# Form 5500

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

## Annual Return/Report of Employee Benefit Plan

This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code).

▶ **Complete all entries in accordance with the instructions to the Form 5500.**

OMB Nos. 1210-0110
1210-0089

**2017**

**This Form is Open to Public Inspection**

## Part I Annual Report Identification Information

For calendar plan year 2017 or fiscal plan year beginning 01/01/2017 and ending 12/31/2017

**A** This return/report is for:
- [ ] a multiemployer plan
- [ ] a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.)
- [X] a single-employer plan
- [ ] a DFE (specify) ___

**B** This return/report is:
- [ ] the first return/report
- [ ] the final return/report
- [ ] an amended return/report
- [ ] a short plan year return/report (less than 12 months)

**C** If the plan is a collectively-bargained plan, check here. . . . . ▶ [ ]

**D** Check box if filing under:
- [X] Form 5558
- [ ] automatic extension
- [ ] the DFVC program
- [ ] special extension (enter description)

## Part II Basic Plan Information—enter all requested information

**1a** Name of plan
TOWER RESEARCH CAPITAL GROUP 401(K) PLAN

**1b** Three-digit plan number (PN) ▶ 001

**1c** Effective date of plan 01/01/2007

**2a** Plan sponsor's name (employer, if for a single-employer plan)
Mailing address (include room, apt., suite no. and street, or P.O. Box)
City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions)
TOWER RESEARCH CAPITAL, LLC

377 BROADWAY 11TH FLOOR
NEW YORK, NY 10013

**2b** Employer Identification Number (EIN)
13-3994895

**2c** Plan Sponsor's telephone number
646-661-3473

**2d** Business code (see instructions)
523900

**Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.**

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

| | | | |
|---|---|---|---|
| **SIGN HERE** | Filed with authorized/valid electronic signature. | 10/15/2018 | RAVEN PARKS |
| | **Signature of plan administrator** | Date | Enter name of individual signing as plan administrator |
| **SIGN HERE** | | | |
| | **Signature of employer/plan sponsor** | Date | Enter name of individual signing as employer or plan sponsor |
| **SIGN HERE** | | | |
| | **Signature of DFE** | Date | Enter name of individual signing as DFE |

**3a** Plan administrator's name and address [X] Same as Plan Sponsor

**3b** Administrator's EIN

**3c** Administrator's telephone number

**4** If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report:
**a** Sponsor's name
**c** Plan Name

**4b** EIN

**4d** PN

| | | |
|---|---|---|
| **5** Total number of participants at the beginning of the plan year | **5** | 576 |
| **6** Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines **6a(1), 6a(2), 6b, 6c,** and **6d**). | | |
| **a(1)** Total number of active participants at the beginning of the plan year | **6a(1)** | 397 |
| **a(2)** Total number of active participants at the end of the plan year | **6a(2)** | 397 |
| **b** Retired or separated participants receiving benefits | **6b** | 0 |
| **c** Other retired or separated participants entitled to future benefits | **6c** | 203 |
| **d** Subtotal. Add lines **6a(2)**, **6b**, and **6c** | **6d** | 600 |
| **e** Deceased participants whose beneficiaries are receiving or are entitled to receive benefits. | **6e** | 0 |
| **f** Total. Add lines **6d** and **6e**. | **6f** | 600 |
| **g** Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item) | **6g** | 538 |
| **h** Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested | **6h** | 15 |
| **7** Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item) | **7** | |

**8a** If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions:

2E 2F 2G 2J 2K 2R 2T 3D 3H

**b** If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:

| **9a** Plan funding arrangement (check all that apply) | | **9b** Plan benefit arrangement (check all that apply) | |
|---|---|---|---|
| **(1)** | [ ] Insurance | **(1)** | [ ] Insurance |
| **(2)** | [ ] Code section 412(e)(3) insurance contracts | **(2)** | [ ] Code section 412(e)(3) insurance contracts |
| **(3)** | [X] Trust | **(3)** | [X] Trust |
| **(4)** | [ ] General assets of the sponsor | **(4)** | [ ] General assets of the sponsor |

**10** Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)

**a Pension Schedules**

**(1)** [X] **R** (Retirement Plan Information)

**(2)** [ ] **MB** (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary

**(3)** [ ] **SB** (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary

**b General Schedules**

**(1)** [X] **H** (Financial Information)

**(2)** [ ] **I** (Financial Information – Small Plan)

**(3)** [ ] ___ **A** (Insurance Information)

**(4)** [X] **C** (Service Provider Information)

**(5)** [ ] **D** (DFE/Participating Plan Information)

**(6)** [ ] **G** (Financial Transaction Schedules)

## Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

**11a** If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) .....…… ☐ Yes ☐ No

If "Yes" is checked, complete lines 11b and 11c.

**11b** Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) ……..... ☐ Yes ☐ No

**11c** Enter the Receipt Confirmation Code for the 2017 Form M-1 annual report. If the plan was not required to file the 2017 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code_____

# SCHEDULE C (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

## Service Provider Information

This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA).

▶ **File as an attachment to Form 5500.**

OMB No. 1210-0110

**2017**

**This Form is Open to Public Inspection.**

For calendar plan year 2017 or fiscal plan year beginning 01/01/2017 and ending 12/31/2017

**A** Name of plan
TOWER RESEARCH CAPITAL GROUP 401(K) PLAN

**B** Three-digit plan number (PN) ▶ 001

**C** Plan sponsor's name as shown on line 2a of Form 5500
TOWER RESEARCH CAPITAL, LLC

**D** Employer Identification Number (EIN)
13-3994895

## Part I Service Provider Information (see instructions)

You must complete this Part, in accordance with the instructions, to report the information required for **each person** who received, directly or indirectly, $5,000 or more in total compensation (i.e., money or anything else of monetary value) in connection with services rendered to the plan or the person's position with the plan during the plan year. If a person received **only** eligible indirect compensation for which the plan received the required disclosures, you are required to answer line 1 but are not required to include that person when completing the remainder of this Part.

### 1 Information on Persons Receiving Only Eligible Indirect Compensation

**a** Check "Yes" or "No" to indicate whether you are excluding a person from the remainder of this Part because they received only eligible indirect compensation for which the plan received the required disclosures (see instructions for definitions and conditions).. . . . . [X] Yes [ ] No

**b** If you answered line 1a "Yes," enter the name and EIN or address of each person providing the required disclosures for the service providers who received only eligible indirect compensation. Complete as many entries as needed (see instructions).

**(b)** Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

ALLIANZ GLOBAL INVESTORS DISTRIBUTO
1345 AVENUE OF THE AMERICAS
NEW YORK, NY 10105

**(b)** Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

DIMENSIONAL FUND ADVISORS
6300 BEE CAVE ROAD
BUILDING ONE
AUSTIN, TX 78746

**(b)** Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

DODGE & COX INC., DISTRIBUTOR

94-1441976

**(b)** Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

T. ROWE PRICE
100 EAST PRATT STREET
BALTIMORE, MD 21202

**(b)** Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

TIAA-CREF FUNDS

730 THIRD AVENUE
NEW YORK, NY 10017

**(b)** Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

VANGUARD

455 DEVON PARK DRIVE
WAYNE, PA 19087

**(b)** Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

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**2. Information on Other Service Providers Receiving Direct or Indirect Compensation.** Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, $5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

**(a)** Enter name and EIN or address (see instructions)

ADP, LLC

13-3036745

| (b) Service Code(s) | (c) Relationship to employer, employee organization, or person known to be a party-in-interest | (d) Enter direct compensation paid by the plan. If none, enter -0-. | (e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor) | (f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures? | (g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-. | (h) Did the service provider give you a formula instead of an amount or estimated amount? |
|---|---|---|---|---|---|---|
| 37 50 15 64 21 49 99 | RECORD KEEPER | 4750 | Yes [X] No [ ] | Yes [X] No [ ] | 0 | Yes [ ] No [X] |

**(a)** Enter name and EIN or address (see instructions)

TD AMERITRADE, INC.

