

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL

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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

| | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Name and Address of Reporting Person* <u>Frankel Michael S.</u> (Last) (First) (Middle) 11620 WILSHIRE BOULEVARD SUITE 1000 (Street) LOS ANGELES CA 90025 (City) (State) (Zip) | 2. Issuer Name and Ticker or Trading Symbol <u>Rexford Industrial Realty, Inc. [REXR]</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) <u>Co-CEO, Co-President</u> |
| | 3. Date of Earliest Transaction (Month/Day/Year) <u>12/15/2017</u> | |
| 4. If Amendment, Date of Original Filed (Month/Day/Year) | | |

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 | | | |

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 |
| LTIP Units ⁽¹⁾⁽²⁾ | (1)(2) | 12/15/2017 | | A | | 44,147 | | (1)(2) | (1)(2) | Common Stock, par value \$0.01 | 44,147 | (1)(2) | 151,075 | D | |

Explanation of Responses:

1. LTIP Units are a class of limited partnership units in Rexford Industrial Realty, L.P. (the "Operating Partnership"). Initially, the LTIP Units do not have full parity with common limited partnership units of the Operating Partnership ("OP Units") with respect to liquidating distributions. However, upon the occurrence of certain events described in the Operating Partnership's partnership agreement, the LTIP Units can over time achieve full parity with the OP Units for all purposes. If such parity is reached, vested LTIP Units may be converted into an equal number of OP Units on a one for one basis at any time at the request of the Reporting Person or the general partner of the Operating Partnership. OP Units are redeemable by the holder for an equivalent number of shares of the Issuer's common stock or for the cash value of such shares, at the Issuer's election.

2. (Continued from Footnote 1) The LTIP Units issued pursuant to the Rexford Industrial Realty, Inc. and Rexford Industrial Realty, L.P. 2013 Incentive Award Plan will vest 1/3 in equal installments on December 15 of 2018, 2019 and 2020, subject to earlier vesting upon certain terminations of the Reporting Person's employment or a change of control of the Issuer, in each case as described in the award agreement.

Remarks:

/s/ Michael S. Frankel

12/19/2017

** 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.