

SUPPLEMENTAL OPERATING
AND FINANCIAL DATA
For the Year Ended December 31, 2017

## VORNADO <br> REALTY TRUST

## VORNADO <br> REALTY TRUST

INDEX

|  | Page |
| :---: | :---: |
| Financial Supplement Definitions | 3 |
| Investor Information | 4 |
| 2017 Business Developments | 5-7 |
| Common Shares Data | 8 |
| Financial Highlights | 9 |
| Components of Net Asset Value | 10-11 |
| Net Income (Loss) Attributable to Common Shareholders (Consolidated and by Segment) | 12-15 |
| Net Operating Income at Share | 16-18 |
| Consolidated Balance Sheets | 19 |
| Capital Structure | 20 |
| Debt Analysis and Debt Maturities | 21-22 |
| Unconsolidated Joint Ventures | 23-25 |
| Square Footage | 26 |
| Top 30 Tenants | 27 |
| Lease Expirations | 28-30 |
| Leasing Activity | 31-33 |
| Occupancy, Same Store NOI and NOI - Cash Basis and Residential Statistics | 34 |
| Development/Redevelopment Summary | 35 |
| Capital Expenditures | 36-40 |
| Property Table | 41-51 |
| Appendix: Non-GAAP Reconciliations |  |
| Net Income to Net Income, as Adjusted | i |
| Net Income to Funds From Operations to Funds From Operations, as Adjusted | ii - iii |
| Funds From Operations to Funds Available for Distribution | iv |
| Net Income to Net Operating Income at Share | v |
| Net Operating Income at Share Components | vi |
| Net Operating Income at Share by Region | vii |
| Net Operating Income at Share to Same Store Net Operating Income at Share | viii - x |
| Net Operating Income at Share - Cash Basis to Same Store Net Operating Income at Share - Cash Basis | xi - xiii |
| Our Pro Rata Share of Annualized Revenues / Consolidated Debt, Net to Contractual Debt | $x i v$ |
| Certain statements contained herein constitute forward-looking statements as such term is defined in Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. Forward-looking statements are not guarantees of performance. They represent our intentions, plans, expectations and beliefs and are subject to numerous assumptions, risks and uncertainties. Our future results, financial condition and business may differ materially from those expressed in these forward-looking statements. You can find many of these statements by looking for words such as "approximates," "believes," "expects," "anticipates," "estimates," "intends," "plans," "would," "may" or other similar expressions in this supplemental package. We also note the following forward-looking statements: in the case of our development and redevelopment projects, the estimated completion date, estimated project cost and cost to complete; and estimates of future capital expenditures, dividends to common and preferred shareholders and operating partnership distributions. Many of the factors that will determine the outcome of these and our other forward-looking statements are beyond our ability to control or predict. For further discussion of factors that could materially affect the outcome of our forward-looking statements, see "Item 1A. Risk Factors" in our Annual Report on Form 10-K for the year ended December 31, 2017. For these statements, we claim the protection of the safe harbor for forward-looking statements contained in the Private Securities Litigation Reform Act of 1995. You are cautioned not to place undue reliance on our forward-looking statements, which speak only as of the date of this supplemental package. All subsequent written and oral forward-looking statements attributable to us or any person acting on our behalf are expressly qualified in their entirety by the cautionary statements contained or referred to in this section. We do not undertake any obligation to release publicly any revisions to our forward-looking statements to reflect events or circumstances occurring after the date of our Annual |  | Report on Form 10-K, or Quarterly Report on Form 10-Q, as applicable, and this supplemental package.

## VORNADO <br> REALTY TRUST

## FINANCIAL SUPPLEMENT DEFINITIONS

The financial supplement includes various non-GAAP financial measures. Descriptions of these non-GAAP measures are provided below. Reconciliations of these non-GAAP measures to the most directly comparable GAAP measures are provided in Appendix: Non-GAAP Reconciliations

Net Operating Income ("NOI") - NOI represents total revenues less operating expenses. We consider NOI to be the primary non-GAAP financial measure for making decisions and assessing the unlevered performance of our segments as it relates to the total return on assets as opposed to the levered return on equity. As properties are bought and sold based on NOI, we utilize this measure to make investment decisions as well as to compare the performance of our assets to that of our peers. NOI should not be considered a substitute for net income. NOI may not be comparable to similarly titled measures employed by other companies. We calculate NOI on an Operating Partnership basis which is before allocation to the noncontrolling interest of the Operating Partnership.

Funds From Operations ("FFO") - FFO is computed in accordance with the definition adopted by the Board of Governors of the National Association of Real Estate Investment Trusts ("NAREIT"). NAREIT defines FFO as GAAP net income or loss adjusted to exclude net gains from sales of depreciated real estate assets, real estate impairment losses, depreciation and amortization expense from real estate assets and other specified non-cash items, including the pro rata share of such adjustments of unconsolidated subsidiaries. FFO and FFO per diluted share are non-GAAP financial measures used by management, investors and analysts to facilitate meaningful comparisons of operating performance between periods and among our peers because it excludes the effect of real estate depreciation and amortization and net gains on sales, which are based on historical costs and implicitly assume that the value of real estate diminishes predictably over time, rather than fluctuating based on existing market conditions. FFO does not represent cash generated from operating activities and is not necessarily indicative of cash available to fund cash requirements and should not be considered as an alternative to net income as a performance measure or cash flow as a liquidity measure. FFO may not be comparable to similarly titled measures employed by other companies.

Funds Available For Distribution ("FAD") - FAD is defined as FFO less (i) cash basis recurring tenant improvements, leasing commissions and capital expenditures, (ii) straight-line rents and amortization of acquired below-market leases, net, and (iii) other non-cash income, plus (iv) other non-cash charges. FAD is a non-GAAP financial measure that is not intended to represent cash flow and is not indicative of cash flow provided by operating activities as determined in accordance with GAAP. FAD is presented solely as a supplemental disclosure that management believes provides useful information regarding the Company's ability to fund its dividends.

Net Asset Value ("NAV") - Net Asset Value ("NAV") means the sum of the estimated values of our New York Office, New York Retail, New York Residential, theMART and 555 California Street assets, calculated by dividing pro forma 2017 cash basis NOI by the Cap Rate applicable to each group, plus other estimated asset values minus liabilities as of December 31, 2017. "NAV per share" means NAV divided by the number of Vornado common shares outstanding on an OP basis as of December 31, 2017. NAV may not be equivalent to enterprise value, and NAV per share may not be equivalent to an appropriate trading price for Vornado common shares. NAV per share is not a representation or guarantee that our common shares will or should trade at this amount, that a shareholder would be able to realize this amount in selling our common shares, that a third party would offer the estimated NAV per share in an offer to purchase all or substantially all of our common shares, that we would actually receive the estimated NAV for the applicable asset or assets upon a sale of those assets, or that a shareholder would receive distributions per share equal to the estimated NAV per share upon sale or liquidation. Investors should not rely on the NAV per share as being an accurate measure of the fair market value of our common shares.

The terms NAV and NAV per share may not be comparable to similar measures presented by others. We consider NAV and NAV per share to be useful supplemental measures which assist both management and investors in estimating the fair value of Vornado. The calculation of NAV and NAV per share involves significant estimates and can be made using various methods. Each individual investor should review our calculation of NAV and NAV per share and make its own determination as to whether the methodology, assumptions and estimates we used to arrive at NAV and NAV per share are appropriate, or whether such investor should use an alternative methodology to perform its own calculations.

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## INVESTOR INFORMATION

## Executive Officers:

Steven Roth
David R. Greenbaum
Michael J. Franco
Joseph Macnow

Chairman of the Board and Chief Executive Officer
President - New York Division
Executive Vice President - Chief Investment Officer
Executive Vice President - Chief Financial Officer and Chief Administrative Officer

RESEARCH COVERAGE - EQUITY

| James Feldman/Kimberly Hong | Jed Reagan/Daniel Ismail | Michael Lewis |
| :---: | :---: | :---: |
| Bank of America/Merrill Lynch | Green Street Advisors | SunTrust Robinson Humphrey |
| 646-855-5808/646-556-3329 | 949-640-8780 | 212-319-5659 |
| Ross Smotrich/Trevor Young | Anthony Paolone | Nick Yulico/Frank Lee |
| Barclays Capital | JP Morgan | UBS |
| 212-526-2306/212-526-3098 | 212-622-6682 | 212-713-3402/415-352-5679 |
| Michael Bilerman/Emmanuel Korchman | Vikram Malhotra/Nicholas Stelzner |  |
| Citi | Morgan Stanley |  |
| 212-816-1383/212-816-1382 | 212-761-7064/212-761-6117 |  |
| Vincent Chao/Mike Husseini | Alexander Goldfarb/Daniel Santos |  |
| Deutsche Bank | Sandler O'Neill |  |
| 212-250-6799/212-250-7703 | 212-466-7937/212-466-7927 |  |
| Steve Sakwa/Robert Simone | John W. Guinee/Aaron Wolf |  |
| Evercore ISI | Stifel Nicolaus \& Company |  |
| 212-446-9462/212-446-9459 | 443-224-1307/443-224-1206 |  |
| RESEARCH COVERAGE - DEBT |  |  |


| Andrew Molloy | Jesse Rosenthal <br> Bank of America/Merrill Lynch | CreditSights |
| :--- | :--- | :--- |
| $646-855-6435$ | $212-340-3816$ | $\underline{\text { Wells Fargo Securities }}$ |
| Mark Streeter | Cristina Rosenberg | $704-410-3262$ |
| JP Morgan | $\underline{\text { Citi }}$ |  |
| $212-834-5086$ | $212-723-6199$ |  |

This information is provided as a service to interested parties and not as an endorsement of any report, or representation as to the accuracy of any information contained therein Opinions, forecasts and other forward-looking statements expressed in analysts' reports are subject to change without notice.

## VORNADO

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## 2017 BUSINESS DEVELOPMENTS

## Washington, DC Spin-off

On July 17, 2017, we completed the spin-off of our Washington, DC segment comprised of (i) 37 office properties totaling over 11.1 million square feet, five multifamily properties with 3,133 units and five other assets totaling approximately 406,000 square feet and (ii) 18 future development assets totaling over 10.4 million square feet of estimated potential development density, and (iii) $\$ 412.5$ million of cash ( $\$ 275.0$ million plus The Bartlett financing proceeds less transaction costs and other mortgage items) to JBG SMITH Properties ("JBGS"). On July 18, 2017, JBGS was combined with the management business and certain Washington, DC assets of The JBG Companies ("JBG"), a Washington, DC real estate company. Steven Roth, the Chairman of the Board of Trustees and Chief Executive Officer of Vornado, is the Chairman of the Board of Trustees of JBGS. Mitchell Schear, former President of our Washington, DC business, is a member of the Board of Trustees of JBGS. We are providing transition services to JBGS initially including information technology, financial reporting and payroll services. The spin-off was effected through a tax-free distribution by Vornado to the holders of Vornado common shares of all of the common shares of JBGS at the rate of one JBGS common share for every two common shares of Vornado and the distribution by the Operating Partnership to the holders of its common units of all of the outstanding common units of JBG SMITH Properties LP ("JBGSLP") at the rate of one JBGSLP common unit for every two common units of VRLP held of record. See JBGS' Amendment No. 3 on Form 10 (File No. 1-37994) filed with the Securities and Exchange Commission on June 9, 2017 for additional information. Beginning in the third quarter of 2017, the historical financial results of our Washington, DC segment are reflected in our consolidated financial statements as discontinued operations for all periods presented.

## Financing Activities

On June 1, 2017, Alexander's, Inc. ("Alexander's") (NYSE: ALX), in which we have a $32.4 \%$ ownership interest, completed a $\$ 500,000,000$ refinancing of the office portion of 731 Lexington Avenue. The interest-only loan is at LIBOR plus $0.90 \%(2.38 \%$ at December 31, 2017) and matures in June 2020 with four one-year extension options. In connection therewith, Alexander's purchased an interest rate cap with a notional amount of $\$ 500,000,000$ that caps LIBOR at a rate of $6.00 \%$. The property was previously encumbered by a $\$ 300,000,000$ interest-only mortgage at LIBOR plus $0.95 \%$ which was scheduled to mature in March 2021.

On June 15, 2017, the joint venture, in which we have a $50.1 \%$ interest, completed a $\$ 271,000,000$ loan facility for the Moynihan Office Building, of which $\$ 210,269,000$ is outstanding at December 31, 2017. The interest-only loan is at LIBOR plus $3.25 \%(4.64 \%$ at December 31, 2017) and matures in June 2019 with two one-year extension options.

On June 20, 2017, we completed a $\$ 220,000,000$ financing of The Bartlett residential building. The five-year interest-only loan is at LIBOR plus $1.70 \%$, and matures in June 2022. On July 17, 2017, the property, the loan and the $\$ 217,000,000$ of net proceeds were transferred to JBGS in connection with the tax-free spin-off of our Washington, DC segment.

On July 17, 2017, prior to completion of the tax-free spin-off of our Washington, DC segment, we repaid the $\$ 43,581,000$ LIBOR plus $1.25 \%$ mortgage encumbering 1700 and 1730 M Street which was scheduled to mature in August 2017. The unencumbered property was then transferred to JBGS in connection with the tax-free spin-off of our Washington, DC segment.

On July 19, 2017, the joint venture, in which we have a $25.0 \%$ interest, completed a $\$ 500,000,000$ refinancing of 330 Madison Avenue, an 845,000 square foot Manhattan office building. The seven-year interest-only loan matures in August 2024 and has a fixed rate of $3.43 \%$. Our share of net proceeds, after repayment of the existing $\$ 150,000,000$ LIBOR plus $1.30 \%$ mortgage and closing costs, was approximately $\$ 85,000,000$.

On July 27, 2017, Vornado Capital Partners Real Estate Fund ("Fund"), in which we have a $25.0 \%$ ownership interest, completed a $\$ 100,000,000$ loan facility for the refinancing of 1100 Lincoln Road, a 130,000 square foot retail and theater property in Miami, Florida. The loan is interest-only at LIBOR plus 2.40\% (3.76\% at December 31, 2017), matures in July 2020 with two one-year extension options. At closing, the fund drew $\$ 82,750,000$, and subject to property performance, may borrow up to $\$ 17,250,000$ of additional proceeds within the first 18 months of the loan term. The property was previously encumbered by a $\$ 66,000,000$ interest-only mortgage at LIBOR plus $2.25 \%$ which was scheduled to mature in August 2017.

## VORNADO

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## 2017 BUSINESS DEVELOPMENTS

## Financing Activities - continued

On August 23, 2017, the joint venture, in which we have a $50.0 \%$ interest, completed a $\$ 1.2$ billion refinancing of 280 Park Avenue, a $1,250,000$ square foot Manhattan office building. The loan is interest-only at LIBOR plus $1.73 \%$ ( $3.16 \%$ at December 31, 2017) and matures in September 2019 with five one-year extension options. Our share of net proceeds, after repayment of the existing $\$ 900,000,000$ LIBOR plus $2.00 \%$ mortgage and closing costs, was approximately $\$ 140,000,000$

On October 17, 2017, we extended one of our two $\$ 1.25$ billion unsecured revolving credit facilities from November 2018 to January 2022 with two six-month extension options. The interest rate on the extended facility was lowered from LIBOR plus $1.05 \%$ to LIBOR plus $1.00 \%$. The interest rate and facility fees are the same as our other $\$ 1.25$ billion unsecured revolving credit facility, which matures in February 2021 with two six-month extension options.

On December 13, 2017, the joint venture, in which we have a $50.0 \%$ interest, completed a $\$ 20,000,000$ refinancing of 50 West 57 th Street, an 81,000 square foot Manhattan office building. The loan is interest-only at LIBOR plus $1.60 \%$ ( $3.06 \%$ at December 31, 2017) and matures in December 2022. The new loan replaced the existing $\$ 20,000,000$ mortgage which had a fixed rate of $3.50 \%$.

On December 27, 2017, we completed a public offering of $\$ 450,000,0003.50 \%$ senior unsecured notes due January 15,2025 . The interest rate on the senior unsecured notes will be payable semi-annually on January 15 and July 15, commencing July 15, 2018. The notes were sold at $99.596 \%$ of their face amount to yield $3.565 \%$.

On December 27, 2017, we redeemed all of the $\$ 450,000,000$ principal amount of our outstanding $2.50 \%$ senior unsecured notes which were scheduled to mature on June 30 , 2019 , at a redemption price of approximately $100.71 \%$ of the principal amount plus accrued interest through the date of redemption. In connection therewith, we expensed $\$ 4,836,000$ of debt prepayment costs and wrote-off unamortized deferred financing costs which are included in "interest and debt expense" on our consolidated statements of income.

In December 2017, we sold $12,780,0005.25 \%$ Series M cumulative redeemable preferred shares at a price of $\$ 25.00$ per share in an underwritten public offering pursuant to an effective registration statement. We received aggregate net proceeds of $\$ 309,609,000$, after underwriters' discounts and issuance costs and contributed the net proceeds to the Operating Partnership in exchange for $12,780,0005.25 \%$ Series M preferred units (with economic terms that mirror those of the Series M preferred shares). Dividends on the Series $M$ preferred shares/units are cumulative and payable quarterly in arrears. The Series M preferred shares/units are not convertible into, or exchangeable for, any of our properties or securities. On or after five years from the date of issuance (or sooner under limited circumstances), we may redeem the Series M preferred shares/units at a redemption price of $\$ 25.00$ per share, plus accrued and unpaid dividends through the date of redemption. The Series M preferred shares/units have no maturity date and will remain outstanding indefinitely unless redeemed by us.

In December 2017, we called for redemption of all of the outstanding $6.625 \%$ Series G and $6.625 \%$ Series I cumulative redeemable preferred shares/units. As a result, as of December 31, 2017, we reclassed the $6.625 \%$ Series $G$ and $6.625 \%$ Series I cumulative redeemable preferred shares/units from shareholder's equity/partner's capital to liabilities on our consolidated balance sheets. On January 4, 2018, we redeemed all of the outstanding $6.625 \%$ Series $G$ cumulative redeemable preferred shares/units at their redemption price of $\$ 25.00$ per share/unit, or $\$ 200,000,000$ in the aggregate, plus accrued and unpaid dividends/distributions through the date of redemption. On January 4 and 11 , 2018, we redeemed $6,000,000$ shares/units and $4,800,000$ shares/units, respectively, representing all of the outstanding $6.625 \%$ Series I cumulative redeemable preferred shares/units at their redemption price of $\$ 25.00$ per share/unit, or $\$ 270,000,000$ in the aggregate, plus accrued and unpaid dividends/distributions through the date of redemption. Upon redemption of both series, we expensed $\$ 14,486,000$ of issuance costs, which will be included in the quarter ended March 31, 2018 consolidated statements of income.

## VORNADO <br> REALTY TRUST

## 2017 BUSINESS DEVELOPMENTS

## Acquisition Activity

## Moynihan Office Building

A joint venture in which we have a $50.1 \%$ ownership interest is redeveloping the historic Farley Post Office building which will include a new Moynihan Train Hall and approximately 850,000 rentable square feet of commercial space, comprised of approximately 730,000 square feet of office space and approximately 120,000 square feet of retail space. On June 15, 2017, the joint venture closed a 99-year, triple-net lease with Empire State Development ("ESD") for the commercial space at the Moynihan Office Building and made a $\$ 230,000,000$ upfront contribution, of which our share is $\$ 115,230,000$, towards the construction of the train hall. The lease calls for annual rent payments of $\$ 5,000,000$ plus payments in lieu of real estate taxes.

The joint venture has also entered into a development agreement with ESD and a design-build contract with Skanska Moynihan Train Hall Builders. Under the development agreement with ESD, the joint venture is obligated to build the Moynihan Train Hall, with Vornado and Related Companies ("Related") each guaranteeing the joint venture's obligations. Under the design-build agreement, Skanska Moynihan Train Hall Builders is obligated to fulfill all of the joint venture's obligations. The obligations of Skanska Moynihan Train Hall Builders have been bonded by Skanska USA and bears a full guaranty from Skanska AB.

