



Office of the City Manager

09

RECESS ITEM
CONSENT CALENDAR
April 14, 2020

To: Honorable Mayor and Members of the City Council
From: Dee Williams-Ridley, City Manager
Submitted by: Phillip L. Harrington, Director, Department of Public Works
Subject: Contract No. 31900071 Amendment: Bigbelly Solar Compacting Trash and Recycling Receptacles

RECOMMENDATION

Adopt a Resolution ratifying the action taken by the City Manager during recess to execute an amendment to Contract No. 31900071 for nineteen (19) additional Bigbelly Solar, Inc. manufactured Solar Compacting Trash and Recycling Receptacles for Department of Public Works - Zero Waste Division; increasing the original contract amount by \$162,568.16 for an amended total not-to-exceed amount of \$233,868.16. The contract term remains August 1, 2018 to June 30, 2023.

FISCAL IMPACTS OF RECOMMENDATION

Funding for this program in the contract amendment amount of \$162,568.16 is available in FY2020 budget in Measure D Fund (341) budget code 341-54-627-732-3025-000-431-612990.

For some time, the City and the Downtown Berkeley Association (DBA) have held ongoing discussions regarding the purchase and placement of solar compacting trash and recycling receptacles¹ to replace the City's traditional green litter cans. As a result, the DBA has agreed to reimburse the City for 50% of all costs associated with the purchase of these nineteen (19) Bigbelly solar compacting units, operation and maintenance costs associated with these units.

CURRENT SITUATION AND ITS EFFECTS

On July 18, 2018 by Resolution No. 68,558 - N.S., Council approved the pilot program to purchase and install ten (10) Bigbelly solar compacting trash/litter receptacles with a companion recycling (non-compacting). With the aesthetic value of that initial program proven, the Zero Waste Division is seeking Council approval for the placement of nineteen (19) additional receptacles throughout the Downtown

¹ DBA is an independent nonprofit organization funded by Downtown Berkeley property owners focused on creating a welcoming, vibrant and prosperous City Center

Berkeley commercial area. The authority to purchase these supplemental units was included in the original April 24, 2018 Request for Proposals (RFP) for Solar Compacting Trash and Recycling Receptacles.

Bigbelly's Standard Container Model SC5.5 (Model SC5.5) is a smart, fullness-sensing waste (litter) station that may hold two to three times the capacity of a traditional litter can. It is battery powered and recharge by solar energy and equipped with sensors that monitor and report fullness levels and collection activity to communicate its status in real-time using an integrated software platform. The Model SC5.5 has an enclosed hopper option for total waste containment on the litter compacting side of the unit, which eliminate storm water entering and exiting the unit. It can also services a single stream collection system for mixed paper, bottles & containers for recycling. With the City's commitment to dual stream recycling, the face plate of the recycling side of the unit will only allow recycling of bottles and containers. The units are durable and weather resistant with electronic components that can withstand a temperature range of -40°F to +185°F (-40°C to +85°C). They also offer several safety features including a locked front door accessible to collection and service personnel using a key.

Bigbelly Solar Compacting Trash and Recycling Receptacles with assist a Strategic Plan priority project, advancing the City's goal to be a global leader in addressing climate change, advancing environmental justice, and protecting the environment by providing improved opportunities for general public recycling.

BACKGROUND

On April 24, 2018, the City released an RFP for the purchase, delivery and installation of up to thirty (30) solar compacting trash and recycling receptacle stations. Although the City received responsive proposals from two qualified vendors, staff review of the proposals revealed both companies lacked long-term operating history. Thus, on July 18, 2018, Council approved a pilot program to evaluate ten (10) units in the field, rather than deploying all units approved in the RFP.

ENVIRONMENTAL SUSTAINABILITY

The Bigbelly unit's dual (litter in one separate side and recycling on the other side) litter cans offers the general public expanded opportunity to recycle bottles and containers which will assist the City in achieving a higher diversion rate, and realizing its zero waste and climate action plan goals.

RATIONALE FOR RECOMMENDATION

The City does not have in-house staff available to build and place solar compacting and recycling receptacles. City Staff solicited and selected the most responsive and qualified firms to place these receptacles. The ten (10) unit pilot program in the Shattuck Avenue and Telegraph Avenue commercial corridors is ongoing and has allowed the diversion of additional bottles and containers from the waste stream that would otherwise be landfilled. It has provided information that supports the

placement of up to twenty (20) additional solar compacting and recycling receptacles in Downtown Berkeley area. The Bigbelly units have demonstrated that trash compaction within the receptacle does allow more litter from the general public to be deposited versus the City's traditional green litter cans.

ALTERNATIVE ACTIONS CONSIDERED

None.

CONTACT PERSON

Greg Apa, Solid Waste & Recycling Manager, Department of Public Works, (510) 981-6359

Attachments:

1: Resolution

RESOLUTION NO. ##,### - N.S.

CONTRACT No. 31900071 AMENDMENT: BIGBELLY SOLAR COMPACTING TRASH AND RECYCLING RECEPTACLES

WHEREAS, on April 24, 2018 the City of Berkeley released a Request For Proposals Specification No. 18-11191-C for the purchase, delivery and installation of up to thirty solar compacting trash and recycling receptacle stations; and

WHEREAS, On July 18, 2018 by Resolution No. 68,558 - N.S., Council approved the pilot program to purchase and install ten Bigbelly solar compacting trash/litter receptacles with companion recycling (non-compacting); and

WHEREAS, the pilot program in the Shattuck Avenue and Telegraph Avenue commercial corridors was successful and has provided more opportunities for individual general public recycling; and

WHEREAS, the pilot program provided information supporting the placement of up to twenty additional solar compacting and recycling receptacles in the Downtown Berkeley Association commercial corridor; and

WHEREAS, funding for this equipment in the contract amendment amount of \$162,568.16 is available in FY2020 budget in Measure D Fund (341); and

WHEREAS, through discussions held between the City and the Downtown Berkeley Association (DBA), the DBA has agreed to reimburse the City for 50% of all costs associated with the purchase of these nineteen Bigbelly Solar Compacting units, operation and maintenance costs associated with these units; and

WHEREAS, advancing our goal to be a global leader in addressing climate change, advancing environmental justice, and protecting the environment by, increase the diversion of recyclable materials for the waste streams, and expand opportunities to recycle containers by the general public.

NOW THEREFORE, BE IT RESOLVED by the Council of the City of Berkeley that the Council ratifies the action taken by the City Manager to execute a contract amendment with Bigbelly Solar, Inc. to purchase an additional nineteen solar compacting trash and recycling receptacles, in a total contract amount not to exceed \$233,868.13 for the term August 1, 2018 to June 30, 2023. A record signature copy of said agreement will be on file in the Office of the City Clerk.