

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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

OMB APPROVAL	
OMB Number:	3235-0287
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1. Name and Address of Reporting Person* <u>KACKLEY JAMES R</u>			2. Issuer Name and Ticker or Trading Symbol <u>ORION ENERGY SYSTEMS, INC. [ OESX ]</u>			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <b>President and COO</b>		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) <u>05/18/2010</u>			6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person		
<u>2210 WOODLAND DRIVE</u>			4. If Amendment, Date of Original Filed (Month/Day/Year)					
(Street) <u>MANITOWOC WI 54220</u>								
(City) (State) (Zip)								

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock								187,976	D	
Common Stock								45,000	I	By Spouse as trustee

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Stock Options (right to buy)	\$3.46	05/18/2010		A		19,912		05/18/2011 <sup>(1)</sup>	05/18/2020	Common Stock	19,912	\$0	19,912	D	
Stock Options (right to buy)	\$3.49							(2)	08/03/2019	Common Stock	35,000		35,000	D	
Stock Options (right to buy)	\$4.49							07/27/2008 <sup>(3)</sup>	07/27/2017	Common Stock	10,000		10,000	D	
Stock Options (right to buy)	\$11.61							05/19/2009 <sup>(4)</sup>	05/19/2018	Common Stock	14,851		14,851	D	
Stock Options (right to buy)	\$3.78							05/19/2010 <sup>(5)</sup>	05/19/2019	Common Stock	10,583		10,583	D	

**Explanation of Responses:**

- Grant to reporting person of option to buy shares under the 2004 Stock and Incentive Awards Plan. This option, granted May 18, 2010, vests and becomes exercisable in three equal installments on May 18, 2011, 2012 and 2013, respectively.
- Grant to reporting person of option to buy shares under the 2004 Stock and Incentive Awards Plan. This option, granted August 3, 2009, vests and becomes exercisable upon any termination of employment other than a termination for cause.
- Grant to reporting person of option to buy shares under the 2004 Equity Incentive Plan. This option, granted July 27, 2007, becomes fully exercisable on July 27, 2008.
- Grant to reporting person of option to buy shares under the 2004 Stock and Incentive Awards Plan. This option, granted May 19, 2008, vests and becomes exercisable in three equal installments on May 19, 2009, 2010 and 2011, respectively.
- Grant to reporting person of option to buy shares under the 2004 Stock and Incentive Awards Plan. This option, granted May 19, 2009, vests and becomes exercisable in three equal installments on May 19, 2010, 2011 and 2012, respectively.

**Remarks:**

/s/ Peter C. Underwood,  
Attorney-in-Fact

05/20/2010

\*\* 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 4 (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.**