



TO: Board of Contracts and Awards

FROM: Michael P. Slevin III, P.E., Director, Environmental Services
Lewis Griffith, P.E., Division Manager, Solid Waste Management

COPY: City Council, City Manager, City Clerk, SBE Coordinator, LEAP Coordinator, Samol Hefley, Senior Buyer, Finance/Purchasing, and Shane Pettit, Assistant Division Manager, Solid Waste Management

SUBJECT: IP Surveillance Wireless Network from Siemens Industry, Inc. via cooperative contract with Sourcewell, Contract No. 031517-SIE – September 18, 2018

DATE: August 14, 2018

RECOMMENDATION SUMMARY:

The Environmental Services Department recommends a contract be awarded to Siemens Industry, Inc., Bellevue, WA, via the cooperative contract with Sourcewell, in the amount of \$496,831, plus applicable taxes, budgeted from the ES Solid Waste Fund 4200, for equipment, delivery, install, and commission of an internet protocol surveillance system at the Recovery and Transfer Center.

STRATEGIC POLICY PRIORITY:

- Encourage and promote an efficient and effective government, which is fiscally sustainable and guided by engaged residents.

The proposal is for upgrade and expansion of an existing video surveillance system at the Recovery and Transfer Center (RTC). New cameras will be high-resolution network internet protocol (IP) cameras. This new system will provide supervisors with mobile access to all cameras, and customers with access to videos of the queue line; and includes a thermal imager camera located at the trailer staging area.

Having access to live high-resolution video will allow supervisors, when off-site or off-hours, to be more efficient and effective when communicating with staff and with general operational oversight. The queue line cameras will let customers see whether the RTC is busy or slow, and allow them plan accordingly. The thermal imager cameras can provide early warning of potential trailer fires so that staff can respond faster to these threats.

BACKGROUND:

The RTC closed-caption television (CCTV) camera system, installed in 2010, only provides coverage of scale houses and the main receiving building. The video from these cameras is poor quality, making investigations into incidents/accidents difficult. No cameras provide coverage of entrances/exits, the queue line, trailer staging, the compressed natural gas fuel station, and other materials processing facilities. An unarmed security guard monitors the 235-acre RTC outside business hours. Limited ability to monitor and travel the entire site have contributed to break-ins, resulting in theft and vandalism.

ISSUE: Installation for new cameras at the queue line, and allowing video access to customers via the internet, will assist our customers to make better decisions on when to deliver waste materials to the RTC. Security cameras with the key monitoring components will broaden the monitored area for investigations of incidents, accidents, and criminal activity. City assets, resources, employees, and visitors will benefit by the remedies and increased awareness to increase safety and protect City assets



and property, minimizing injury risk and site hazards. Retribution and recovery of stolen and/or damaged property efforts increase probability with more visual information captured with increased surveillance.

ALTERNATIVES: One alternative is to upgrade only the existing 16 CCTV cameras at the main receiving building. This alternative does not provide needed video of other portions of the RTC, and may not deter theft and vandalism at those areas.

A second alternative would be to maintain and expand the existing CCTV camera system. This alternative will not provide the high quality video required for effective investigations into incidents.

COMPETITIVE SOLICITATION:

This contract will be awarded as a result of a cooperative purchasing contract with Sourcewell, Contract No. 031517-SIE. Sourcewell is authorized to establish competitively awarded cooperative purchasing contracts on behalf of its member agencies. As a Sourcewell member the City of Tacoma is authorized to utilize Contract No. 031517-SIE for facility security equipment, systems, and services with related equipment and supplies.

CONTRACT HISTORY: New Contract.

SUSTAINABILITY: With its technologies, Siemens Industry, Inc. helps customers to improve energy efficiency and reduce greenhouse gas emission. Siemens Industry, Inc. is a company that leads by example, setting itself the target of becoming a carbon neutral company by 2030.

SBE/LEAP COMPLIANCE: Not Applicable.

FISCAL IMPACT:

EXPENDITURES:

FUND NUMBER & FUND NAME *	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
ES Solid Waste Fund 4200	ENV-00116-05-03	Various	\$496,831
TOTAL			\$496,831

* General Fund: Include Department

REVENUES:

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
ES Solid Waste Fund 4200	512000	Various	\$496,831
TOTAL			\$496,831

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$496,831

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes