

## VORNADO

REALTY TRUST

SUPPLEMENTAL OPERATING AND FINANCIAL DATA
For the Quarter Ended March 31, 2018

## VORNADO <br> REALTY TRUST

## INDEX











 Report on Form 10-K, or Quarterly Report on Form 10-Q, as applicable, and this supplemental package.

## VORNADO <br> REALTY TRUS

## 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.

## VORNADO <br> REALTY TRUS

## INVESTOR INFORMATION

## Executive Officers:

Steven Roth
David R. Greenbaum
Michael J. Franco
Joseph Macnow
RESEARCH COVERAGE - EQUITY

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

| James Feldman/Kimberly Hong Steve Sakwa/Robert Simone <br> Bank of America/Merrill Lynch Evercore ISI | John W. Guinee/Aaron Wolf <br> $646-855-5808 / 646-556-3329$ | Stifel Nicolaus \& Company |
| :--- | :--- | :--- |
| Ross Smotrich/Trevor Young | Jed Reagan/Daniel Ismail | $443-224-1307 / 443-224-1206$ |
| Barclays Capital | $\underline{\text { Green Street Advisors }}$ | Michael Lewis |
| $212-526-2306 / 212-526-3098$ | $949-640-8780$ | SunTrust Robinson Humphrey |
| John P. Kim/Alex Nelson Anthony Paolone |  |  |
| BMO Capital Markets JP Morgan | Nick Yulico/Frank Lee |  |
| $212-885-4115 / 212-885-4144$ | $212-622-6682$ | $\underline{U B S}$ |

Michael Bilerman/Emmanuel Korchman
Citi
212-816-1383/212-816-1382
Vincent Chao/Mike Husseini
Deutsche Bank
212-250-6799/212-250-7703
RESEARCH COVERAGE - DEBT

| Andrew Molloy | Jesse Rosenthal | Thierry Perrein |
| :---: | :---: | :---: |
| Bank of America/Merrill Lynch | CreditSights | Wells Fargo Securities |
| 646-855-6435 | 212-340-3816 | 704-410-3262 |
| Cristina Rosenberg | Mark Streeter |  |
| Citi | JP Morgan |  |
| 212-723-6199 | 212-834-5086 |  |

## Thierry Perrein <br> Wells Fargo Securities <br> 704-410-3262

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 <br> REALTY TRUST

## 2018 BUSINESS DEVELOPMENTS

## Acquisition Activity

## 537 West 26th Street

On February 9, 2018, we acquired 537 West 26th Street, a 14,000 square foot commercial property adjacent to our 260 Eleventh Avenue office property and 55,000 square feet of additional zoning air rights, for $\$ 44,000,000$.

## Disposition Activity

## 11 East 68th Street

On January 17, 2018, Vornado Capital Partners Real Estate Fund (the "Fund") completed the sale of the retail condominium at 11 East 68th Street, a property located on Madison Avenue and 68 th Street, for $\$ 82,000,000$. From the inception of this investment through its disposition, the Fund realized a $\$ 46,259,000$ net gain.

## Financing Activities

On January 4 and 11, 2018, we redeemed all of the outstanding $6.625 \%$ Series $G$ and Series I cumulative redeemable preferred shares at their redemption price of $\$ 25.00$ per share, or $\$ 470,000,000$ in the aggregate, plus accrued and unpaid dividends through the date of redemption, and expensed $\$ 14,486,000$ of previously capitalized issuance costs.

On January 5, 2018, we completed a \$100,000,000 refinancing of 33-00 Northern Boulevard (Center Building), a 471,000 square foot office building in Long Island City, New York. The seven-year loan is at LIBOR plus $1.80 \%$, which was swapped to a fixed rate of $4.14 \%$. We realized net proceeds of approximately $\$ 37,200,000$ after repayment of the existing $4.43 \%$ \$59,800,000 mortgage and closing costs.

## First Quarter Leasing Activity

424,000 square feet of New York Office space ( 359,000 square feet at share) at an initial rent of $\$ 82.07$ per square foot and a weighted average term of 10.5 years. The GAAP and cash mark-to-markets on the 285,000 square feet of second generation space were positive $62.5 \%$ and $50.3 \%$, respectively. Excluding a 77,000 square foot lease at 770 Broadway, the GAAP and cash mark-to-markets were positive $20.2 \%$ and $12.5 \%$, respectively. Tenant improvements and leasing commissions were $\$ 9.33$ per square foot per annum, or $11.4 \%$ of initial rent.

77,000 square feet of New York Retail space (all at share and all second generation) at an initial rent of $\$ 212.03$ per square foot and a weighted average term of 4.5 years. The GAAP and cash mark-to-markets were negative $12.3 \%$ and $20.1 \%$, respectively. Excluding a 43,000 square foot lease at 435 Seventh Avenue, the GAAP and cash mark-to-markets were positive $19.2 \%$ and $4.9 \%$, respectively. Tenant improvements and leasing commissions were $\$ 14.06$ per square foot per annum, or $6.6 \%$ of initial rent.

119,000 square feet at theMART (all at share) at an initial rent of $\$ 50.39$ per square foot and a weighted average term of 5.7 years. The GAAP and cash mark-to-markets on the 113,000 square feet of second generation space were positive $36.6 \%$ and $28.0 \%$, respectively. Tenant improvements and leasing commissions were $\$ 4.19$ per square foot per annum, or $8.3 \%$ of initial rent.

