

Additional Requested Information for Ord. 978-2020

July 27, 2021

1) Roof Conditions for the Proposed On-site Solar Installations

The following facilities have been included for roof mounted installations in the solar RFP scope of work.

- Rec Centers: Hamilton, Sterling, Gunning, Zone (#4), New Ward 1 Rec Center
- Music Hall
- Harvard Yards

Roof replacement projects/new Construction Projects:

- Completed roof replacements with warranties at Hamilton, Gunning, and Zone Rec in 2021.
- A substantial renovation project is currently underway at Sterling Rec.
- New Ward 1 Rec has been designed to support roof mounted installation.
- Music Hall roof replacement project is currently underway.

RFP Information:

The following requirements were specified in the RFP documents:

- Detailed structural analysis is required for all roof mounted facilities in the scope of services by the selected Design-Build Firm.
- Conduit penetrations must be minimized.
- Design-Build Firm is required to submit written certification that the solar installation does not violate existing warranties.
- Design-Build Firm is required to coordinate rooftop solar installations with the City of Cleveland's roof repair/replacement schedules and associated warranty conditions.

The following [Dropbox link](https://tinyurl.com/7zwrzrb4) has additional information regarding roofs released as exhibits with the RFP. <https://tinyurl.com/7zwrzrb4>

2) Estimated Number of Jobs:

The estimated design/construction related labor costs for the project (excluding equipment, ongoing operations and maintenance costs), is \$4.2M dollars. In terms of jobs and hours, this translates to approximately 100,000 person hours¹ or approximately 52 full-time (FTE) job equivalent.

3) Financial Impact to CPP From the On-site solar Installations:

9 of the 15 City of Cleveland sites under active consideration for the on-site solar RFP project, are serviced by Cleveland Public Power (CPP). The estimated annual average electricity generation from the on-site solar project that would otherwise not be purchased from CPP (or credited back to CPP), is a total of 2,603,179 kWh. This represents just 0.16% of CPP's overall annual sales in kWh basis. This translates to approximately \$318,000 in annual avoided utility costs (costs not paid to the utility).

¹ Average Clean Energy Job salary: \$82,000/year. 2,000 hours/year. Reference: Cleveland Climate Action Plan Update