82-0543156

| (b) Service Code(s) | (c) Relationship to employer, employee organization, or person known to be a party-in-interest | (d) Enter direct compensation paid by the plan. If none, enter -0-. | (e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor) | (f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures? | (g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-. | (h) Did the service provider give you a formula instead of an amount or estimated amount? |
|---|---|---|---|---|---|---|
| 33 63 | SECURITES BROKER | 167 | Yes [X] No [ ] | Yes [ ] No [X] | 0 | Yes [X] No [ ] |

**(a)** Enter name and EIN or address (see instructions)

ADP BROKER-DEALER

22-3319984

| (b) Service Code(s) | (c) Relationship to employer, employee organization, or person known to be a party-in-interest | (d) Enter direct compensation paid by the plan. If none, enter -0-. | (e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor) | (f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures? | (g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-. | (h) Did the service provider give you a formula instead of an amount or estimated amount? |
|---|---|---|---|---|---|---|
| 60 59 | RECORD KEEPER | 0 | Yes [X] No [ ] | Yes [ ] No [X] | 0 | Yes [X] No [ ] |

**2. Information on Other Service Providers Receiving Direct or Indirect Compensation.** Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, $5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

**(a)** Enter name and EIN or address (see instructions)

| **(b)** Service Code(s) | **(c)** Relationship to employer, employee organization, or person known to be a party-in-interest | **(d)** Enter direct compensation paid by the plan. If none, enter -0-. | **(e)** Did service provider receive indirect compensation? (sources other than plan or plan sponsor) | **(f)** Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures? | **(g)** Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-. | **(h)** Did the service provider give you a formula instead of an amount or estimated amount? |
|---|---|---|---|---|---|---|
| | | | Yes ☐ No ☐ | Yes ☐ No ☐ | | Yes ☐ No ☐ |

**(a)** Enter name and EIN or address (see instructions)

| **(b)** Service Code(s) | **(c)** Relationship to employer, employee organization, or person known to be a party-in-interest | **(d)** Enter direct compensation paid by the plan. If none, enter -0-. | **(e)** Did service provider receive indirect compensation? (sources other than plan or plan sponsor) | **(f)** Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures? | **(g)** Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-. | **(h)** Did the service provider give you a formula instead of an amount or estimated amount? |
|---|---|---|---|---|---|---|
| | | | Yes ☐ No ☐ | Yes ☐ No ☐ | | Yes ☐ No ☐ |

**(a)** Enter name and EIN or address (see instructions)

| **(b)** Service Code(s) | **(c)** Relationship to employer, employee organization, or person known to be a party-in-interest | **(d)** Enter direct compensation paid by the plan. If none, enter -0-. | **(e)** Did service provider receive indirect compensation? (sources other than plan or plan sponsor) | **(f)** Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures? | **(g)** Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-. | **(h)** Did the service provider give you a formula instead of an amount or estimated amount? |
|---|---|---|---|---|---|---|
| | | | Yes ☐ No ☐ | Yes ☐ No ☐ | | Yes ☐ No ☐ |

## Part I Service Provider Information (continued)

**3.** If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received $1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

| **(a)** Enter service provider name as it appears on line 2 | **(b)** Service Codes (see instructions) | **(c)** Enter amount of indirect compensation |
|---|---|---|
| ADP BROKER-DEALER | 60 59 | 0 |

| **(d)** Enter name and EIN (address) of source of indirect compensation | **(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation. |
|---|---|
| DODGE & COX INC., DISTRIBUTOR<br><br>94-1441976 | ANNUAL RATE 0.00100 OF AVERAGE DAILY ASSETS |

| **(a)** Enter service provider name as it appears on line 2 | **(b)** Service Codes (see instructions) | **(c)** Enter amount of indirect compensation |
|---|---|---|
| TD AMERITRADE, INC. | 63 | 0 |

| **(d)** Enter name and EIN (address) of source of indirect compensation | **(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation. |
|---|---|
| PIONEER INDEPENDENCE FUND<br><br>13-5657669 | RANGE FROM 0-100 BPS |

| **(a)** Enter service provider name as it appears on line 2 | **(b)** Service Codes (see instructions) | **(c)** Enter amount of indirect compensation |
|---|---|---|
| ADP BROKER-DEALER | 60 59 | 0 |

| **(d)** Enter name and EIN (address) of source of indirect compensation | **(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation. |
|---|---|
| T. ROWE PRICE 100 EAST PRATT STREET BALTIMORE, MD 21202 | ANNUAL RATE 0.00150 OF AVERAGE DAILY ASSETS<br>ANNUAL RATE 0.00150 OF AVERAGE DAILY ASSETS |

## Part I Service Provider Information (continued)

**3.** If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received $1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

| **(a)** Enter service provider name as it appears on line 2 | **(b)** Service Codes (see instructions) | **(c)** Enter amount of indirect compensation |
|---|---|---|
| TD AMERITRADE, INC. | 63 | 0 |

| **(d)** Enter name and EIN (address) of source of indirect compensation | **(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation. |
|---|---|
| UNAVAILABLE<br>UNAVAILABLE<br>UNAVAILABLE, CA 91367 | INCOME FROM MARKET PER QUALIFIED TRADE, BPS ON SWE EP FUNDS, AND MUTUAL FUND FEES DISCLOSED IN TD AME RITRADES 408B2 |

| **(a)** Enter service provider name as it appears on line 2 | **(b)** Service Codes (see instructions) | **(c)** Enter amount of indirect compensation |
|---|---|---|
| | | |

| **(d)** Enter name and EIN (address) of source of indirect compensation | **(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation. |
|---|---|
| | |

| **(a)** Enter service provider name as it appears on line 2 | **(b)** Service Codes (see instructions) | **(c)** Enter amount of indirect compensation |
|---|---|---|
| | | |

| **(d)** Enter name and EIN (address) of source of indirect compensation | **(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation. |
|---|---|
| | |

## Part II Service Providers Who Fail or Refuse to Provide Information

**4** Provide, to the extent possible, the following information for each service provider who failed or refused to provide the information necessary to complete this Schedule.

| **(a)** Enter name and EIN or address of service provider (see instructions) | **(b)** Nature of Service Code(s) | **(c)** Describe the information that the service provider failed or refused to provide |
|---|---|---|
| | | |

| **(a)** Enter name and EIN or address of service provider (see instructions) | **(b)** Nature of Service Code(s) | **(c)** Describe the information that the service provider failed or refused to provide |
|---|---|---|
| | | |

| **(a)** Enter name and EIN or address of service provider (see instructions) | **(b)** Nature of Service Code(s) | **(c)** Describe the information that the service provider failed or refused to provide |
|---|---|---|
| | | |

| **(a)** Enter name and EIN or address of service provider (see instructions) | **(b)** Nature of Service Code(s) | **(c)** Describe the information that the service provider failed or refused to provide |
|---|---|---|
| | | |

| **(a)** Enter name and EIN or address of service provider (see instructions) | **(b)** Nature of Service Code(s) | **(c)** Describe the information that the service provider failed or refused to provide |
|---|---|---|
| | | |

| **(a)** Enter name and EIN or address of service provider (see instructions) | **(b)** Nature of Service Code(s) | **(c)** Describe the information that the service provider failed or refused to provide |
|---|---|---|
| | | |

## Part III Termination Information on Accountants and Enrolled Actuaries (see instructions)

(complete as many entries as needed)

| | |
|---|---|
| **a** Name: | **b** EIN: |
| **c** Position: | |
| **d** Address: | **e** Telephone: |

Explanation:

| | |
|---|---|
| **a** Name: | **b** EIN: |
| **c** Position: | |
| **d** Address: | **e** Telephone: |

Explanation:

| | |
|---|---|
| **a** Name: | **b** EIN: |
| **c** Position: | |
| **d** Address: | **e** Telephone: |

Explanation:

| | |
|---|---|
| **a** Name: | **b** EIN: |
| **c** Position: | |
| **d** Address: | **e** Telephone: |

Explanation:

| | |
|---|---|
| **a** Name: | **b** EIN: |
| **c** Position: | |
| **d** Address: | **e** Telephone: |

Explanation:

# SCHEDULE H (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

## Financial Information

This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code).