## Disposition Activities

Mezzanine Loan - New York
On May 9, 2017, a $\$ 150,000,000$ mezzanine loan owned by a joint venture in which we had a $33.3 \%$ ownership interest was repaid at its maturity and we received our $\$ 50,000,000$ share. The mezzanine loan earned interest at LIBOR plus $9.42 \%$.

## Sterling Suffolk Racecourse, LLC ("Suffolk Downs JV")

On May 26, 2017, Sterling Suffolk Racecourse, LLC, a joint venture in which we have a $21.2 \%$ equity interest, sold the property comprising the Suffolk Downs racetrack in East Boston, Massachusetts for $\$ 155,000,000$, which resulted in net proceeds and a net gain to us of $\$ 15,314,000$. In addition, we were repaid $\$ 29,318,000$ of principal and $\$ 6,129,000$ of accrued interest on our debt investments in Suffolk Downs JV, resulting in a net gain of \$11,373,000.

## 800 Corporate Pointe

On September 29, 2017, the Fund completed the sale of 800 Corporate Pointe in Culver City, CA for $\$ 148,000,000$. From the inception of this investment through its disposition, the Fund realized a $\$ 35,620,000$ net gain

India Real Estate Ventures
During 2017, India Property Fund, in which we had a $36.5 \%$ interest, sold its investments. Our share of the aggregate sales price was approximately $\$ 23,895,000$ which resulted in a financial statement loss of $\$ 533,000$. In addition, on December 28, 2017, we sold our 25\% interest in TCG Urban Infrastructure Holdings Private Limited for $\$ 18,742,000$ which resulted in a financial statement gain of $\$ 1,885,000$, which substantially completes the disposition of our investments in India.

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## COMMON SHARES DATA (NYSE: VNO)

(unaudited)

Vornado Realty Trust common shares are traded on the New York Stock Exchange ("NYSE") under the symbol VNO. Below is a summary of performance and dividends for VNO common shares (based on NYSE prices):

|  | Fourth Quarter 2017 |  |  | Third Quarter 2017 |  |  | Second Quarter 2017 |  | First Quarter 2017 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| High price | \$ | 80.30 | (1) | \$ | 97.25 |  | \$ | 103.35 | \$ | 111.72 |
| Low price | \$ | 71.90 | (1) | \$ | 72.77 | (1) | \$ | 91.18 | \$ | 98.51 |
| Closing price - end of quarter | \$ | 78.18 | (1) | \$ | 76.88 | (1) | \$ | 93.90 | \$ | 100.31 |
| Annualized dividend per share | \$ | 2.40 | (1) | \$ | 2.40 | (1) | \$ | 2.84 | \$ | 2.84 |
| JBGS annualized dividend per share |  | 0.45 | (2) |  | 0.45 | (2) |  | - |  | - |
|  | \$ | 2.85 |  | \$ | 2.85 |  | \$ | 2.84 | \$ | 2.84 |
|  |  |  |  |  |  |  |  |  |  |  |
| Annualized dividend yield - on closing price |  | 3.1\% |  |  | 3.1\% |  |  | 3.0\% |  | 2.8\% |
|  |  |  |  |  |  |  |  |  |  |  |
| Outstanding shares, Class A units and convertible preferred units as converted, excluding stock options (in thousands) |  | 203,198 |  |  | 203,138 |  |  | 202,518 |  | 202,453 |
|  |  |  |  |  |  |  |  |  |  |  |
| Closing market value of outstanding shares, Class A units and convertible preferred units as converted, excluding stock options | \$ | 15.9 Billion |  | \$ | 15.6 Billion |  | \$ | 19.0 Billion | \$ | 20.3 Billion |

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FINANCIAL HIGHLIGHTS
(unaudited and in thousands, except per share amounts)


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## COMPONENTS OF NET ASSET VALUE (AT SHARE)

(unaudited and in millions, except square feet and per share amounts)

|  | Year Ended December 31, 2017 |  |  |  |  |  | Cap Rate |  | Value ${ }^{(1)}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | NOI - cash basis |  | Less: BMS |  | Pro-forma NOI - cash basis |  |  |  |  |  |
| New York - Office | \$ | 679 | \$ | (24) | \$ | 655 |  | 4.50\% | \$ | 14,556 |
| New York - Retail |  | 324 |  | - |  | 324 |  | 4.25\% |  | 7,624 |
| New York - Residential |  | 22 |  | - |  | 22 |  | 3.50\% |  | 629 |
| theMART |  | 99 |  | - |  | 99 |  | 5.00\% |  | 1,980 |
| 555 California Street |  | 45 |  | - |  | 45 | ${ }^{(2)}$ | N/A |  | 1,260 |
|  | \$ | 1,169 | \$ | (24) | \$ | 1,145 |  |  |  | 26,049 |
| Less: Market management fee ( $28,565,000$ square feet in service at share at $\$ 0.50$ per square foot) at a $4.50 \%$ cap rate |  |  |  |  |  |  |  |  |  | 317 |
|  |  |  |  |  |  |  |  |  | \$ | 25,732 |
| Other Asset Values: |  |  |  |  |  |  |  |  |  |  |
| Cash, restricted cash and marketable securities ${ }^{(3)}$ |  |  |  |  |  |  |  |  | \$ | 1,618 |
| 220 CPS - incremental value after repayment of debt and taxes |  |  |  |  |  |  |  | 900 |  |  |
| Less: Dividends paid to common shareholders |  |  |  |  |  |  |  | (170) |  |  |
|  |  |  |  |  |  |  |  |  |  | 730 |
| ALX - 1,654,068 shares at $\$ 395.85$ per share (as of December 31, 2017) |  |  |  |  |  |  |  |  |  | 655 |
| Hotel Pennsylvania |  |  |  |  |  |  |  |  |  | 500 |
| BMS (2017 NOI of \$24 at a $7.0 \times$ multiple) |  |  |  |  |  |  |  |  |  | 168 |
| UE - 5,717,184 shares at $\$ 25.49$ per share (as of December 31, 2017) |  |  |  |  |  |  |  |  |  | 146 |
| Real estate fund investments (VNO's share at fair value) |  |  |  |  |  |  |  |  |  | 99 |
| PEI-6,250,000 shares at $\$ 11.89$ per share (as of December 31, 2017) |  |  |  |  |  |  |  |  |  | 74 |
| Other assets |  |  |  |  |  |  |  |  |  | 1,011 |
| Other construction in progress (at 110\% of book value) |  |  |  |  |  |  |  |  |  | 135 |
|  |  |  |  |  |  |  |  |  | \$ | 5,136 |
|  |  |  |  |  |  |  |  |  |  |  |
| Liabilities (see following page) |  |  |  |  |  |  |  |  | \$ | 11,268 |
|  |  |  |  |  |  |  |  |  |  |  |
| NAV |  |  |  |  |  |  |  |  | \$ | 19,600 |
| NAV per share |  |  |  |  |  |  |  |  |  |  |
| (203.2 million common shares outstanding on an OP basis as of December 31, 2017) |  |  |  |  |  |  |  |  | \$ | 96 |

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## COMPONENTS OF NET ASSET VALUE (AT SHARE)

(unaudited and in millions)

|  | Liabilities |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Q4 2017 |  | Adjustments |  |  | Net |  |
| Consolidated contractual mortgage notes payable, net of noncontrolling interests' share | \$ | 7,602 |  | \$ | $(950){ }^{(4)}$ | \$ | 6,652 |
| Non-consolidated real estate debt |  | 2,834 | (5) |  | $(699){ }^{(6)}$ |  | 2,135 |
| Corporate unsecured debt |  | 850 |  |  | - |  | 850 |
| Revolver/term loan |  | 750 |  |  | $(750)^{(4)}$ |  | - |
| Other liabilities |  | 706 |  |  | - |  | 706 |
| Perpetual preferred (at redemption value) |  | 1,395 |  |  | $(470){ }^{(3)}$ |  | 925 |
| Total Liabilities | \$ | 14,137 |  | \$ | $(2,869)$ | \$ | 11,268 |


 estimates accurately reflect the fair value of our assets, and actual value may differ materially.
(2) Excludes incremental NOI from the lease-up of 315 and 345 Montgomery Street.
(3) Pro-forma taking into consideration the January 2018 redemption of our Series G and Series I preferred shares for $\$ 470$.
(4) Debt related to 220 Central Park South
(5) Excludes our share of debt of ALX, UE, and PEI as they are presented on an equity basis in other asset values.
(6) 666 Fifth Avenue Office Condominium.

## VORNADO <br> REALTY TRUST

CONSOLIDATED NET INCOME (LOSS) ATTRIBUTABLE TO COMMON SHAREHOLDERS

| (unaudited and in thousands) | Three Months Ended |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | December 31, |  |  |  |  |  | September 30, 2017 |  |
|  | 2017 |  | 2016 |  | Inc (Dec) |  |  |  |
| Property rentals | \$ | 419,970 | \$ | 388,810 | \$ | 31,160 | \$ | 411,838 |
| Straight-lining of rents |  | 8,040 |  | 23,195 |  | $(15,155)$ |  | 9,170 |
| Amortization of acquired below-market leases, net |  | 11,345 |  | 11,185 |  | 160 |  | 11,054 |
| Total property rentals |  | 439,355 |  | 423,190 |  | 16,165 |  | 432,062 |
| Tenant expense reimbursements |  | 59,333 |  | 58,732 |  | 601 |  | 63,401 |
| Fee and other income: |  |  |  |  |  |  |  |  |
| BMS cleaning fees |  | 28,218 |  | 24,769 |  | 3,449 |  | 26,429 |
| Management and leasing fees |  | 2,705 |  | 2,549 |  | 156 |  | 2,330 |
| Lease termination fees |  | 2,224 |  | 1,647 |  | 577 |  | 991 |
| Other income |  | 4,391 |  | 3,087 |  | 1,304 |  | 3,542 |
| Total revenues |  | 536,226 |  | 513,974 |  | 22,252 |  | 528,755 |
| Operating expenses |  | 225,011 |  | 218,020 |  | 6,991 |  | 225,226 |
| Depreciation and amortization |  | 114,166 |  | 104,640 |  | 9,526 |  | 104,972 |
| General and administrative |  | 36,838 |  | 36,957 |  | (119) |  | 36,261 |
| Acquisition and transaction related costs |  | 703 |  | 2,754 |  | $(2,051)$ |  | 61 |
| Total expenses |  | 376,718 |  | 362,371 |  | 14,347 |  | 366,520 |
| Operating income |  | 159,508 |  | 151,603 |  | 7,905 |  | 162,235 |
| Income (loss) from partially owned entities |  | 9,622 |  | 165,056 |  | $(155,434)$ |  | $(41,801)$ |
| Income (loss) from real estate fund investments |  | 4,889 |  | $(52,352)$ |  | 57,241 |  | $(6,308)$ |
| Interest and other investment income, net |  | 9,993 |  | 9,427 |  | 566 |  | 9,306 |
| Interest and debt expense |  | $(93,073)$ |  | $(80,206)$ |  | $(12,867)$ |  | $(85,068)$ |
| Net gains on disposition of wholly owned and partially owned assets |  | - |  | 208 |  | (208) |  | - |
| Income before income taxes |  | 90,939 |  | 193,736 |  | $(102,797)$ |  | 38,364 |
| Income tax (expense) benefit |  | $(38,661)$ |  | 1,692 |  | $(40,353)$ |  | $(1,188)$ |
| Income from continuing operations |  | 52,278 |  | 195,428 |  | $(143,150)$ |  | 37,176 |
| Income (loss) from discontinued operations |  | 1,273 |  | 509,116 |  | $(507,843)$ |  | $(47,930)$ |
| Net income (loss) |  | 53,551 |  | 704,544 |  | $(650,993)$ |  | $(10,754)$ |
| Less net (income) loss attributable to noncontrolling interests in: |  |  |  |  |  |  |  |  |
| Consolidated subsidiaries |  | $(7,366)$ |  | 5,010 |  | $(12,376)$ |  | $(4,022)$ |
| Operating Partnership |  | $(1,853)$ |  | $(42,244)$ |  | 40,391 |  | 1,878 |
| Net income (loss) attributable to Vornado |  | 44,332 |  | 667,310 |  | $(622,978)$ |  | $(12,898)$ |
| Preferred share dividends |  | $(17,013)$ |  | $(16,129)$ |  | (884) |  | $(16,128)$ |
| Net income (loss) attributable to common shareholders | \$ | 27,319 | \$ | 651,181 | \$ | $(623,862)$ | \$ | $(29,026)$ |
| Capitalized expenditures: |  |  |  |  |  |  |  |  |
| Leasing payroll | \$ | 1,749 | \$ | 1,215 | \$ | 534 | \$ | 1,280 |
| Development payroll |  | 1,710 |  | 1,718 |  | (8) |  | 1,495 |
| Interest and debt expense |  | 13,251 |  | 8,833 |  | 4,418 |  | 12,584 |

## VORNADO <br> REALTY TRUST

## CONSOLIDATED NET INCOME ATTRIBUTABLE TO COMMON SHAREHOLDERS

| (unaudited and in thousands) | Year Ended December 31, |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2017 |  | 2016 |  | Inc (Dec) |  |
| Property rentals | \$ | 1,629,753 | \$ | 1,488,321 | \$ | 141,432 |
| Straight-lining of rents |  | 39,096 |  | 121,923 |  | $(82,827)$ |
| Amortization of acquired below-market leases, net |  | 46,103 |  | 51,849 |  | $(5,746)$ |
| Total property rentals |  | 1,714,952 |  | 1,662,093 |  | 52,859 |
| Tenant expense reimbursements |  | 233,424 |  | 221,563 |  | 11,861 |
| Fee and other income: |  |  |  |  |  |  |
| BMS cleaning fees |  | 104,143 |  | 93,425 |  | 10,718 |
| Management and leasing fees |  | 10,087 |  | 8,243 |  | 1,844 |
| Lease termination fees |  | 8,171 |  | 8,770 |  | (599) |
| Other income |  | 13,349 |  | 9,648 |  | 3,701 |
| Total revenues |  | 2,084,126 |  | 2,003,742 |  | 80,384 |
| Operating expenses |  | 886,596 |  | 844,566 |  | 42,030 |
| Depreciation and amortization |  | 429,389 |  | 421,023 |  | 8,366 |
| General and administrative |  | 158,999 |  | 149,550 |  | 9,449 |
| Acquisition and transaction related costs |  | 1,776 |  | 9,451 |  | $(7,675)$ |
| Total expenses |  | 1,476,760 |  | 1,424,590 |  | 52,170 |
| Operating income |  | 607,366 |  | 579,152 |  | 28,214 |
| Income from partially owned entities |  | 15,200 |  | 168,948 |  | $(153,748)$ |
| Income (loss) from real estate fund investments |  | 3,240 |  | $(23,602)$ |  | 26,842 |
| Interest and other investment income, net |  | 37,793 |  | 29,548 |  | 8,245 |
| Interest and debt expense |  | $(345,654)$ |  | $(330,240)$ |  | $(15,414)$ |
| Net gains on disposition of wholly owned and partially owned assets |  | 501 |  | 160,433 |  | $(159,932)$ |
| Income before income taxes |  | 318,446 |  | 584,239 |  | $(265,793)$ |
| Income tax expense |  | $(41,090)$ |  | $(7,229)$ |  | $(33,861)$ |
| Income from continuing operations |  | 277,356 |  | 577,010 |  | $(299,654)$ |
| (Loss) income from discontinued operations |  | $(13,228)$ |  | 404,912 |  | $(418,140)$ |
| Net income |  | 264,128 |  | 981,922 |  | $(717,794)$ |
| Less net income attributable to noncontrolling interests in: |  |  |  |  |  |  |
| Consolidated subsidiaries |  | $(25,802)$ |  | $(21,351)$ |  | $(4,451)$ |
| Operating Partnership |  | $(10,910)$ |  | $(53,654)$ |  | 42,744 |
| Net income attributable to Vornado |  | 227,416 |  | 906,917 |  | $(679,501)$ |
| Preferred share dividends |  | $(65,399)$ |  | $(75,903)$ |  | 10,504 |
| Preferred share issuance costs (Series J redemption) |  | - |  | $(7,408)$ |  | 7,408 |
| Net income attributable to common shareholders | \$ | 162,017 | \$ | 823,606 | \$ | $(661,589)$ |
| Capitalized expenditures: |  |  |  |  |  |  |
| Leasing payroll | \$ | 5,243 | \$ | 7,352 | \$ | $(2,109)$ |
| Development payroll |  | 6,044 |  | 7,067 |  | $(1,023)$ |
| Interest and debt expense |  | 48,230 |  | 30,343 |  | 17,887 |

## VORNADO

REALTY TRUST

## NET INCOME (LOSS) ATTRIBUTABLE TO COMMON SHAREHOLDERS BY SEGMENT

(unaudited and in thousands)
We have reclassified our $49.5 \%$ interest in 666 Fifth Avenue Office Condominium from "New York" to "Other" in all periods presented because we do not intend to hold this asset on a long-term basis.

