

City of Hesperia

STAFF REPORT



DATE: July 17, 2018

TO: Chair and Board Members, Hesperia Water District

FROM: Nils Bentsen, City Manager

BY: Michael Blay, Assistant City Manager
David R. Burkett, Project Construction Manager

SUBJECT: Adopt Resolution No. HWD 2018-014 - Implementation of and Approval of the Rules and Regulations and Program Guidelines of the City's Recycled Water Program

RECOMMENDED ACTION

It is recommended that the Board of Directors of the Hesperia Water District adopt Resolution No. HWD 2018-014, which shall

1. Implement the Recycled Water Program (RWP) in accordance with the statewide general waste discharge requirements for recycled water (Order WQ 2016-0068-DDW) and consistent with the Victor Valley Wastewater Reclamation Authority (VWWRA) Recycled Water Program (Ordinance No. 006); and
2. Approve of the proposed Rules and Regulations and Program Guidelines for the City's Recycled Water Program

BACKGROUND

The VWWRA has completed construction on the Hesperia Sub-Regional Water Reclamation Plant and is currently proceeding with testing and start-up procedures. The Sub-Regional Plant will be capable of supplying up to one million gallons per day (MGD) of reclaimed water, which can be used for irrigation purposes. In order to utilize this resource, the District must build a distribution system to convey the reclaimed water to potential users. Using the District's Recycled Water Master Plan as a guide, staff has defined an alignment for the first phase of the distribution system. The primary user under this first phase will be the Hesperia Golf Course, but many other users can be served as well, including parks, schools, and the Hesperia Civic Center Complex.

The first phase of the recycled water system includes approximately 10 miles of "purple" distribution pipe, a storage reservoir, and a booster station necessary to provide the required pressures to operate large irrigation systems. This phase was separated into two sub-phases as the distribution system (Phase 1A) was designed in-house by City engineering staff while the 2.5 MG water tank and pump station (Phase 1B) was designed by an engineering consultant.

Phase 1A of the project is currently under construction and is estimated to be completed in late summer of 2018. Phase 1B has recently opened bids and is estimated to commence construction in September 2018 and be completed in December 2019. While the new storage tank and pump station will not be completed until December 2019, staff believes the City will be able to utilize recycled water at the golf course upon completion of the pipeline portion of the

project as there appears to be sufficient difference in elevation to provide the necessary pressures to serve the golf course without the storage tank and pump station.

ISSUES/ANALYSIS

Prior to allowing any customer to connect to the recycled water system and begin utilizing recycled water, the City must adopt rules and regulations and program guidelines that govern the use of recycled water via a resolution. The purpose and intent of the *City of Hesperia Recycled Water Program Rules and Regulations* and the *City of Hesperia Recycled Water Program Guidelines* are to allow the safe use of recycled water in the City's service area by establishing:

- Protection measures for potable water systems
- Procedures for permitting recycled water customers
- Requirements for on-site recycled water systems
- Requirements for operating recycled water systems
- Ensuring compliance with Title 22 of the California Code of Regulations

The effluent from the Hesperia Sub-Regional Water Reclamation Plant, which provides the recycled water supply for the City, will meet the highest Department of Public Health standards for recycled (also referred to as reclaimed) water. These standards and requirements are embodied in Title 22 of the California Code of Regulations (Title 22). In meeting these requirements, the recycled water will be treated to tertiary levels and will include filtration and disinfection.

The State Department of Public Health (DPH) and the Regional Water Quality Control Board (RWQCB) has issued regulations to ensure that recycled water is produced, distributed and used safely. The Rules and Regulations and Program Guidelines for Recycled Water, are designed to ensure that the City's recycled water system is operated in accordance with these state laws and guidelines, as well as the adopted policies and procedures of the City. The City's water operations staff will be responsible for enforcing the regulations adopted by the Board of Directors which are necessary for the administration of the City's recycled water system in accordance with state laws and guidelines. The Board of Directors may amend the regulations as conditions require. Recycled water customers shall be required to comply with the Rules and Regulations and its amendments to maximize the beneficial use of recycled water while complying with Title 22. These Rules and Regulations outline administrative procedures and permit conditions, basic instruction on how to obtain recycled water, and established rules for recycled water customers' on-site systems for distributing and using recycled water.

FISCAL IMPACT

There is no fiscal impact related to adoption of the *City of Hesperia Recycled Water Program Rules and Regulations* and the *City of Hesperia Recycled Water Program Guidelines*. Implementation of the Recycled Water Program will increase operational costs of the City's water department, but these costs will be recovered via the recycled water use fees, which will be determined in the future.

ALTERNATIVE(S)

1. Do not adopt the proposed Rules and Regulations and the Program Guidelines
2. Provide alternative direction to staff

ATTACHMENT(S)

1. Resolution No. HWD 2018-014
2. City of Hesperia Recycled Water Program Guidelines, Rules and Regulations