



Legislation Text

File #: ID 14-0814, **Version:** 1

Resolution Approving EnviroCare International Wet Scrubbing Emission Control System with Integrated Mercury Removal Modules for the T.Z. Osborne Water Reclamation Facility

Department: Water Resources
Council District: 2

Public Hearing: N/A
Advertising Date/By: N/A

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PURPOSE:

Water Resources requests approval to sole source the purchase of a wet scrubbing emission control system for sulfur dioxide and mercury removal from EnviroCare International located in American Canyon, California. City Council approval is required to sole source a purchase under State Public Contracting Statute GS 143-129 (e)(6) which allows exceptions to the letting of public contracts for the purchase of apparatus, supplies, materials or equipment when standardization or compatibility is the overriding consideration. In this particular case the sole source option was chosen because this system utilizes technology that is readily compatible with the existing incinerator unit process and has been demonstrated to meet the new Environmental Protection Agency (EPA) emission limits for both Sulfur Dioxide (SO₂) and Mercury (Hg).

BACKGROUND:

In 2011, the EPA finalized new source performance standards and emission guidelines for new and existing Sewage Sludge Incinerator (SSI) units located at publicly owned wastewater treatment works. These standards are based on Maximum Available Control Technology (MACT) provisions of the Clean Air Act Section 129, subjecting SSIs to more stringent air emission requirements. The regulations, as currently set forth, set a time limit of March 21, 2016 for demonstrating emissions compliance. For purposes of applying the rule both SSIs at the TZ Osborne facility are classified as "existing" units and therefore subject to less restrictive emission limits.

In order to meet the new SSI emission limits using technology with a proven ability in the SSI industry to reduce both Sulfur Dioxide (SO₂) and Mercury (Hg) below the new regulatory limits, Water Resources Department recommends that the wet scrubber with integrated mercury capture system by EnviroCare International be sole sourced.

The City has received a quote for the wet scrubbing system from EnviroCare International for \$342,475. The City's design engineer has reviewed the quote to ensure the quoted system is compatible with the existing SSIs, meets the required performance specifications, and is quoted at a fair and reasonable cost.

BUDGET IMPACT:

Funds are budgeted in the following Water Resources Capital Improvements Fund account: 503-7024-06.6019. A budget adjustment is needed to use this account.

RECOMMENDATION / ACTION REQUESTED:

The Water Resources Department recommends and requests that City Council approve the sole source purchase of a wet scrubbing emission control system from EnviroCare International in the amount of \$342,475 and the associated budget adjustment.