(City)

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

| Washington, | D.C. | 20549 |
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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

| OMB APPROVAL | | | | | | | | | | |
|--------------------------|-----------|--|--|--|--|--|--|--|--|--|
| 0005.000 | | | | | | | | | | |
| OMB Number: | 3235-0287 | | | | | | | | | |
| Estimated average burden | | | | | | | | | | |
| hours per response: | 0.5 | | | | | | | | | |

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

(State)

(Zip)

| | | | or Section 30(n) of the investment Company Act of 1940 | |
|--|----|---------------------|---|---|
| 1. Name and Address of Reporting Person* <u>Campbell Michael Gerard</u> | | | 2. Issuer Name and Ticker or Trading Symbol Comera Life Sciences Holdings, Inc. [CMRA] | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner X Officer (give title Other (specify below) below) |
| (Last) (First) (Middle) C/O COMERA LIFE SCIENCES HOLDINGS, INC. 12 GILL STREET, SUITE 4650 | | ICES HOLDINGS, INC. | 3. Date of Earliest Transaction (Month/Day/Year) 02/14/2023 | EVP & CFO |
| (Street) WOBURN | MA | 01801 | 4. If Amendment, Date of Original Filed (Month/Day/Year) | 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) | Code (Instr. | | 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) | | | 5. Amount of Securities Beneficially Owned Following | 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 | Transaction(s) (Instr. 3 and 4) | | (11130.4) | |
| 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) | Code (| 5. Numbe of Derivative Securities Acquired (A) or Disposed of (D) (Ins 3, 4 and 5 | | ivative (Month/Day/Year) urities quired or posed D) (Instr. | | | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) | | 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 | Amount or Number of Shares | | | | |
| Stock Option (Right to Purchase) | \$1.3 | 02/14/2023 | | A | | 25,000 | | (1) | 02/14/2033 | Common Stock | 25,000 | \$0 | 25,000 | D | |

Explanation of Responses:

1. 25% of the shares underlying the stock option vest on February 14, 2024, with the remaining shares vesting on a monthly basis on the 14th day of each month thereafter, in each case, subject to continuous service to the issuer, such that the option shall be fully vested on February 14, 2027.

/s/ Ryan M. Rourke Reed,

02/16/2023

Attorney-in-Fact

** Signature of Reporting Person

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.