

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

SCHEDULE 13G

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO
RULES 13d-1(b) (c), and (d) AND AMENDMENTS THERETO FILED
PURSUANT TO RULE 13d-2(b)

Rexford Industrial Realty

(Name of Issuer)

Common Stock

(Title of Class of Securities)

76169C100

(CUSIP Number)

December 31, 2015

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)
 Rule 13d-1(c)
 Rule 13d-1(d)

(Continued on the following pages)

*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

CUSIP No. 76169C100

(1) Names of Reporting Persons.
I.R.S. Identification Nos. of above persons (entities only).
AEW Capital Management, L.P.

(2) Check the Appropriate Box if a Member of a Group (See Instructions)

- (a)
(b)

(3) SEC Use Only

(4) Citizenship or Place of Organization
Delaware

Number of (5) Sole Voting Power
Shares 3,196,629

Beneficially Owned by Each Reporting Person With: (6) Shared Voting Power
None

(7) Sole Dispositive Power
3,196,629

(8) Shared Dispositive Power
None

(9) Aggregate Amount Beneficially Owned by Each Reporting Person
3,196,629 shares of Common Stock

(10) Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

(11) Percent of Class Represented by Amount in Row (9)
7.50%

(12) Type of Reporting Person (See Instructions)
PN

2

CUSIP No. 76169C100

(1) Names of Reporting Persons.
I.R.S. Identification Nos. of above persons (entities only).
AEW Capital Management, Inc.

(2) Check the Appropriate Box if a Member of a Group (See Instructions)

(a)

(b)

(3) SEC Use Only

(4) Citizenship or Place of Organization
Massachusetts

(5) Sole Voting Power
3,196,629

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With:

(6) Shared Voting Power
None

(7) Sole Dispositive Power
3,196,629

(8) Shared Dispositive Power
None

(9) Aggregate Amount Beneficially Owned by Each Reporting Person
3,196,629 shares of Common Stock

(10) Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

(11) Percent of Class Represented by Amount in Row (9)
7.50%

(12) Type of Reporting Person (See Instructions)

CUSIP No. 76169C100

STATEMENT ON SCHEDULE 13G

- Item 1(a).** Name of Issuer:
Rexford Industrial Realty
-
- Item 1(b).** Address of Issuer's Principal Executive Offices:
11620 Wilshire Boulevard, Suite 1000
Los Angeles, CA 90025
-
- Item 2(a).** Names of Person Filing:
AEW Capital Management, L.P.
AEW Capital Management, Inc.
-
- Item 2(b).** Business Mailing Address for the Person Filing:
Two Seaport Lane
Boston, MA 02110-2021
-
- Item 2(c).** Citizenship:
Delaware for AEW Capital Management, L.P.
Massachusetts for AEW Capital Management, Inc.
-
- Item 2(d).** Title of Class of Securities:
Common Stock
-
- Item 2(e).** CUSIP Number:
76169C100
-
- Item 3.** **If this statement is filed pursuant to Rules 13d-1(b), or 13d-2(b), check whether the person filing is a:**
Not Applicable

- Item 4. Ownership:**
- (a) Amount beneficially owned:
3,196,629 shares of Common Stock
-
- (b) Percent of class Owned:
7.50%
-
- (c) Number of shares as to which such person has:
-
- (i) Sole power to vote or to direct the vote:
3,196,629 shares of Common Stock
-
- (ii) Shared power to vote or to direct the vote:
None
-
- (iii) Sole power to dispose or to direct the disposition of:
3,196,629 shares of Common Stock
-
- (iv) Shared power to dispose or to direct the disposition of:
None
-
- Item 5. Ownership of Five Percent or Less of a Class:**
Not Applicable

Item 6. Ownership of More than Five Percent on Behalf of Another Person:

Not Applicable

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company:

Not Applicable

Item 8. Identification and Classification of Members of the Group:

Not Applicable

Item 9. Notice of Dissolution of Group:

Not Applicable

5

Item 10. Certification:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

Signature

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated: February 9, 2016

AEW CAPITAL MANAGEMENT, L.P.

By: AEW Capital Management, Inc., its
General partner

By: /s/ James J. Finnegan

Name: James J. Finnegan
Title: Vice President

AEW CAPITAL MANAGEMENT, INC.

By: /s/ James J. Finnegan

Name: James J. Finnegan
Title: Vice President

6

JOINT FILING AGREEMENT

In accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended, the undersigned agree to the joint filing on behalf of each of them of a statement on Schedule 13G (including amendments thereto) with respect to the Common Stock of Brandywine Realty Trust and further agree that this agreement be included as an exhibit to such filing. Each party to the agreement expressly authorizes each other party to file on its behalf any and all amendments to such statement. Each party to this agreement agrees that this joint filing agreement may be signed in counterparts.

In evidence whereof, the undersigned have caused this Agreement to be executed on their behalf this 9th day of February, 2016.

AEW CAPITAL MANAGEMENT, L.P.

By: AEW Capital Management, Inc., its
General partner

By: /s/ James J. Finnegan

Name: James J. Finnegan
Title: Vice President

AEW CAPITAL MANAGEMENT, INC.

By: /s/ James J. Finnegan

Name: James J. Finnegan

Title: Vice President
