

Revised Tahoe-Sierra IRWM Update Plan Objectives

Revised 9/12/13

The five objectives of the Tahoe Sierra Plan Update are: 1) Protect and improve water quality, 2) Protect the community water supply and treatment/delivery systems, 3) Manage groundwater for sustainable yield, 4) Contribute to ecosystem restoration, and 5) Implement integrated watershed management throughout the region.

Objective 1. Protect and Improve Water Quality:

WQ1 Meet approved TMDL standards in accordance with the attainment date, and participate in the development of future TMDLs.

- Annually review number of projects started or completed that contribute to meeting TMDLs (quantitative)
- Summarize number of meetings or contacts made in development of future TMDLs (quantitative) annually

WQ2 Reduce pollutant loads to meet Water Quality Objectives (WQOs) for receiving water bodies established in the Basin Plan within the planning horizon.

- Annually track projects that are evaluating pollutant load reduction and receiving water standards (quantitative).
- Number of projects started or completed that contribute to meeting WQOs (quantitative)
- Summarize pollutant load reductions for those projects with estimates (quantitative)

WQ3 Implement water quality monitoring programs through planning horizon, and coordinate annually throughout the Region.

- Summarize whether monitoring was conducted, where it was conducted, where it was reported, and purpose of monitoring (qualitative/quantitative)

WQ4 Ensure that drinking water supplied by public water systems continues to meet Federal and State standards.

- Number of water systems that met State and Federal standards (quantitative)

WQ5 Restore degraded streams, wetlands, riparian and upland areas to re-establish natural water filtering processes.

- Report number of projects that contribute to restoration of streams, wetlands and riparian areas (quantitative)

Objective 2. Protect the Community Water Supply and Treatment/Delivery Systems:

WS1 Provide water supply to meet projected demands for a 20-year planning horizon.

- Compare current and projected supply vs. demand (quantitative)

WS2 Operate and maintain, build, or replace infrastructure to reliably supply water.

- Number of infrastructure failures per year (quantitative)
- Number of projects or length of pipeline rehabilitated/constructed (quantitative)

WS3 Implement and promote water conservation measures and practices to meet state goals.

- What measures and practices were implemented (qualitative)
- Number of conservation measures implemented (quantitative)
- Number of water meters installed (quantitative)
- Percentage of unmetered connections out of all public water system connections (quantitative)

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Objective 3. Manage Groundwater for Sustainable Yield:

GWM1 Maintain and monitor groundwater supply to assure future reliability.

- Monitoring efforts reported per groundwater management plans (qualitative)
- CASGEM monitoring done and reported (qualitative)
- Groundwater management/protection plans developed/updated and implemented (qualitative)

GWM2 Promote groundwater protection activities for high quality groundwater, and advocate for improvements to impacted groundwater quality through public education.

- Public education efforts conducted (qualitative)
- Groundwater management plans developed/updated and implemented (qualitative)

GWM3 Manage groundwater for multiple uses (e.g. municipal/industrial/agricultural supply and environmental use).

- Groundwater management plans developed/updated and implemented (qualitative)
- Identify and monitor areas where groundwater extraction may be impacting environmental uses

Objective 4. Contribute to Ecosystem Restoration:

ER1 Enhance and restore water bodies, wetlands, riparian areas and associated uplands to support healthy watersheds, viable native fish, wildlife and plant habitats.

- Regularly update areas of identified degraded water bodies, wetlands, riparian areas and associated uplands for restoration or enhancement focus. (quantitative)
- Number of meetings held related to identifying locations for future projects, and revising project lists (quantitative)
- Number of projects that contribute to restoration of water bodies, wetlands, riparian and upland areas restored or enhanced (quantitative)

ER2 Develop and implement programs to prevent the spread of existing invasive species and colonization of potential future invasive species.

- Number of projects addressing invasive species; including number of collaborative projects (quantitative)

ER3 Implement, in coordination with public and private landowners, activities to manage forest health and wildfire risks.

- Number of acres addressing forest health (quantitative)
- Acres of forest management by projects (quantitative)
- Education/Outreach activities regarding defensible space (qualitative)

ER4 Minimize ecosystem impacts caused by existing and new development.

- Number of new/redevelopment projects that meet or exceed requirements to implement infiltration and other water quality activities to restore natural hydrology (quantitative)
- Disturbance avoided by/during project implementation (qualitative)

Objective 5. Implement Integrated Watershed Management Throughout the Region:

IWM1 Conduct local and regional water-related planning activities within the planning horizon as supported by current and future watershed science.

- Use of integrated regional water management process to share science and lessons learned (qualitative)

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IWM2 Ensure collaboration among multiple jurisdictions within the Region for information exchange.

- Number of meetings within the Region (quantitative)
- Number of collaborative projects within the Region (quantitative)

IWM3 Increase public education and awareness of watershed functions, protection and restoration needs to encourage stewardship by the public.

- Number of educational programs conducted (quantitative)

IWM4 Promote activities that reduce flood risk.

- Number of stormwater mitigation/flood protection projects (quantitative)

IWM5 Address climate change (e.g. water quality, water supply, groundwater recharge, flood management) in local and regional planning efforts and support efforts to continue improving the science.

- Projects/studies/documents that address climate change challenges and/or further the science (qualitative)

IWM6 Monitor water storage, release and exchange activities in order to improve coordination with regional planning.

- Participation in regional water operations planning organizations and number of meetings attended (quantitative)
- Identification of future opportunities for coordination (qualitative)

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