▶ **File as an attachment to Form 5500.**

OMB No. 1210-0110

**2017**

**This Form is Open to Public Inspection**

For calendar plan year 2017 or fiscal plan year beginning 01/01/2017 and ending 12/31/2017

**A** Name of plan
TOWER RESEARCH CAPITAL GROUP 401(K) PLAN

**B** Three-digit plan number (PN) ▶ 001

**C** Plan sponsor's name as shown on line 2a of Form 5500
TOWER RESEARCH CAPITAL, LLC

**D** Employer Identification Number (EIN)
13-3994895

## Part I Asset and Liability Statement

**1** Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. **Round off amounts to the nearest dollar.** MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.

| Assets | | (a) Beginning of Year | (b) End of Year |
|---|---|---|---|
| **a** Total noninterest-bearing cash | 1a | | |
| **b** Receivables (less allowance for doubtful accounts): | | | |
| **(1)** Employer contributions | 1b(1) | 1781640 | 1920187 |
| **(2)** Participant contributions | 1b(2) | 204016 | 162157 |
| **(3)** Other | 1b(3) | | |
| **c** General investments: | | | |
| **(1)** Interest-bearing cash (include money market accounts & certificates of deposit) | 1c(1) | | |
| **(2)** U.S. Government securities | 1c(2) | | |
| **(3)** Corporate debt instruments (other than employer securities): | | | |
| **(A)** Preferred | 1c(3)(A) | | |
| **(B)** All other | 1c(3)(B) | | |
| **(4)** Corporate stocks (other than employer securities): | | | |
| **(A)** Preferred | 1c(4)(A) | | |
| **(B)** Common | 1c(4)(B) | | |
| **(5)** Partnership/joint venture interests | 1c(5) | | |
| **(6)** Real estate (other than employer real property) | 1c(6) | | |
| **(7)** Loans (other than to participants) | 1c(7) | | |
| **(8)** Participant loans | 1c(8) | 394897 | 416783 |
| **(9)** Value of interest in common/collective trusts | 1c(9) | | |
| **(10)** Value of interest in pooled separate accounts | 1c(10) | | |
| **(11)** Value of interest in master trust investment accounts | 1c(11) | | |
| **(12)** Value of interest in 103-12 investment entities | 1c(12) | | |
| **(13)** Value of interest in registered investment companies (e.g., mutual funds) | 1c(13) | 40096762 | 51478209 |
| **(14)** Value of funds held in insurance company general account (unallocated contracts) | 1c(14) | | |
| **(15)** Other | 1c(15) | 911040 | 726709 |

| | | | (a) Beginning of Year | (b) End of Year |
|---|---|---|---|---|
| **1d** | Employer-related investments: | | | |
| | **(1)** Employer securities | 1d(1) | | |
| | **(2)** Employer real property | 1d(2) | | |
| **e** | Buildings and other property used in plan operation | 1e | | |
| **f** | Total assets (add all amounts in lines 1a through 1e) | 1f | 43388355 | 54704045 |
| | **Liabilities** | | | |
| **g** | Benefit claims payable | 1g | | |
| **h** | Operating payables | 1h | | |
| **i** | Acquisition indebtedness | 1i | | |
| **j** | Other liabilities | 1j | | |
| **k** | Total liabilities (add all amounts in lines 1g through1j) | 1k | 0 | 0 |
| | **Net Assets** | | | |
| **l** | Net assets (subtract line 1k from line 1f) | 1l | 43388355 | 54704045 |

## Part II Income and Expense Statement

**2** Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

| | Income | | (a) Amount | (b) Total |
|---|---|---|---|---|
| **a** | **Contributions:** | | | |
| | **(1)** Received or receivable in cash from: **(A)** Employers | 2a(1)(A) | 1920187 | |
| | **(B)** Participants | 2a(1)(B) | 6070239 | |
| | **(C)** Others (including rollovers) | 2a(1)(C) | 1423599 | |
| | **(2)** Noncash contributions | 2a(2) | | |
| | **(3)** Total contributions. Add lines **2a(1)(A), (B), (C),** and line **2a(2)** | 2a(3) | | 9414025 |
| **b** | **Earnings on investments:** | | | |
| | **(1)** Interest: | | | |
| | **(A)** Interest-bearing cash (including money market accounts and certificates of deposit) | 2b(1)(A) | | |
| | **(B)** U.S. Government securities | 2b(1)(B) | | |
| | **(C)** Corporate debt instruments | 2b(1)(C) | | |
| | **(D)** Loans (other than to participants) | 2b(1)(D) | | |
| | **(E)** Participant loans | 2b(1)(E) | 16321 | |
| | **(F)** Other | 2b(1)(F) | | |
| | **(G)** Total interest. Add lines **2b(1)(A)** through **(F)** | 2b(1)(G) | | 16321 |
| | **(2)** Dividends: **(A)** Preferred stock | 2b(2)(A) | | |
| | **(B)** Common stock | 2b(2)(B) | | |
| | **(C)** Registered investment company shares (e.g. mutual funds) | 2b(2)(C) | 1106466 | |
| | **(D)** Total dividends. Add lines **2b(2)(A)**, **(B)**, and **(C)** | 2b(2)(D) | | 1106466 |
| | **(3)** Rents | 2b(3) | | |
| | **(4)** Net gain (loss) on sale of assets: **(A)** Aggregate proceeds | 2b(4)(A) | | |
| | **(B)** Aggregate carrying amount (see instructions) | 2b(4)(B) | | |
| | **(C)** Subtract line **2b(4)(B)** from line **2b(4)(A)** and enter result | 2b(4)(C) | | 0 |
| | **(5)** Unrealized appreciation (depreciation) of assets: **(A)** Real estate | 2b(5)(A) | | |
| | **(B)** Other | 2b(5)(B) | | |
| | **(C)** Total unrealized appreciation of assets. Add lines **2b(5)(A)** and **(B)** | 2b(5)(C) | | 0 |

| | | (a) Amount | (b) Total |
|---|---|---|---|
| (6) Net investment gain (loss) from common/collective trusts | 2b(6) | | |
| (7) Net investment gain (loss) from pooled separate accounts | 2b(7) | | |
| (8) Net investment gain (loss) from master trust investment accounts | 2b(8) | | |
| (9) Net investment gain (loss) from 103-12 investment entities | 2b(9) | | |
| (10) Net investment gain (loss) from registered investment companies (e.g., mutual funds) | 2b(10) | | 6612158 |
| c Other income | 2c | | 512456 |
| d Total income. Add all **income** amounts in column (b) and enter total | 2d | | 17661426 |
| **Expenses** | | | |
| e Benefit payment and payments to provide benefits: | | | |
| (1) Directly to participants or beneficiaries, including direct rollovers | 2e(1) | 6328556 | |
| (2) To insurance carriers for the provision of benefits | 2e(2) | | |
| (3) Other | 2e(3) | | |
| (4) Total benefit payments. Add lines **2e(1)** through **(3)** | 2e(4) | | 6328556 |
| f Corrective distributions (see instructions) | 2f | | 12027 |
| g Certain deemed distributions of participant loans (see instructions) | 2g | | 403 |
| h Interest expense | 2h | | |
| i Administrative expenses: (1) Professional fees | 2i(1) | | |
| (2) Contract administrator fees | 2i(2) | | |
| (3) Investment advisory and management fees | 2i(3) | | |
| (4) Other | 2i(4) | 4750 | |
| (5) Total administrative expenses. Add lines **2i(1)** through **(4)** | 2i(5) | | 4750 |
| j Total expenses. Add all **expense** amounts in column (b) and enter total | 2j | | 6345736 |
| **Net Income and Reconciliation** | | | |
| k Net income (loss). Subtract line **2j** from line **2d** | 2k | | 11315690 |
| l Transfers of assets: | | | |
| (1) To this plan | 2l(1) | | 0 |
| (2) From this plan | 2l(2) | | 0 |

## Part III Accountant's Opinion

**3** Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

**a** The attached opinion of an independent qualified public accountant for this plan is (see instructions):

**(1)** [ ] Unqualified **(2)** [ ] Qualified **(3)** [X] Disclaimer **(4)** [ ] Adverse

**b** Did the accountant perform a limited scope audit pursuant to 29 CFR 2520.103-8 and/or 103-12(d)? [X] Yes [ ] No

**c** Enter the name and EIN of the accountant (or accounting firm) below:

**(1)** Name: CLIFTON LARSON ALLEN **(2)** EIN: 41-0746749

**d** The opinion of an independent qualified public accountant is **not attached** because:

**(1)** [ ] This form is filed for a CCT, PSA, or MTIA. **(2)** [ ] It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

## Part IV Compliance Questions

**4** CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l.

During the plan year:

| | | Yes | No | Amount |
|---|---|---|---|---|
| **a** Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.) | 4a | | X | |
| **b** Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.) | 4b | | X | |

| | | | Yes | No | Amount |
|---|---|---|---|---|---|
| c | Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.) | 4c | | X | |
| d | Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.) | 4d | | X | |
| e | Was this plan covered by a fidelity bond? | 4e | X | | 500000 |
| f | Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty? | 4f | | X | |
| g | Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser? | 4g | | X | |
| h | Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser? | 4h | | X | |
| i | Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.) | 4i | X | | |
| j | Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked, and see instructions for format requirements.) | 4j | | X | |
| k | Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC? | 4k | | X | |
| l | Has the plan failed to provide any benefit when due under the plan? | 4l | | X | |
| m | If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.) | 4m | | X | |
| n | If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3. | 4n | | | |

**5a** Has a resolution to terminate the plan been adopted during the plan year or any prior plan year? ☐ Yes ☒ No
If "Yes," enter the amount of any plan assets that reverted to the employer this year _____.

