

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF  
SECURITIES

OMB APPROVAL	
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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934  
or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>MAHAFFEY KENNETH</u> <u>LAWRENCE</u>	2. Date of Event Requiring Statement (Month/Day/Year) <u>11/03/2016</u>	3. Issuer Name <b>and</b> Ticker or Trading Symbol <u>SUNPOWER CORP</u> [ <u>SPWR</u> ]		
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) <div>Director10% Owner</div> <div><input checked="" type="checkbox"/> Officer (give title below)Other (specify below)</div> <div><u>EVP &amp; General Counsel</u></div>		5. If Amendment, Date of Original Filed (Month/Day/Year)
				6. Individual or Joint/Group Filing (Check Applicable Line) <div><input checked="" type="checkbox"/> Form filed by One Reporting Person</div> <div>Form filed by More than One Reporting Person</div>
(Last)(First)(Middle) <u>77 RIO ROBLES</u>				
(Street) <u>SAN JOSE</u> <u>CA</u> <u>95134</u>				
(City)(State)(Zip)				

Table I - Non-Derivative Securities Beneficially Owned			
1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
<u>Common Stock</u>	<u>109,041</u> <sup>(1)</sup>	<u>D</u>	

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)					
1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	

Explanation of Responses:

1. Includes 34,831 unvested RSUs and 6,414 outstanding ISOs.

Lauren Walz, Attorney-in-Fact  
for Kenneth L. Mahaffey 11/03/2016  
\*\* Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.  
\* If the form is filed by more than one reporting person, see Instruction 5 (b)(v).  
\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).  
Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.  
Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.