

February 8, 2012 RPC Meeting Number 5

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

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. Control abandoned mine flows and sediments

Performance Measure: Number of mines for which remedial actions are implemented

Monitoring / Reporting Agency: US Forest Service?

2. Reduce leakage from septic systems

Performance Measure: Number of failed septic systems corrected or eliminated

Monitoring / Reporting Agency: County Environmental Health?

3. Increase bulky waste pickup programs and collection of illegally dumped trash

Performance Measure: Number of new bulky waste pickup dates; estimated tons of illegal waste picked up

Monitoring / Reporting Agency: ???

4. Provide toilets and trash receptacles at informal recreation sites

Performance Measure: Number of new remote toilets/trash receptacles installed

Monitoring / Reporting Agency: ???

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 ?

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

Performance Measure: Number of school classrooms which receive water quality-related curriculum

Monitoring / Reporting Agency: CSRCD; UMRWA ?

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

Objectives

1. Reduce peak stormwater flows to minimize runoff

Performance Measure: Number of local jurisdictions adopting low impact design (LID) measures

Monitoring / Reporting Agency: Local land use agencies (Cities and Counties)?

2. Promote development of community-based flood protection strategies

Performance Measure: Number of acres affected by adopted protection strategies

Monitoring / Reporting Agency: ??

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

Performance Measure: Number of public works agencies implementing road design and maintenance BMPs

Monitoring / Reporting Agency: Cal Trans; County PW Departments?

4. Minimize impacts from livestock grazing

Performance Measure: Number of grazing permits requiring off-stream watering

Monitoring / Reporting Agency: ??

POLICY 2: IMPROVE WATER SUPPLY RELIABILITY

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
Monitoring / Reporting Agency: AWA, CCWD, CPUD, JVID, EBMUD ?
2. Timely implement identified water supply enhancement projects
Performance Measure: Number of scheduled water supply enhancement projects initiated
Monitoring / Reporting Agency: AWA, CCWD, CPUD, JVID, EBMUD ?
3. Encourage diverse water supply portfolios with conjunctive use options that sufficiently meet agency demands
Performance Measure: Number of water agency plans which consider multiple supplies and conjunctive use operations AWA, CCWD, CPUD, JVID, EBMUD ?
Monitoring / Reporting Agency:
4. Plan and develop water supply projects which 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 ?

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 programs based on best management practices

Performance Measure: Number of water agencies with BMP-based water conservation programs

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

2. Maximize use of recycled water from wastewater treatment plants

Performance Measure: Number of wastewater treatment plants producing and delivering recycled water

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

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 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 consideration of resource conservation in project planning and implementation

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

2. Promote water resource projects which achieve an equitable balance between conflicting interests

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

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

3. Identify opportunities to protect, enhance, or restore Mokelumne and Calaveras river watershed habitats

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

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

P3 Goal: Minimize adverse effects on biological and cultural resources

Objective

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

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

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

P3 Goal: Identify opportunities for public access, open spaces, trails, and other recreational benefits

Objective

1. Promote inclusion of public access, trails, open space and other suitable and feasible recreational features in water resource projects

Performance Measure: Number of projects which include open space and/or recreational features

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

Monitoring / Reporting Agency: Evaluation Criteria

1. Maximize Economic Feasibility

High = Lowest capital and O&M costs, with highest level of benefits or avoided costs

Medium = Moderate capital and O&M costs, with moderate level of benefits or avoided costs

Low = High capital and O&M costs, with low level of benefits or avoided costs

2. Address MAC Plan Update Goals

High = Address 5 or more goals

Medium = Address 2 to 4 goals

Low = Address 1 goal

3. Integrate with State RMSs

High = Incorporate 6 or more RMSs

Medium = Incorporate 3 to 5 RMSs

Low = Incorporate 2 RMSs

4. Provide Multi-agency/Entity Benefits

High = Benefit 3 or more agencies/entities

Medium = Benefit 2 agencies/entities

Low = Benefit 1 agency/entity

5. Maximize DAC and Native American Benefits and Minimize EJ Impacts

High = Provide targeted benefits to one or more DAC or NA community; does not have EJ impacts

Medium = Incidentally benefits a DAC or NA community; may have EJ impacts

Low = Provide no DAC or Native American benefits; may have environmental justice impacts

6. Ensure Technical Feasibility

High = Ample technical knowledge and supporting data to uphold claimed benefits/value

Medium = Adequate technical knowledge and supporting data to defend claimed benefits/values although some gaps may exist

Low = Insufficient technical knowledge or supporting data to sustain claimed benefits/values

7. Encourage Climate Change Adaptation or Mitigation Benefit

High = Adaptation and/or mitigation benefits have been demonstrated

Medium = Adaptation and/or mitigation benefits are likely

Low = Climate change adaption and/or mitigation benefits are unlikely