**5b** If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

| **5b(1)** Name of plan(s) | **5b(2)** EIN(s) | **5b(3)** PN(s) |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

**5c** If the plan is a defined benefit plan, is it covered under the PBGC insurance program (See ERISA section 4021.)? ..... ☐ Yes ☐ No ☐ Not determined
If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year_____. (See instructions.)

# SCHEDULE R (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

## Retirement Plan Information

This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code).

▶ **File as an attachment to Form 5500.**

OMB No. 1210-0110

**2017**

**This Form is Open to Public Inspection.**

For calendar plan year 2017 or fiscal plan year beginning 01/01/2017 and ending 12/31/2017

**A** Name of plan
TOWER RESEARCH CAPITAL GROUP 401(K) PLAN

**B** Three-digit plan number (PN) ▶ 001

**C** Plan sponsor's name as shown on line 2a of Form 5500
TOWER RESEARCH CAPITAL, LLC

**D** Employer Identification Number (EIN)
13-3994895

## Part I Distributions

**All references to distributions relate only to payments of benefits during the plan year.**

**1** Total value of distributions paid in property other than in cash or the forms of property specified in the instructions ..... **1** 0

**2** Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits):

EIN(s): 57-1198022

**Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.**

**3** Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year ..... **3**

## Part II Funding Information (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)

**4** Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)? ..... ☐ **Yes** ☐ **No** ☐ **N/A**

**If the plan is a defined benefit plan, go to line 8.**

**5** If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. **Date:** Month _____ Day _____ Year _____

**If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.**

**6** **a** Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived) ..... **6a**

**b** Enter the amount contributed by the employer to the plan for this plan year ..... **6b**

**c** Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount) ..... **6c**

**If you completed line 6c, skip lines 8 and 9.**

**7** Will the minimum funding amount reported on line 6c be met by the funding deadline? ..... ☐ **Yes** ☐ **No** ☐ **N/A**

**8** If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change? ..... ☐ **Yes** ☐ **No** ☐ **N/A**

## Part III Amendments

**9** If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box. ..... ☐ **Increase** ☐ **Decrease** ☐ **Both** ☐ **No**

## Part IV ESOPs (see instructions). If this is not a plan described under section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.

**10** Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan? ..... ☐ **Yes** ☐ **No**

**11** **a** Does the ESOP hold any preferred stock? ..... ☐ **Yes** ☐ **No**

**b** If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.) ..... ☐ **Yes** ☐ **No**

**12** Does the ESOP hold any stock that is not readily tradable on an established securities market? ..... ☐ **Yes** ☐ **No**

## Part V Additional Information for Multiemployer Defined Benefit Pension Plans

**13** Enter the following information for each employer that contributed more than 5% of total contributions to the plan during the plan year (measured in dollars). See instructions. *Complete as many entries as needed to report all applicable employers.*

**a** Name of contributing employer

**b** EIN **c** Dollar amount contributed by employer

**d** Date collective bargaining agreement expires *(If employer contributes under more than one collective bargaining agreement, check box* ☐ *and see instructions regarding required attachment. Otherwise, enter the applicable date.)* Month _____ Day _____ Year _____

**e** Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify):

---

**a** Name of contributing employer

**b** EIN **c** Dollar amount contributed by employer

**d** Date collective bargaining agreement expires *(If employer contributes under more than one collective bargaining agreement, check box* ☐ *and see instructions regarding required attachment. Otherwise, enter the applicable date.)* Month _____ Day _____ Year _____

**e** Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

**a** Name of contributing employer

**b** EIN **c** Dollar amount contributed by employer

**d** Date collective bargaining agreement expires *(If employer contributes under more than one collective bargaining agreement, check box* ☐ *and see instructions regarding required attachment. Otherwise, enter the applicable date.)* Month _____ Day _____ Year _____

**e** Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

**a** Name of contributing employer

**b** EIN **c** Dollar amount contributed by employer

**d** Date collective bargaining agreement expires *(If employer contributes under more than one collective bargaining agreement, check box* ☐ *and see instructions regarding required attachment. Otherwise, enter the applicable date.)* Month _____ Day _____ Year _____

**e** Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

**a** Name of contributing employer

**b** EIN **c** Dollar amount contributed by employer

**d** Date collective bargaining agreement expires *(If employer contributes under more than one collective bargaining agreement, check box* ☐ *and see instructions regarding required attachment. Otherwise, enter the applicable date.)* Month _____ Day _____ Year _____

**e** Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

**a** Name of contributing employer

**b** EIN **c** Dollar amount contributed by employer

**d** Date collective bargaining agreement expires *(If employer contributes under more than one collective bargaining agreement, check box* ☐ *and see instructions regarding required attachment. Otherwise, enter the applicable date.)* Month _____ Day _____ Year _____

**e** Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

**a** Name of contributing employer

**b** EIN **c** Dollar amount contributed by employer

**d** Date collective bargaining agreement expires *(If employer contributes under more than one collective bargaining agreement, check box* ☐ *and see instructions regarding required attachment. Otherwise, enter the applicable date.)* Month _____ Day _____ Year _____

**e** Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

**14** Enter the number of participants on whose behalf no contributions were made by an employer as an employer of the participant for:

| | | |
|---|---|---|
| **a** The current year | **14a** | |
| **b** The plan year immediately preceding the current plan year | **14b** | |
| **c** The second preceding plan year | **14c** | |

**15** Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:

| | | |
|---|---|---|
| **a** The corresponding number for the plan year immediately preceding the current plan year | **15a** | |
| **b** The corresponding number for the second preceding plan year | **15b** | |

**16** Information with respect to any employers who withdrew from the plan during the preceding plan year:

| | | |
|---|---|---|
| **a** Enter the number of employers who withdrew during the preceding plan year | **16a** | |
| **b** If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers | **16b** | |

**17** If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment. ☐

## Part VI Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans

**18** If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment ☐

**19** If the total number of participants is 1,000 or more, complete lines (a) through (c)

**a** Enter the percentage of plan assets held as:
Stock: _____% Investment-Grade Debt: _____% High-Yield Debt: _____% Real Estate: _____% Other: _____%

**b** Provide the average duration of the combined investment-grade and high-yield debt:
☐ 0-3 years ☐ 3-6 years ☐ 6-9 years ☐ 9-12 years ☐ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more

**c** What duration measure was used to calculate line 19(b)?
☐ Effective duration ☐ Macaulay duration ☐ Modified duration ☐ Other (specify):

# TOWER RESEARCH CAPITAL GROUP 401(K) PLAN

## FINANCIAL STATEMENTS
## AND SUPPLEMENTAL INFORMATION

## YEARS ENDED DECEMBER 31, 2017 AND 2016

**TOWER RESEARCH CAPITAL GROUP 401(K) PLAN**
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CliftonLarsonAllen LLP
CLAconnect.com

# INDEPENDENT AUDITORS' REPORT

Retirement Plan Committee
Tower Research Capital Group 401(k) Plan
New York, New York

## Report on the Financial Statements

We were engaged to audit the accompanying financial statements of Tower Research Capital Group 401(k) Plan (the Plan), which comprise the statements of net assets available for benefits as of December 31, 2017 and 2016, and the related statements of changes in net assets available for benefits for the years then ended, and the related notes to the financial statements.

### *Management's Responsibility for the Financial Statements*

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

### *Auditors' Responsibility*

Our responsibility is to express an opinion on these financial statements based on conducting the audit in accordance with auditing standards generally accepted in the United States of America. Because of the matter described in the *Basis for Disclaimer of Opinion* paragraphs, however, we were not able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion.

### *Basis for Disclaimer of Opinion*

As permitted by 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974, the Plan administrator instructed us not to perform, and we did not perform, any auditing procedures with respect to the information summarized in Note 3 which was certified by Newport Trust Company fka: Verisight Trust Company and Reliance Trust Company, the trustees of the Plan, except for comparing such information with the related information included in the financial statements. We have been informed by the Plan administrator that Reliance Trust Company, the trustee, held the Plan's assets and executed investment transactions as of December 31, 2017 and 2016, for the year ended December 31, 2017, and for the period July 14, 2016 through December 31, 2016 and that Newport Trust Company fka: Verisight Trust Company, the trustee, held the Plan's assets and executed investments transactions for the period January 1, 2016 through July 14, 2016. The Plan administrator has obtained certifications from the trustees as of and for the years ended December 31, 2017 and 2016, that the information provided to the Plan administrator by the trustees is complete and accurate.