On December 1, 2016 we were repaid the 85 Tenth Avenue mezzanine loans and we received a $49.9 \%$ equity interest in the property. In 2017 , our $49.9 \%$ equity interest in the property is included in the "New York" segment. In 2016, our investment in 85 Tenth Avenue mezzanine loans was included in the "Other" segment.

|  | Three Months Ended December 31, 2017 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total |  | New York |  | Other |  |
| Property rentals | \$ | 419,970 | \$ | 354,943 | \$ | 65,027 |
| Straight-lining of rents |  | 8,040 |  | 7,661 |  | 379 |
| Amortization of acquired below-market leases, net |  | 11,345 |  | 11,046 |  | 299 |
| Total property rentals |  | 439,355 |  | 373,650 |  | 65,705 |
| Tenant expense reimbursements |  | 59,333 |  | 52,556 |  | 6,777 |
| Fee and other income: |  |  |  |  |  |  |
| BMS cleaning fees |  | 28,218 |  | 30,091 |  | $(1,873)$ |
| Management and leasing fees |  | 2,705 |  | 2,006 |  | 699 |
| Lease termination fees |  | 2,224 |  | 2,182 |  | 42 |
| Other income |  | 4,391 |  | 2,112 |  | 2,279 |
| Total revenues |  | 536,226 |  | 462,597 |  | 73,629 |
| Operating expenses |  | 225,011 |  | 195,421 |  | 29,590 |
| Depreciation and amortization |  | 114,166 |  | 92,122 |  | 22,044 |
| General and administrative |  | 36,838 |  | 8,567 |  | 28,271 |
| Acquisition and transaction related costs |  | 703 |  | - |  | 703 |
| Total expenses |  | 376,718 |  | 296,110 |  | 80,608 |
| Operating income (loss) |  | 159,508 |  | 166,487 |  | $(6,979)$ |
| Income from partially owned entities |  | 9,622 |  | 8,141 |  | 1,481 |
| Income from real estate fund investments |  | 4,889 |  | - |  | 4,889 |
| Interest and other investment income, net |  | 9,993 |  | 1,480 |  | 8,513 |
| Interest and debt expense |  | $(93,073)$ |  | $(63,024)$ |  | $(30,049)$ |
| Income (loss) before income taxes |  | 90,939 |  | 113,084 |  | $(22,145)$ |
| Income tax expense |  | $(38,661)$ |  | $(1,118)$ |  | $(37,543)$ |
| Income (loss) from continuing operations |  | 52,278 |  | 111,966 |  | $(59,688)$ |
| Income from discontinued operations |  | 1,273 |  | - |  | 1,273 |
| Net income (loss) |  | 53,551 |  | 111,966 |  | $(58,415)$ |
| Less net income atrributable to noncontrolling interests in: |  |  |  |  |  |  |
| Consolidated subsidiaries |  | $(7,366)$ |  | $(2,790)$ |  | $(4,576)$ |
| Operating Partnership |  | $(1,853)$ |  | - |  | $(1,853)$ |
| Net income (loss) attributable to Vornado |  | 44,332 |  | 109,176 |  | (64,844) |
| Preferred share dividends |  | $(17,013)$ |  | - |  | $(17,013)$ |
| Net income (loss) attributable to common shareholders for the three months ended December 31, 2017 | \$ | 27,319 | \$ | 109,176 | \$ | (81,857) |
| Net income attributable to common shareholders for the three months ended December 31, 2016 | \$ | 651,181 | \$ | 121,168 | \$ | 530,013 |

## VORNADO

REALTY TRUST

## NET INCOME (LOSS) ATTRIBUTABLE TO COMMON SHAREHOLDERS BY SEGMENT

(unaudited and in thousands)

|  | Year Ended December 31, 2017 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total |  | New York |  | Other |  |
| Property rentals | \$ | 1,629,753 | \$ | 1,361,140 | \$ | 268,613 |
| Straight-lining of rents |  | 39,096 |  | 30,651 |  | 8,445 |
| Amortization of acquired below-market leases, net |  | 46,103 |  | 44,781 |  | 1,322 |
| Total property rentals |  | 1,714,952 |  | 1,436,572 |  | 278,380 |
| Tenant expense reimbursements |  | 233,424 |  | 207,620 |  | 25,804 |
| Fee and other income: |  |  |  |  |  |  |
| BMS cleaning fees |  | 104,143 |  | 110,986 |  | $(6,843)$ |
| Management and leasing fees |  | 10,087 |  | 8,599 |  | 1,488 |
| Lease termination fees |  | 8,171 |  | 7,955 |  | 216 |
| Other income |  | 13,349 |  | 7,575 |  | 5,774 |
| Total revenues |  | 2,084,126 |  | 1,779,307 |  | 304,819 |
| Operating expenses |  | 886,596 |  | 756,670 |  | 129,926 |
| Depreciation and amortization |  | 429,389 |  | 344,875 |  | 84,514 |
| General and administrative |  | 158,999 |  | 40,197 |  | 118,802 |
| Acquisition and transaction related costs |  | 1,776 |  | - |  | 1,776 |
| Total expenses |  | 1,476,760 |  | 1,141,742 |  | 335,018 |
| Operating income (loss) |  | 607,366 |  | 637,565 |  | $(30,199)$ |
| Income (loss) from partially owned entities |  | 15,200 |  | 29,559 |  | $(14,359)$ |
| Income from real estate fund investments |  | 3,240 |  | - |  | 3,240 |
| Interest and other investment income, net |  | 37,793 |  | 5,864 |  | 31,929 |
| Interest and debt expense |  | $(345,654)$ |  | $(242,875)$ |  | $(102,779)$ |
| Net gains on disposition of wholly owned and partially owned assets |  | 501 |  | - |  | 501 |
| Income (loss) before income taxes |  | 318,446 |  | 430,113 |  | $(111,667)$ |
| Income tax expense |  | $(41,090)$ |  | $(1,442)$ |  | $(39,648)$ |
| Income (loss) from continuing operations |  | 277,356 |  | 428,671 |  | $(151,315)$ |
| Loss from discontinued operations |  | $(13,228)$ |  | - |  | $(13,228)$ |
| Net income (loss) |  | 264,128 |  | 428,671 |  | $(164,543)$ |
| Less net income attributable to noncontrolling interests in: |  |  |  |  |  |  |
| Consolidated subsidiaries |  | $(25,802)$ |  | $(10,831)$ |  | $(14,971)$ |
| Operating Partnership |  | $(10,910)$ |  | - |  | $(10,910)$ |
| Net income (loss) attributable to Vornado |  | 227,416 |  | 417,840 |  | $(190,424)$ |
| Preferred share dividends |  | $(65,399)$ |  | - |  | $(65,399)$ |
| Net income (loss) attributable to common shareholders for the year ended December 31, 2017 | \$ | 162,017 | \$ | 417,840 | \$ | $(255,823)$ |
| Net income attributable to common shareholders for the year ended December 31, 2016 | \$ | 823,606 | \$ | 587,793 | \$ | 235,813 |

## VORNADO

REALTY TRUST

## NET OPERATING INCOME AT SHARE BY SEGMENT

(unaudited and in thousands)

|  | For the Three Months Ended December 31, 2017 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total |  | New York |  | Other |  |
| Total revenues | \$ | 536,226 | \$ | 462,597 | \$ | 73,629 |
| Operating expenses |  | 225,011 |  | 195,421 |  | 29,590 |
| NOI - consolidated |  | 311,215 |  | 267,176 |  | 44,039 |
| Deduct: NOI attributable to noncontrolling interests in consolidated subsidiaries |  | $(16,533)$ |  | $(11,648)$ |  | $(4,885)$ |
| Add: Our share of NOI from partially owned entities |  | 69,175 |  | 48,700 |  | 20,475 |
| NOI at share |  | 363,857 |  | 304,228 |  | 59,629 |
| Non-cash adjustments for straight-line rents, amortization of acquired below-market leases, net and other |  | $(21,579)$ |  | $(21,441)$ |  | (138) |
| NOI at share - cash basis | \$ | 342,278 | \$ | 282,787 | \$ | 59,491 |


|  | For the Three Months Ended December 31, 2016 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total |  | New York |  | Other |  |
| Total revenues | \$ | 513,974 | \$ | 443,910 | \$ | 70,064 |
| Operating expenses |  | 218,020 |  | 182,762 |  | 35,258 |
| NOI - consolidated |  | 295,954 |  | 261,148 |  | 34,806 |
| Deduct: NOI attributable to noncontrolling interests in consolidated subsidiaries |  | $(16,083)$ |  | $(11,829)$ |  | $(4,254)$ |
| Add: Our share of NOI from partially owned entities |  | 75,142 |  | 41,465 |  | 33,677 |
| NOI at share |  | 355,013 |  | 290,784 |  | 64,229 |
| Non-cash adjustments for straight-line rents, amortization of acquired below-market leases, net and other |  | $(36,370)$ |  | $(29,547)$ |  | $(6,823)$ |
| NOI at share - cash basis | \$ | 318,643 | \$ | 261,237 | \$ | 57,406 |
|  | For the Three Months Ended September 30, 2017 |  |  |  |  |  |
|  | Total |  | New York |  | Other |  |
| Total revenues | \$ | 528,755 | \$ | 453,609 | \$ | 75,146 |
| Operating expenses |  | 225,226 |  | 192,430 |  | 32,796 |
| NOI - consolidated |  | 303,529 |  | 261,179 |  | 42,350 |
| Deduct: NOI attributable to noncontrolling interests in consolidated subsidiaries |  | $(16,171)$ |  | $(11,464)$ |  | $(4,707)$ |
| Add: Our share of NOI from partially owned entities |  | 66,876 |  | 48,779 |  | 18,097 |
| NOI at share |  | 354,234 |  | 298,494 |  | 55,740 |
| Non-cash adjustments for straight-line rents, amortization of acquired below-market leases, net and other |  | $(22,307)$ |  | $(21,092)$ |  | $(1,215)$ |
| NOI at share - cash basis | \$ | 331,927 | \$ | 277,402 | \$ | 54,525 |

See appendix page vi for details of net operating income components.

## VORNADO <br> REALTY TRUST

## NET OPERATING INCOME AT SHARE BY SEGMENT

## (unaudited and in thousands)

|  | 017 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total |  | New York |  | Other |  |
| Total revenues | \$ | 2,084,126 | \$ | 1,779,307 | \$ | 304,819 |
| Operating expenses |  | 886,596 |  | 756,670 |  | 129,926 |
| NOI - consolidated |  | 1,197,530 |  | 1,022,637 |  | 174,893 |
| Deduct: NOI attributable to noncontrolling interests in consolidated subsidiaries |  | $(65,311)$ |  | $(45,899)$ |  | $(19,412)$ |
| Add: Our share of NOI from partially owned entities |  | 269,164 |  | 189,327 |  | 79,837 |
| NOI at share |  | 1,401,383 |  | 1,166,065 |  | 235,318 |
| Non-cash adjustments for straight-line rents, amortization of acquired below-market leases, net and other |  | $(86,842)$ |  | $(79,202)$ |  | $(7,640)$ |
| NOI at share - cash basis | \$ | 1,314,541 | \$ | 1,086,863 | \$ | 227,678 |


|  | For the Year Ended December 31, 2016 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total |  | New York |  | Other |  |
| Total revenues | \$ | 2,003,742 | \$ | 1,713,374 | \$ | 290,368 |
| Operating expenses |  | 844,566 |  | 716,754 |  | 127,812 |
| NOI - consolidated |  | 1,159,176 |  | 996,620 |  | 162,556 |
| Deduct: NOI attributable to noncontrolling interests in consolidated subsidiaries |  | $(66,182)$ |  | $(47,480)$ |  | $(18,702)$ |
| Add: Our share of NOI from partially owned entities |  | 271,114 |  | 159,386 |  | 111,728 |
| NOI at share |  | 1,364,108 |  | 1,108,526 |  | 255,582 |
| Non-cash adjustments for straight-line rents, amortization of acquired below-market leases, net and other |  | $(170,477)$ |  | $(143,239)$ |  | $(27,238)$ |
| NOI at share - cash basis | \$ | $\underline{\text { 1,193,631 }}$ | \$ | 965,287 | \$ | $\underline{228,344}$ |

[^2]
## VORNADO

REALTY TRUST

## NET OPERATING INCOME AT SHARE BY SUBSEGMENT

## (unaudited and in thousands)

|  | For the Three Months Ended |  |  |  |  |  | For the Year Ended December 31, |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | December 31, |  |  |  | September 30, 2017 |  |  |  |  |  |
|  | 2017 |  | 2016 |  |  |  | 2017 |  | 2016 |  |
| NOI at share: |  |  |  |  |  |  |  |  |  |  |
| New York: |  |  |  |  |  |  |  |  |  |  |
| Office | \$ | 189,481 | \$ | 174,609 | \$ | 185,169 | \$ | 721,183 | \$ | 662,221 |
| Retail |  | 90,853 |  | 93,117 |  | 90,088 |  | 359,944 |  | 364,953 |
| Residential |  | 5,920 |  | 6,158 |  | 5,981 |  | 24,370 |  | 25,060 |
| Alexander's |  | 11,656 |  | 11,495 |  | 11,937 |  | 47,302 |  | 47,295 |
| Hotel Pennsylvania |  | 6,318 |  | 5,405 |  | 5,319 |  | 13,266 |  | 8,997 |
| Total New York |  | 304,228 |  | 290,784 |  | 298,494 |  | 1,166,065 |  | 1,108,526 |
| Other: |  |  |  |  |  |  |  |  |  |  |
| theMART |  | 24,249 |  | 22,749 |  | 26,019 |  | 102,339 |  | 98,498 |
| 555 California Street |  | 12,003 |  | 10,578 |  | 11,519 |  | 47,588 |  | 45,848 |
| Other investments |  | 23,377 |  | 30,902 |  | 18,202 |  | 85,391 |  | 111,236 |
| Total Other |  | 59,629 |  | 64,229 |  | 55,740 |  | 235,318 |  | 255,582 |
| Total NOI at share | \$ | 363,857 | \$ | 355,013 | \$ | 354,234 | \$ | 1,401,383 | \$ | 1,364,108 |

## NOI at share - cash basis:

New York:

| Office | \$ | 175,787 | \$ | 157,679 | \$ | 172,741 | \$ | 678,839 | \$ | 593,785 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Retail |  | 83,320 |  | 80,817 |  | 81,612 |  | 324,318 |  | 292,019 |
| Residential |  | 5,325 |  | 5,560 |  | 5,417 |  | 21,626 |  | 22,285 |
| Alexander's |  | 12,004 |  | 11,743 |  | 12,280 |  | 48,683 |  | 48,070 |
| Hotel Pennsylvania |  | 6,351 |  | 5,438 |  | 5,352 |  | 13,397 |  | 9,128 |
| Total New York |  | 282,787 |  | 261,237 |  | 277,402 |  | 1,086,863 |  | 965,287 |
| Other: |  |  |  |  |  |  |  |  |  |  |
| theMART |  | 24,396 |  | 21,660 |  | 25,417 |  | 99,242 |  | 92,571 |
| 555 California Street |  | 11,916 |  | 8,702 |  | 10,889 |  | 45,281 |  | 32,601 |
| Other investments |  | 23,179 |  | 27,044 |  | 18,219 |  | 83,155 |  | 103,172 |
| Total Other |  | 59,491 |  | 57,406 |  | 54,525 |  | 227,678 |  | 228,344 |
| Total NOI at share - cash basis | \$ | 342,278 | \$ | 318,643 | \$ | 331,927 | \$ | 1,314,541 | \$ | 1,193,631 |

## VORNADO

REALTY TRUST
CONSOLIDATED BALANCE SHEETS
(unaudited and in thousands)

|  | December 31, 2017 |  | December 31, 2016 |  | (Decrease) Increase |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ASSETS |  |  |  |  |  |  |
| Real estate, at cost: |  |  |  |  |  |  |
| Land | \$ | 3,143,648 | \$ | 3,130,825 | \$ | 12,823 |
| Buildings and improvements |  | 9,898,605 |  | 9,684,144 |  | 214,461 |
| Development costs and construction in progress |  | 1,615,101 |  | 1,278,941 |  | 336,160 |
| Leasehold improvements and equipment |  | 98,941 |  | 93,910 |  | 5,031 |
| Total |  | 14,756,295 |  | 14,187,820 |  | 568,475 |
| Less accumulated depreciation and amortization |  | $(2,885,283)$ |  | $(2,581,514)$ |  | $(303,769)$ |
| Real estate, net |  | 11,871,012 |  | 11,606,306 |  | 264,706 |
| Cash and cash equivalents |  | 1,817,655 |  | 1,501,027 |  | 316,628 |
| Restricted cash |  | 97,157 |  | 95,032 |  | 2,125 |
| Marketable securities |  | 182,752 |  | 203,704 |  | $(20,952)$ |
| Tenant and other receivables, net |  | 58,700 |  | 61,069 |  | $(2,369)$ |
| Investments in partially owned entities |  | 1,056,829 |  | 1,378,254 |  | $(321,425)$ |
| Real estate fund investments |  | 354,804 |  | 462,132 |  | $(107,328)$ |
| Receivable arising from the straight-lining of rents, net |  | 926,711 |  | 885,167 |  | 41,544 |
| Deferred leasing costs, net |  | 403,492 |  | 354,997 |  | 48,495 |
| Identified intangible assets, net |  | 159,260 |  | 189,668 |  | $(30,408)$ |
| Assets related to discontinued operations |  | 1,357 |  | 3,568,613 |  | $(3,567,256)$ |
| Other assets |  | 468,205 |  | 508,878 |  | $(40,673)$ |
| Total Assets | \$ | 17,397,934 | \$ | 20,814,847 | \$ | $(3,416,913)$ |

## LIABILITIES, REDEEMABLE NONCONTROLLING INTERESTS AND EQUITY

Liabilities:

| Mortgages payable, net | \$ | 8,137,139 | \$ | 8,113,248 | \$ | 23,891 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Senior unsecured notes, net |  | 843,614 |  | 845,577 |  | $(1,963)$ |
| Unsecured term loan, net |  | 748,734 |  | 372,215 |  | 376,519 |
| Unsecured revolving credit facilities |  | - |  | 115,630 |  | $(115,630)$ |
| Accounts payable and accrued expenses |  | 415,794 |  | 397,134 |  | 18,660 |
| Deferred revenue |  | 227,069 |  | 276,276 |  | $(49,207)$ |
| Deferred compensation plan |  | 109,177 |  | 121,183 |  | $(12,006)$ |
| Liabilities related to discontinued operations |  | 3,620 |  | 1,259,443 |  | $(1,255,823)$ |
| Preferred shares to be redeemed on January 4 and 11, 2018 |  | 455,514 |  | - |  | 455,514 |
| Other liabilities |  | 464,635 |  | 417,199 |  | 47,436 |
| Total liabilities |  | 11,405,296 |  | 11,917,905 |  | $(512,609)$ |
| Redeemable noncontrolling interests |  | 984,937 |  | 1,278,446 |  | $(293,509)$ |
| Vornado shareholders' equity |  | 4,337,652 |  | 6,898,519 |  | $(2,560,867)$ |
| Noncontrolling interests in consolidated subsidiaries |  | 670,049 |  | 719,977 |  | $(49,928)$ |
| Total Liabilities, Redeemable Noncontrolling Interests and Equity | \$ | 17,397,934 | \$ | 20,814,847 | \$ | $(3,416,913)$ |

## VORNADO

REALTY TRUST

## CAPITAL STRUCTURE (PRO FORMA ${ }^{(1)}$ )

## (unaudited and in thousands, except per share and per unit amounts)

|  |  |  |  | December 31, 2017 |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Consolidated debt ${ }^{(2)}$ : |  |  |  |  |  |
| Mortgages payable |  |  |  | \$ | 8,203,839 |
| Senior unsecured notes |  |  |  |  | 850,000 |
| \$750 Million unsecured term loan |  |  |  |  | 750,000 |
| \$2.5 Billion unsecured revolving credit facilities |  |  |  |  | - |
|  |  |  |  |  | 9,803,839 |
| Pro rata share of debt of non-consolidated entities (excluding \$1,857,387 of Toys' debt) |  |  |  |  | 3,430,889 |
| Less: Noncontrolling interests' share of consolidated debt (primarily 1290 Avenue of the Americas, 555 California Street, and St. Regis - retail) |  |  |  |  | $(601,374)$ |
|  |  |  |  |  | 12,633,354 |
|  | Shares/Units |  |  |  |  |
| Perpetual Preferred ${ }^{(1)}$ : |  |  |  |  |  |
| 5.00\% preferred unit (D-16) (1 unit @ \$1,000,000 per unit) |  |  |  |  | 1,000 |
| $3.25 \%$ preferred units (D-17) (177,100 units @ \$25 per unit) |  |  |  |  | 4,428 |
| 5.70\% Series K preferred shares | 12,000 |  | 25.00 |  | 300,000 |
| 5.40\% Series L preferred shares | 12,000 |  | 25.00 |  | 300,000 |
| 5.25\% Series M preferred shares | 12,780 |  | 25.00 |  | 319,500 |
|  |  |  |  |  | 924,928 |
|  | Converted Shares |  | $2017$ <br> hare |  |  |
| Equity: |  |  |  |  |  |
| Common shares | 189,984 | \$ | 78.18 |  | 14,852,949 |
| Class A units | 11,654 |  | 78.18 |  | 911,110 |
| Convertible share equivalents: |  |  |  |  |  |
| Equity awards - unit equivalents | 875 |  | 78.18 |  | 68,407 |
| D-13 preferred units | 597 |  | 78.18 |  | 46,673 |
| G1-G4 units | 50 |  | 78.18 |  | 3,909 |
| Series A preferred shares | 38 |  | 78.18 |  | 2,971 |
|  |  |  |  |  | 15,886,019 |
|  |  |  |  |  |  |
| Total Market Capitalization |  |  |  | \$ | 29,444,301 |

[^3]
## VORNADO

REALTY TRUST
DEBT ANALYSIS
(unaudited and in thousands)

| (Contractual debt balances) (non-GAAP) | As of December 31, 2017 |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total |  |  | Variable |  |  | Fixed |  |  |
|  | Amount |  | Weighted Average Interest Rate | Amount |  | Weighted Average Interest Rate | Amount |  | Weighted Average Interest Rate |
| Consolidated debt ${ }^{(1)}$ | \$ | 9,803,839 | 3.53\% | \$ | 3,492,133 | 3.19\% | \$ | 6,311,706 | 3.72\% |
| Pro rata share of debt of non-consolidated entities: |  |  |  |  |  |  |  |  |  |
| Toys |  | 1,857,387 | 8.87\% |  | 1,269,522 | 8.20\% |  | 587,865 | 10.31\% |
| All other |  | 3,430,889 | 4.22\% |  | 1,395,001 | 3.24\% |  | 2,035,888 | 4.89\% |
| Total |  | 15,092,115 | 4.35\% |  | 6,156,656 | 4.24\% |  | 8,935,459 | 4.42\% |
| Less: Noncontrolling interests' share of consolidated debt (primarily 1290 Avenue of the Americas, 555 California Street, and St. Regis - retail) |  | $(601,374)$ |  |  | $(145,609)$ |  |  | $(455,765)$ |  |
| Company's pro rata share of total debt | \$ | 14,490,741 | 4.37\% | \$ | 6,011,047 | 4.26\% | \$ | 8,479,694 | 4.44\% |


| Debt Covenant Ratios: ${ }^{(2)}$ | Senior Unsecured Notes |  |  |  | Unsecured Revolving Credit Facilities and Unsecured Term Loan |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Required |  | Actual |  |  |  |
|  |  |  | Due 2022 | Due 2025 | Required | Actual |
| Total outstanding debt/total assets ${ }^{(3)}$ |  | Less than 65\% | 47\% | 45\% | Less than 60\% | 36\% |
| Secured debt/total assets |  | Less than 50\% | 38\% | 36\% | Less than 50\% | 29\% |
| Interest coverage ratio (annualized combined EBITDA to annualized interest expense) |  | Greater than 1.50 | 2.79 | 2.79 |  | N/A |
| Fixed charge coverage |  |  | N/A | N/A | Greater than 1.40 | 2.44 |
| Unencumbered assets/unsecured debt |  | Greater than 150\% | 456\% | 480\% |  | N/A |
| Unsecured debt/cap value of unencumbered assets |  |  | N/A | N/A | Less than 60\% | 18\% |
| Unencumbered coverage ratio |  |  | N/A | N/A | Greater than 1.50 | 8.67 |
| Unencumbered EBITDA (non-GAAP): |  | Q4 2017 <br> Annualized |  |  |  |  |
| New York | \$ | 477,944 |  |  |  |  |
| Other |  | 33,756 |  |  |  |  |
| Total | \$ | 511,700 |  |  |  |  |

(1) See reconciliation of consolidated debt, net (GAAP) to contractual debt (non-GAAP) on page xiv in Appendix: Non-GAAP Reconciliations.

 with the SEC of our revolving credit facilities, senior debt indentures and applicable prospectuses and prospectus supplements.
 unsecured term loan.

