



**CITY COUNCIL AGENDA ITEM NO. E.7**  
**11/14/2023**

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**SUBJECT:** Agreement for Civil Engineering Services with Water Works Engineers, LLC for the Biosolids Dryer/Pyrolysis System Project.

**DEPARTMENT:** Public Works

**STAFF:** Casey Wichert, Director of Public Works  
Renee Payette, Project Services Specialist

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### **TITLE/RECOMMENDATION**

Staff recommends the City Council adopt a Resolution approving and authorizing the City Manager or designee to execute an Agreement for Civil Engineering Services ("Agreement"), and necessary documents, including Amendments, with Water Works Engineers, LLC in the amount of \$986,960, plus funding authorization for a 10% contingency of \$98,696, for a total funding authorization not to exceed Agreement amount of \$1,085,656 for the Biosolids Dryer/Pyrolysis System ("Project") as part of the Wastewater Treatment Plant Expansion - Phase II, CIP Project No. 592-59140.

### **FISCAL IMPACT**

The Agreement in the amount of \$986,960, plus a 10% contingency of \$98,696, brings the funding authorization not to exceed amount for these services with Water Works to \$1,085,656. The funds associated with this work are included in the 2023/24-2027/28 Capital Improvement Program ("CIP"). The Project is funded by the Wastewater Replacement Fund, Wastewater Enterprise Fund and Wastewater Development Impact Fees.

Upon construction of the Project, the City will see a decrease in annual operating costs, in an amount estimated at \$100,000 per year, associated with landfill disposal and transportation costs related to biosolids. The City will also see approximately \$1,500 per year of new revenue from the sale of biochar being produced.

### **BACKGROUND**

In February 2023, the City Council approved an agreement to purchase the Project equipment from MISCOWater. This Project is a component of the Wastewater Treatment Plant Expansion – Phase II. Biosolids are a byproduct of the wastewater treatment process, which are currently off-hauled to a landfill for disposal. Changes



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to regulatory requirements (SB1383) no longer allow biosolids to be disposed of in landfills. City staff researched several technologies capable of processing biosolids into a Class "A" product, which can be disposed of in ways other than landfills. Class "A" biosolids may be used as fertilizer and in some cases can be a marketed commodity, rather than being disposed of as a waste product.

This Agreement is for design and technical services ("Services") necessary to integrate the Project into the overall expansion of the Wastewater Treatment Plant. This Project involves surveying, grading, paving, constructing appurtenances, extending the necessary utilities and connecting to the Biosolids Dryer/Pyrolysis System. The Services required for this Project include the development and preparation of plans, specifications, cost estimates, all necessary contract documents, and engineering design services during construction.

Staff prepared a Request for Proposals ("RFP") for engineering design firms for the Project and published it on the City's website on September 14, 2023. The City also advertised the RFP in the local newspaper on September 22, 2023, and received one proposal on October 10, 2023.

Staff from the Public Works and Engineering Departments evaluated the proposal and recommends approval of the Agreement with Water Works for this Project.

### **CITY COUNCIL STRATEGIC INITIATIVE**

Focus Area 1 - Goal 2: Water, Wastewater, and Solid Waste Services: Provide safe and sustainable water, wastewater, and solid waste services for the build-out of the City per the City's General Plan.

### **PREVIOUS ACTION**

Previous Action by the City Council is included on Attachment 1.

### **ENVIRONMENTAL DETERMINATION**

City Council adopted a Mitigated Negative Declaration for the Wastewater Treatment Plant – Phase II on August 9, 2016. A Supplemental Mitigated Negative Declaration, which consists of modifications related to this Project, is on tonight's agenda for City Council's consideration.



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**ATTACHMENT(S)**

1. Previous Action
2. Resolution
3. Agreement for Civil Engineering Services
4. CIP Sheet