***Disclaimer of Opinion***

Because of the significance of the matter described in the *Basis for Disclaimer of Opinion* paragraph, we have not been able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion. Accordingly, we do not express an opinion on these financial statements.

**Other Matter**

The supplemental Schedule of assets (held at end of year) as of December 31, 2017, is required by the Department of Labor's (DOL) Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 and is presented for the purpose of additional analysis and is not a required part of the financial statements. Because of the significance of the matter described in the *Basis for Disclaimer of Opinion* paragraph, we do not express an opinion on the supplemental schedule.

**Report on Form and Content in Compliance with DOL Rules and Regulations**

The form and content of the information included in the financial statements and supplemental schedule, other than that derived from the information certified or provided by the trustees, have been audited by us in accordance with auditing standards generally accepted in the United States of America and, in our opinion, are presented in compliance with the DOL's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974.

CliftonLarsonAllen LLP

**CliftonLarsonAllen LLP**

Baltimore, Maryland
October 11, 2018

**TOWER RESEARCH CAPITAL GROUP 401(K) PLAN**
**STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS**
**DECEMBER 31, 2017 AND 2016**

| | 2017 | 2016 |
|---|---|---|
| **INVESTMENTS (at Fair Value)** | $ 52,204,918 | $ 41,007,802 |
| **RECEIVABLES** | | |
| Employer Contribution | 1,920,187 | 1,781,640 |
| Participants' Contributions | 162,157 | 204,016 |
| Notes Receivable from Participants | 416,783 | 394,897 |
| Total Receivables | 2,499,127 | 2,380,553 |
| **NET ASSETS AVAILABLE FOR BENEFITS** | $ 54,704,045 | $ 43,388,355 |

*See accompanying Notes to Financial Statements.*

**TOWER RESEARCH CAPITAL GROUP 401(K) PLAN**
**STATEMENTS OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS**
**YEARS ENDED DECEMBER 31, 2017 AND 2016**

| | 2017 | 2016 |
|---|---|---|
| **ADDITIONS:** | | |
| **INVESTMENT INCOME** | | |
| Net Appreciation in Fair Value of Investments | $ 6,612,158 | $ 2,543,130 |
| Interest and Dividends | 1,218,831 | 1,025,642 |
| Total Investment Income | 7,830,989 | 3,568,772 |
| **INTEREST INCOME ON NOTES RECEIVABLE FROM PARTICIPANTS** | 16,321 | 9,686 |
| **CONTRIBUTIONS** | | |
| Participants | 6,070,239 | 5,104,001 |
| Employer | 1,920,187 | 1,781,640 |
| Rollovers | 1,423,599 | 1,243,160 |
| Total Contributions | 9,414,025 | 8,128,801 |
| **OTHER INCOME** | - | 7,014 |
| Total Additions | 17,261,335 | 11,714,273 |
| **DEDUCTIONS:** | | |
| **BENEFIT PAYMENTS** | 5,935,428 | 2,683,977 |
| **DEEMED DISTRIBUTIONS** | 5,467 | - |
| **ADMINISTRATIVE EXPENSES** | 4,750 | 17,211 |
| Total Deductions | 5,945,645 | 2,701,188 |
| **NET INCREASE** | 11,315,690 | 9,013,085 |
| **NET ASSETS AVAILABLE FOR BENEFITS:** | | |
| Beginning of Year | 43,388,355 | 34,375,270 |
| End of Year | $ 54,704,045 | $ 43,388,355 |

*See accompanying Notes to Financial Statements.*

## NOTE 1 PLAN DESCRIPTION

The following description of Tower Research Capital Group 401(k) Plan (the Plan) is provided for general information purposes only. Participants should refer to the plan agreement for more complete information.

### General

The Plan is a defined contribution plan originally effective January 1, 2007. The Plan has been amended throughout the years to comply with tax legislation and most recently amended effective July 1, 2016. The Plan is sponsored by Tower Research Capital LLC (the Employer) covering substantially all eligible employees of the Employer and Latour Trading LLC (collectively referred to as the Employer). The Plan excludes union and leased employees and nonresident aliens. The Plan is intended to satisfy all the requirements for a qualified retirement plan under the appropriate provisions of the Internal Revenue Code (the IRC) and similar state tax laws. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (ERISA).

### Eligibility

Employees are eligible to participate in the deferral component of the Plan on the later of their date of employment or upon turning 20 years old. Participants are eligible for the discretionary matching contribution if they meet the eligibility requirements above and are employed on the last day of the Plan year. If an employee terminates during the year due to meeting the normal retirement age, upon death, or upon total and permanent disability then they will still be eligible to receive the matching contribution.

### Contributions

During 2017 and 2016, an employee may make contributions of up to $18,000 of base compensation, and the Employer may make discretionary matching contributions up to 3% of compensation for qualified participants, up to $8,100 and $7,950 in 2017 and 2016, respectively, but not exceeding the employee's contribution to the Plan. After-tax employee contributions can be included in aggregated elective deferrals in calculating the matching contributions. Participants who are 50 years of age or older are permitted to contribute an additional $5,500. All contributions are subject to the maximum amount deductible for federal income tax purposes. The Plan permits after-tax voluntary employee contributions and Roth employee contributions.

Participants may also contribute amounts representing distributions from other qualified defined benefit or defined contribution plans (rollover). Contributions are subject to certain Internal Revenue Service (IRS) limitations.

## NOTE 1 PLAN DESCRIPTION (CONTINUED)

### Participants Accounts

Each participant's account is credited with the participant's contribution and allocations of (a) the Employer's contributions and (b) Plan earnings or losses. Additionally, each participant's account is charged with an allocation of administrative expenses. Allocations are based on participant earnings or account balances, or participant transactions, as defined. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account.

### Vesting

The Employer's contributions are 50% vested after one year of service and 100% vested after two years of service. Employees' contributions are always 100% vested. Employees who terminate on or after the normal retirement age, upon death, or upon total and permanent disability will be 100% vested.

### Forfeitures

Forfeited balances of terminated participants' nonvested accounts are used to reduce future employer contributions. Forfeitures as of December 31, 2017 and 2016 amounted to $50,992 and $24,225, respectively, and will be used to reduce Employer matching contributions. There were $-0- of forfeitures used to reduce Employer matching contributions for the years ended December 31, 2017 and 2016.

### Payment of Benefits

Upon termination of service due to death, disability, or retirement, a participant may elect to receive the value of the vested interest in his or her account in the form of a lump sum distribution. The Plan allows for in-service distributions if a participant reaches age 59½ and hardship distributions, subject to Plan provisions. If a participant terminates employment and the participant's account balance does not exceed $5,000, the Plan administrator will authorize the benefit payment without the participant's consent.

### Notes Receivable from Participants

Participants may borrow from their fund accounts a minimum of $1,000 up to a maximum equal to the lesser of $50,000 or 50% of their vested account balance for terms up to five years or 30 years if for purchase of primary residence. Notes receivable from participants will bear interest at a rate of prime plus 2% if the loan is issued prior to July 1, 2016 and prime plus 1% if the loan is issued after July 1, 2016. Principal and interest are paid ratably through payroll deductions.

## NOTE 2 SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

### Basis of Accounting

The financial statements of the Plan are prepared on the accrual basis of accounting.

### Investment Valuation and Income Recognition

The Plan's investments are reported at fair value. Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. The Retirement Plan Committee determines the Plan's valuation policies utilizing information provided by the investment adviser and trustees. See Note 4 for discussion of fair value measurements.

Purchases and sales of securities are recorded on a trade-date basis. Interest income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date. Net appreciation includes the Plan's gains and losses on investments bought and sold as well as held during the year.

### Use of Estimates

The preparation of financial statements in accordance with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and changes therein, and disclosure of contingent assets and liabilities. Actual results could differ from those estimates.

### Notes Receivable from Participants

Notes receivable from participants are measured at their unpaid principal balance plus any accrued but unpaid interest. Interest income is recorded on the accrual basis. Related fees are recorded as administrative expenses and are expensed when they are incurred. No allowance for credit losses has been recorded as of December 31, 2017 or 2016. Delinquent notes receivable are recorded as distributions on the basis of the terms of the Plan document.

### Benefit Payments

Benefits are recorded when paid.

### Administrative Expenses

Certain expenses of maintaining the Plan are paid directly by the Employer and are excluded from these financial statements. Fees related to the administration of notes receivable from participants and processing of benefit payments are charged directly to the participant's account and are included in administrative expense. Investment related expenses are included in net appreciation of fair value of investments.

### Subsequent Events

The Plan has evaluated subsequent events through October 11, 2018, the date the financial statements were available to be issued.