## VORNADO <br> REALTY TRUS

DEBT MATURITIES (CONTRACTUAL BALANCES) (NON-GAAP)
(unaudited and in thousands)

| Property | Maturity Date ${ }^{(1)}$ | Spread over LIBOR |  | Interest Rate | 2018 |  | 2019 |  | 2020 |  | 2021 |  | 2022 |  | Thereafter |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 828-850 Madison Avenue Retail Condominium | 06/18 |  |  | 5.29\% | \$ | 80,000 | \$ | - | \$ | \$ | \$ | \$ | \$ | - | \$ | - | \$ | 80,000 |
| 33-00 Northern Boulevard | 10/18 |  | (2) | 4.43\% |  | 59,752 |  | - |  | - |  | - |  | - |  | - |  | 59,752 |
| 435 Seventh Avenue - retail | 08/19 | L+225 |  | 3.74\% |  | - |  | 96,780 |  | - |  | - |  | - |  | - |  | 96,780 |
| 4 Union Square South - retail | 11/19 | L+215 |  | 3.51\% |  | - |  | 114,028 |  | - |  | - |  | - |  | - |  | 114,028 |
| 150 West 34th Street | 06/20 | L+225 |  | 3.65\% |  | - |  | - |  | 205,000 |  | - |  | - |  | - |  | 205,000 |
| 100 West 33rd Street - office and retail | 07/20 | L+165 |  | 3.03\% |  | - |  | - |  | 580,000 |  | - |  | - |  | - |  | 580,000 |
| 220 Central Park South | 09/20 | L+200 |  | 3.57\% |  | - |  | - |  | 950,000 |  | - |  | - |  | - |  | 950,000 |
| Unsecured Term Loan | 10/20 | L+115 |  | 2.68\% |  | - |  | - |  | 750,000 |  | - |  | - |  | - |  | 750,000 |
| Eleven Penn Plaza | 12/20 |  |  | 3.95\% |  | - |  | - |  | 450,000 |  | - |  | - |  | - |  | 450,000 |
| 888 Seventh Avenue | 12/20 |  | (3) | 3.15\% |  | - |  | - |  | 375,000 |  | - |  | - |  | - |  | 375,000 |
| Borgata Land | 02/21 |  |  | 5.14\% |  | - |  | - |  | - |  | 55,606 |  | - |  | - |  | 55,606 |
| 770 Broadway | 03/21 |  | (4) | 2.56\% |  | - |  | - |  | - |  | 700,000 |  | - |  | - |  | 700,000 |
| 909 Third Avenue | 05/21 |  |  | 3.91\% |  | - |  | - |  | - |  | 350,000 |  | - |  | - |  | 350,000 |
| 606 Broadway | 05/21 | L+300 |  | 4.43\% |  | - |  | - |  | - |  | 38,458 |  | - |  | - |  | 38,458 |
| 555 California Street | 09/21 |  |  | 5.10\% |  | - |  | - |  | - |  | 569,215 |  | - |  | - |  | 569,215 |
| theMART | 09/21 |  |  | 2.70\% |  | - |  | - |  | - |  | 675,000 |  | - |  | - |  | 675,000 |
| 655 Fifth Avenue | 10/21 | L+140 |  | 2.76\% |  | - |  | - |  | - |  | 140,000 |  | - |  | - |  | 140,000 |
| Two Penn Plaza | 12/21 |  | (5) | 4.26\% |  | - |  | - |  | - |  | 575,000 |  | - |  | - |  | 575,000 |
| Senior unsecured notes due 2022 | 01/22 |  |  | 5.00\% |  | - |  | - |  | - |  | - |  | 400,000 |  | - |  | 400,000 |
| \$1.25 Billion unsecured revolving credit facility | 02/22 | L+100 |  | -\% |  | - |  | - |  | - |  | - |  | - |  | - |  | - |
| 1290 Avenue of the Americas | 11/22 |  |  | 3.34\% |  | - |  | - |  | - |  | - |  | 950,000 |  | - |  | 950,000 |
| 697-703 Fifth Avenue (St. Regis - retail) | 12/22 | L+180 |  | 3.16\% |  | - |  | - |  | - |  | - |  | 450,000 |  | - |  | 450,000 |
| \$1.25 Billion unsecured revolving credit facility | 01/23 | L+100 |  | -\% |  | - |  | - |  | - |  | - |  | - |  | - |  | - |
| 666 Fifth Avenue Retail Condominium | 03/23 |  |  | 3.61\% |  | - |  | - |  | - |  | - |  | - |  | ,000 |  | 390,000 |
| Senior unsecured notes due 2025 | 01/25 |  |  | 3.50\% |  | - |  | - |  | - |  | - |  | - |  | ,000 |  | 450,000 |
| 350 Park Avenue | 01/27 |  |  | 3.92\% |  | - |  | - |  | - |  | - |  | - |  | 000 |  | 400,000 |
| Total consolidated debt (contractual) |  |  |  |  | \$ | 139,752 | \$ | 210,808 |  | \$3,310,000 |  | \$3,103,279 |  | 800,000 |  | 000 |  | 803,839 |
| Weighted average rate |  |  |  |  |  | 4.92\% |  | 3.62\% |  | 3.28\% |  | 3.60\% |  | 3.67\% |  | .67\% |  | 3.53\% |
| Fixed rate debt |  |  |  |  | \$ | 139,752 | \$ | - |  | \$ 825,000 |  | \$2,756,954 |  | 350,000 |  | , 000 |  | 311,706 |
| Fixed weighted average rate expiring |  |  |  |  |  | 4.92\% |  | -\% |  | 3.59\% |  | 3.67\% |  | 3.83\% |  | .67\% |  | 3.72\% |
| Floating rate debt |  |  |  |  | \$ | - | \$ | 210,808 |  | \$2,485,000 |  | \$ 346,325 | \$ | 450,000 | \$ | - |  | 492,133 |
| Floating weighted average rate expiring |  |  |  |  |  | -\% |  | 3.62\% |  | 3.18\% |  | 3.07\% |  | 3.16\% |  | -\% |  | 3.19\% |

(1) Represents the extended maturity for certain loans in which we have the unilateral right to extend.
(2) Refinanced on January 5, 2018. The new seven-year loan at LIBOR plus $1.80 \%$, which was swapped to a fixed rate of $4.14 \%$. The loan is interest-only for the first five years and includes principal amortization of $\$ 1,800,000$ per annum beginning in year six.
(3) Pursuant to an existing swap agreement, the loan bears interest at $3.15 \%$ through December 2020. The rate was swapped from LIBOR plus $1.60 \%$ ( $2.96 \%$ as of December 31, 2017).
(4) Pursuant to an existing swap agreement, the loan bears interest at $2.56 \%$ through September 2020. The rate was swapped from LIBOR plus $1.75 \%$ ( $3.15 \%$ as of December 31, 2017).
(5) Pursuant to an existing swap agreement, $\$ 407,000$ of the loan bears interest at a fixed rate of $4.78 \%$ through March 2018, and the balance of the $\$ 168,000$ floats through March 2018 . The entire $\$ 575,000$ will float thereafter for the duration of the loan.

## VORNADO

REALTY TRUST

## UNCONSOLIDATED JOINT VENTURES

| (unaudited and in thousands) |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Asset Category | Percentage Ownership at December 31, 2017 | As of December 31, 2017 |  |  |  |  |  |
|  |  |  | Contractual Debt Balances (non-GAAP) |  |  |  |  |  |
| Joint Venture Name |  |  | Company's Carrying Amount |  | Company's Pro rata Share |  | $100 \%$ of Joint Venture |  |
| Alexander's, Inc. | Office/Retail | 32.4\% | \$ | 126,400 | \$ | 405,791 | \$ | 1,252,440 |
|  |  |  |  |  |  |  |  |  |
| PREIT | Retail | 8.0\% |  | 66,572 |  | 126,796 |  | 1,586,045 |
|  |  |  |  |  |  |  |  |  |
| UE | Retail | 4.5\% |  | 46,152 |  | 63,963 |  | 1,415,806 |
| Partially owned office buildings/land: |  |  |  |  |  |  |  |  |
| One Park Avenue | Office/Retail | 55.0\% |  | 128,213 |  | 165,000 |  | 300,000 |
| 280 Park Avenue | Office/Retail | 50.0\% |  | 120,346 |  | 600,000 |  | 1,200,000 |
| 650 Madison Avenue | Office/Retail | 20.1\% |  | 112,875 |  | 161,024 |  | 800,000 |
| 512 West 22nd Street | Office/Retail | 55.0\% |  | 60,629 |  | 36,336 |  | 66,066 |
| West 57th Street properties | Office/Retail/Land | 50.0\% |  | 42,852 |  | 10,000 |  | 20,000 |
| 61 Ninth Avenue | Office/Retail | 45.1\% |  | 29,455 |  | 23,983 |  | 53,178 |
| 825 Seventh Avenue | Office | 50.0\% |  | 7,557 |  | 10,250 |  | 20,500 |
| 85 Tenth Avenue | Office/Retail | 49.9\% |  | $(1,617)$ |  | 311,875 |  | 625,000 |
| Other | Office/Retail | Various |  | 4,083 |  | 17,465 |  | 50,150 |
| Other investments: |  |  |  |  |  |  |  |  |
| Independence Plaza | Residential/Retail | 50.1\% |  | 142,486 |  | 275,550 |  | 550,000 |
| Rosslyn Plaza | Office/Residential | 43.7\% to 50.4\% |  | 43,376 |  | 19,118 |  | 37,925 |
| 666 Fifth Avenue Office Condominium | Office/Retail | 49.5\% |  | 37,136 |  | 699,492 |  | 1,413,114 |
| Moynihan Office Building | Office/Retail | 50.1\% |  | 33,328 |  | 105,345 |  | 210,269 |
| Other | Various | Various |  | 56,986 |  | 1,972,288 |  | 6,390,075 |
|  |  |  | \$ | 1,056,829 | \$ | 5,004,276 | \$ | 15,990,568 |
|  |  |  |  |  |  |  |  |  |
| 330 Madison Avenue ${ }^{(1)}$ | Office | 25.0\% | \$ | $(53,999)$ | \$ | 125,000 | \$ | 500,000 |
| 7 West 34th Street ${ }^{(2)}$ | Office/Retail | 53.0\% |  | $(47,369)$ |  | 159,000 |  | 300,000 |
|  |  |  | \$ | (101,368) | \$ | 284,000 | \$ | 800,000 |

[^4]
## VORNADO

REALTY TRUST

## UNCONSOLIDATED JOINT VENTURES

(unaudited and in thousands)

(1) 2016 includes $\$ 160,843$ of income from the repayment of our investments in 85 Tenth Avenue loans and preferred equity
(2) Our $43.7 \%$ to $50.4 \%$ interests in Rosslyn Plaza and our $7.5 \%$ interest in Fashion Centre Mall/Washington Tower were not included in the spin-off of our Washington, DC segment and have been reclassified to Other. The prior year's presentation has been conformed to the current year.
(3) 2016 includes $\$ 13,962$ of non-cash impairment loss related to India real estate ventures.

## VORNADO

REALTY TRUS

## UNCONSOLIDATED JOINT VENTURES

| (unaudited and in thousands) |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Percentage Ownership at December 31, 2017 | Our Share of Net Income (Loss) for the Twelve Months Ended December 31, |  |  |  | Our Share of NOI <br> (non-GAAP) for theTwelve Months Ended December 31, |  |  |  |
|  |  | 2017 |  | 2016 |  | 2017 |  | 2016 |  |
| Joint Venture Name |  |  |  |  |  |  |  |  |  |
| New York: |  |  |  |  |  |  |  |  |  |
| Alexander's | 32.4\% | \$ | 25,820 | \$ | 27,470 | \$ | 47,302 | \$ | 47,295 |
| 280 Park Avenue | 50.0\% |  | $(7,289)$ |  | $(4,850)$ |  | 36,407 |  | 32,436 |
| One Park Avenue | 55.0\% |  | 5,565 |  | 3,370 |  | 17,528 |  | 14,492 |
| 650 Madison Avenue | 20.1\% |  | $(4,774)$ |  | $(4,820)$ |  | 9,511 |  | 9,546 |
| Independence Plaza | 50.1\% |  | 4,345 |  | 5,256 |  | 21,930 |  | 22,044 |
| 330 Madison Avenue | 25.0\% |  | 4,150 |  | 5,934 |  | 10,121 |  | 9,735 |
| 7 West 34th Street | 53.0\% |  | 3,053 |  | 3,032 |  | 13,543 |  | 8,257 |
| 825 Seventh Avenue | 50.0\% |  | 2,673 |  | 2,770 |  | 3,325 |  | 3,408 |
| 85 Tenth Avenue ${ }^{(1)}$ | 49.9\% |  | $(1,290)$ |  | - |  | 19,153 |  | - |
| West 57th Street Properties | 50.0\% |  | (131) |  | 84 |  | 1,086 |  | 1,291 |
| Moynihan Office Building | 50.1\% |  | (89) |  | - |  | (89) |  | - |
| Other, net | Various |  | $(2,474)$ |  | 907 |  | 4,082 |  | 5,426 |
|  |  |  | 29,559 |  | 39,153 |  | 183,899 |  | 153,930 |
| Other: |  |  |  |  |  |  |  |  |  |
| PREIT ${ }^{(2)}$ | 8.0\% |  | $(53,325)$ |  | $(5,213)$ |  | 21,071 |  | 22,754 |
| UE ${ }^{(3)}$ | 4.5\% |  | 27,328 |  | 5,839 |  | 14,479 |  | 12,518 |
| Suffolk Downs ${ }^{(4)}$ | 21.2\% |  | 26,360 |  | (544) |  | 235 |  | 558 |
| 666 Fifth Avenue Office Condominium | 49.5\% |  | $(25,414)$ |  | $(41,532)$ |  | 20,636 |  | 25,004 |
| Alexander's corporate fee income | 32.4\% |  | 6,033 |  | 6,770 |  | 6,033 |  | 6,770 |
| Rosslyn Plaza ${ }^{(5)}$ | 43.7\% to 50.4\% |  | (774) |  | $(3,668)$ |  | 4,187 |  | 4,062 |
| 85 Tenth Avenue ${ }^{(1)}$ | 49.9\% |  | - |  | 178,072 |  | - |  | 27,889 |
| Other, net ${ }^{(5)}$ | Various |  | 5,433 |  | $(9,929)$ |  | 13,196 |  | 12,173 |
|  |  |  | $(14,359)$ |  | 129,795 |  | 79,837 |  | 111,728 |
|  |  | \$ | 15,200 | \$ | 168,948 | \$ | 263,736 | \$ | 265,658 |

(1) 2016 includes $\$ 160,843$ of income from the repayment of our investments in 85 Tenth Avenue loans and preferred equity.


 recovery in the near-term.
(3) 2017 includes a $\$ 21,100$ net gain resulting from UE operating partnership unit issuances
 repayment of our debt investments in Suffolk Downs JV.
 reclassified to Other. The prior year's presentation has been conformed to the current year.
(6) 2016 includes $\$ 13,962$ of non-cash impairment loss related to India real estate ventures.

