FORM 4

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

(Print or Type Responses)

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL	
OMB Number:	**3235-0287**
Expires:	**February 28, 2018**
Estimated average burden hours per response 0.5	

1. Name and Address of Reporting Person*

Blegen, Bernie

(Last) (First) (Middle)

4040 Lake Washington Blvd. NE, Suite 201

(Street)

Kirkland, WA 98033

(City) (State) (Zip)

2. Issuer Name **and** Ticker or Trading Symbol

MONOLITHIC POWER SYSTEMS (MPWR)

3. Date of Earliest Transaction Required to be Reported (Month/Day/Year)

10/01/2019

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer (Check all applicable)

_____ Director _____ 10% Owner

__X__ Officer (give title below) _____ Other (specify below)

CFO

6. Individual or Joint/Group Filing (Check Applicable Line)

__X__ Form filed by One Reporting Person

____ Form filed by More than One Reporting Person

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	**10/01/19**		**S (1)**		**905**	**D**	**$155.6089**	**95,093**	**D**	
Common Stock	**10/01/19**		**S (2)**		**770**	**D**	**$157.0000**	**94,323**	**D**	

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).

Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control Number.

FORM 4 (continued)

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 Underlying Securities (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 of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				

Explanation of Responses:
See continuation page(s) for footnotes

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations.
See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

By: Saria Tseng For: Bernie Blegen
** Signature of Reporting Person

10/02/2019
Date

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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(1) **The reported sales were to cover taxes upon the vesting of restricted stock units, as required by the Company's equity incentive plans.**
(2) **In accordance with the reporting person's 10b5-1 trading plan.**