

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

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB APPROVAL
OMB Number: 3235-0287
Estimated average burden
hours per response... 0.5

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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 *-				2. Issuer Name and Ticker or Trading Symbol								5. Relationship of Reporting Person(s) to Issuer (Check all applicable)					
rt J				At	tom	nera In	c [ATO	M]									
							/YYYY)		Director 10% Owner								
	,	,														her (specify	below)
ERA, INC	C., 750						6/1	/202	23				Chief Techno	nogy Om	cer		
TY AVEN	UE, SU	ITE 28	30														
(Stre	eet)			4. I	If A	mendme	nt, Date O	rigin	al Fil	led ((MM/DI)/YYYY)	6. Individual	or Joint/G	roup Filing	Check Appl	icable Line)
S, CA 950)32																
				Dıı	la 1	0b5 1(a)	Transacti	on In	dient	ion			Form filed by	More than (One Reporting P	erson	
City) (Sta	ite) (Zij	p)				. ,										•	
																	en plan
				tha	t 1S	intended	to satisfy	the a	iffirm	ativ	e defe	nse coi	iditions of Rule	10b5-1(c)	. See Instruc	tion 10.	
		Table I	- Non-	Der	iva	tive Seci	urities Ac	quire	ed, Di	ispo	sed of	, or Be	neficially Owne	ed			
		2	2. Trans. I	Date				de				red (A)				6.	7. Nature
							(Instr. 8)						Following Reported (Instr. 3 and 4)	Transaction(s)	Ownership Form:	of Indirect Beneficial
								ı	Ì	-		1				Direct (D)	Ownership (Instr. 4)
											(A) or	n :				(I) (Instr.	(Instr. 1)
			6/1/202	3				V		_	- ` '	_		1205/1		•,	
									_								
							ļ			_	D	_				D	
Common Stock 6/1/202							M			-	A	\$3.90	138669			D	
Common Stock 6/1/202			3			s			_	D	\$8.81		128669				
Common Stock 6/2/2			6/2/202	3			s		2800	(2)	D	\$8.64	125869			D	
														2666		I	by Spouse
Tab	le II - Der	rivative	Securit	ties	Ben	eficially	Owned (e.g.,	puts,	cal	ls, wa	rrants,	options, conver	tible secu	rities)		
2.	3. Trans.													8. Price of		10.	11. Nature
(Instr. 3) or Exercise Price of Derivative						Acquired	(A) or	and 1	and Expiration Date			Derivativ	e Security	Security Security S	Securities	Form of E Derivative (Beneficial
											(Instr. 3 a	nd 4)	(Instr. 5)	Beneficially Owned	Ownership (Instr. 4)		
Security													Amount or		Following Reported	Direct (D)	
			Co	da	V	(A)	(D)		cisable			Title	Number of		Transaction(s)	(I) (Instr.	
\$3.90	6/1/2023				v		10000 ⁽²⁾	6/1/	2019	2/27	7/2029	Commo		\$0.00	36923	D	
	Tab 2. Conversion or Exercise Price of Derivative Security	Table II - Der Conversion or Exercise Price of Derivative Security (First) (M (M ERA, INC., 750 (Y AVENUE, SU (Street) (State) (Zi 3. Trans. Date	Table II - Derivative 2. Conversion or Exercise Price of Derivative Security (First) (Middle) (Middle) (Middle) (Middle) (Middle) (Middle) (Zip) (State) (Zip) (State) (Zip)	Table II - Derivative Security Code Co	rt J (First) (Middle) 3. 1 ERA, INC., 750 Y AVENUE, SUITE 280 (Street) 4. 1 S, CA 95032 Sity) (State) (Zip) Ru Table I - Non-Der 2. Trans. Date 6/1/2023	Table II - Derivative Securities Ber Security Se	Atomera In Conversion or Exercise Price of Derivative Security Atomera In Atomera In 3. Date of Earl.	