## VORNADO

REALTY TRUST

## SQUARE FOOTAGE

| (unaudited and square feet in thousands) |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { At } \\ \text { 100\% } \end{gathered}$ | At Vornado's Share |  |  |  |  |  |
|  |  | Total | Under Development | In Service |  |  |  |
|  |  |  |  | Office | Retail | Showroom | Other |
| Segment: |  |  |  |  |  |  |  |
| New York: |  |  |  |  |  |  |  |
| Office | 21,329 | 17,521 | 539 | 16,799 | - | 183 | - |
| Retail | 2,931 | 2,593 | 122 | - | 2,471 | - | - |
| Residential - 1,697 units | 1,568 | 835 | - | - | - | - | 835 |
| Alexander's ( $32.4 \%$ interest), including 312 residential units | 2,437 | 790 | - | 288 | 419 | - | 83 |
| Hotel Pennsylvania | 1,400 | 1,400 | - | - | - | - | 1,400 |
|  | 29,665 | 23,139 | 661 | 17,087 | 2,890 | 183 | 2,318 |
| Other: |  |  |  |  |  |  |  |
| theMART | 3,689 | 3,680 | - | 2,010 | 109 | 1,561 | - |
| 555 California Street (70\% interest) | 1,805 | 1,264 | 45 | 1,189 | 30 | - | - |
| Other | 4,280 | 2,050 | 862 | 214 | 863 | - | 111 |
|  | 9,774 | 6,994 | 907 | 3,413 | 1,002 | 1,561 | 111 |
|  |  |  |  |  |  |  |  |
| Total square feet at December 31, 2017 | 39,439 | 30,133 | 1,568 | 20,500 | 3,892 | 1,744 | 2,429 |
|  |  |  |  |  |  |  |  |
| Total square feet at September 30, 2017 | 39,433 | 30,134 | 1,580 | 20,486 | 3,902 | 1,737 | 2,429 |
| Parking Garages (not included above): | Square Feet | Number of Garages | Number of Spaces |  |  |  |  |
| New York | 1,686 | 11 | 4,970 |  |  |  |  |
| theMART | 558 | 4 | 1,651 |  |  |  |  |
| 555 California Street | 168 | 1 | 453 |  |  |  |  |
| Rosslyn Plaza | 411 | 4 | 1,094 |  |  |  |  |
| Total at December 31, 2017 | 2,823 | 20 | 8,168 |  |  |  |  |

## VORNADO

## REALTY TRUS

## TOP 30 TENANTS

| (unaudited) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Tenants | Square <br> Footage <br> At Share ${ }^{(1)}$ | Annualized <br> Revenues At Share (non-GAAP) (in thousands) ${ }^{(1)}$ |  | \% of Annualized Revenues At Share (non-GAAP) ${ }^{(2)}$ |
| IPG and affiliates | 923,896 | \$ | 57,162 | 2.3\% |
| Facebook | 435,561 |  | 40,781 | 1.6\% |
| Swatch Group USA | 25,633 |  | 39,791 | 1.6\% |
| Macy's | 646,434 |  | 37,886 | 1.5\% |
| Victoria's Secret (guaranteed by L Brands, Inc.) | 91,427 |  | 34,337 | 1.4\% |
| Bloomberg L.P. | 287,898 |  | 33,202 | 1.3\% |
| AXA Equitable Life Insurance | 336,646 |  | 32,581 | 1.3\% |
| Google/Motorola Mobility (guaranteed by Google) | 728,483 |  | 31,717 | 1.3\% |
| Ziff Brothers Investments, Inc. | 287,030 |  | 30,225 | 1.2\% |
| McGraw-Hill Companies, Inc. | 479,557 |  | 29,810 | 1.2\% |
| Oath - formerly AOL (Verizon) | 327,138 |  | 29,747 | 1.2\% |
| The City of New York | 565,846 |  | 24,997 | 1.0\% |
| AMC Networks, Inc. | 404,920 |  | 24,583 | 1.0\% |
| Topshop | 94,349 |  | 23,669 | 0.9\% |
| Amazon (including its Whole Foods subsidiary) | 308,113 |  | 23,549 | 0.9\% |
| Fast Retailing (Uniqlo) | 90,732 |  | 22,867 | 0.9\% |
| Madison Square Garden | 348,757 |  | 22,522 | 0.9\% |
| Forever 21 | 127,779 |  | 22,420 | 0.9\% |
| Neuberger Berman Group LLC | 288,325 |  | 22,231 | 0.9\% |
| J. Crew | 250,635 |  | 21,089 | 0.8\% |
| JCPenney | 426,370 |  | 19,739 | 0.8\% |
| Hollister | 21,741 |  | 19,575 | 0.8\% |
| Bank of America | 232,728 |  | 18,658 | 0.7\% |
| PwC | 243,434 |  | 17,137 | 0.7\% |
| Alston \& Bird LLP | 163,883 |  | 13,951 | 0.6\% |
| New York University | 258,395 |  | 13,688 | 0.5\% |
| U.S. Government | 578,711 |  | 13,458 | 0.5\% |
| Bryan Cave LLP | 150,669 |  | 12,689 | 0.5\% |
| Information Builders, Inc. | 229,064 |  | 12,423 | 0.5\% |
| Integrated Holdings Group | 131,565 |  | 11,672 | 0.5\% |
|  |  |  |  | 30.2\% |

[^5]
## VORNADO <br> REALTY TRUST

LEASE EXPIRATIONS NEW YORK SEGMENT

| (unaudited) |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Period of Lease Expiration | Our Share of Square Feet of Expiring Leases ${ }^{(1)}$ | Weighted Average Annual Rent of Expiring Leases |  |  |  | Percentage of Annualized Escalated Rent |
|  |  |  |  | Total |  |  |  |
| Office: | Month to Month | 73,000 | \$ | 3,086,000 | \$ | 42.27 | 0.3\% |
|  | First Quarter 2018 | 296,000 |  | 19,625,000 |  | 66.30 | 1.7\% |
|  | Second Quarter 2018 | 201,000 |  | 15,212,000 |  | 75.68 | 1.3\% |
|  | Third Quarter 2018 | 74,000 |  | 6,376,000 |  | 86.16 | 0.6\% |
|  | Fourth Quarter 2018 | 325,000 |  | 25,736,000 |  | 79.19 | 2.3\% |
|  | Total 2018 | 896,000 |  | 66,949,000 |  | 74.72 | 5.9\% |
|  | 2019 | 750,000 |  | 51,029,000 |  | 68.04 | 4.5\% |
|  | 2020 | 1,394,000 |  | 96,261,000 |  | 69.05 | 8.5\% |
|  | 2021 | 1,160,000 |  | 85,881,000 |  | 74.04 | 7.6\% |
|  | 2022 | 792,000 |  | 48,215,000 |  | 60.88 | 4.3\% |
|  | 2023 | 2,001,000 |  | 152,874,000 |  | 76.40 | 13.5\% |
|  | 2024 | 1,292,000 |  | 101,263,000 |  | 78.38 | 9.0\% |
|  | 2025 | 800,000 |  | 58,916,000 |  | 73.65 | 5.2\% |
|  | 2026 | 1,376,000 |  | 101,555,000 |  | 73.80 | 9.0\% |
|  | 2027 | 996,000 |  | 68,674,000 |  | 68.95 | 6.1\% |
|  | Thereafter | 4,766,000 |  | 295,074,000 |  | 61.91 | 26.1\% |
|  |  |  |  |  |  |  |  |
| Retail: | Month to Month | 97,000 | \$ | 3,461,000 | \$ | 35.68 | 0.8\% |
|  | First Quarter 2018 | 25,000 |  | 7,565,000 |  | 302.60 | 1.7\% |
|  | Second Quarter 2018 | 21,000 |  | 3,156,000 |  | 150.29 | 0.7\% |
|  | Third Quarter 2018 | 42,000 |  | 15,954,000 |  | 379.86 | 3.7\% |
|  | Fourth Quarter 2018 | 8,000 |  | 1,482,000 |  | 211.71 | 0.3\% |
|  | Total 2018 | 96,000 |  | 28,157,000 |  | 293.30 | 6.4\% |
|  | 2019 | 204,000 |  | 35,085,000 |  | 171.99 | 8.0\% |
|  | 2020 | 69,000 |  | 10,388,000 |  | 150.55 | 2.4\% |
|  | 2021 | 67,000 |  | 11,613,000 |  | 173.33 | 2.7\% |
|  | 2022 | 19,000 |  | 4,913,000 |  | 258.58 | 1.1\% |
|  | 2023 | 90,000 |  | 38,199,000 |  | 424.43 | 8.8\% |
|  | 2024 | 155,000 |  | 63,852,000 |  | 411.95 | 14.6\% |
|  | 2025 | 41,000 |  | 17,777,000 |  | 433.59 | 4.1\% |
|  | 2026 | 135,000 |  | 42,626,000 |  | 315.75 | 9.8\% |
|  | 2027 | 31,000 |  | 21,204,000 |  | 684.00 | 4.9\% |
|  | Thereafter | 916,000 |  | 158,646,000 |  | 173.19 | 36.4\% |

[^6]
## VORNADO <br> REALTY TRUST

## LEASE EXPIRATIONS

theMART
(unaudited)

|  | Period of Lease Expiration | Our Share of Square Feet of Expiring Leases ${ }^{(1)}$ | Weighted Average Annual Rent of Expiring Leases |  |  |  | Percentage of Annualized Escalated Rent |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Total |  |  |  |
| Office / Showroom / Retail: | Month to Month | 23,000 | \$ | 1,042,000 | \$ | 45.30 | 0.7\% |
|  | First Quarter 2018 | 30,000 |  | 1,460,000 |  | 48.67 | 1.0\% |
|  | Second Quarter 2018 | 15,000 |  | 728,000 |  | 48.53 | 0.5\% |
|  | Third Quarter 2018 | 182,000 |  | 6,728,000 |  | 36.97 | 4.5\% |
|  | Fourth Quarter 2018 | 50,000 |  | 2,302,000 |  | 46.04 | 1.5\% |
|  | Total 2018 | 277,000 |  | 11,218,000 |  | 40.50 | 7.5\% |
|  | 2019 | 162,000 |  | 8,146,000 |  | 50.28 | 5.4\% |
|  | 2020 | 295,000 |  | 13,064,000 |  | 44.28 | 8.7\% |
|  | 2021 | 350,000 |  | 15,030,000 |  | 42.94 | 10.0\% |
|  | 2022 | 609,000 |  | 25,990,000 |  | 42.68 | 17.3\% |
|  | 2023 | 247,000 |  | 10,777,000 |  | 43.63 | 7.1\% |
|  | 2024 | 217,000 |  | 8,776,000 |  | 40.44 | 5.8\% |
|  | 2025 | 307,000 |  | 13,969,000 |  | 45.50 | 9.3\% |
|  | 2026 | 176,000 |  | 7,702,000 |  | 43.76 | 5.1\% |
|  | 2027 | 112,000 |  | 4,972,000 |  | 44.39 | 3.3\% |
|  | Thereafter | 789,000 |  | 29,817,000 |  | 37.79 | 19.8\% |

(1) Excludes storage, vacancy and other.

VORNADO
REALTY TRUST

## LEASE EXPIRATIONS

555 California Street
(unaudited)

|  | Period of Lease Expiration | Our Share of Square Feet of Expiring Leases | Weighted Average Annual Rent of Expiring Leases |  |  |  | Percentage of Annualized Escalated Rent |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Total |  |  |  |
| Office / Retail: | Month to Month | - | \$ | - | \$ | - | -\% |
|  | First Quarter 2018 | - |  | - |  | - | -\% |
|  | Second Quarter 2018 | 6,000 |  | 364,000 |  | 60.67 | 0.4\% |
|  | Third Quarter 2018 | 2,000 |  | 148,000 |  | 74.00 | 0.2\% |
|  | Fourth Quarter 2018 | - |  | - |  | - | -\% |
|  | Total 2018 | 8,000 |  | 512,000 |  | 64.00 | 0.6\% |
|  | 2019 | 47,000 |  | 3,324,000 |  | 70.72 | 4.1\% |
|  | 2020 | 101,000 |  | 6,247,000 |  | 61.85 | 7.7\% |
|  | 2021 | 68,000 |  | 4,587,000 |  | 67.46 | 5.6\% |
|  | 2022 | 37,000 |  | 2,765,000 |  | 74.73 | 3.4\% |
|  | 2023 | 132,000 |  | 9,007,000 |  | 68.23 | 11.1\% |
|  | 2024 | 79,000 |  | 6,433,000 |  | 81.43 | 7.9\% |
|  | 2025 | 343,000 |  | 23,274,000 |  | 67.85 | 28.6\% |
|  | 2026 | 95,000 |  | 6,402,000 |  | 67.39 | 7.9\% |
|  | 2027 | 65,000 |  | 5,164,000 |  | 79.45 | 6.4\% |
|  | Thereafter | 145,000 |  | 13,593,000 |  | 93.74 | 16.7\% |

(1) Excludes storage, vacancy and other.

## VORNADO

REALTY TRUST

## LEASING ACTIVITY

(unaudited)

 leased during the period.
(square feet in thousands)

 in the initial cash basis rent per square foot but are included in the GAAP basis straight-line rent per square foot.


## VORNADO

REALTY TRUST

## LEASING ACTIVITY

(unaudited)

 leased during the period.
(square feet in thousands)

 included in the initial cash basis rent per square foot but are included in the GAAP basis straight-line rent per square foot.


## VORNADO <br> REALTY TRUST

## LEASING ACTIVITY

(unaudited)

 leased during the period
(square feet in thousands)

|  | New York |  |  |  | theMART |  | 555 California Street |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Office |  | Retail |  |  |  |  |  |
| Year Ended December 31, 2016 |  |  |  |  |  |  |  |  |
| Total square feet leased |  | 2,241 |  | 111 |  | 270 |  | 151 |
| Our share of square feet leased: |  | 1,842 |  | 90 |  | 269 |  | 106 |
| Initial rent ${ }^{(1)}$ | \$ | 72.56 | \$ | 285.17 | \$ | 48.16 | \$ | 77.25 |
| Weighted average lease term (years) |  | 8.8 |  | 9.1 |  | 6.4 |  | 8.4 |
| Second generation relet space: |  |  |  |  |  |  |  |  |
| Square feet |  | 1,667 |  | 69 |  | 221 |  | 69 |
| GAAP basis: |  |  |  |  |  |  |  |  |
| Straight-line rent ${ }^{(2)}$ | \$ | 71.52 | \$ | 204.95 | \$ | 50.74 | \$ | 82.69 |
| Prior straight-line rent | \$ | 59.75 | \$ | 166.14 | \$ | 40.43 | \$ | 66.92 |
| Percentage increase |  | 19.7\% |  | 23.4\% |  | 25.5\% |  | 23.6\% |
| Percentage increase inclusive of 3 square foot Dyson lease at 640 Fifth Avenue |  |  |  | 94.9\% |  |  |  |  |
| Cash basis (non-GAAP): |  |  |  |  |  |  |  |  |
| Initial rent ${ }^{(1)}$ | \$ | 71.82 | \$ | 194.35 | \$ | 49.65 | \$ | 79.69 |
| Prior escalated rent | \$ | 61.62 | \$ | 173.70 | \$ | 43.43 | \$ | 66.51 |
| Percentage increase |  | 16.6\% |  | 11.9\% |  | 14.3\% |  | 19.8\% |
| Percentage increase inclusive of 3 square foot Dyson lease at 640 Fifth Avenue |  |  |  | 70.1\% |  |  |  |  |
| Tenant improvements and leasing commissions: |  |  |  |  |  |  |  |  |
| Per square foot | \$ | 64.44 | \$ | 184.74 | \$ | 35.62 | \$ | 76.29 |
| Per square foot per annum | \$ | 7.32 | \$ | 20.30 | \$ | 5.57 | \$ | 9.08 |
| Percentage of initial rent |  | 10.1\% |  | 7.1\% |  | 11.6\% |  | 11.8\% |

 in the initial cash basis rent per square foot but are included in the GAAP basis straight-line rent per square foot.


## VORNADO

REALTY TRUST
OCCUPANCY, SAME STORE NOI AT SHARE AND NOI AT SHARE - CASH BASIS (NON-GAAP)
(unaudited)

|  | New York | theMART | 555 California Street |
| :---: | :---: | :---: | :---: |
| Occupancy rate at: |  |  |  |
| December 31, 2017 | 97.2\% | 98.6\% | 94.2\% |
| September 30, 2017 | 96.9\% | 98.7\% | 94.2\% |
| December 31, 2016 | 96.5\% | 98.9\% | 92.4\% |
| Same store NOI at share \% increase (decrease) ${ }^{(1)}$ : |  |  |  |
| Three months ended December 31, 2017 compared to December 31, 2016 | 2.8\% | 7.1 \% | 10.4\% |
| Year ended December 31, 2017 compared to December 31, 2016 | 2.7\% | 4.2 \% ${ }^{(2)}$ | 1.9\% |
| Three months ended December 31, 2017 compared to September 30, 2017 | 1.8\% | (7.1)\% ${ }^{(3)}$ | 4.2\% |
| Same store NOI at share - cash basis \% increase (decrease) ${ }^{(1)}$ : |  |  |  |
| Three months ended December 31, 2017 compared to December 31, 2016 | 7.0\% | 13.7 \% | 32.4\% |
| Year ended December 31, 2017 compared to December 31, 2016 | 11.3\% | 7.6 \% ${ }^{(2)}$ | 36.0\% |
| Three months ended December 31, 2017 compared to September 30, 2017 | 1.7\% | (4.4)\% ${ }^{(3)}$ | 9.4\% |

(1) See pages viii through xiii in the Appendix: Non-GAAP reconciliations for same store NOI reconciliations.
(2) The year ended December 31, 2016 includes a $\$ 2,000,000$ reversal of an expense accrued in 2015 . Excluding this amount, same store NOI increased by $6.4 \%$ and same store NOI - cash basis increased by $10.0 \%$.
(3) Excluding tradeshows seasonality, same store NOI increased by $0.3 \%$ and same store NOI - cash basis increased by $3.9 \%$.

## RESIDENTIAL STATISTICS in service

(unaudited)

|  | Number of Units | Vornado's Ownership Interest |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Number of Units | Occupancy Rate | Average Monthly Rent Per Unit |
| New York: |  |  |  |  |
| December 31, 2017 | 2,009 | 981 | 96.7\% | \$3,722 |
| September 30, 2017 | 2,008 | 980 | 94.4\% | \$3,642 |
| December 31, 2016 | 2,004 | 977 | 95.7\% | \$3,576 |

## VORNADO

REALTY TRUST
DEVELOPMENT/REDEVELOPMENT SUMMARY - AS OF DECEMBER 31, 2017
(unaudited and in thousands, except square feet)

| Current Projects: | Segment | Property Rentable Sq. Ft. | (At Share) <br> Excluding Land Costs |  |  |  |  | \% Complete | Start | Initial Occupancy | Full <br> Quarter <br> Stabilized <br> Operations |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Incremental Budget |  | Amount Expended |  |  |  |  |  |  |
| 220 Central Park South - residential condominiums | Other | 397,000 | \$ | 1,400,000 | \$ | 890,000 | (1) | 63.6\% | Q3 2012 | N/A | N/A |
| Moynihan Office Building - (50.1\% interest) ${ }^{(2)}$ | New York | 850,000 |  | 400,000 |  | 20,862 |  | 5.2\% | Q2 2017 | Q3 2020 | Q2 2022 |
| 61 Ninth Avenue - office/retail (45.1\% interest) ${ }^{(3)}$ | New York | 170,000 |  | 69,000 |  | 47,482 |  | 68.8\% | Q1 2016 | Q1 2018 | Q2 2019 |
| 512 West 22nd Street - office/retail (55.0\% interest) | New York | 173,000 |  | 72,000 |  | 40,640 | (4) | 56.4\% | Q4 2015 | Q3 2018 | Q1 2020 |
| 345 Montgomery Street (555 California Street) (70.0\% interest) | Other | 64,000 |  | 32,000 |  | 1,904 | (5) | 6.0\% | Q1 2018 | Q3 2019 | Q3 2020 |
| 606 Broadway - office/retail (50.0\% interest) | New York | 34,000 |  | 30,000 |  | 17,095 | (6) | 57.0\% | Q2 2016 | Q4 2018 | Q2 2020 |
| 825 Seventh Avenue - office (50.0\% interest) | New York | 165,000 |  | 15,000 |  | 915 |  | 6.1\% | Q2 2018 | Q1 2020 | Q1 2021 |
| One Penn Plaza - renovation | New York | 2,530,000 |  |  |  | 1,610 |  | - | Q4 2017 | N/A | N/A |
| Total current projects |  |  |  |  | \$ | ,020,508 |  |  |  |  |  |


| Future Opportunities: | Segment | Property Zoning Sq. Ft. |
| :---: | :---: | :---: |
| Penn Plaza - multiple opportunities - office/residential/retail | New York | TBD |
| Hotel Pennsylvania - mixed use | New York | 2,052,000 |
| 260 Eleventh Avenue - office | New York | 300,000 |
| Undeveloped Land: |  |  |
| 29, 31, 33 West 57th Street (50.0\% interest) | New York | 150,000 |
| 527 West Kinzie, Chicago | Other | 330,000 |
| Total undeveloped land |  | 480,000 |

(1) Excludes land cost of $\$ 515,426$.
(2) Excludes $\$ 115,230$ for our share of the upfront contribution of $\$ 230,000$. The building is subject to a ground lease which expires in 2116 .
(3) The building is subject to a ground lease which expires in 2115
(4) Excludes land and acquisition costs of $\$ 57,000$.
(5) Excludes land and building costs of $\$ 31,000$.
(6) Excludes land and acquisition costs of $\$ 22,703$