89,000 square feet at 555 California Street ( 62,000 square feet at share) at an initial rent of $\$ 85.89$ per square foot and a weighted average term of 7.1 years. The GAAP and cash mark-to-markets on the 30,000 square feet of second generation space were positive $39.3 \%$ and $17.0 \%$, respectively. Tenant improvements and leasing commissions were $\$ 11.64$ per square foot per annum, or $13.6 \%$ of initial rent.

## VORNADO <br> REALTY TRUST

## 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):

|  | First Quarter 2018 |  |  | Fourth Quarter 2017 |  |  | Third Quarter 2017 |  |  | Second Quarter 2017 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| High price | \$ | 78.31 | (1) | \$ | 80.30 | (1) | \$ | 97.25 |  | \$ | 103.35 |
| Low price | \$ | 64.13 | (1) | \$ | 71.90 | (1) | \$ | 72.77 | (1) | \$ | 91.18 |
| Closing price - end of quarter | \$ | 67.30 | (1) | \$ | 78.18 | (1) | \$ | 76.88 | (1) | \$ | 93.90 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Annualized dividend per share | \$ | 2.52 | (1) | \$ | 2.40 | (1) | \$ | 2.40 | (1) | \$ | 2.84 |
| JBGS annualized dividend per share |  | 0.45 | (2) |  | 0.45 | (2) |  | 0.45 | (2) |  | - |
|  | \$ | 2.97 |  | \$ | 2.85 |  | \$ | 2.85 |  | \$ | 2.84 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Annualized dividend yield - on closing price |  | 3.7\% |  |  | 3.1\% |  |  | 3.1\% |  |  | 3.0\% |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Outstanding shares, Class A units and convertible preferred units as converted, excluding stock options (in thousands) |  | 203,613 |  |  | 203,198 |  |  | 203,138 |  |  | 202,518 |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Closing market value of outstanding shares, Class A units and convertible preferred units as converted, excluding stock options | \$ | 13.7 Billion |  | \$ | 15.9 Billion |  | \$ | 15.6 Billion |  | \$ | 19.0 Billion |

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## VORNADO <br> REALTY TRUST

FINANCIAL HIGHLIGHTS

| (unaudited and in thousands, except per share amounts) |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Three Months Ended |  |  |  |  |  |
|  | March 31, |  |  |  | $\begin{gathered} \text { December 31, } \\ 2017 \end{gathered}$ |  |
|  | 2018 |  | 2017 |  |  |  |
| Total revenues | \$ | 536,437 | \$ | 508,058 | \$ | 536,226 |
|  |  |  |  |  |  |  |
| Net (loss) income attributable to common shareholders | \$ | $(17,841)$ | \$ | 47,752 | \$ | 27,319 |
| Per common share: |  |  |  |  |  |  |
| Basic | \$ | (0.09) | \$ | 0.25 | \$ | 0.14 |
| Diluted | \$ | (0.09) | \$ | 0.25 | \$ | 0.14 |
| Net income attributable to common shareholders, as adjusted (non-GAAP) | \$ | 56,388 | \$ | 46,873 | \$ | 65,479 |
| Per diluted share (non-GAAP) | \$ | 0.30 | \$ | 0.25 | \$ | 0.34 |
| FFO attributable to common shareholders plus assumed conversions, as adjusted (non-GAAP) | \$ | 173,842 | \$ | 160,105 | \$ | 187,553 |
| Per diluted share (non-GAAP) | \$ | 0.91 | \$ | 0.84 | \$ | 0.98 |
| FFO attributable to common shareholders plus assumed conversions (non-GAAP) | \$ | 102,479 | \$ | 205,729 | \$ | 153,151 |
| FFO - Operating Partnership Basis ("OP Basis") (non-GAAP) | \$ | 109,418 | \$ | 219,513 | \$ | 163,523 |
| Per diluted share (non-GAAP) | \$ | 0.54 | \$ | 1.08 | \$ | 0.80 |
|  |  |  |  |  |  |  |
| Dividends per common share | \$ | 0.63 | \$ | 0.71 | \$ | 0.60 |
|  |  |  |  |  |  |  |
| FFO payout ratio (based on FFO attributable to common shareholders plus assumed conversions, as adjusted) |  | 69.2\% |  | 84.5\% |  | 61.2\% |
| FAD payout ratio |  | 90.0\% |  | 94.7\% |  | 90.9\% |
| Weighted average shares used in determining FFO attributable to common shareholders plus assumed conversions per diluted share (REIT basis) |  | 191,057 |  | 190,412 |  | 191,063 |
| Convertible units: |  |  |  |  |  |  |
| Class A |  | 11,848 |  | 11,634 |  | 11,677 |
| D-13 |  | 678 |  | 445 |  | 615 |
| G1-G4 |  | 58 |  | 39 |  | 50 |
| Equity awards - unit equivalents |  | 353 |  | 640 |  | 598 |
| Weighted average shares used in determining FFO attributable to Class A unitholders plus assumed conversions per diluted share (OP Basis) |  | 203,994 |  | 203,170 |  | 204,003 |

