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

| OMB APPROVAL             |           |  |  |  |  |  |
|--------------------------|-----------|--|--|--|--|--|
| DMB Number:              | 3235-0287 |  |  |  |  |  |
| Estimated average burden |           |  |  |  |  |  |
| ours per response        |           |  |  |  |  |  |

longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

### 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

| Print or Ty   | pe Response   | es)              |   |   |                                 |   |     |  |  |   |  |  |                                      |  |   |   |
|---|---|------------------|---|---|---------------------------------|---|-----|--|--|---|--|--|--------------------------------------|--|---|---|
| Name and Address of Reporting Person *  DeManche Joseph P                     |   |                  | 2. Issuer Name and Ticker or Trading Symbol Ameresco, Inc. [AMRC] |   |                                 |   |     |  |  | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  Director 10% Owner |  |  |                                      |  |   |   |
| (Last) (First) (Middle)<br>C/O AMERESCO, INC., 111 SPEEN STREET,<br>SUITE 410 |   |                  |   | 3. Date of Earliest Transaction (Month/Day/Year) 12/04/2017 |                                 |   |     |  |  |   | X Officer (give title below) Other (specify below)  Executive Vice President |  |                                      |  |   |   |
| (Street) FRAMINGHAM, MA 01701   |   |                  | 4. If Amendment, Date 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 |   |  |  |                                      |  |   |   |
| (City) (State) (Zip)  |   |                  |   | Table I - Non-Derivative Securities Acqui                   |                                 |   |     |  |  |   | ired, Disposed of, or Beneficially Owned                                     |  |                                      |  |   |   |
| 1.Title of Security (Instr. 3)  |   |                  | 2. Transaction<br>Date<br>(Month/Day/Year)                        | 2A. Deemed<br>Execution Date, if<br>any<br>(Month/Day/Year) |                                 | (Instr. 8)  |     | (A) or Disposed o (D) (Instr. 3, 4 and 5)                      |  | of  | Beneficia  | ally Owned Following<br>I Transaction(s)     |                                      | 6.<br>Ownership<br>Form:<br>Direct (D)   | Beneficial<br>Ownership                                     |   |
|   |   |                  |   |   |                                 | Cod   | le  | V  | Amour  | (A) or (D)  | Price  |  |                                      | or Indi<br>(I)<br>(Instr.  |   | (Instr. 4)                                |
| Class A C   | Common St   | tock             | 12/04/2017  |   |                                 | S(1   | D ( |  | 4,783  | D   | \$<br>8.8  | 154,688                                      |                                      |  | D   |   |
| Class A C   | Common St   | tock             | 12/06/2017  |   |                                 | S(1   | Ú   |  | 4,688  | D   | \$<br>8.8  | 150,000                                      |                                      |  | D   |   |
| Reminder: Indirectly.   | Report on a   | separate line fo | or each class of secu   | rities l  | beneficially (                  | owned d   | P   | erso   | ons wh   |   |  |  |                                      | formation  |   | SEC 1474 (9-                              |
|   |   |                  |   |   |                                 |   |     |  |  |   |  |  |                                      | spond un<br>itrol numb   |   | 02)                                       |
|   |   |                  | Table II - D  |   | tive Securiti<br>its, calls, wa |   |     |  |  |   |  | lly Owned                                    | l                                    |  |   |   |
| 1. Title of<br>Derivative<br>Security<br>(Instr. 3)                           | 2.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security |                  | 3A. Deemed<br>Execution Da<br>any                                 | 4.<br>Transaction<br>Code<br>Year) (Instr. 8)               |                                 | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) |     | 6. Date Exercisable<br>and Expiration Date<br>(Month/Day/Year) |  |   | 7. T<br>Ame<br>Und<br>Sect<br>(Ins<br>4)                                     | itle and ount of lerlying urities ttr. 3 and | Derivative<br>Security<br>(Instr. 5) | 9. Number of<br>Derivative<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported<br>Transaction((Instr. 4) | Owner<br>Form of<br>Deriva<br>Securit<br>Direct<br>or India | Ownership<br>y: (Instr. 4)<br>(D)<br>Pect |
|   |   |                  |   |   | Code V                          | (A) (I  |     | Date<br>Exerc  | cisable  | Expiratio<br>Date   | Title  | Number<br>of<br>Shares                       |                                      |  |   |   |
| Repor   | ting O  | wners            |   |   |                                 |   |     |  |  |   |  |  |                                      |  |   |   |

| Domontino On               | man Nama / Adduses | Relationships |           |                          |       |  |  |  |  |
|----------------------------|--------------------|---------------|-----------|--------------------------|-------|--|--|--|--|
| Reporting Ow               | ner Name / Address | Director      | 10% Owner | Officer                  | Other |  |  |  |  |
| DeManche Jos<br>C/O AMERES | *                  |               |           |                          |       |  |  |  |  |
|                            | TREET, SUITE 410   |               |           | Executive Vice President |       |  |  |  |  |
| FRAMINGHA                  | M, MA 01701        |               |           |                          |       |  |  |  |  |

# **Signatures**

| /s/ John W. Pickett, attorney-in-fact | 12/06/2017 |
|---------------------------------------|------------|
| **Signature of Reporting Person       | Date       |

# **Explanation of Responses:**

- \* 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).
- (1) The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on May 11, 2017.

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

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 number.