## VORNADO

REALTY TRUST

## CAPITAL EXPENDITURES,

TENANT IMPROVEMENTS AND LEASING COMMISSIONS

## CONSOLIDATED

(unaudited and in thousands, except per square foot amounts)

|  | Year Ended December 31, |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2017 |  | 2016 |  | 2015 |  |
| Capital expenditures (accrual basis): |  |  |  |  |  |  |
| Expenditures to maintain assets | \$ | 100,556 | \$ | 114,031 | \$ | 125,215 |
| Tenant improvements |  | 89,696 |  | 86,630 |  | 153,696 |
| Leasing commissions |  | 30,165 |  | 38,938 |  | 50,081 |
| Non-recurring capital expenditures |  | 80,461 |  | 55,636 |  | 116,875 |
| Total capital expenditures and leasing commissions (accrual basis) |  | 300,878 |  | 295,235 |  | 445,867 |
| Adjustments to reconcile to cash basis: |  |  |  |  |  |  |
| Expenditures in the current period applicable to prior periods |  | 153,511 |  | 268,101 |  | 156,753 |
| Expenditures to be made in future periods for the current period |  | $(142,877)$ |  | $(117,910)$ |  | $(222,469)$ |
| Total capital expenditures and leasing commissions (cash basis) | \$ | 311,512 | \$ | 445,426 | \$ | 380,151 |
|  |  |  |  |  |  |  |
| Our share of square feet leased |  | 2,111 |  | 2,307 |  | 2,751 |
| Tenant improvements and leasing commissions per square foot per annum | \$ | 9.51 | \$ | 7.79 | \$ | 9.10 |
| Percentage of initial rent |  | $\underline{\text { 11.1\% }}$ |  | 10.0\% |  | 9.8\% |


|  | Year Ended December 31, |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2017 |  | 2016 |  |  | 2015 |  |  |
| Development and redevelopment expenditures: |  |  |  |  |  |  |  |  |
| 220 Central Park South | \$ | 265,791 | \$ | 303,974 |  | \$ | 158,014 |  |
| 606 Broadway |  | 15,997 |  | 4,234 |  |  | - |  |
| 90 Park Avenue |  | 7,523 |  | 33,308 |  |  | 29,937 |  |
| Penn Plaza |  | 7,107 |  | 11,904 |  |  | 17,701 |  |
| 345 Montgomery Street (555 California Street) |  | 5,950 |  | 434 |  |  | 114 |  |
| theMART |  | 5,682 |  | 24,788 |  |  | - |  |
| 304 Canal Street |  | 3,973 |  | 5,941 |  |  | 1,405 |  |
| Marriott Marquis Times Square - retail and signage |  | 1,982 |  | 9,283 |  |  | 21,929 |  |
| 640 Fifth Avenue |  | 1,648 |  | 46,282 |  |  | 17,899 |  |
| Wayne Towne Center |  | 1,478 |  | 8,461 |  |  | 20,633 |  |
| 330 West 34th Street |  | 305 |  | 5,492 |  |  | 32,613 |  |
| Other |  | 38,416 |  | 152,464 |  |  | 190,574 | (1) |
|  | \$ | 355,852 | \$ | 606,565 |  | \$ | 490,819 |  |

(1) Primarily relates to our former Washington, DC segment which was spun-off on July 17, 2017.

## VORNADO <br> REALTY TRUST

## CAPITAL EXPENDITURES,

TENANT IMPROVEMENTS AND LEASING COMMISSIONS
NEW YORK SEGMENT
(unaudited and in thousands, except per square foot amounts)

|  | Year Ended December 31, |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2017 |  | 2016 |  | 2015 |  |
| Capital expenditures (accrual basis): |  |  |  |  |  |  |
| Expenditures to maintain assets | \$ | 73,745 | \$ | 67,239 | \$ | 57,752 |
| Tenant improvements |  | 42,475 |  | 63,995 |  | 68,869 |
| Leasing commissions |  | 21,183 |  | 32,475 |  | 35,099 |
| Non-recurring capital expenditures |  | 68,977 |  | 41,322 |  | 81,240 |
| Total capital expenditures and leasing commissions (accrual basis) |  | 206,380 |  | 205,031 |  | 242,960 |
| Adjustments to reconcile to cash basis: |  |  |  |  |  |  |
| Expenditures in the current period applicable to prior periods |  | 101,500 |  | 159,144 |  | 93,105 |
| Expenditures to be made in future periods for the current period |  | $(90,798)$ |  | $(100,151)$ |  | $(118,911)$ |
| Total capital expenditures and leasing commissions (cash basis) | \$ | 217,082 | \$ | 264,024 | \$ | 217,154 |
|  |  |  |  |  |  |  |
| Our share of square feet leased |  | 1,566 |  | 1,932 |  | 1,920 |
| Tenant improvements and leasing commissions per square foot per annum | \$ | 10.21 | \$ | 7.98 | \$ | 10.20 |
| Percentage of initial rent |  | 10.9\% |  | 9.7\% |  | 8.9\% |


|  | Year Ended December 31, |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2017 |  | 2016 |  | 2015 |  |
| Development and redevelopment expenditures: |  |  |  |  |  |  |
| 606 Broadway | \$ | 15,997 | \$ | 4,234 | \$ | - |
| 90 Park Avenue |  | 7,523 |  | 33,308 |  | 29,937 |
| Penn Plaza |  | 7,107 |  | 11,904 |  | 17,701 |
| 304 Canal Street |  | 3,973 |  | 5,941 |  | 1,405 |
| Marriott Marquis Times Square - retail and signage |  | 1,982 |  | 9,283 |  | 21,929 |
| 640 Fifth Avenue |  | 1,648 |  | 46,282 |  | 17,899 |
| 330 West 34th Street |  | 305 |  | 5,492 |  | 32,613 |
| Other |  | 4,839 |  | 1,759 |  | 6,695 |
|  | \$ | 43,374 | \$ | 118,203 | \$ | 128,179 |

## VORNADO

REALTY TRUST
CAPITAL EXPENDITURES,
TENANT IMPROVEMENTS AND LEASING COMMISSIONS
theMART
(unaudited and in thousands)

|  | Year Ended December 31, |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2017 |  | 2016 |  | 2015 |  |
| Capital expenditures (accrual basis): |  |  |  |  |  |  |
| Expenditures to maintain assets | \$ | 11,725 | \$ | 16,343 | \$ | 33,958 |
| Tenant improvements |  | 9,423 |  | 6,722 |  | 30,246 |
| Leasing commissions |  | 1,190 |  | 1,355 |  | 7,175 |
| Non-recurring capital expenditures |  | 1,092 |  | 1,518 |  | 411 |
| Total capital expenditures and leasing commissions (accrual basis) |  | 23,430 |  | 25,938 |  | 71,790 |
| Adjustments to reconcile to cash basis: |  |  |  |  |  |  |
| Expenditures in the current period applicable to prior periods |  | 8,784 |  | 24,314 |  | 16,849 |
| Expenditures to be made in future periods for the current period |  | $(9,011)$ |  | 1,654 |  | $(37,949)$ |
| Total capital expenditures and leasing commissions (cash basis) | \$ | 23,203 | \$ | 51,906 | \$ | 50,690 |
|  |  |  |  |  |  |  |
| Our share of square feet leased |  | 345 |  | 269 |  | 762 |
| Tenant improvements and leasing commissions per square foot per annum | \$ | 5.13 | \$ | 5.57 | \$ | 6.02 |
| Percentage of initial rent |  | 10.8\% |  | 11.6\% |  | 15.6\% |


|  | Year Ended December 31, |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2017 |  | 2016 |  | 2015 |  |
| Development and redevelopment expenditures: |  |  |  |  |  |  |
| Common area enhancements | \$ | 5,682 | \$ | 24,788 | \$ | - |
| Other |  | 459 |  | 1,384 |  | 588 |
|  | \$ | 6,141 | \$ | 26,172 | \$ | 588 |

## VORNADO

REALTY TRUST

## CAPITAL EXPENDITURES,

TENANT IMPROVEMENTS AND LEASING COMMISSIONS

## 555 CALIFORNIA STREET

(unaudited and in thousands)

|  | Year Ended December 31, |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2017 |  | 2016 |  | 2015 |  |
| Capital expenditures (accrual basis): |  |  |  |  |  |  |
| Expenditures to maintain assets | \$ | 7,893 | \$ | 5,704 | \$ | 7,916 |
| Tenant improvements |  | 6,652 |  | 3,201 |  | 3,084 |
| Leasing commissions |  | 2,147 |  | 1,041 |  | 1,046 |
| Non-recurring capital expenditures |  | 6,208 |  | 3,900 |  | 796 |
| Total capital expenditures and leasing commissions (accrual basis) |  | 22,900 |  | 13,846 |  | 12,842 |
| Adjustments to reconcile to cash basis: |  |  |  |  |  |  |
| Expenditures in the current period applicable to prior periods |  | 17,906 |  | 12,708 |  | 10,994 |
| Expenditures to be made in future periods for the current period |  | $(3,301)$ |  | $(3,056)$ |  | 7,618 |
| Total capital expenditures and leasing commissions (cash basis) | \$ | 37,505 | \$ | 23,498 | \$ | 31,454 |
|  |  |  |  |  |  |  |
| Our share of square feet leased |  | 200 |  | 106 |  | 69 |
| Tenant improvements and leasing commissions per square foot per annum | \$ | 10.33 | \$ | 9.08 | \$ | 8.13 |
| Percentage of initial rent |  | 11.7\% |  | 11.8\% |  | 9.7\% |


|  | Year Ended December 31, |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2017 |  | 2016 |  | 2015 |  |
| Development and redevelopment expenditures: |  |  |  |  |  |  |
| 345 Montgomery Street | \$ | 5,950 | \$ | 434 | \$ | 114 |
| Other |  | 6,465 |  | 8,716 |  | 146 |
|  | \$ | 12,415 | \$ | 9,150 | \$ | 260 |

## VORNADO

REALTY TRUST

## CAPITAL EXPENDITURES,

## TENANT IMPROVEMENTS AND LEASING COMMISSIONS

## OTHER

(unaudited and in thousands)

|  | Year Ended December |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2017 |  | 2016 |  | 2015 |  |
| Capital expenditures (accrual basis) ${ }^{(1)}$ : |  |  |  |  |  |  |
| Expenditures to maintain assets | \$ | 7,193 | \$ | 24,745 | \$ | 25,589 |
| Tenant improvements |  | 31,146 |  | 12,712 |  | 51,497 |
| Leasing commissions |  | 5,645 |  | 4,067 |  | 6,761 |
| Non-recurring capital expenditures |  | 4,184 |  | 8,896 |  | 34,428 |
| Total capital expenditures and leasing commissions (accrual basis) |  | 48,168 |  | 50,420 |  | 118,275 |
| Adjustments to reconcile to cash basis: |  |  |  |  |  |  |
| Expenditures in the current period applicable to prior periods |  | 25,321 |  | 71,935 |  | 35,805 |
| Expenditures to be made in future periods for the current period |  | $(39,767)$ |  | $(16,357)$ |  | $(73,227)$ |
| Total capital expenditures and leasing commissions (cash basis) | \$ | 33,722 | \$ | 105,998 | \$ | 80,853 |


|  | Year Ended December 31, |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2017 |  | 2016 |  | 2015 |  |
| Development and redevelopment expenditures: |  |  |  |  |  |  |
| 220 Central Park South | \$ | 265,791 | \$ | 303,974 | \$ | 158,014 |
| Wayne Towne Center |  | 1,478 |  | 8,461 |  | 20,633 |
| Other |  | 26,653 |  | 140,605 ${ }^{(2)}$ |  | 183,145 ${ }^{(2)}$ |
|  | \$ | 293,922 | \$ | 453,040 | \$ | 361,792 |

 Other segment. We have reclassified the prior period capital expenditures and leasing commissions to conform to the current prior period presentation.
(2) Primarily relates to our former Washington, DC segment which was spun-off on July 17, 2017.

## VORNADO

## REALTY TRUST



## VORNADO

## REALTY TRUST

PROPERTY TABLE


## VORNADO

REALTY TRUST

PROPERTY TABLE

| Property | \% Ownership | \% Occupancy | Weighted Average Annual RFPS ${ }^{(1)}$ |  | Square Feet |  |  | $\begin{gathered} \text { Encumbrances } \\ \text { (non-GAAP) } \\ \text { (in thousands) }^{(2)} \end{gathered}$ | Major Tenants |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Total Property | In Service | Under Development or Not Available for Lease |  |  |
| NEW YORK (Continued): |  |  |  |  |  |  |  |  |  |
| Midtown West: |  |  |  |  |  |  |  |  |  |
| 888 Seventh Avenue (ground leased through 2067) |  |  |  |  |  |  |  |  | TPG-Axon Capital, Lone Star US Acquisitions LLC, Pershing Square Capital Management |
| -Retail | $\begin{aligned} & \text { 100.0\% } \\ & \text { 100.0\% } \end{aligned}$ | $\begin{array}{r} 97.3 \% \\ \text { 100.0\% } \end{array}$ | \$ | $\begin{array}{r} 93.26 \\ 260.93 \end{array}$ | $\begin{array}{r} 874,000 \\ 15,000 \\ \hline \end{array}$ | $\begin{array}{r} 874,000 \\ 15,000 \\ \hline \end{array}$ | $-$ | 375,000 | Vornado Executive Headquarters Redeye Grill L.P. |
|  | 100.0\% | 97.3\% |  | 96.09 | 889,000 | 889,000 | - | 375,000 |  |
| 57th Street - 2 buildings |  |  |  |  |  |  |  |  |  |
| -Office | 50.0\% | 84.6\% |  | 47.87 | 81,000 | 81,000 | - | 20,000 |  |
| -Retail | 50.0\% | 100.0\% |  | 134.77 | 22,000 | 22,000 | - | - |  |
|  | 50.0\% | 87.9\% |  | 66.43 | 103,000 | 103,000 | - | 20,000 |  |
| 825 Seventh Avenue |  |  |  |  |  |  |  |  |  |
| -Office | 50.0\% | 100.0\% |  | 78.70 | 165,000 | 165,000 | - | 20,500 | Young \& Rubicam |
| -Retail | 100.0\% | 100.0\% |  | 272.80 | 4,000 | 4,000 | - | - | Lindy's |
|  | 51.2\% | 100.0\% |  | 83.29 | 169,000 | 169,000 | - | 20,500 |  |
| Total Midtown West |  |  |  |  | 1,161,000 | 1,161,000 | - | 415,500 |  |
| Park Avenue: |  |  |  |  |  |  |  |  |  |
| 280 Park Avenue |  |  |  |  |  |  |  |  | Cohen \& Steers Inc., GIC Inc., Franklin Templeton Co. LLC, |
| -Office | 50.0\% | 97.3\% |  | 100.58 | 1,228,000 | 1,228,000 | - | 1,200,000 | PJT Partners, Investcorp International Inc., Wells Fargo |
| -Retail | 50.0\% | 100.0\% |  | 99.64 | 26,000 | 26,000 | - | - | Scottrade Inc., Starbucks, The Four Seasons Restaurant |
|  | 50.0\% | 97.4\% |  | 100.56 | 1,254,000 | 1,254,000 | - | 1,200,000 |  |
| 350 Park Avenue |  |  |  |  |  |  |  |  | Kissinger Associates Inc., Ziff Brothers Investment Inc., |
| -Office | 100.0\% | 100.0\% |  | 105.84 | 554,000 | 554,000 | - | 400,000 | MFA Financial Inc., M\&T Bank |
| -Retail | 100.0\% | 100.0\% |  | 264.76 | 17,000 | 17,000 | - | - | Fidelity Investments, AT\&T Wireless, Valley National Bank |
|  | 100.0\% | 100.0\% |  | 110.57 | 571,000 | 571,000 | - | 400,000 |  |
| Total Park Avenue |  |  |  |  | 1,825,000 | 1,825,000 | - | 1,600,000 |  |
| Grand Central: |  |  |  |  |  |  |  |  |  |
| 90 Park Avenue |  |  |  |  |  |  |  |  | Alston \& Bird, Capital One, PwC |
| -Office | 100.0\% | 98.3\% |  | 77.87 | 937,000 | 937,000 | - |  | Factset Research Systems Inc., Foley \& Lardner |
| -Retail | 100.0\% | 100.0\% |  | 131.17 | 24,000 | 24,000 | 二 |  | Citibank, Starbucks |
|  | 100.0\% | 98.3\% |  | 79.20 | 961,000 | 961,000 | - | - |  |
| 330 Madison Avenue |  |  |  |  |  |  |  |  | Guggenheim Partners LLC, HSBC Bank AFS, Glencore Ltd., |
| -Office | 25.0\% | 98.1\% |  | 75.58 | 813,000 | 813,000 | - | 500,000 | Jones Lang LaSalle Inc., Wells Fargo, American Century |
| -Retail | 25.0\% | 100.0\% |  | 318.30 | 33,000 | 33,000 | - | 二 | Ann Taylor Retail Inc., Citibank, Starbucks |
|  | 25.0\% | 98.1\% |  | 85.04 | 846,000 | 846,000 | - | 500,000 |  |
| 510 Fifth Avenue |  |  |  |  |  |  |  |  |  |
| -Retail | 100.0\% | 100.0\% |  | 147.19 | 66,000 | 66,000 | - | - | The North Face, Elie Tahari |
| Total Grand Central |  |  |  |  | 1,873,000 | 1,873,000 | - | 500,000 |  |

NEW YORK SEGMENT


## VORNADO

## REALTY TRUST

## PROPERTY TABLE



## VORNADO

## REALTY TRUST

## NEW YORK SEGMENT



## VORNADO <br> REALTY TRUST



## NEW YORK SEGMENT

| Property | $\begin{gathered} \text { \% } \\ \text { Ownership } \end{gathered}$ | $\begin{gathered} \text { \% } \\ \text { Occupancy } \end{gathered}$ | Weighted Average Annual RentPSF ${ }^{(1)}$ |  | Square Feet |  |  | $\begin{aligned} & \text { Encumbrances } \\ & \text { (non-GAAP) }^{\text {(in thousands) }}{ }^{(2)} \end{aligned}$ |  | Major Tenants |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Total Property | In Service | Under Development or Not Available for Lease |  |  |  |
| NEW YORK（Continued）： |  |  |  |  |  |  |  |  |  |  |
| ALEXANDER＇S，INC．： |  |  |  |  |  |  |  |  |  |  |
| New York： |  |  |  |  |  |  |  |  |  |  |
| 731 Lexington Avenue，Manhattan |  |  |  |  |  |  |  |  |  |  |
| －Office <br> －Retail | 32．4\％ | 100．0\％ | \＄ | 115.33 | 889，000 | 889，000 | － | \＄ | 500，000 | Bloomberg <br> Hennes \＆Mauritz，The Home Depot，The Container Store |
|  | 32．4\％ | 99．4\％ |  | 181.72 | 174，000 | 174，000 | － |  | 350，000 |  |
|  | 32．4\％ | 99．9\％ |  | 125.27 | 1，063，000 | 1，063，000 | － |  | 850，000 |  |
|  |  |  |  |  |  |  |  |  |  | Sears，Burlington Coat Factory， |
| Rego Park I，Queens（4．8 acres） | 32．4\％ | 100．0\％ |  | 40.78 | 343，000 | 343，000 | － |  | 78，246 | Bed Bath \＆Beyond，Marshalls |
| Rego Park II（adiacent to Rego Park I），Queens（6．6 acres） |  |  |  |  |  |  |  |  |  |  |
|  | 32．4\％ | 99．9\％ |  | 44.72 | 609，000 | 609，000 | － |  | 256，194 | Century 21，Costco，Kohl＇s，TJ Maxx，Toys＂R＂Us |
| Flushing，Queens（5）（1．0 acre） | 32．4\％ | 100．0\％ |  | 17.36 | 167，000 | 167，000 | － |  | － | New World Mall LLC |
| The Alexander Apartment Tower， Rego Park，Queens，NY |  |  |  |  |  |  |  |  |  |  |
| Residential（312 units） | 32．4\％ | 94．6\％ |  | － | 255，000 | 255，000 | － |  | － |  |
| New Jersey： |  |  |  |  |  |  |  |  |  |  |
| Paramus，New Jersey |  |  |  |  |  |  |  |  |  |  |
| Property to be Developed： |  |  |  |  |  |  |  |  |  |  |
| Rego Park III（adjacent to Rego Park II）， <br> Queens，NY（3．4 acres） |  |  |  |  |  |  |  |  |  |  |
| Total Alexander＇s | 32．4\％ | 99．3\％ |  | 77.39 | 2，437，000 | 2，437，000 | 二 |  | 1，252，440 |  |
| Hotel Pennsylvania： |  |  |  |  |  |  |  |  |  |  |
| －Hotel（1，700 Keys） | 100．0\％ | － |  | － | 1，400，000 | 1，400，000 | 二 |  | 二 |  |
| Total New York |  | 97．4\％ | \＄ | 87.95 | 29，665，000 | 28，381，000 | 1，284，000 | \＄ | 12，011，621 |  |
| Vornado＇s Ownership Interest |  | 97．2\％ | \＄ | 75.11 | 23，139，000 | 22，478，000 | 661，000 | \＄ | 8，999，939 |  |

## Lease not yet commenced．


（2）Represents the contractual debt obligations．
（3）Excludes US Post Office leased through 2038 （including three five－year renewal options）for which the annual escalated rent is $\$ 12.31$ PSF．
 Fifth Avenue Office Condominium
（5）Leased by Alexander＇s through January 2037.