## VORNADO

REALTY TRUST

## TRAILING TWELVE MONTH PRO-FORMA CASH NET OPERATING INCOME

(unaudited and in thousands)

|  | Trailing Twelve Months Ended March 31, 2018 |  |  |  |  |  | Year Ended <br> December 31, 2017 <br> Pro-forma <br> NOI - cash basis |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | NOI - cash basis |  | Less: BMS |  | Pro-forma NOI - cash basis |  |  |  |
| New York - Office | \$ | 690,699 | \$ | $(24,690)$ | \$ | 666,009 |  | 654,839 |
| New York - Retail |  | 324,488 |  | - |  | 324,488 |  | 324,318 |
| New York - Residential |  | 21,683 |  | - |  | 21,683 |  | 21,626 |
| theMART |  | 101,789 |  | - |  | 101,789 |  | 99,242 |
| 555 California Street |  | 46,782 |  | - |  | 46,782 |  | 45,281 |
|  | \$ | 1,185,441 | \$ | (24,690) | \$ | 1,160,751 |  | 1,145,306 |

(1) Excludes incremental NOI from the lease-up of 345 Montgomery Street.

## VORNADO

REALTY TRUST
CONSOLIDATED NET (LOSS) INCOME ATTRIBUTABLE TO COMMON SHAREHOLDERS
(unaudited and in thousands)

|  | ree Mo |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | March 31, |  |  |  |  |  | $\begin{gathered} \hline \text { December 31, } \\ 2017 \end{gathered}$ |  |
|  | 2018 |  | 2017 |  | Inc (Dec) |  |  |  |
| Property rentals | \$ | 422,099 | \$ | 391,920 | \$ | 30,179 | \$ | 419,970 |
| Straight-lining of rents |  | 7,430 |  | 11,856 |  | $(4,426)$ |  | 8,040 |
| Amortization of acquired below-market leases, net |  | 10,581 |  | 11,116 |  | (535) |  | 11,345 |
| Total property rentals |  | 440,110 |  | 414,892 |  | 25,218 |  | 439,355 |
| Tenant expense reimbursements |  | 60,310 |  | 59,033 |  | 1,277 |  | 59,333 |
| Fee and other income: |  |  |  |  |  |  |  |  |
| BMS cleaning fees |  | 28,355 |  | 25,071 |  | 3,284 |  | 28,218 |
| Management and leasing fees |  | 2,764 |  | 2,275 |  | 489 |  | 2,705 |
| Lease termination fees |  | 345 |  | 3,850 |  | $(3,505)$ |  | 2,224 |
| Other income |  | 4,553 |  | 2,937 |  | 1,616 |  | 4,391 |
| Total revenues |  | 536,437 |  | 508,058 |  | 28,379 |  | 536,226 |
| Operating expenses |  | 237,602 |  | 220,659 |  | 16,943 |  | 225,011 |
| Depreciation and amortization |  | 108,686 |  | 105,128 |  | 3,558 |  | 114,166 |
| General and administrative |  | 43,633 |  | 47,237 |  | $(3,604)$ |  | 35,139 |
| (Income) expense from deferred compensation plan liability |  | (404) |  | 2,469 |  | $(2,873)$ |  | 1,699 |
| Transaction related costs and other |  | 13,156 |  | 752 |  | 12,404 |  | 703 |
| Total expenses |  | 402,673 |  | 376,245 |  | 26,428 |  | 376,718 |
| Operating income |  | 133,764 |  | 131,813 |  | 1,951 |  | 159,508 |
| (Loss) income from partially owned entities |  | $(9,904)$ |  | 1,358 |  | $(11,262)$ |  | 9,622 |
| (Loss) income from real estate fund investments |  | $(8,807)$ |  | 268 |  | $(9,075)$ |  | 4,889 |
| Interest and other investment (loss) income, net |  | $(24,384)$ |  | 6,695 |  | $(31,079)$ |  | 8,294 |
| (Loss) income from deferred compensation plan assets |  | (404) |  | 2,469 |  | $(2,873)$ |  | 1,699 |
| Interest and debt expense |  | $(88,166)$ |  | $(82,724)$ |  | $(5,442)$ |  | $(93,073)$ |
| Net gains on disposition of wholly owned and partially owned assets |  | - |  | 501 |  | (501) |  | - |
| Income before income taxes |  | 2,099 |  | 60,380 |  | $(58,281)$ |  | 90,939 |
| Income tax expense |  | $(1,454)$ |  | $(1,851)$ |  | 397 |  | $(38,661)$ |
| Income from continuing operations |  | 645 |  | 58,529 |  | $(57,884)$ |  | 52,278 |
| (Loss) income from discontinued operations |  | (363) |  | 15,318 |  | $(15,681)$ |  | 1,273 |
| Net income |  | 282 |  | 73,847 |  | $(73,565)$ |  | 53,551 |
| Less net loss (income) atributable to noncontrolling interests in: |  |  |  |  |  |  |  |  |
| Consolidated subsidiaries |  | 8,274 |  | $(6,737)$ |  | 15,011 |  | $(7,366)$ |
| Operating Partnership |  | 1,124 |  | $(3,229)$ |  | 4,353 |  | $(1,853)$ |
| Net income attributable to Vornado |  | 9,680 |  | 63,881 |  | $(54,201)$ |  | 44,332 |
| Preferred share dividends |  | $(13,035)$ |  | $(16,129)$ |  | 3,094 |  | $(17,013)$ |
| Preferred share issuance costs |  | $(14,486)$ |  | - |  | $(14,486)$ |  | - |
| Net (loss) income attributable to common shareholders | \$ | $\underline{(17,841)}$ | \$ | 47,752 | \$ | $(65,593)$ | \$ | $\underline{27,319}$ |
| Capitalized expenditures: |  |  |  |  |  |  |  |  |
| Leasing payroll | \$ | 1,348 | \$ | 974 | \$ | 374 | \$ | 1,749 |
| Development payroll |  | 1,709 |  | 1,173 |  | 536 |  | 1,710 |
| Interest and debt expense |  | 14,726 |  | 10,815 |  | 3,911 |  | 13,251 |

