UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Form 8-K

Current Report

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): March 8, 2017

SunPower Corporation

(Exact name of registrant as specified in its charter)

001-34166 (Commission File Number)

Delaware

(State or other jurisdiction of incorporation)

94-3008969

(I.R.S. Employer Identification No.)

77 Rio Robles, San Jose, California 95134 (Address of principal executive offices, with zip code)

(408) 240-5500

(Registrant's telephone number, including area code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- o Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- o Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- o Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- o Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 8.01. Other Events.

On March 8, 2017, SunPower Corporation and certain of its subsidiaries (the "Company") entered into a Project Supply Agreement with Next Era Energy Resources, LLC and certain of its subsidiaries ("NextEra"), pursuant to which the Company will sell approximately 125 MW of its Performance Series (P-Series) modules to NextEra in connection with a power plant project, to be delivered between June and October 2017. The sale is subject to certain customary terms and conditions, as set forth in the Project Supply Agreement.

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

SUNPOWER CORPORATION

March 15, 2017 By: /s/ CHARLES D. BOYNTON

Name: Charles D. Boynton

Title: Executive Vice President and Chief Financial Officer