## VORNADO

## REALTY TRUS

## OTHER



## Lease not yet commenced

(1) Weighted average annual rent per square foot excludes ground rent, storage rent and garages.
(2) Represents the contractual debt obligations.

## VORNADO

## REALTY TRUST

REAL ESTATE FUND
PROPERTY TABLE

| Property |  | $\begin{gathered} \text { \% } \\ \text { Occupancy } \end{gathered}$ | Weighted Average Annual Rent PSF |  | Square Feet |  |  | $\begin{gathered} \text { Encumbrances } \\ (\text { non-GAAP) } \\ \text { (in thousands) }^{(2)} \end{gathered}$ |  | Major Tenants |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Total Property | In Service | Under Development or Not Available for Lease |  |  |  |
| VORNADO CAPITAL PARTNERS REAL ESTATE FUND: |  |  |  |  |  |  |  |  |  |  |
| New York, NY: |  |  |  |  |  |  |  |  |  |  |
| Lucida, 86th Street and Lexington Avenue (ground leased through 2082) |  |  |  |  |  |  |  |  |  | Barnes \& Noble, Hennes \& Mauritz, |
| - Residential (39 units) | $\begin{aligned} & \text { 100.0\% } \\ & \text { 100.0\% } \end{aligned}$ | $\begin{gathered} \text { 100.0\% } \\ 89.7 \% \end{gathered}$ | \$ | 232.03 | $\begin{aligned} & 96,000 \\ & 59,000 \\ & \hline \end{aligned}$ | $\begin{array}{r} 96,000 \\ 59,000 \\ \hline \end{array}$ | 二 |  |  | Sephora, Bank of America |
|  | 100.0\% |  |  |  | 155,000 | 155,000 | - | \$ | 145,639 |  |
| 11 East 68th Street Retail ${ }^{(3)}$ | 100.0\% | 100.0\% |  | 711.99 | 11,000 | 11,000 | - |  | 60,000 | Belstaff, Kent \& Curwen, Rag \& Bone |
| Crowne Plaza Times Square <br> - Hotel (795 Keys) |  |  |  |  |  |  |  |  |  |  |
| - Retail | 75.3\% | 100.0\% |  | 100.07 | 44,000 | 44,000 | - |  |  |  |
| - Office | 75.3\% | 61.9\% |  | 63.51 | 197,000 | 197,000 | - |  |  | American Management Association |
|  | 75.3\% | 68.9\% |  | 70.18 | 241,000 | 241,000 | - |  | 310,000 |  |
| 501 Broadway | 100.0\% | 100.0\% |  | 263.38 | 9,000 | 9,000 | - |  | 23,000 | Capital One Financial Corporation |
| Miami, FL: |  |  |  |  |  |  |  |  |  |  |
| 1100 Lincoln Road |  |  |  |  |  |  |  |  |  |  |
| - Retail | 100.0\% | 74.5\% |  | 171.56 | 51,000 | 49,000 | 2,000 |  |  | Banana Republic |
| - Theatre | 100.0\% | 100.0\% |  | 39.29 | 79,000 | 79,000 | - |  |  | Regal Cinema |
|  | 100.0\% | 90.2\% |  | 81.23 | 130,000 | 128,000 | 2,000 |  | 82,750 |  |
| Total Real Estate Fund | 89.1\% | 83.8\% |  |  | 546,000 | 544,000 | 2,000 | \$ | 621,389 |  |
| Vornado's Ownership Interest | 28.5\% | 80.2\% |  |  | 156,000 | 155,000 | 1,000 | \$ | 136,205 |  |

(1) Weighted average annual rent per square foot excludes ground rent, storage rent, garages and residential.
(2) Represents the contractual debt obligations
(3) Sold on January 17, 2018

## VORNADO

REALTY TRUST

## OTHER

## PROPERTY TABLE


(1) Weighted average annual rent per square foot excludes ground rent, storage rent, garages and residential.
(2) Owned by tenant on land leased from the company.
(3) Represents the contractual debt obligations.
(4) We have reclassified our $49.5 \%$ interest in 666 Fifth Avenue Office Condominium from "New York" to "Other" in all periods presented because we do not intend to hold this asset on a long-term basis.
(5) Reclassified to Other from our former Washington, DC segment.

## APPENDIX <br> NON-GAAP RECONCILIATIONS

## VORNADO <br> REALTY TRUS

## NON-GAAP RECONCILIATIONS

RECONCILIATION OF NET INCOME (LOSS) ATTRIBUTABLE TO COMMON SHAREHOLDERS TO NET INCOME, AS ADJUSTED
(unaudited and in thousands, except per share amounts)

Net income (loss) attributable to common shareholders Per diluted share


Certain items that impact net income (loss) attributable to common shareholders
JBG SMITH Properties which is treated as a discontinued operation:

| Transaction costs |  | \$ | $(1,617)$ | \$ | $(11,989)$ | \$ | $(53,581)$ | \$ | $(68,662)$ | \$ | $(16,586)$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Operating results through July 17, 2017 spin-off |  |  | - |  | 20,523 |  | 3,950 |  | 47,752 |  | 87,237 |
|  |  |  | $(1,617)$ |  | 8,534 |  | $(49,631)$ |  | $(20,910)$ |  | 70,651 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Tax expense related to the reduction of our taxable REIT subsidiaries deferred tax assets |  |  | $(34,800)$ |  | - |  | - |  | $(34,800)$ |  | - |
| Expense related to the prepayment of our 2.50\% senior unsecured notes due 2019 |  |  | $(4,836)$ |  | - |  | - |  | $(4,836)$ |  | - |
| 666 Fifth Avenue Office Condominium (49.5\% interest) ${ }^{(1)}$ |  |  | $(3,042)$ |  | $(7,869)$ |  | $(4,323)$ |  | $(25,414)$ |  | $(41,532)$ |
| Income (loss) from real estate fund investments, net |  |  | 529 |  | $(34,704)$ |  | $(7,794)$ |  | $(10,804)$ |  | $(21,042)$ |
| Net gain on extinguishment of Skyline properties debt |  |  | - |  | 487,877 |  | - |  | - |  | 487,877 |
| Income from the repayment of our investments in 85 Tenth Avenue loans and preferred equity |  |  | - |  | 160,843 |  | - |  | - |  | 160,843 |
| Net gain on sale on our 20\% interest in Fairfax Square |  |  | - |  | 15,302 |  | - |  | - |  | 15,302 |
| Our share of impairment on India non-depreciable real estate |  |  | - |  | $(13,962)$ |  | - |  | - |  | $(13,962)$ |
| Default interest on Skyline properties mortgage loan |  |  | - |  | $(2,480)$ |  | - |  | - |  | $(7,823)$ |
| Impairment loss on our investment in Pennsylvania REIT |  |  | - |  | - |  | $(44,465)$ |  | $(44,465)$ |  | - |
| Net gain resulting from Urban Edge Properties operating partnership unit issuances |  |  | - |  | - |  | 5,200 |  | 21,100 |  | - |
| Our share of write-off of deferred financing costs |  |  | - |  | - |  | $(3,819)$ |  | $(3,819)$ |  | - |
| Our share of net gain on sale of property of Suffolk Downs JV |  |  | - |  | - |  | - |  | 15,314 |  | - |
| Net gain on repayment of Suffolk Downs JV debt investments |  |  | - |  | - |  | - |  | 11,373 |  | - |
| Skyline properties impairment loss |  |  | - |  | - |  | - |  | - |  | $(160,700)$ |
| Net gain on sale of 47\% ownership interest in 7 West 34th Street |  |  | - |  | - |  | - |  | - |  | 159,511 |
| Preferred share issuance costs (Series J redemption) |  |  | - |  | - |  | - |  | - |  | $(7,408)$ |
| Other |  |  | 3,084 |  | $(2,942)$ |  | $(3,197)$ |  | 2,060 |  | $(8,298)$ |
|  |  |  | $(40,682)$ |  | 610,599 |  | $(108,029)$ |  | $(95,201)$ |  | 633,419 |
| Noncontrolling interests' share of above adjustments |  |  | 2,522 |  | $(37,185)$ |  | 6,719 |  | 6,267 |  | $(38,972)$ |
| Total of certain items that impact net (loss) income attributable to common shareholders, net | (B) | \$ | $(38,160)$ | \$ | 573,414 | \$ | $(101,310)$ | \$ | $(88,934)$ | \$ | 594,447 |
| Per diluted share (non-GAAP) |  | \$ | (0.20) | \$ | 3.02 | \$ | (0.53) | \$ | (0.46) | \$ | 3.13 |
| Net income attributable to common shareholders, as adjusted (non-GAAP) | (A-B) | \$ | 65,479 | \$ | 77,767 | \$ | 72,284 | \$ | 250,951 | \$ | 229,159 |
| Per diluted share (non-GAAP) |  | \$ | 0.34 | \$ | 0.41 | \$ | 0.38 | \$ | 1.31 | \$ | 1.21 |

[^7]
## VORNADO

REALTY TRUST
NON-GAAP RECONCILIATIONS
RECONCILIATION OF NET INCOME (LOSS) ATTRIBUTABLE TO COMMON SHAREHOLDERS TO FFO
(unaudited and in thousands, except per share amounts)

|  |  | Three Months Ended |  |  |  |  |  | Year Ended December 31, |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | December 31, |  |  |  | $\begin{gathered} \text { September 30, } \\ 2017 \end{gathered}$ |  |  |  |  |  |
|  |  | 2017 |  | 2016 |  |  |  | 2017 |  | 2016 |  |
| Reconciliation of our net income (loss) attributable to common shareholders to FFO (non-GAAP): |  |  |  |  |  |  |  |  |  |  |  |
| Net income (loss) attributable to common shareholders | (A) | \$ | 27,319 | \$ | 651,181 | \$ | $(29,026)$ | \$ | 162,017 | \$ | 823,606 |
| Per diluted share |  | \$ | 0.14 | \$ | 3.43 | \$ | (0.15) | \$ | 0.85 | \$ | 4.34 |
| FFO adjustments: |  |  |  |  |  |  |  |  |  |  |  |
| Depreciation and amortization of real property |  | \$ | 106,017 | \$ | 133,389 | \$ | 102,953 | \$ | 467,966 | \$ | 531,620 |
| Net gains on sale of real estate |  |  | 308 |  | $(15,302)$ |  | $(1,530)$ |  | $(3,489)$ |  | $(177,023)$ |
| Real estate impairment losses |  |  | - |  | - |  | - |  | - |  | 160,700 |
| Proportionate share of adjustments to equity in net income of partially owned entities to arrive at FFO: |  |  |  |  |  |  |  |  |  |  |  |
| Depreciation and amortization of real property |  |  | 28,247 |  | 37,160 |  | 31,997 |  | 137,000 |  | 154,795 |
| Net gains on sale of real estate |  |  | (593) |  | (12) |  | 8 |  | $(17,777)$ |  | $(2,853)$ |
| Real estate impairment losses |  |  | 145 |  | 792 |  | 4,329 |  | 7,692 |  | 6,328 |
|  |  |  | 134,124 |  | 156,027 |  | 137,757 |  | 591,392 |  | 673,567 |
| Noncontrolling interests' share of above adjustments |  |  | $(8,310)$ |  | $(9,495)$ |  | $(8,572)$ |  | $(36,728)$ |  | $(41,267)$ |
| FFO adjustments, net | (B) | \$ | 125,814 | \$ | 146,532 | \$ | 129,185 | \$ | 554,664 | \$ | $\underline{632,300}$ |
|  |  |  |  |  |  |  |  |  |  |  |  |
| FFO attributable to common shareholders (non-GAAP) | ( $\mathrm{A}+\mathrm{B}$ ) | \$ | 153,133 | \$ | 797,713 | \$ | 100,159 | \$ | 716,681 | \$ | 1,455,906 |
| Convertible preferred share dividends |  |  | 18 |  | 21 |  | 19 |  | 77 |  | 86 |
| Earnings allocated to Out-Performance Plan units |  |  | - |  | - |  | - |  | 1,047 |  | 1,591 |
| FFO attributable to common shareholders plus assumed conversions (non-GAAP) |  |  | 153,151 |  | 797,734 |  | 100,178 |  | 717,805 |  | 1,457,583 |
| Add back of income allocated to noncontrolling interests of the Operating Partnership |  |  | 10,372 |  | 52,759 |  | 6,776 |  | 47,401 |  | 94,902 |
| FFO - OP Basis (non-GAAP) |  | \$ | 163,523 | \$ | 850,493 | \$ | 106,954 | \$ | 765,206 | \$ | 1,552,485 |
| FFO per diluted share (non-GAAP) |  | \$ | 0.80 | \$ | 4.20 | \$ | 0.52 | \$ | 3.75 | \$ | 7.66 |

## VORNADO <br> REALTY TRUST

## NON-GAAP RECONCILIATIONS

RECONCILIATION OF FFO TO FFO, AS ADJUSTED

| (unaudited and in thousands, except per share amounts) |
| :--- |
| FFO atributable to common shareholders plus assumed conversions (non-GAAP) |
| Per diluted share (non-GAAP) |
| Certain items that impact FFO: |
| JBG SMITH Properties which is treated as a discontinued operation: |
| Transaction costs |
| Operating results through July 17, 2017 spin-off |

(1) Included in "certain items that impact FFO" because we do not have the intent to hold this asset on a long-term basis.

## VORNADO

REALTY TRUST

## NON-GAAP RECONCILIATIONS

 RECONCILIATION OF FFO TO FAD(unaudited and in thousands, except per share amounts)

|  |  | Three Months Ended |  |  |  |  |  | Year Ended December 31, |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | December 31, |  |  |  | September 30, 2017 |  |  |  |  |  |
|  |  | 2017 |  | 2016 |  |  |  | 2017 |  | 2016 |  |
| FFO atributable to common shareholders plus assumed conversions (non-GAAP) | (A) | \$ | 153,151 | \$ | 797,734 | \$ | 100,178 | \$ | 717,805 | \$ | 1,457,583 |
| Adjustments to arrive at FAD (non-GAAP): |  |  |  |  |  |  |  |  |  |  |  |
| Adjustments to FFO per page iii, excluding FFO from discontinued operations and sold properties |  |  | $(36,758)$ |  | 584,347 |  | $(100,672)$ |  | $(119,025)$ |  | 586,270 |
| Recurring tenant improvements, leasing commissions and other capital expenditures |  |  | 62,636 |  | 124,014 |  | 64,520 |  | 276,997 |  | 386,733 |
| Amortization of acquired below-market leases, net |  |  | 10,908 |  | 11,068 |  | 10,660 |  | 45,043 |  | 51,370 |
| Straight-lining of rents |  |  | 8,041 |  | 27,827 |  | 9,170 |  | 45,792 |  | 146,787 |
| Amortization of debt issuance costs |  |  | $(9,236)$ |  | $(8,402)$ |  | $(6,220)$ |  | $(32,790)$ |  | $(34,714)$ |
| Stock-based compensation expense |  |  | $(5,510)$ |  | $(6,077)$ |  | $(5,693)$ |  | $(32,829)$ |  | $(33,980)$ |
| Non real estate depreciation |  |  | $(1,629)$ |  | $(2,522)$ |  | $(1,671)$ |  | $(7,333)$ |  | $(7,799)$ |
| Noncontrolling interests' share of above adjustments |  |  | $(1,764)$ |  | $(44,473)$ |  | 1,860 |  | $(10,903)$ |  | $(66,782)$ |
|  | (B) |  | 26,688 |  | 685,782 |  | $(28,046)$ |  | 164,952 |  | 1,027,885 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| FAD (non-GAAP) | (A-B) | \$ | 126,463 | \$ | 111,952 | \$ | 128,224 | \$ | 552,853 | \$ | 429,698 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| FAD payout ratio ${ }^{(1)}$ |  |  | 90.9\% |  | 106.8\% |  | 89.6\% |  | 90.7\% |  | 111.5\% |

 seasonality of our operations.