## VORNADO <br> REALTY TRUST

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

(unaudited and in thousands)

|  | Three Months Ended March 31, 2018 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total |  | New York |  | Other |  |
| Property rentals | \$ | 422,099 | \$ | 343,045 | \$ | 79,054 |
| Straight-lining of rents |  | 7,430 |  | 6,019 |  | 1,411 |
| Amortization of acquired below-market leases, net |  | 10,581 |  | 10,282 |  | 299 |
| Total property rentals |  | 440,110 |  | 359,346 |  | 80,764 |
| Tenant expense reimbursements |  | 60,310 |  | 54,490 |  | 5,820 |
| Fee and other income: |  |  |  |  |  |  |
| BMS cleaning fees |  | 28,355 |  | 30,153 |  | $(1,798)$ |
| Management and leasing fees |  | 2,764 |  | 2,481 |  | 283 |
| Lease termination fees |  | 345 |  | 308 |  | 37 |
| Other income |  | 4,553 |  | 1,706 |  | 2,847 |
| Total revenues |  | 536,437 |  | 448,484 |  | 87,953 |
| Operating expenses |  | 237,602 |  | 197,916 |  | 39,686 |
| Depreciation and amortization |  | 108,686 |  | 87,150 |  | 21,536 |
| General and administrative |  | 43,633 |  | 11,116 |  | 32,517 |
| Income from deferred compensation plan liability |  | (404) |  | - |  | (404) |
| Transaction related costs and other |  | 13,156 |  | 13,103 |  | 53 |
| Total expenses |  | 402,673 |  | 309,285 |  | 93,388 |
| Operating income (loss) |  | 133,764 |  | 139,199 |  | $(5,435)$ |
| Loss from partially owned entities |  | $(9,904)$ |  | $(6,938)$ |  | $(2,966)$ |
| Loss from real estate fund investments |  | $(8,807)$ |  | - |  | $(8,807)$ |
| Interest and other investment (loss) income, net |  | $(24,384)$ |  | 1,258 |  | $(25,642)$ |
| Loss from deferred compensation plan assets |  | (404) |  | - |  | (404) |
| Interest and debt expense |  | $(88,166)$ |  | $(62,209)$ |  | $(25,957)$ |
| Income (loss) before income taxes |  | 2,099 |  | 71,310 |  | $(69,211)$ |
| Income tax expense |  | $(1,454)$ |  | $(1,041)$ |  | (413) |
| Income (loss) from continuing operations |  | 645 |  | 70,269 |  | $(69,624)$ |
| Loss from discontinued operations |  | (363) |  | - |  | (363) |
| Net income (loss) |  | 282 |  | 70,269 |  | $(69,987)$ |
| Less net loss attributable to noncontrolling interests in: |  |  |  |  |  |  |
| Consolidated subsidiaries |  | 8,274 |  | 3,669 |  | 4,605 |
| Operating Partnership |  | 1,124 |  | - |  | 1,124 |
| Net income (loss) attributable to Vornado |  | 9,680 |  | 73,938 |  | $(64,258)$ |
| Preferred share dividends |  | $(13,035)$ |  | - |  | $(13,035)$ |
| Preferred share issuance costs |  | $(14,486)$ |  | - |  | $(14,486)$ |
| Net (loss) income attributable to common shareholders for the three months ended March 31, 2018 | \$ | $(17,841)$ | \$ | 73,938 | \$ | $(91,779)$ |
| Net income (loss) attributable to common shareholders for the three months ended March 31, 2017 | \$ | 47,752 | \$ | 94,020 | \$ | $(46,268)$ |

## VORNADO <br> REALTY TRUST

## NET OPERATING INCOME AT SHARE BY SEGMENT

(unaudited and in thousands)

|  | For the Three Months Ended March 31, 2018 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total |  | New York |  | Other |  |
| Total revenues | \$ | 536,437 | \$ | 448,484 | \$ | 87,953 |
| Operating expenses |  | 237,602 |  | 197,916 |  | 39,686 |
| NOI - consolidated |  | 298,835 |  | 250,568 |  | 48,267 |
| Deduct: NOI attributable to noncontrolling interests in consolidated subsidiaries |  | $(17,312)$ |  | $(11,745)$ |  | $(5,567)$ |
| Add: Our share of NOI from partially owned entities |  | 67,513 |  | 49,773 |  | 17,740 |
| NOI at share |  | 349,036 |  | 288,596 |  | 60,440 |
| Non-cash adjustments for straight-line rents, amortization of acquired below-market leases, net and other |  | $(17,948)$ |  | $(17,323)$ |  | (625) |
| NOI at share - cash basis | \$ | 331,088 | \$ | 271,273 | \$ | 59,815 |


