



Kate Harrison
Councilmember District 4

CONSENT CALENDAR
November 19, 2019

To: Honorable Mayor and Members of the City Council
From: Councilmembers Harrison and Bartlett
Subject: Budget Referral: BigBelly Trash Receptacles in Ohlone Park

RECOMMENDATION

Refer \$15,000 to the November 2019 Annual Appropriations Ordinance Budget Process to purchase two BigBelly trash receptacles for Ohlone Park.

BACKGROUND

BigBelly trash receptacles are self-powered compacting bins with five times¹ the capacity of traditional garbage bins. This higher capacity reduces the required collection trips, which saves fuel, labor, and maintenance costs. Furthermore, these bins close securely, and so there is no windblown litter, overflow, or access for rodents,² to which other trash receptacles are susceptible.

In January 2019, Berkeley purchased ten BigBelly receptacles, five of which are to be placed in the Downtown and five along Telegraph, as a pilot implementing Resolution 68,558-N.S. Since installing these receptacles in other cities such as Charleston³ and Millbrae,⁴ litter has decreased in both locations. Following the success of this pilot, BigBelly receptacles have the potential to decrease litter and beautify parks that have high volumes of trash, including Ohlone Park.

Ohlone Park stretches over half a mile and thus two bins are more appropriate for trash collection needs than one. The Parks Department and organizations like Friends of Ohlone Park can determine ideal placement for the bins, depending on volume of litter and other factors.

¹ <http://bigbelly.com/platform/>

² *Ibid*

³ <https://www.live5news.com/2019/08/22/you-paid-it-charleston-introduces-bigbelly-trash-cans/>

⁴ <https://patch.com/california/millbrae/city-big-belly-compacting-trash-cans-great-millbrae>

FINANCIAL IMPLICATIONS

About \$7,000 per bin (\$5,000 for trash and \$2,000 for the attached recycling container) plus staff time to purchase and install in the park. Has the potential to reduce staff time in the long run by requiring fewer collection trips.

ENVIRONMENTAL SUSTAINABILITY

Increase Berkeley's diversion rate and contribute to our goal of Zero Waste by 2020. Reduces greenhouse gas emissions by requiring fewer collection trips and maximizing recycling and composting.

CONTACT PERSON

Councilmember Kate Harrison, Council District 4, (510) 981-7140

ATTACHMENTS

1: Item 42, July 24, 2018: "Contract: BigBelly Solar, Inc. for Solar Compacting Trash and Recycling Receptacles Pilot Program"



Office of the City Manager

CONSENT CALENDAR
July 24, 2018

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: Bigbelly Solar, Inc. for Solar Compacting Trash and Recycling Receptacles Pilot Program

RECOMMENDATION

Adopt a Resolution authorizing the City Manager to execute a contract with Bigbelly Solar, Inc. for the Solar Compacting Trash and Recycling Receptacles Pilot Program and any amendments, extensions, or change orders, in an amount not to exceed \$71,300 for the term August 1, 2018 to June 30, 2023.

FISCAL IMPACTS OF RECOMMENDATION

Funding for this Pilot Program (Program) in the amount of \$71,300 is available in FY2019 budget in Zero Waste Fund (820).

The contract has been entered in the contract management system as CMS No. APC78.

CURRENT SITUATION AND ITS EFFECTS

As requested by the City Manager, City Council authorized a Resolution for Request for Proposals (RFP) Specification No. 18-11191-C. The City released the RFP for a Solar Compacting Trash and Recycling Receptacles on April 24, 2018. Staff sought experienced, qualified firms for Solar Compacting Trash and Recycling Receptacles. The City received apparent responsive proposals from two qualified vendors. However, after reviewing the proposals, both companies lacked long-term operating history. Thus, it is necessary to evaluate a limited number of units in the field through a pilot program rather than award the deployment of all of the units specified in the RFP at this time. Therefore, the City is looking to begin a pilot program with an initial placement of ten (10) units with five (5) units in both the Shattuck and Telegraph streets commercial corridor. Bigbelly Solar Inc. has been initially selected due to its ability to manufacture and install these pilot program units more rapidly in the selected commercial corridors. Then, the pilot program will provide the initial installation, testing of these compactors, and the results will assist the City's decision whether to place more units in other commercial corridors.

BACKGROUND

The City and the Downtown Business Association have been involved in ongoing discussions for the placement of solar compacting trash/litter with companion recycling (non-compacting) receptacles. Given the nascent development of these types of units and the lack of operating history, Public Works' staff spent a considerable amount of time to develop an adequate information base to release an RFP that would solicit competitive proposals.

These initial ten (10) units are intended to provide the compaction of the trash within the receptacle to allow more litter to be deposited between service collection times.

ENVIRONMENTAL SUSTAINABILITY

The pilot program will provide the City the information required to develop a Citywide program for the placement of additional solar compacting and recycling receptacles throughout the City's commercial corridors. The pilot program will also allow the City to assess these receptacles ability to meet the City's approved Zero Waste¹ and Climate Action² goals.

RATIONALE FOR RECOMMENDATION

The City does not have the available in-house staff to build and place these types of solar compacting and recycling receptacles. City Staff solicited and selected the most responsive and qualified firms to place these receptacles. The pilot program's initial placement and operation of the receptacles will allow the City to evaluate the effectiveness of this type of unit for a set period of time.

ALTERNATIVE ACTIONS CONSIDERED

None.

CONTACT PERSON

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

Attachment:

1. Resolution

¹ Resolution No. 62,849: <https://bit.ly/2y5ApAd>

² Climate Action Plan: <https://bit.ly/2l6Mmfi>

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

CONTRACT: BIGBELLY SOLAR, INC. FOR SOLAR COMPACTING AND RECYCLING
RECEPTACLES PILOT PROGRAM

WHEREAS, the City of Berkeley's Department of Public Works has need for a company to provide, install and assist in the maintenance of solar compacting trash and recycling receptacles for a pilot program in the Shattuck and Telegraph streets commercial corridor; and

WHEREAS, the City of Berkeley released a Request For Proposals Specification No. 18-11191-C for a RFP for a Solar Compacting Trash and Recycling Receptacles on April 24, 2018; and

WHEREAS, staff is recommending Council authorize the City Manager to award a contract with a firm for Solar Compacting Trash and Recycling Receptacles Pilot Program; and

WHEREAS, funding is available in the Fiscal Year 2019 budget in the Zero Waste Fund (820), and the contract has been entered into the Contract Management System and assigned CMS No. APC78.

NOW THEREFORE, BE IT RESOLVED by the Council of the City of Berkeley that the City Manager is authorized to execute a contract with Bigbelly Solar, Inc., and any amendments, extensions, or change orders, in an amount not to exceed \$71,300 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.