## VORNADO

REALTY TRUST

## NON-GAAP RECONCILIATIONS

RECONCILIATION OF NET INCOME (LOSS) TO NET OPERATING INCOME AT SHARE
(unaudited and in thousands)

|  | For the Three Months Ended |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | December 31, |  |  |  | September 30, 2017 |  | For the Year Ended December 31, |  |  |  |
|  | 2017 |  | 2016 |  |  |  | 2017 |  | 2016 |  |
| Net income (loss) | \$ | 53,551 | \$ | 704,544 | \$ | $(10,754)$ | \$ | 264,128 | \$ | 981,922 |
| Deduct: |  |  |  |  |  |  |  |  |  |  |
| Our share of (income) loss from partially owned entities |  | $(9,622)$ |  | $(165,056)$ |  | 41,801 |  | $(15,200)$ |  | $(168,948)$ |
| Our share of (income) loss from real estate fund investments |  | $(4,889)$ |  | 52,352 |  | 6,308 |  | $(3,240)$ |  | 23,602 |
| Interest and other investment income, net |  | $(9,993)$ |  | $(9,427)$ |  | $(9,306)$ |  | $(37,793)$ |  | $(29,548)$ |
| Net gains on disposition of wholly owned and partially owned assets |  | - |  | (208) |  | - |  | (501) |  | $(160,433)$ |
| (Income) loss from discontinued operations |  | $(1,273)$ |  | $(509,116)$ |  | 47,930 |  | 13,228 |  | $(404,912)$ |
| NOI attributable to noncontrolling interests in consolidated subsidiaries |  | $(16,533)$ |  | $(16,083)$ |  | $(16,171)$ |  | $(65,311)$ |  | $(66,182)$ |
| Add: |  |  |  |  |  |  |  |  |  |  |
| Depreciation and amortization expense |  | 114,166 |  | 104,640 |  | 104,972 |  | 429,389 |  | 421,023 |
| General and administrative expense |  | 36,838 |  | 36,957 |  | 36,261 |  | 158,999 |  | 149,550 |
| Acquisition and transaction related costs |  | 703 |  | 2,754 |  | 61 |  | 1,776 |  | 9,451 |
| NOI from partially owned entities |  | 69,175 |  | 75,142 |  | 66,876 |  | 269,164 |  | 271,114 |
| Interest and debt expense |  | 93,073 |  | 80,206 |  | 85,068 |  | 345,654 |  | 330,240 |
| Income tax expense (benefit) |  | 38,661 |  | $(1,692)$ |  | 1,188 |  | 41,090 |  | 7,229 |
| NOI at share |  | 363,857 |  | 355,013 |  | 354,234 |  | 1,401,383 |  | 1,364,108 |
| Non cash adjustments for straight-line rents, amortization of acquired below-market leases, net and other |  | $(21,579)$ |  | $(36,370)$ |  | $(22,307)$ |  | $(86,842)$ |  | $(170,477)$ |
| NOI at share - cash basis | \$ | 342,278 | \$ | 318,643 | \$ | 331,927 | \$ | 1,314,541 | \$ | 1,193,631 |

## VORNADO <br> REALTY TRUST

## NON-GAAP RECONCILIATIONS

NET OPERATING INCOME AT SHARE COMPONENTS
(unaudited and in thousands)

For the Three Months Ended December 31,

New York
Other
Consolidated total
Noncontrolling interests' share in consolidated subsidiaries
Our share of partially owned entities
Vornado's share

| Total Revenues |  |  |  | Operating Expenses |  |  |  | NOI |  |  |  | Non-cash Adjustments ${ }^{(1)}$ |  |  |  | NOI - cash basis |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2017 |  | 2016 |  | 2017 |  | 2016 |  | 2017 |  | 2016 |  | 2017 |  | 2016 |  | 2017 |  | 2016 |  |
| \$ | 462,597 | \$ | 443,910 | \$ | 195,421 | \$ | 182,762 | \$ | 267,176 | \$ | 261,148 | \$ | $(17,761)$ | \$ | $(28,543)$ | \$ | 249,415 | \$ | 232,605 |
|  | 73,629 |  | 70,064 |  | 29,590 |  | 35,258 |  | 44,039 |  | 34,806 |  | 160 |  | $(3,556)$ |  | 44,199 |  | 31,250 |
|  | 536,226 |  | 513,974 |  | 225,011 |  | 218,020 |  | 311,215 |  | 295,954 |  | $(17,601)$ |  | $(32,099)$ |  | 293,614 |  | 263,855 |
|  | $(26,594)$ |  | $(26,088)$ |  | $(10,061)$ |  | $(10,005)$ |  | $(16,533)$ |  | $(16,083)$ |  | 315 |  | 3,811 |  | $(16,218)$ |  | $(12,272)$ |
|  | 114,677 |  | 121,009 |  | 45,502 |  | 45,867 |  | 69,175 |  | 75,142 |  | $(4,293)$ |  | $(8,082)$ |  | 64,882 |  | 67,060 |
| \$ | 624,309 | \$ | 608,895 | \$ | 260,452 | \$ | 253,882 | \$ | 363,857 | \$ | 355,013 | \$ | $(21,579)$ | \$ | $(36,370)$ | \$ | 342,278 | \$ | 318,643 |

For the Year Ended December 31,

New York
Other
Consolidated total
Noncontrolling interests' share in consolidated subsidiaries
Our share of partially owned entities
Vornado's share
(1)

1) Includes adjustments for straight-line rents, amortization of acquired below-market leases, net and other.

## VORNADO <br> REALTY TRUST

## NET OPERATING INCOME AT SHARE BY REGION (NON-GAAP)

(unaudited)

The following tables set forth the percentages of NOI by geographic region.

|  | Three Months Ended December 31, |  | Year Ended December 31, |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 2017 | 2016 | 2017 | 2016 |
| Region: |  |  |  |  |
| New York | 89\% | 90\% | 89\% | 89\% |
| theMART, Chicago (included in "Other" segment) | 7\% | 7\% | 8\% | 8\% |
| 555 California Street, San Francisco (included in "Other" segment) | 4\% | 3\% | 3\% | 3\% |
|  | 100\% | 100\% | 100\% | 100\% |

## VORNADO

REALTY TRUST

## NON-GAAP RECONCILIATIONS

RECONCILIATION OF NOI AT SHARE TO SAME STORE NOI AT SHARE
(unaudited and in thousands)

|  | New York |  | theMART |  | 555 California Street |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| NOI at share (non-GAAP) for the three months ended December 31, 2017 | \$ | 304,228 | \$ | 24,249 | \$ | 12,003 |
| Less NOI at share from: |  |  |  |  |  |  |
| Acquisitions |  | $(4,817)$ |  | (46) |  | - |
| Dispositions |  | (79) |  | - |  | - |
| Development properties placed into and out of service |  | 161 |  | - |  | - |
| Lease termination income, net of straight-line and FAS 141 adjustments |  | (984) |  | - |  | - |
| Other non-operating income, net |  | (12) |  | - |  | - |
| Same store NOI at share (non-GAAP) for the three months ended December 31, 2017 | \$ | 298,497 | \$ | 24,203 | \$ | 12,003 |
|  |  |  |  |  |  |  |
| NOI at share (non-GAAP) for the three months ended December 31, 2016 | \$ | 290,784 | \$ | 22,749 | \$ | 10,578 |
| Less NOI at share from: |  |  |  |  |  |  |
| Acquisitions |  | 36 |  | - |  | - |
| Dispositions |  | (106) |  | - |  | - |
| Development properties placed into and out of service |  | (280) |  | - |  | 296 |
| Lease termination expense (income), net of straight-line and FAS 141 adjustments |  | 586 |  | (157) |  | - |
| Other non-operating income, net |  | (679) |  | - |  | - |
| Same store NOI at share (non-GAAP) for the three months ended December 31, 2016 | \$ | 290,341 | \$ | 22,592 | \$ | 10,874 |
|  |  |  |  |  |  |  |
| Increase in same store NOI at share for the three months ended December 31, 2017 compared to December 31, 2016 | \$ | 8,156 | \$ | 1,611 | \$ | 1,129 |
|  |  |  |  |  |  |  |
| \% increase in same store NOI at share |  | 2.8\% |  | 7.1\% |  | 10.4\% |

## VORNADO

REALTY TRUST

## NON-GAAP RECONCILIATIONS

RECONCILIATION OF NOI AT SHARE TO SAME STORE NOI AT SHARE
(unaudited and in thousands)

|  | New York |  | theMART |  | 555 California Street |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| NOI at share (non-GAAP) for the year ended December 31, 2017 | \$ | 1,166,065 | \$ | 102,339 | \$ | 47,588 |
| Less NOI at share from: |  |  |  |  |  |  |
| Acquisitions |  | $(20,027)$ |  | 164 |  | - |
| Dispositions |  | (698) |  | - |  | - |
| Development properties placed into and out of service |  | 816 |  | - |  | - |
| Lease termination income, net of straight-line and FAS 141 adjustments |  | $(1,973)$ |  | (20) |  | - |
| Other non-operating income, net |  | $(2,303)$ |  | - |  | - |
| Same store NOI at share (non-GAAP) for the year ended Other non-operating income | \$ | 1,141,880 | \$ | 102,483 | \$ | 47,588 |
|  |  |  |  |  |  |  |
| NOI at share (non-GAAP) for the year ended December 31, 2016 | \$ | 1,108,526 | \$ | 98,498 | \$ | 45,848 |
| Less NOI at share from: |  |  |  |  |  |  |
| Acquisitions |  | (60) |  | - |  | - |
| Dispositions |  | $(3,107)$ |  | - |  | - |
| Development properties placed into and out of service |  | 82 |  | - |  | 1,079 |
| Lease termination expense (income), net of straight-line and FAS 141 adjustments |  | 10,559 |  | (157) |  | (238) |
| Other non-operating income, net |  | $(3,610)$ |  | - |  | - |
| Same store NOI at share (non-GAAP) for the year ended December 31, 2016 | \$ | 1,112,390 | \$ | 98,341 | \$ | 46,689 |
|  |  |  |  |  |  |  |
| Increase in same store NOI at share for the year ended December 31, 2017 compared to December 31, 2016 | \$ | 29,490 | \$ | 4,142 | \$ | 899 |
|  |  |  |  |  |  |  |
| \% increase in same store NOI at share |  | 2.7\% |  | $4.2 \%{ }^{(1)}$ |  | 1.9\% |

(1) The year ended December 31, 2016 includes a $\$ 2,000$ reversal of an expense accrued in 2015. Excluding this amount, same store NOI increased by $6.4 \%$.

## VORNADO

REALTY TRUST

## NON-GAAP RECONCILIATIONS

RECONCILIATION OF NOI AT SHARE TO SAME STORE NOI AT SHARE

| (unaudited and in thousands) |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | New York |  | theMART |  | 555 California Street |  |
| NOI at share (non-GAAP) for the three months ended December 31, 2017 | \$ | 304,228 | \$ | 24,249 | \$ | 12,003 |
| Less NOI at share from: |  |  |  |  |  |  |
| Acquisitions |  | 2 |  | (46) |  | - |
| Dispositions |  | (8) |  | - |  | - |
| Development properties placed into and out of service |  | 161 |  | - |  | - |
| Lease termination income, net of straight-line and FAS 141 adjustments |  | (984) |  | - |  | - |
| Other non-operating income, net |  | (13) |  | - |  | - |
| Same store NOI at share (non-GAAP) for the three months ended December 31, 2017 | \$ | 303,386 | \$ | 24,203 | \$ | 12,003 |
|  |  |  |  |  |  |  |
| NOI at share (non-GAAP) for the three months ended September 30, 2017 | \$ | 298,494 | \$ | 26,019 | \$ | 11,519 |
| Less NOI at share from: |  |  |  |  |  |  |
| Acquisitions |  | - |  | 41 |  | - |
| Dispositions |  | (15) |  | - |  | - |
| Development properties placed into and out of service |  | 192 |  | - |  | - |
| Lease termination income, net of straight-line and FAS 141 adjustments |  | (185) |  | - |  | - |
| Other non-operating income, net |  | (584) |  | - |  | - |
| Same store NOI at share (non-GAAP) for the three months ended September 30, 2017 | \$ | 297,902 | \$ | 26,060 | \$ | 11,519 |
|  |  |  |  |  |  |  |
| Increase (decrease) in same store NOI at share for the three months ended December 31, 2017 compared to September 30, 2017 | \$ | 5,484 | \$ | $(1,857)$ | \$ | 484 |
|  |  |  |  |  |  |  |
| \% increase (decrease) in same store NOI at share |  | 1.8\% |  | ${ }^{(7.1) \%}{ }^{(1)}$ |  | 4.2\% |

(1) Excluding tradeshows seasonality, same store NOI increased by $0.3 \%$.

## VORNADO

REALTY TRUST

## NON-GAAP RECONCILIATIONS

RECONCILIATION OF NOI AT SHARE - CASH BASIS TO SAME STORE NOI AT SHARE - CASH BASIS

| (unaudited and in thousands) | New York |  | theMART |  | 555 California Street |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |
| NOI at share - cash basis (non-GAAP) for the three months ended December 31, 2017 | \$ | 282,787 | \$ | 24,396 | \$ | 11,916 |
| Less NOI at share - cash basis from: |  |  |  |  |  |  |
| Acquisitions |  | $(3,987)$ |  | (46) |  | - |
| Dispositions |  | (79) |  | - |  | - |
| Development properties placed into and out of service |  | 160 |  | - |  | - |
| Lease termination income |  | $(1,393)$ |  | - |  | - |
| Other non-operating income, net |  | (12) |  | - |  | - |
| Same store NOI at share - cash basis (non-GAAP) for the three months ended December 31, 2017 | \$ | 277,476 | \$ | 24,350 | \$ | 11,916 |
|  |  |  |  |  |  |  |
| NOI at share - cash basis (non-GAAP) for the three months ended December 31, 2016 | \$ | 261,237 | \$ | 21,660 | \$ | 8,702 |
| Less NOI at share - cash basis from: |  |  |  |  |  |  |
| Acquisitions |  | - |  | - |  | - |
| Dispositions |  | (106) |  | - |  | - |
| Development properties placed into and out of service |  | (141) |  | - |  | 296 |
| Lease termination income |  | (602) |  | (248) |  | - |
| Other non-operating income, net |  | $(1,082)$ |  | - |  | - |
| Same store NOI at share - cash basis (non-GAAP) for the three months ended December 31, 2016 | \$ | 259,306 | \$ | 21,412 | \$ | 8,998 |
|  |  |  |  |  |  |  |
| Increase in same store NOI at share - cash basis for the three months ended December 31, 2017 compared to December 31, 2016 | \$ | 18,170 | \$ | 2,938 | \$ | 2,918 |
|  |  |  |  |  |  |  |
| \% increase in same store NOI at share - cash basis |  | 7.0\% |  | 13.7\% |  | 32.4\% |

## VORNADO

REALTY TRUST

## NON-GAAP RECONCILIATIONS

RECONCILIATION OF NOI AT SHARE - CASH BASIS TO SAME STORE NOI AT SHARE - CASH BASIS

| (unaudited and in thousands) |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | New York |  | theMART |  | 555 California Street |  |
| NOI at share - cash basis (non-GAAP) for the year ended December 31, 2017 | \$ | 1,086,863 | \$ | 99,242 | \$ | 45,281 |
| Less NOI at share - cash basis from: |  |  |  |  |  |  |
| Acquisitions |  | $(17,217)$ |  | 164 |  | - |
| Dispositions |  | (698) |  | - |  | - |
| Development properties placed into and out of service |  | 814 |  | - |  | - |
| Lease termination income |  | $(4,927)$ |  | (31) |  | - |
| Other non-operating income, net |  | $(3,021)$ |  | - |  | - |
| Same store NOI at share - cash basis (non-GAAP) for the year ended December 31, 2017 | \$ | 1,061,814 | \$ | 99,375 | \$ | 45,281 |
|  |  |  |  |  |  |  |
| NOI at share - cash basis (non-GAAP) for the year ended December 31, 2016 | \$ | 965,287 | \$ | 92,571 | \$ | 32,601 |
| Less NOI at share - cash basis from: |  |  |  |  |  |  |
| Acquisitions |  | (13) |  | - |  | - |
| Dispositions |  | $(2,219)$ |  | - |  | - |
| Development properties placed into and out of service |  | 289 |  | - |  | 1,079 |
| Lease termination income |  | $(7,272)$ |  | (248) |  | (397) |
| Other non-operating income, net |  | $(2,362)$ |  | - |  | - |
| Same store NOI at share - cash basis (non-GAAP) for the year ended December 31, 2016 | \$ | 953,710 | \$ | 92,323 | \$ | 33,283 |
|  |  |  |  |  |  |  |
| Increase in same store NOI at share - cash basis for the year ended December 31, 2017 compared to December 31, 2016 | \$ | 108,104 | \$ | 7,052 | \$ | 11,998 |
|  |  |  |  |  |  |  |
| \% increase in same store NOI at share - cash basis |  | 11.3\% |  | 7.6\% |  | 36.0\% |

(1) The year ended December 31, 2016 includes a $\$ 2,000$ reversal of an expense accrued in 2015. Excluding this amount, same store NOI - cash basis increased by $10.0 \%$.

## VORNADO

REALTY TRUST

## NON-GAAP RECONCILIATIONS

RECONCILIATION OF NOI AT SHARE - CASH BASIS TO SAME STORE NOI AT SHARE - CASH BASIS
(unaudited and in thousands)

|  | New York |  | theMART |  | 555 California Street |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| NOI at share - cash basis (non-GAAP) for the three months ended December 31, 2017 | \$ | 282,787 | \$ | 24,396 | \$ | 11,916 |
| Less NOI at share - cash basis from: |  |  |  |  |  |  |
| Acquisitions |  | 2 |  | (46) |  | - |
| Dispositions |  | (8) |  | - |  | - |
| Development properties placed into and out of service |  | 160 |  | - |  | - |
| Lease termination income |  | $(1,393)$ |  | - |  | - |
| Other non-operating income, net |  | (13) |  | - |  | - |
| Same store NOI at share - cash basis (non-GAAP) for the three months ended December 31, 2017 | \$ | 281,535 | \$ | 24,350 | \$ | 11,916 |
|  |  |  |  |  |  |  |
| NOI at share - cash basis (non-GAAP) for the three months ended September 30, 2017 | \$ | 277,402 | \$ | 25,417 | \$ | 10,889 |
| Less NOI at share - cash basis from: |  |  |  |  |  |  |
| Acquisitions |  | - |  | 41 |  | - |
| Dispositions |  | (15) |  | - |  | - |
| Development properties placed into and out of service |  | 194 |  | - |  | - |
| Lease termination income |  | (285) |  | - |  | - |
| Other non-operating income, net |  | (584) |  | - |  | - |
| Same store NOI at share - cash basis (non-GAAP) for the three months ended September 30, 2017 | \$ | 276,712 | \$ | 25,458 | \$ | 10,889 |
|  |  |  |  |  |  |  |
| Increase (decrease) in same store NOI at share- cash basis for the three months ended December 31, 2017 compared to September 30, 2017 | \$ | 4,823 | \$ | $(1,108)$ | \$ | 1,027 |
|  |  |  |  |  |  |  |
| \% increase (decrease) in same store NOI at share - cash basis |  | 1.7\% |  | (4.4)\% ${ }^{(1)}$ |  | 9.4\% |

(1) Excluding tradeshows seasonality, same store NOI increased by $3.9 \%$.

## VORNADO <br> REALTY TRUST

## NON-GAAP RECONCILIATIONS

RECONCILIATION OF CONSOLIDATED REVENUES TO OUR PRO RATA SHARE OF TOTAL ANNUALIZED REVENUES
(unaudited and in thousands)

|  | Three Months Ended December 31, 2017 |  |
| :---: | :---: | :---: |
| Consolidated revenues | \$ | 536,226 |
| Noncontrolling interest adjustments |  | $(26,594)$ |
| Consolidated revenues at our share (non-GAAP) |  | 509,632 |
| Unconsolidated revenues at our share, excluding Toys "R" Us, Inc. |  | 114,677 |
| Our pro rata share of revenues (non-GAAP) | \$ | 624,309 |
| Our pro rata share of revenues (annualized) (non-GAAP) | \$ | 2,497,236 |

RECONCILIATION OF CONSOLIDATED DEBT, NET (GAAP) TO CONTRACTUAL DEBT (NON-GAAP)
(unaudited and in thousands)

|  | December 31, 2017 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Consolidated Debt, net |  | Deferred Financing Costs, Net and Other |  | ContractualDebt (non-GAAP) |  |
| Mortgages payable | \$ | 8,137,139 | \$ | 66,700 | \$ | 8,203,839 |
| Senior unsecured notes |  | 843,614 |  | 6,386 |  | 850,000 |
| \$750 Million unsecured term loan |  | 748,734 |  | 1,266 |  | 750,000 |
|  | \$ | 9,729,487 | \$ | 74,352 | \$ | 9,803,839 |


[^0]:    (1) Reflects the July 17, 2017 spin-off of JBG SMITH Properties (NYSE: JBGS).
    (2) JBGS annualized dividend of $\$ 0.90$ per common share, adjusted for the 1:2 spin-off distribution.

[^1]:    See notes on following page

[^2]:    See appendix page vi for details of net operating income components.

[^3]:     2018. As a result, we reclassed to liabilities all of the outstanding shares in the aggregate amount of $\$ 455,514$ on our consolidated balance sheets as of December 31 , 2017.
    (2) See reconciliation of consolidated debt, net (GAAP) to contractual debt (non-GAAP) on page xiv in Appendix: Non-GAAP Reconciliations.

[^4]:    (1) Our negative basis resulted from a refinancing distribution and is included in "other liabilities" on our consolidated balance sheets.
    

[^5]:    (1) Includes leases not yet commenced.
    (2) See reconciliation of consolidated revenues to our pro rata share of total annualized revenues on page xiv in Appendix: Non-GAAP Reconciliations.

[^6]:    (1) Excludes storage, vacancy and other

[^7]:    (1) Included in "certain items that impact net income" because we do not intend to hold this asset on a long-term basis

