

CITY COUNCIL

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APPROVED

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DENIED

Reso No. _____

File No. _____

Ord No. _____

Agenda Item No.: 20

Date: December 7, 2011

TO: Honorable Mayor and Members of the City Council

FROM: Christopher W. McKinney, Director of Utilities

SUBJECT: Indirect/direct Potable Reuse Program Implementation Study Program Manager

RECOMMENDATION:

The Utilities Department requests that the City Council adopt Resolution No. 2011-152 authorizing issue of a Request For Proposals for a Program Manager consultant for the Indirect/Direct Potable Reuse Program Implementation Study.

FISCAL ANALYSIS:

At this time there is no fiscal impact. After selection of a consultant, staff will return to the City Council with full fiscal details of a proposed contract and a request to award that contract. Funds are available in the Wastewater Fund.

PREVIOUS ACTION:

At the regular City Council meeting on February 16, 2011, the Council approved the conceptual plan developed by the Utilities Department to address wastewater capacity issues and to help ensure water reliability.

BACKGROUND:

The selection of a consultant as the Program Manager for the Indirect/Direct Potable Reuse Program Implementation Study is the next step in the process to address wastewater capacity issues and to help ensure water reliability for Escondido. The Hale Avenue Resource Recovery Facility (HARRF) is approaching 75% of its permitted capacity. National Pollutant Discharge Elimination System (NPDES) permits require submission of a report and a plan of action to the Regional Water Quality Control Board (RWQCB) when the average flows reach 75% of capacity. Plans must be developed quickly to design and build facilities to guarantee sufficient future capacity. Also, water supply reliability and quality remain significant concerns for Escondido and all of Southern California. Imported water rates continue to rise and imported water availability is subject to political and agency influences outside the City's control.

The Program Manager will work with staff to identify incremental projects required to achieve an optimal long term plan to insure continued regulatory compliance. As the intended contract will be a task order based contract, the City Council will be asked to authorize intermediate tasks and to approve progressive projects as the program continues. The Program Manager will also help to identify potential funding, to identify grant opportunities, to monitor evolving regulatory and institutional requirements, to evaluate evolving technologies, and to generate alternatives for a system wide approach. The Program manager will also evaluate siting and space requirements for future required facilities.

The Utilities staff has already developed a conceptual plan that will address both the wastewater capacity issues and also help ensure reliability of our water supply.

Key Elements of the Proposed Plan:

Short Term:

- Increase use of recycled water for industrial/irrigation purposes to effectively reduce the discharge to the ocean through the outfalls.
- Work with Agriculture to provide a recycled water product that is viable for their purposes.
- Bring recycled water irrigation to more schools and parks.
- Continue to look for new opportunities for recycled water use.

Current Short Term Status:

- Staff continues to work with Agriculture to extend recycled pipelines into new areas.
- A design consultant is under contract to extend a recycled water pipeline easterly along Escondido Creek from Grape Day Park towards Eagle Crest, approximately 6 miles.

Long Term:

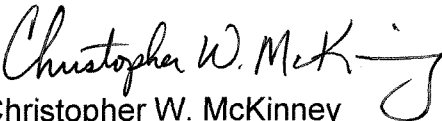
- Work toward 100% reuse of wastewater.
- Expand the backbone of purple pipe for large water users to provide a source of water that is reliable and somewhat less expensive than imported water.
- Obtain approval for indirect/direct potable reuse (IPR/DPR) of recycled water, similar to ongoing efforts by the City of San Diego.
- Reduce flow in the outfall and generate revenue by using the pipeline as a regional brine line.
- Retain wet weather discharge permit.

Benefits of this approach:

- Less costly than upsizing outfalls.
- Provides for more water within the community.
- Keeps water within the community rather than discharging to the ocean.
- Diversifies our water supply.

- Cheaper than desalination.
- Provides for a higher quality drinking water.
- Helps our community reach goals of the state's 20/20 plan, mandating a 20% reduction in water use by the year 2020.
- Reduces carbon footprint by reducing pumping of imported water.
- Significant benefit to Escondido's Agricultural businesses by providing a less expensive water supply.
- Abundance of grant funding for this approach.

Respectfully submitted,


Christopher W. McKinney
Director of Utilities

RESOLUTION NO. 2011-152

A RESOLUTION OF THE CITY COUNCIL OF
THE CITY OF ESCONDIDO, CALIFORNIA,
AUTHORIZING THE DIRECTOR OF
UTILITIES TO ISSUE A REQUEST FOR
PROPOSAL FOR THE INDIRECT/DIRECT
POTABLE REUSE PROGRAM
IMPLEMENTATION STUDY PROGRAM
MANAGER

WHEREAS, the Escondido City Council on February 16, 2011 approved the conceptual plan developed by the Utilities Department to address wastewater capacity issues and to help to ensure water reliability; and

WHEREAS, the Director of Utilities has determined that an Indirect/Direct Potable Reuse Program Implementation Study is the best way to address wastewater capacity and to help to ensure water reliability; and

WHEREAS, the Director of Utilities has determined that the most efficient means to complete such a study would be to retain the services of an engineering consultant to serve a Program Manager; and

WHEREAS, this City Council desires at this time and deems it to be in the best public interest to proceed with an Indirect/Direct Potable Reuse Program Implementation Study.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Escondido, California, as follows:

1. That the above recitations are true.
2. That the Mayor and City Council accepts the recommendation of the

Director of Utilities and authorizes the Utilities Department to issue a Request For Proposal to consultants for the Indirect/Direct Potable Reuse Program Implementation Study Program Manager.