## NOTE 3 CERTIFICATION OF INVESTMENT INFORMATION

Reliance Trust Company, the trustee of the Plan as of December 31, 2016 and 2017, for the year ended December 31, 2017, and the period July 14, 2016 through December 31, 2016, and Newport Trust Company fka: Verisight Trust Company, the trustee of the Plan for the period January 1, 2016 through July 14, 2016, and have supplied the Plan administrator with certifications as to the completeness and accuracy of all investment information (except for the balance in the self-directed brokerage account of $726,709 and $911,040 as of December 31, 2017 and 2016, respectively), and notes receivable from participants reflected on the accompanying statements of net assets available for benefits as of December 31, 2017 and 2016, and net appreciation in fair value of investments (except for $112,364 and $36,445 of net appreciation related to the self-directed brokerage account as of December 31, 2017 and 2016, respectively), interest and dividends, and interest income on notes receivable from participants reported on the statements of changes in net assets available for benefits for the years then ended, and the supplemental schedule of assets (held at end of year) as of December 31, 2017.

## NOTE 4 FAIR VALUE OF INVESTMENTS

The framework for measuring fair value provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1) and the lowest priority to unobservable inputs (Level 3). The three levels of the fair value hierarchy are described as follows:

*Level 1* – Inputs to the valuation methodology are unadjusted quoted prices for identical assets or liabilities in active markets that the Plan has the ability to access.

*Level 2* – Inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly or indirectly, such as:

- quoted prices for similar assets or liabilities in active markets;
- quoted prices for identical or similar assets or liabilities in inactive markets;
- inputs other than quoted prices that are observable for the asset or liability;
- inputs that are derived principally from or corroborated by observable market data by correlation or other means.

If the asset or liability has a specified (contractual) term, the Level 2 input must be observable for substantially the full term of the asset or liability.

*Level 3* – Inputs to the valuation methodology are unobservable and significant to the fair market value measurement.

The asset or liability's fair value measurement level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. Valuation techniques maximize the use of relevant observable inputs and minimize the use of unobservable inputs.

## NOTE 4 FAIR VALUE OF INVESTMENTS (CONTINUED)

Following is a description of the valuation methodologies used for assets measured at fair value. Money market funds held in the self-directed brokerage account have been reclassified to cash.

*Money Market Funds:* The carrying amount approximates fair value because the instruments are liquid in nature.

*Mutual Funds:* Valued at the daily closing price as reported by the fund. Mutual funds held by the Plan are open-end mutual funds that are registered with the Securities and Exchange Commission. These funds are required to publish their daily net asset value (NAV) and to transact at that price. The mutual funds held by the Plan are deemed to be actively traded.

*Self-Directed Brokerage Account:* Self-directed brokerage accounts consist of cash, common stocks, exchange traded funds (ETFs), and money market funds. Cash is valued based on the fair value by discounting the related cash flows based on current yields of similar instruments with comparable durations considering the credit worthiness of the issuer and are considered to be Level 2 measurements within the fair value hierarchy. Common stock is valued at the closing price reported on the active market on which the individual securities are traded. ETFs are valued at the NAV of units held by the Plan at year-end, in active markets. Common stock, ETFs, and money market funds are considered to be Level 1 measurements within the fair value hierarchy.

The following tables set forth by level, within the fair value hierarchy, the Plan's assets at fair value as of December 31:

| | 2017 | | | |
|---|---|---|---|---|
| | Level 1 | Level 2 | Level 3 | Total |
| Mutual Funds | $ 49,168,054 | $ - | $ - | $ 49,168,054 |
| Money Market Funds | 2,310,155 | - | - | 2,310,155 |
| Self-Directed Brokerage Funds | 634,407 | 92,302 | - | 726,709 |
| Total | $ 52,112,616 | $ 92,302 | $ - | $ 52,204,918 |

| | 2016 | | | |
|---|---|---|---|---|
| | Level 1 | Level 2 | Level 3 | Total |
| Mutual Funds | $ 37,786,607 | $ - | $ - | $ 37,786,607 |
| Money Market Funds | 2,310,155 | - | - | 2,310,155 |
| Self-Directed Brokerage Funds | 672,004 | 239,036 | - | 911,040 |
| Total | $ 40,768,766 | $ 239,036 | $ - | $ 41,007,802 |

## NOTE 5 TAX STATUS

The Plan adopted a Prototype Non-Standardized Profit Sharing arrangement, which required a favorable opinion letter from the IRS dated July 16, 2014, which stated that the form of the prototype plan was designed in accordance with the applicable section of the IRC. The Plan administrator believes that the Plan is designed and is currently being operated in compliance with the applicable requirements of the IRC. Therefore, no provision for income taxes has been included in the Plan's financial statements.

Accounting principles generally accepted in the United States of America require Plan management to evaluate tax positions taken by the Plan and recognize a tax liability (or asset) if the Plan has taken an uncertain position that more likely than not would not be sustained upon examination by the IRS. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress.

## NOTE 6 PLAN TERMINATION

Although it has not expressed any intent to do so, the Employer has the right under the Plan to discontinue contributions at any time and to terminate the Plan subject to the provisions of ERISA. In the event of Plan termination, the participants would become 100% vested in their Employer contributions.

## NOTE 7 RISK AND UNCERTAINTIES

The Plan invests in various investment securities. Investment securities are exposed to various risks such as interest rate, market, and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of the investment securities will occur in the near term and that such changes could materially affect participants' account balances and the amounts reported in the statements of net assets available for benefits.

## NOTE 8 PARTY-IN-INTEREST TRANSACTIONS

Newport Group, Inc., was the trustee of the Plan for the period January 1, 2016 through July 14, 2016. Reliance Trust Company, was the trustee of the Plan as of for the year ended December 31, 2017 and for the period July 14, 2016 through December 31, 2016. Newport Group, Inc. and Reliance Trust Company are the trustees as defined by the Plan and, therefore, the investment transactions qualify as party-in-interest transactions. Fees incurred by the Plan for the investment management services are included in net appreciation in fair value of the investment. These party-in-interest transactions are exempt from the prohibited transaction rules of ERISA.

**TOWER RESEARCH CAPITAL GROUP 401(K) PLAN**
**E.I.N. 13-3994895 PLAN NO. 001**
**SCHEDULE H, LINE 4i—SCHEDULE OF ASSETS (HELD AT END OF YEAR)**
**DECEMBER 31, 2017**

| (a) | (b) | (c) | (d) | (e) |
|---|---|---|---|---|
| | Identity of Issuer, Borrower, Lessor or Similar Party | Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value | Cost ** | Current Value |
| | Vanguard | Vanguard Target Retirement 2050 - Inv | | $ 214,839 |
| | Vanguard | Vanguard Mid Cap Index Fund - Adm | | 927,755 |
| | Vanguard | Vanguard Target Retirement 2040 - Inv | | 335,012 |
| | PIMCO Investments | PIMCO Commodity Real Ret Strategy - Instl | | 524,094 |
| | Vanguard | Vanguard Institutional Index - Inst | | 9,228,341 |
| | PIMCO Investments | PIMCO Foreign Bond USD - Hedged | | 215,723 |
| | Vanguard | Vangaurd Target Retirement Inc- Inv | | 29,386 |
| | Vanguard | Vanguard Total Bond Market Index - Adm | | 630,288 |
| | Vanguard | Vanguard Target Retirement 2045 - Inv | | 9,879,093 |
| | Vanguard | Vanguard Inflation Protected Securities - Adm | | 750,488 |
| | Vanguard | Vanguard Target Retirement 2035 - Inv | | 5,221,107 |
| | Vanguard | Vanguard Intermediate Term Treasury Fund - Adm | | 323,521 |
| | Vanguard | Vanguard Target Retirement 2055 - Inv | | 3,337,667 |
| | T. Rowe Price | T. Rowe Price High Yield Fund | | 1,738,731 |
| | Vanguard | Vanguard Small Cap Index - Admr | | 1,822,027 |
| | Vanguard | Vanguard Target Retirement 2025 - Inv | | 753,958 |
| | Vanguard | Vanguard Target Retirement 2015 - Inv | | 95,514 |
| | Dimensional Fund Advisors | DFA Five Year Global Fixed Income I | | 547,610 |
| | Dimensional Fund Advisors | DFA International Value Portfolio | | 240,172 |
| | Dodge & Cox | Dodge & Cox International Stock Fund | | 835,239 |
| | Vanguard | Vanguard Target Retirement 2020 - Inv | | 16,477 |
| | Vanguard | Vanguard Real Estate Index Fund Admr | | 1,841,389 |
| | Vanguard | Vanguard Target Retirement 2030 - Inv | | 31,124 |
| | Vanguard | Vanguard Target Retirement 2060 - Inv | | 201,724 |
| | Vanguard | Vanguard Treasury Money Market Fund | | 2,279,078 |
| | TIAA Investments | TIAA-CREF International Equity Index Inst | | 1,003,569 |
| | Dimensional Fund Advisors | DFA International Real Estate Sec Inst | | 203,857 |
| | Vanguard | Vanguard Small Cap Value Index - Adm | | 1,037,530 |
| | Vanguard | Vanguard Growth Index Fund - Adm | | 1,411,811 |
| | Vanguard | Vanguard Value Index Fund - Adm | | 2,197,960 |
| | Vanguard | Vanguard Small Cap Growth Index - Adm | | 84,115 |
| | Dimensional Fund Advisors | DFA Emerging Markets Core Equity - I | | 2,437,169 |
| | T. Rowe Price | T. Rowe Price International Discovery Fund | | 1,081,841 |
| | ADP | Self-Directed Brokerage Account | | 726,709 |
| | | | | 52,204,918 |
| * | Participants | Participant Loans<br>Interest Rates Ranging from 4.50% - 5.50%,<br>Various Maturity Dates | - | 416,783 |
| | | | | $ 52,621,701 |

