

Inyo-Mono IRWMP Round 1 Project Implementation Application

Attachment 1: Authorization and Eligibility Requirements

Groundwater Management Plan Compliance

The following is a list of the fifteen projects being submitted for funding under the Inyo-Mono IRWM program and the associated positive and/or negative potential impacts (or lack thereof) on groundwater resources.

Project #1: Safe Drinking Water Study for Tecopa, CA

Project Proponent: Amargosa Conservancy

This is a feasibility study only and will not have any impacts on groundwater at this time.

Project #2: Coleville High School Water Project

Project Proponent: Eastern Sierra Unified School District

This project will have no impact on groundwater. The added water storage is only intended for emergency back-up for the school site, and there will be no increased usage.

Project #3: Round Valley Joint Elementary School water supply reliability enhancement

Project Proponent: Round Valley Unified School

This project is intended to solely increase the reliability of the existing water system. No additional water drafting is intended nor anticipated.

Project #4: New Hilltop Well

Project Proponent: Wheeler Crest Community Services District

This project will replace a spring-fed water source. The spring-fed water source feeds into the aquifer that will be used by the new well, so there will be no net gain or loss of groundwater.

Project #5: Well Rehabilitation – Phase I

Project Proponent: Mammoth Community Water District

This project is a study to test the quality of groundwater at various depths within two Mammoth Community Water District wells. Although this project will not directly impact groundwater resources, the results from this study will benefit the District's ability to effectively manage groundwater. The District has a Groundwater Management Plan that was prepared in 2005. This GWMP is provided on CD and in hardcopy.

Project #6: Lone Pine, Independence, and Laws Pump Operation Redundancy and SCADA Improvements

Project Proponent: Inyo County Department of Public Works

The purpose of this project is to increase overall system reliability. This project will have no positive or negative impacts on groundwater.

Project #7: CSA-2 Sewer System Upgrade Project

Project Proponent: Inyo County Department of Public Works

This project will have no direct positive or negative impacts on groundwater. Indirectly, it may improve the quality of surface water infiltrating into the aquifer.

Project #8: Secondary Water Tank Construction – Birchim Community Services District

Project Proponent: Birchim Community Services District

This project is intended to solely increase the reliability of the existing water system. No additional water drafting is intended nor anticipated.

Project #9: Brackish Water Resources Study

Project Proponent: Indian Wells Valley Water District

This project is a feasibility study only and will not have any impacts to groundwater. The results of this study may lead to groundwater impacts. Indian Wells Valley Water District intends to have a groundwater management plan completed by the end of 2011.

Project #10: Lone Pine and Laws Tank Project

Project Proponent: Inyo County Department of Public Works

This project is intended to solely increase the reliability of the existing water system. No additional water drafting is intended nor anticipated.

Project #11: Water Meter Installation – Final Phase

Project Proponent: June Lake Public Utilities District

This project will only increase surface water supply and will have no positive or negative impact on groundwater recharge. Increased surface water supplies may support recharge of groundwater resources.

Project #12: Lone Pine, Independence, and Laws Water Meter Project

Project Proponent: Inyo County Department of Public Works

Properly installed and functioning water meters have been shown to reduce water use. In these three communities, more efficient use of water will result in less groundwater

being removed from the aquifer. Thus, this project will have a positive impact on groundwater resources in these three communities.

Project #13: Wastewater Treatment Plan Upgrades – Phase I

Project Proponent: June Lake Public Utilities District

Groundwater discharge for this project is subject to existing Board Order 6-93-19, Monitoring and Reporting to California Regional Water Quality Control Board, Lahontan Region. (Monitoring and Reporting program 93-19, WDID number 6B260101002, Dated March 11, 1993) Improving wastewater treatment through this project will improve water quality for both surface water and groundwater resources.

Project #14: Inyo/Mono Watersheds Invasive Weed Control Project

Project Proponent: Inyo County

Many invasive plant species found in the region are able to tap into groundwater with long roots. Removing these plants will positively impact groundwater resources.

Project #15: Town of Mammoth Lakes Stormwater Master Plan Development and Implementation

Project Proponent: Town of Mammoth Lakes

The Stormwater Master Plan should lead to improved standards that will increase groundwater recharge through the better use of infiltrator technology and expanded use locally in the community.

The Town has implemented drywell requirements for many years in accordance with the Basin Plan and an MOU with Lahontan Regional Water Quality Board. Casual observations have shown that the benefits vary with location, condition, ownership, and maintenance. Through the use of silt and oily water separator technology there should be a reduction in contamination infiltrated to the groundwater. An evaluation of the existing drywells will be performed and new standards recommended in the Master Plan including maintenance and monitoring requirements.

Unintended consequences of groundwater infiltration from existing dry well use are unknown.