|  | For the Three Months Ended March 31, 2017 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total |  | New York |  | Other |  |
| Total revenues | \$ | 508,058 | \$ | 426,239 | \$ | 81,819 |
| Operating expenses |  | 220,659 |  | 183,107 |  | 37,552 |
| NOI - consolidated |  | 287,399 |  | 243,132 |  | 44,267 |
| Deduct: NOI attributable to noncontrolling interests in consolidated subsidiaries |  | $(16,338)$ |  | $(11,439)$ |  | $(4,899)$ |
| Add: Our share of NOI from partially owned entities |  | 66,097 |  | 45,462 |  | 20,635 |
| NOI at share |  | 337,158 |  | 277,155 |  | 60,003 |
| Non-cash adjustments for straight-line rents, amortization of acquired below-market leases, net and other |  | $(20,481)$ |  | $(18,372)$ |  | $(2,109)$ |
| NOI at share - cash basis | \$ | 316,677 | \$ | 258,783 | \$ | 57,894 |

## Total revenues <br> Operating expenses

NOI - consolidated
Deduct: NOI attributable to noncontrolling interests in consolidated subsidiaries
Add: Our share of NOI from partially owned entities
NOI at share
Non-cash adjustments for straight-line rents, amortization of acquired below-market leases, net and other NOI at share - cash basis

| For the Three Months Ended December 31, 2017 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Total |  | New York |  | Other |  |
| \$ | 536,226 | \$ | 462,597 | \$ | 73,629 |
|  | 225,011 |  | 195,421 |  | 29,590 |
|  | 311,215 |  | 267,176 |  | 44,039 |
|  | $(16,533)$ |  | $(11,648)$ |  | $(4,885)$ |
|  | 69,175 |  | 48,700 |  | 20,475 |
|  | 363,857 |  | 304,228 |  | 59,629 |
|  | $(21,579)$ |  | $(21,441)$ |  | (138) |
| \$ | 342,278 | \$ | 282,787 | \$ | 59,491 |

See appendix page vi for details of NOI components.

## VORNADO <br> REALTY TRUST

## NET OPERATING INCOME AT SHARE BY SUBSEGMENT

(unaudited and in thousands)

|  | For the Three Months Ended |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | March 31, |  |  |  | $\begin{gathered} \text { December 31, } \\ 2017 \end{gathered}$ |  |
|  | 2018 |  | 2017 |  |  |  |
| NOI at share: |  |  |  |  |  |  |
| New York: |  |  |  |  |  |  |
| Office | \$ | 187,156 | \$ | 174,724 | \$ | 189,481 |
| Retail |  | 87,909 |  | 89,048 |  | 90,853 |
| Residential |  | 6,141 |  | 6,278 |  | 5,920 |
| Alexander's |  | 11,575 |  | 11,743 |  | 11,656 |
| Hotel Pennsylvania |  | $(4,185)$ |  | $(4,638)$ |  | 6,318 |
| Total New York |  | 288,596 |  | 277,155 |  | 304,228 |
| Other: |  |  |  |  |  |  |
| theMART |  | 26,875 |  | 25,889 |  | 24,249 |
| 555 California Street |  | 13,511 |  | 12,034 |  | 12,003 |
| Other investments |  | 20,054 |  | 22,080 |  | 23,377 |
| Total Other |  | 60,440 |  | 60,003 |  | 59,629 |
| Total NOI at share | \$ | 349,036 | \$ | 337,158 | \$ | 363,857 |
|  |  |  |  |  |  |  |
| NOI at share - cash basis: |  |  |  |  |  |  |
| New York: |  |  |  |  |  |  |
| Office | \$ | 178,199 | \$ | 166,339 | \$ | 175,787 |
| Retail |  | 79,589 |  | 79,419 |  | 83,320 |
| Residential |  | 5,599 |  | 5,542 |  | 5,325 |
| Alexander's |  | 12,039 |  | 12,088 |  | 12,004 |
| Hotel Pennsylvania |  | $(4,153)$ |  | $(4,605)$ |  | 6,351 |
| Total New York |  | 271,273 |  | 258,783 |  | 282,787 |
| Other: |  |  |  |  |  |  |
| theMART |  | 27,079 |  | 24,532 |  | 24,396 |
| 555 California Street |  | 12,826 |  | 11,325 |  | 11,916 |
| Other investments |  | 19,910 |  | 22,037 |  | 23,179 |
| Total Other |  | 59,815 |  | 57,894 |  | 59,491 |
| Total NOI at share - cash basis | \$ | 331,088 | \$ | 316,677 | \$ | 342,278 |

## VORNADO

REALTY TRUST
CONSOLIDATED BALANCE SHEETS
(unaudited and in thousands)

ASSETS
Real estate, at cost:

| Land | \$ | 3,170,158 | \$ | 3,143,648 | \$ | 26,510 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Buildings and improvements |  | 9,946,225 |  | 9,898,605 |  | 47,620 |
| Development costs and construction in progress |  | 1,705,244 |  | 1,615,101 |  | 90,143 |
| Leasehold improvements and equipment |  | 104,710 |  | 98,941 |  | 5,769 |
| Total |  | 14,926,337 |  | 14,756,295 |  | 170,042 |
| Less accumulated depreciation and amortization |  | $(2,962,983)$ |  | $(2,885,283)$ |  | $(77,700)$ |
| Real estate, net |  | 11,963,354 |  | 11,871,012 |  | 92,342 |
| Cash and cash equivalents |  | 1,327,384 |  | 1,817,655 |  | $(490,271)$ |
| Restricted cash |  | 90,684 |  | 97,157 |  | $(6,473)$ |
| Marketable securities |  | 149,766 |  | 182,752 |  | $(32,986)$ |
| Tenant and other receivables, net |  | 64,387 |  | 58,700 |  | 5,687 |
| Investments in partially owned entities |  | 1,033,228 |  | 1,056,829 |  | $(23,601)$ |
| Real estate fund investments |  | 336,552 |  | 354,804 |  | $(18,252)$ |
| Receivable arising from the straight-lining of rents, net |  | 934,535 |  | 926,711 |  | 7,824 |
| Deferred leasing costs, net |  | 405,209 |  | 403,492 |  | 1,717 |
| Identified intangible assets, net |  | 152,834 |  | 159,260 |  | $(6,426)$ |
| Assets related to discontinued operations |  | 275 |  | 1,357 |  | $(1,082)$ |
| Other assets |  | 406,275 |  | 468,205 |  | $(61,930)$ |
| Total Assets | \$ | 16,864,483 | \$ | 17,397,934 | \$ | $(533,451)$ |

LIABILITIES, REDEEMABLE NONCONTROLLING INTERESTS AND EQUITY
Liabilities:

| Mortgages payable, net | \$ | 8,102,238 | \$ | 8,137,139 | \$ | $(34,901)$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Senior unsecured notes, net |  | 843,125 |  | 843,614 |  | (489) |
| Unsecured term loan, net |  | 749,114 |  | 748,734 |  | 380 |
| Unsecured revolving credit facilities |  | 80,000 |  | - |  | 80,000 |
| Accounts payable and accrued expenses |  | 431,094 |  | 415,794 |  | 15,300 |
| Deferred revenue |  | 200,648 |  | 227,069 |  | $(26,421)$ |
| Deferred compensation plan |  | 109,525 |  | 109,177 |  | 348 |
| Liabilities related to discontinued operations |  | 1,176 |  | 3,620 |  | $(2,444)$ |
| Preferred shares redeemed on January 4 and 11, 2018 |  | - |  | 455,514 |  | $(455,514)$ |
| Other liabilities |  | 465,659 |  | 464,635 |  | 1,024 |
| Total liabilities |  | 10,982,579 |  | 11,405,296 |  | $(422,717)$ |
| Redeemable noncontrolling interests |  | 857,026 |  | 984,937 |  | $(127,911)$ |
| Vornado shareholders' equity |  | 4,360,092 |  | 4,337,652 |  | 22,440 |
| Noncontrolling interests in consolidated subsidiaries |  | 664,786 |  | 670,049 |  | $(5,263)$ |
| Total Liabilities, Redeemable Noncontrolling Interests and Equity | \$ | 16,864,483 | \$ | 17,397,934 | \$ | (533,451) |

## VORNADO <br> REALTY TRUST

## CAPITAL STRUCTURE

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


[^1]
## VORNADO

REALTY TRUST
DEBT ANALYSIS

| (unaudited and in thousands) |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total |  |  | Variable |  |  | Fixed |  |  |
| (Contractual debt balances) (non-GAAP) | Amount |  | Weighted Average Interest Rate | Amount |  | Weighted Average Interest Rate | Amount |  | Weighted Average Interest Rate |
| Consolidated debt ${ }^{(1)}$ | \$ | 9,844,718 | 3.56\% | \$ | 3,982,692 | 3.47\% | \$ | 5,862,026 | 3.63\% |
| Pro rata share of debt of non-consolidated entities: |  |  |  |  |  |  |  |  |  |
| Toys |  | 1,673,728 | 9.58\% |  | 1,077,782 | 9.29\% |  | 595,946 | 10.10\% |
| All other |  | 3,459,655 | 4.26\% |  | 1,415,799 | 3.54\% |  | 2,043,856 | 4.75\% |
| Total |  | 14,978,101 | 4.40\% |  | 6,476,273 | 4.46\% |  | 8,501,828 | 4.35\% |
| Less: Noncontrolling interests' share of consolidated debt (primarily 1290 Avenue of the Americas, 555 California Street, and St. Regis - retail) |  | $(602,715)$ |  |  | $(147,709)$ |  |  | $(455,006)$ |  |
| Company's pro rata share of total debt | \$ | 14,375,386 | 4.42\% | \$ | 6,328,564 | 4.48\% | \$ | 8,046,822 | 4.37\% |
| Debt Covenant Ratios: ${ }^{(2)}$ | Senior Unsecured Notes U |  |  |  |  |  | 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\% | 51\% |  | 49\% |  | s th | 60\% | 39\% |
| Secured debt/total assets |  | Less than 50\% | 41\% |  | 39\% |  | $s$ th | 50\% | 31\% |
| Interest coverage ratio (annualized combined EBITDA to annualized interest expense) |  | reater than 1.50 | 2.55 |  | 2.55 |  |  |  | N/A |
| Fixed charge coverage |  |  | N/A |  | N/A G |  | ter | 1.40 | 2.44 |
| Unencumbered assets/unsecured debt |  | eater than 150\% | 389\% |  | 409\% |  |  |  | N/A |
| Unsecured debt/cap value of unencumbered assets |  |  | N/A |  | N/A |  | $s$ th | 60\% | 20\% |
| Unencumbered coverage ratio |  |  | N/A |  | N/A Gr |  | ter | 1.50 | 7.87 |
| Unencumbered EBITDA (non-GAAP): | Q1 2018 <br> Annualized |  |  |  |  |  |  |  |  |
| New York | \$ | 413,684 |  |  |  |  |  |  |  |
| Other |  | 35,336 |  |  |  |  |  |  |  |
| Total | \$ | 449,020 |  |  |  |  |  |  |  |