Atomera Inc [ATO (First) (Middle) 3. Date of Earliest Transa (Street) (Street) 4. If Amendment, Date O (Street) (State) (State) (State) (State) (Zip) Rule 10b5-1(c) Transaction (Check this box to inditat is intended to satisfy) Table I - Non-Derivative Securities Acc 2. Trans. Date (Street) Atomera Inc [ATO 6/1 6/12 Atomera Inc [ATO 6/1 Atomera Inc [Atomera In	Atomera Inc [ATOM] (First) (Middle) 3. Date of Earliest Transaction (Street) 4. If Amendment, Date Origin (State) (Zip) Rule 10b5-1(c) Transaction In (Check this box to indicate that is intended to satisfy the attention in the properties of the prop	Atomera Inc ATOM	Atomera Inc ATOM	Atomera Inc [ATOM] Atomera Inc [ATOM] 3. Date of Earliest Transaction (MM/DD/YYYY) 6/1/2023 6/1/20	Atomera Inc [ATOM] (First) (Middle) 3. Date of Earliest Transaction (MM/DD/YYYY) (Street) 6/1/2023 (Street) 4. If Amendment, Date Original Filed (MM/DD/YYYY) S, CA 95032 (Strey) (State) (Zip) Rule 10b5-1(c) Transaction Indication (Check this box to indicate that a transaction was that is intended to satisfy the affirmative defense core transaction was that is intended to satisfy the affirmative defense core and the intended to satisfy the affirmative defense core transaction was that is intended to satisfy the affirmative defense core and the intended to satisfy the affirmative defense core and the intended to satisfy the affirmative defense core and the intended to satisfy the affirmative defense core and the intended to satisfy the affirmative defense core and the intended to satisfy the affirmative defense core and the intended to satisfy the affirmative defense core and the intended to satisfy the affirmative defense core and the intended to satisfy the affirmative defense core and the intended to satisfy the affirmative defense core and the intended to satisfy the affirmative defense core and the intended to satisfy the affirmative defense core and the intended to satisfy the affirmative defense core and the intended to satisfy the affirmative defense core and the intended to satisfy the affirmative defense core and the intended to satisfy the affirmative defense core and intended to satisfy the affirmative defense core and the intended to satisfy the affirmative defense core and the intended to satisfy the affirmative defense core and intended to satisfy the affirmative defense core and the intended to satisfy the affirmative defense core and the intended to satisfy the affirmative defense core and the intended to satisfy the affirmative defense core and the intended to satisfy the affirmative defense core and the intended to satisfy the affirmative defense core and the intended to satisfy the affirmative defense core and intended to satisfy the affirmative defense core and intended to satisfy the	Atomera Inc [ATOM] Check all app Director Atomera Securities Securit	Atomera Inc [ATOM] Check all applicable	Atomera Inc [ATOM] (First) (Middle) 3. Date of Earliest Transaction (MM/DD/YYYY) Director 10% No. Officer (give tilte below) Other Technology Officer	Atomera Inc [ATOM] Serial (First) (Middle) Serial (Mi

Explanation of Responses:

- (1) Represents the number of shares sold by the Reporting Person to cover tax withholding obligations in connection with the vesting of restricted stock grants that were previously reported. This sale is to satisfy mandatory non-discretionary tax withholding obligations by a "sell to cover" transaction.
- (2) This transaction is part of a 10b5-1 plan adopted on July 8, 2022 by the Reporting Person.

Reporting Owners

Reporting Owner Name / Address	Relationships							
Reporting Owner Name / Address	Director	10% Owner	Officer	Other				
Mears Robert J								
C/O ATOMERA, INC.			Chief Technology Officer					
750 UNIVERSITY AVENUE, SUITE 280		Cilier reclinology Officer						
LOS GATOS, CA 95032								

Signatures

/s/ Robert J. Mears, by Mindi Zimmer, as Attorney-in-Fact 6/2/2023

**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 control number.