* *Represents a party-in-interest*
** *Cost omitted for participant-directed accounts*

Schedule C, Line 2(h) Formula Description

*For those service providers listed on Line 2 for which Line 2(h) has been checked "yes":*

For a description of indirect compensation received by service providers listed on Line 2 that was disclosed as a formula, please see Line 3(e). Please note: If indirect compensation disclosed as a formula was received by a service provider from more than one source, there will be multiple Lines 3(e) for that service provider.

# SCHEDULE H (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

# Financial Information

This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code).

▶ **File as an attachment to Form 5500.**

OMB No. 1210-0110

**2017**

**This Form is Open to Public Inspection**

For calendar plan year 2017 or fiscal plan year beginning and ending

| | |
|---|---|
| **A** Name of plan | **B** Three-digit plan number (PN) ▶ |
| **C** Plan sponsor's name as shown on line 2a of Form 5500 | **D** Employer Identification Number (EIN) |

## Part I Asset and Liability Statement

**1** Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. **Round off amounts to the nearest dollar.** MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.

| Assets | | (a) Beginning of Year | (b) End of Year |
|---|---|---|---|
| **a** Total noninterest-bearing cash | 1a | | |
| **b** Receivables (less allowance for doubtful accounts): | | | |
| **(1)** Employer contributions | 1b(1) | | |
| **(2)** Participant contributions | 1b(2) | | |
| **(3)** Other | 1b(3) | | |
| **c** General investments: | | | |
| **(1)** Interest-bearing cash (include money market accounts & certificates of deposit) | 1c(1) | | |
| **(2)** U.S. Government securities | 1c(2) | | |
| **(3)** Corporate debt instruments (other than employer securities): | | | |
| **(A)** Preferred | 1c(3)(A) | | |
| **(B)** All other | 1c(3)(B) | | |
| **(4)** Corporate stocks (other than employer securities): | | | |
| **(A)** Preferred | 1c(4)(A) | | |
| **(B)** Common | 1c(4)(B) | | |
| **(5)** Partnership/joint venture interests | 1c(5) | | |
| **(6)** Real estate (other than employer real property) | 1c(6) | | |
| **(7)** Loans (other than to participants) | 1c(7) | | |
| **(8)** Participant loans | 1c(8) | | |
| **(9)** Value of interest in common/collective trusts | 1c(9) | | |
| **(10)** Value of interest in pooled separate accounts | 1c(10) | | |
| **(11)** Value of interest in master trust investment accounts | 1c(11) | | |
| **(12)** Value of interest in 103-12 investment entities | 1c(12) | | |
| **(13)** Value of interest in registered investment companies (e.g., mutual funds) | 1c(13) | | |
| **(14)** Value of funds held in insurance company general account (unallocated contracts) | 1c(14) | | |
| **(15)** Other | 1c(15) | | |

| | | | **(a)** Beginning of Year | **(b)** End of Year |
|---|---|---|---|---|
| **1d** | Employer-related investments: | | | |
| | **(1)** Employer securities | **1d(1)** | | |
| | **(2)** Employer real property | **1d(2)** | | |
| **e** | Buildings and other property used in plan operation | **1e** | | |
| **f** | Total assets (add all amounts in lines 1a through 1e) | **1f** | | |
| | **Liabilities** | | | |
| **g** | Benefit claims payable | **1g** | | |
| **h** | Operating payables | **1h** | | |
| **i** | Acquisition indebtedness | **1i** | | |
| **j** | Other liabilities | **1j** | | |
| **k** | Total liabilities (add all amounts in lines 1g through1j) | **1k** | | |
| | **Net Assets** | | | |
| **l** | Net assets (subtract line 1k from line 1f) | **1l** | | |

## Part II Income and Expense Statement

**2** Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

| | **Income** | | **(a)** Amount | **(b)** Total |
|---|---|---|---|---|
| **a** | **Contributions:** | | | |
| | **(1)** Received or receivable in cash from: **(A)** Employers | **2a(1)(A)** | | |
| | **(B)** Participants | **2a(1)(B)** | | |
| | **(C)** Others (including rollovers) | **2a(1)(C)** | | |
| | **(2)** Noncash contributions | **2a(2)** | | |
| | **(3)** Total contributions. Add lines **2a(1)(A), (B), (C),** and line **2a(2)** | **2a(3)** | | |
| **b** | **Earnings on investments:** | | | |
| | **(1)** Interest: | | | |
| | **(A)** Interest-bearing cash (including money market accounts and certificates of deposit) | **2b(1)(A)** | | |
| | **(B)** U.S. Government securities | **2b(1)(B)** | | |
| | **(C)** Corporate debt instruments | **2b(1)(C)** | | |
| | **(D)** Loans (other than to participants) | **2b(1)(D)** | | |
| | **(E)** Participant loans | **2b(1)(E)** | | |
| | **(F)** Other | **2b(1)(F)** | | |
| | **(G)** Total interest. Add lines **2b(1)(A)** through **(F)** | **2b(1)(G)** | | |
| | **(2)** Dividends: **(A)** Preferred stock | **2b(2)(A)** | | |
| | **(B)** Common stock | **2b(2)(B)** | | |
| | **(C)** Registered investment company shares (e.g. mutual funds) | **2b(2)(C)** | | |
| | **(D)** Total dividends. Add lines **2b(2)(A)**, **(B)**, and **(C)** | **2b(2)(D)** | | |
| | **(3)** Rents | **2b(3)** | | |
| | **(4)** Net gain (loss) on sale of assets: **(A)** Aggregate proceeds | **2b(4)(A)** | | |
| | **(B)** Aggregate carrying amount (see instructions) | **2b(4)(B)** | | |
| | **(C)** Subtract line **2b(4)(B)** from line **2b(4)(A)** and enter result | **2b(4)(C)** | | |
| | **(5)** Unrealized appreciation (depreciation) of assets: **(A)** Real estate | **2b(5)(A)** | | |
| | **(B)** Other | **2b(5)(B)** | | |
| | **(C)** Total unrealized appreciation of assets. Add lines **2b(5)(A)** and **(B)** | **2b(5)(C)** | | |

| | | (a) Amount | (b) Total |
|---|---|---|---|
| **(6)** Net investment gain (loss) from common/collective trusts | 2b(6) | | |
| **(7)** Net investment gain (loss) from pooled separate accounts | 2b(7) | | |
| **(8)** Net investment gain (loss) from master trust investment accounts | 2b(8) | | |
| **(9)** Net investment gain (loss) from 103-12 investment entities | 2b(9) | | |
| **(10)** Net investment gain (loss) from registered investment companies (e.g., mutual funds) | 2b(10) | | |
| **c** Other income | 2c | | |
| **d** Total income. Add all **income** amounts in column (b) and enter total | 2d | | |
| **Expenses** | | | |
| **e** Benefit payment and payments to provide benefits: | | | |
| **(1)** Directly to participants or beneficiaries, including direct rollovers | 2e(1) | | |
| **(2)** To insurance carriers for the provision of benefits | 2e(2) | | |
| **(3)** Other | 2e(3) | | |
| **(4)** Total benefit payments. Add lines **2e(1)** through **(3)** | 2e(4) | | |
| **f** Corrective distributions (see instructions) | 2f | | |
| **g** Certain deemed distributions of participant loans (see instructions) | 2g | | |
| **h** Interest expense | 2h | | |
| **i** Administrative expenses: **(1)** Professional fees | 2i(1) | | |
| **(2)** Contract administrator fees | 2i(2) | | |
| **(3)** Investment advisory and management fees | 2i(3) | | |
| **(4)** Other | 2i(4) | | |
| **(5)** Total administrative expenses. Add lines **2i(1)** through **(4)** | 2i(5) | | |
| **j** Total expenses. Add all **expense** amounts in column (b) and enter total | 2j | | |
| **Net Income and Reconciliation** | | | |
| **k** Net income (loss). Subtract line **2j** from line **2d** | 2k | | |
| **l** Transfers of assets: | | | |
| **(1)** To this plan | 2l(1) | | |
| **(2)** From this plan | 2l(2) | | |