(1) See reconciliation of consolidated debt, net (GAAP) to contractual debt (non-GAAP) on page xi in Appendix: Non-GAAP Reconciliations.
(2) Our debt covenant ratios are computed in accordance with the terms of our senior unsecured notes, unsecured revolving credit facilities, and unsecured term loan, as applicable. The methodology used for these computations may differ significantly from similarly titled ratios of other companies. For additional information regarding the methodology used to compute these ratios, please see our filings with the SEC of our revolving credit facilities, senior debt indentures and applicable prospectuses and prospectus supplements.
(3) Total assets include EBITDA capped at $7.5 \%$ under the senior unsecured notes due 2022, $7.0 \%$ under the senior unsecured notes due 2025 and $6.0 \%$ under the unsecured revolving credit facilities and unsecured term loan.

## VORNADO <br> REALTYTRUS

## 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 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 435 Seventh Avenue - retail | 08/19 | L+225 | 4.06\% |  | \$ | - | \$ | 96,538 | \$ | - | \$ | - | \$ | - | \$ | - | \$ | 96,538 |
| 4 Union Square South - retail | 11/19 | L+215 | 3.82\% |  |  | - |  | 113,495 |  | - |  | - |  | - |  | - |  | 113,495 |
| 150 West 34th Street | 06/20 | L+225 | 3.95\% |  |  | - |  | - |  | 205,000 |  | - |  | - |  | - |  | 205,000 |
| 100 West 33rd Street - office and retail | 07/20 | L+165 | 3.34\% |  |  | - |  | - |  | 580,000 |  | - |  | - |  | - |  | 580,000 |
| 220 Central Park South | 09/20 | L+200 | 3.89\% |  |  | - |  | - |  | 950,000 |  | - |  | - |  | - |  | 950,000 |
| Unsecured Term Loan | 10/20 | L+115 | 3.02\% |  |  | - |  | - |  | 750,000 |  | - |  | - |  | - |  | 750,000 |
| Eleven Penn Plaza | 12/20 |  | 3.95\% |  |  | - |  | - |  | 450,000 |  | - |  | - |  | - |  | 450,000 |
| 888 Seventh Avenue | 12/20 |  | 3.15\% | (2) |  | - |  | - |  | 375,000 |  | - |  | - |  | - |  | 375,000 |
| Borgata Land | 02/21 |  | 5.14\% |  |  | - |  | - |  | - |  | 55,338 |  | - |  | - |  | 55,338 |
| 770 Broadway | 03/21 |  | 2.56\% | (3) |  | - |  | - |  | - |  | 700,000 |  | - |  | - |  | 700,000 |
| 909 Third Avenue | 05/21 |  | 3.91\% |  |  | - |  | - |  | - |  | 350,000 |  | - |  | - |  | 350,000 |
| 606 Broadway | 05/21 | L+300 | 4.74\% |  |  | - |  | - |  | - |  | 42,659 |  | - |  | - |  | 42,659 |
| 555 California Street | 09/21 |  | 5.10\% |  |  | - |  | - |  | - |  | 566,688 |  | - |  | - |  | 566,688 |
| theMART | 09/21 |  | 2.70\% |  |  | - |  | - |  | - |  | 675,000 |  | - |  | - |  | 675,000 |
| 655 Fifth Avenue | 10/21 | L+140 | 3.06\% |  |  | - |  | - |  | - |  | 140,000 |  | - |  | - |  | 140,000 |
| Two Penn Plaza | 12/21 | L+165 | 3.31\% |  |  | - |  | - |  | - |  | 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 | 3.46\% |  |  | - |  | - |  | - |  | - |  | 450,000 |  | - |  | 450,000 |
| \$1.25 Billion unsecured revolving credit facility | 01/23 | L+100 | 2.72\% |  |  | - |  | - |  | - |  | - |  | - |  | 80,000 |  | 80,000 |
| 666 Fifth Avenue Retail Condominium | 03/23 |  | 3.61\% |  |  | - |  | - |  | - |  | - |  | - |  | 390,000 |  | 390,000 |
| 33-00 Northern Boulevard | 01/25 |  | 4.14\% | (4) |  | - |  | - |  | - |  | - |  | - |  | 100,000 |  | 100,000 |
| Senior unsecured notes due 2025 | 01/25 |  | 3.50\% |  |  | - |  | - |  | - |  | - |  | - |  | 450,000 |  | 450,000 |
| 350 Park Avenue | 01/27 |  | 3.92\% |  |  | - |  | - |  | - |  | - |  | - |  | 400,000 |  | 400,000 |
| Total consolidated debt (contractual) |  |  |  |  | \$ | - | \$ | 210,033 |  | 310,000 |  | 104,685 |  | 800,000 |  | 420,000 |  | 844,718 |
| Weighted average rate |  |  |  |  |  | -\% |  | 3.93\% |  | 3.52\% |  | 3.44\% |  | 3.74\% |  | 3.65\% |  | 3.56\% |
| Fixed rate debt |  |  |  |  | \$ | - | \$ | - | \$ | 825,000 |  | 347,026 |  | 350,000 |  | 340,000 |  | 862,026 |
| Fixed weighted average rate expiring |  |  |  |  |  | -\% |  | -\% |  | 3.59\% |  | 3.47\% |  | 3.83\% |  | 3.70\% |  | 3.63\% |
| Floating rate debt |  |  |  |  | \$ | - | \$ | 210,033 |  | 485,000 | \$ | 757,659 | \$ | 450,000 | \$ | 80,000 |  | 982,692 |
| Floating weighted average rate expiring |  |  |  |  |  | -\% |  | 3.93\% |  | 3.50\% |  | 3.35\% |  | 3.46\% |  | 2.72\% |  | 3.47\% |

