and function

Objective

1. Avoid, minimize, or mitigate adverse effects on or improve or restore watershed and ecological processes, systems, structures, and resources when implementing projects

Performance Measures: Number of projects 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, US 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, 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.