## Part III Accountant's Opinion

**3** Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

**a** The attached opinion of an independent qualified public accountant for this plan is (see instructions):

**(1)** ☐ Unqualified **(2)** ☐ Qualified **(3)** ☐ Disclaimer **(4)** ☐ Adverse

**b** Did the accountant perform a limited scope audit pursuant to 29 CFR 2520.103-8 and/or 103-12(d)? ☐ Yes ☐ No

**c** Enter the name and EIN of the accountant (or accounting firm) below:

**(1)** Name: **(2)** EIN:

**d** The opinion of an independent qualified public accountant is **not attached** because:

**(1)** ☐ This form is filed for a CCT, PSA, or MTIA. **(2)** ☐ It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

## Part IV Compliance Questions

**4** CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l.

During the plan year:

| | | Yes | No | Amount |
|---|---|---|---|---|
| **a** Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.) | 4a | | | |
| **b** Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.) | 4b | | | |

| | | | Yes | No | Amount |
|---|---|---|---|---|---|
| **c** | Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.) | **4c** | | | |
| **d** | Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.) | **4d** | | | |
| **e** | Was this plan covered by a fidelity bond? | **4e** | | | |
| **f** | Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty? | **4f** | | | |
| **g** | Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser? | **4g** | | | |
| **h** | Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser? | **4h** | | | |
| **i** | Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.) | **4i** | | | |
| **j** | Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked, and see instructions for format requirements.) | **4j** | | | |
| **k** | Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC? | **4k** | | | |
| **l** | Has the plan failed to provide any benefit when due under the plan? | **4l** | | | |
| **m** | If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.) | **4m** | | | |
| **n** | If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3. | **4n** | | | |

**5a** Has a resolution to terminate the plan been adopted during the plan year or any prior plan year? ☐ Yes ☐ No

If "Yes," enter the amount of any plan assets that reverted to the employer this year _____.

**5b** If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

| **5b(1)** Name of plan(s) | **5b(2)** EIN(s) | **5b(3)** PN(s) |
|---|---|---|
| | | |
| | | |
| | | |
| | | |

**5c** If the plan is a defined benefit plan, is it covered under the PBGC insurance program (See ERISA section 4021.)? ..... ☐ Yes ☐ No ☐ Not determined

If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year_____. (See instructions.)

**Attachment to 2017 Form 5500**
**Schedule H, line 4i - Schedule of Assets (Held at End of Year)**

**Plan Name** TOWER RESEARCH CAPITAL GROUP 401(K) PLAN **EIN:** 13-3994895
**Plan Sponsor's Name** TOWER RESEARCH CAPITAL, LLC **PN:** 001

| (a) | (b) Identity of issue, borrower, lessor, or similar party | (c) Description of investment including maturity date, rate of interest, collateral, par, or maturity value. | (d) Cost | (e) Current value |
|---|---|---|---|---|
| | PARTICIPANT LOANS | INTEREST RATES ( 4.50% TO 5.50%) | | 416,783 |
| | VAN TARGET RETIRE 2050 - INV | REGISTERED INVESTMENT COMPANY | | 214,839 |
| | VANGUARD MID CAP INDEX - ADM | REGISTERED INVESTMENT COMPANY | | 927,755 |
| | VAN TARGET RETIRE 2040 - INV | REGISTERED INVESTMENT COMPANY | | 335,012 |
| | PIMCO COMM RL RET STR - INSTL | REGISTERED INVESTMENT COMPANY | | 524,094 |
| | VAN INSTITUTIONAL IDX - INST | REGISTERED INVESTMENT COMPANY | | 9,228,341 |
| | PIMCO FOREIGN BOND USD HDGD I | REGISTERED INVESTMENT COMPANY | | 215,723 |

**Attachment to 2017 Form 5500**
**Schedule H, line 4i - Schedule of Assets (Held at End of Year)**

**Plan Name** TOWER RESEARCH CAPITAL GROUP 401(K) PLAN **EIN:** 13-3994895
**Plan Sponsor's Name** TOWER RESEARCH CAPITAL, LLC **PN:** 001

| (a) | (b) Identity of issue, borrower, lessor, or similar party | (c) Description of investment including maturity date, rate of interest, collateral, par, or maturity value. | (d) Cost | (e) Current value |
|---|---|---|---|---|
| | VAN TARGET RETIRE INC - INV | REGISTERED INVESTMENT COMPANY | | 29,386 |
| | VANGUARD TOT BND MKT IND- ADM | REGISTERED INVESTMENT COMPANY | | 630,288 |
| | VAN TARGET RETIRE 2045 - INV | REGISTERED INVESTMENT COMPANY | | 9,879,093 |
| | VAN INFL PROTECTED SEC - ADMR | REGISTERED INVESTMENT COMPANY | | 750,488 |
| | VAN TARGET RETIRE 2035 - INV | REGISTERED INVESTMENT COMPANY | | 5,221,107 |
| | VANGUARD INT TERM TREAS - ADM | REGISTERED INVESTMENT COMPANY | | 323,521 |
| | VAN TARGET RETIRE 2055 | REGISTERED INVESTMENT COMPANY | | 3,337,667 |

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|---|---|---|---|---|
| | TROWE PRICE HIGH YIELD FUND | REGISTERED INVESTMENT COMPANY | | 1,738,731 |
| | VANGUARD SMALL CAP INDEX ADMRL | REGISTERED INVESTMENT COMPANY | | 1,822,027 |
| | VAN TARGET RETIRE 2025 - INV | REGISTERED INVESTMENT COMPANY | | 753,958 |
| | VAN TARGET RETIRE 2015 - INV | REGISTERED INVESTMENT COMPANY | | 95,514 |
| | DFA FIVE YR GLOB FIXED INC I | REGISTERED INVESTMENT COMPANY | | 547,610 |
| | DFA INTERNATIONAL VALUE PORT I | REGISTERED INVESTMENT COMPANY | | 240,172 |
| | DODGE & COX INTERNATIONAL STK | REGISTERED INVESTMENT COMPANY | | 835,239 |

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|---|---|---|---|---|
| | VAN TARGET RETIRE 2020 - INV | REGISTERED INVESTMENT COMPANY | | 16,477 |
| | VANGUARD REAL ESTATE INDEX ADM | REGISTERED INVESTMENT COMPANY | | 1,841,389 |
| | VAN TARGET RETIRE 2030 - INV | REGISTERED INVESTMENT COMPANY | | 31,124 |
| | VAN TARG RETIRE 2060 - INV | REGISTERED INVESTMENT COMPANY | | 201,724 |
| | VANGUARD TREASURY MONEY MARKET | REGISTERED INVESTMENT COMPANY | | 2,279,078 |
| | TIAA-CREF INT EQ INDEX INST | REGISTERED INVESTMENT COMPANY | | 1,003,569 |
| | DFA INTL REAL ESTATE SEC INST | REGISTERED INVESTMENT COMPANY | | 203,858 |

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|---|---|---|---|---|
| | VANGUARD SM CAP VAL INDEX ADM | REGISTERED INVESTMENT COMPANY | | 1,037,530 |
| | VANGUARD GROWTH INDEX FUND ADM | REGISTERED INVESTMENT COMPANY | | 1,411,811 |
| | VANGUARD VALUE INDEX FUND ADMR | REGISTERED INVESTMENT COMPANY | | 2,197,960 |
| | VANGUARD SM CP GR IDX -ADMIRAL | REGISTERED INVESTMENT COMPANY | | 84,115 |
| | DFA EMG MKT CORE EQ - I | REGISTERED INVESTMENT COMPANY | | 2,437,166 |
| | TROWE PRICE INTL DISC FUND | REGISTERED INVESTMENT COMPANY | | 1,081,841 |
| | SELF-DIRECTED BROKERAGE ACCT | BROKERAGE FUND OPTIONS | | 726,709 |