(1) Represents the extended maturity for certain loans in which we have the unilateral right to extend.
(2) Pursuant to an existing swap agreement, the loan bears interest at $3.15 \%$ through December 2020. The rate was swapped from LIBOR plus $1.60 \%$ ( $3.26 \%$ as of March 31,2018 ),
(3) Pursuant to an existing swap agreement, the loan bears interest at $2.56 \%$ through September 2020. The rate was swapped from LIBOR plus $1.75 \%$ ( $3.45 \%$ as of March 31,2018 ).
(4) Pursuant to an existing swap agreement, the loan bears interest at $4.14 \%$ through January 2025. The rate was swapped from LIBOR plus $1.80 \%$ ( $3.52 \%$ as of March 31,2018 ).

## VORNADO <br> REALTYTRUS

## UNCONSOLIDATED JOINT VENTURES


(1) Represents the contractual debt obligations
(2) Primarily Toys "R" Us, Inc.
(3) Our negative basis resulted from a refinancing distribution and is included in "other liabilities" on our consolidated balance sheets.
(4) Our negative basis resulted from a deferred gain from the sale of a $47.0 \%$ ownership interest in the property on May 27, 2016 and is included in "other liabilities" on our consolidated balance sheets.

## VORNADO <br> REALTY TRUST

## UNCONSOLIDATED JOINT VENTURES

(unaudited and in thousands)

|  | Percentage Ownership at March 31, 2018 | Our Share of Net (Loss) Income for the Three Months Ended March 31, |  |  |  | Our Share of NOI (non-GAAP) for the <br> Three Months Ended March 31, |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 2018 |  | 2017 |  | 2018 |  | 2017 |  |
| Joint Venture Name |  |  |  |  |  |  |  |  |  |
| New York: |  |  |  |  |  |  |  |  |  |
| One Park Avenue | 55.0\% | \$ | $(4,898){ }^{(1)}$ | \$ | 804 | \$ | 5,934 | \$ | 3,686 |
| Alexander's | 32.4\% |  | $(3,209){ }^{(2)}$ |  | 6,892 |  | 11,575 |  | 11,743 |
| Independence Plaza | 50.1\% |  | 1,484 |  | 1,248 |  | 5,650 |  | 5,530 |
| 650 Madison Avenue | 20.1\% |  | $(1,063)$ |  | $(1,468)$ |  | 2,505 |  | 2,182 |
| 7 West 34th Street | 53.0\% |  | 1,029 |  | 103 |  | 3,437 |  | 3,386 |
| 330 Madison Avenue | 25.0\% |  | 714 |  | 1,343 |  | 2,777 |  | 2,327 |
| 825 Seventh Avenue | 50.0\% |  | 692 |  | 677 |  | 846 |  | 840 |
| 85 Tenth Avenue | 49.9\% |  | (553) |  | 555 |  | 4,604 |  | 4,582 |
| 280 Park Avenue | 50.0\% |  | (264) |  | $(1,284)$ |  | 9,490 |  | 8,179 |
| West 57th Street properties | 50.0\% |  | (81) |  | (44) |  | 198 |  | 253 |
| Moynihan Office Building | 50.1\% |  | (19) |  | - |  | (19) |  | - |
| Other, net | Various |  | (770) |  | (722) |  | 1,377 |  | 1,385 |
|  |  |  | $(6,938)$ |  | 8,104 |  | 48,374 |  | 44,093 |
| Other: |  |  |  |  |  |  |  |  |  |
| 666 Fifth Avenue Office Condominium | 49.5\% |  | $(3,492)$ |  | $(10,197)$ |  | 5,273 |  | 5,366 |
| Alexander's corporate fee income | 32.4\% |  | 1,208 |  | 1,509 |  | 1,208 |  | 1,507 |
| UE | 4.5\% |  | (641) |  | 1,300 |  | 2,872 |  | 3,290 |
| PREIT | 8.0\% |  | (429) |  | $(2,830)$ |  | 5,721 |  | 6,162 |
| Rosslyn Plaza | 43.7\% to 50.4\% |  | (284) |  | (55) |  | 1,033 |  | 1,172 |
| Suffolk Downs | 21.2\% |  | 298 |  | (236) |  | (14) |  | 294 |
| Other, net | Various |  | 374 |  | 3,763 |  | 1,647 |  | 2,844 |
|  |  |  | $(2,966)$ |  | $(6,746)$ |  | 17,740 |  | 20,635 |
|  |  |  |  |  |  |  |  |  |  |
| Total |  | \$ | $(9,904)$ | \$ | 1,358 | \$ | 66,114 | \$ | 64,728 |

(1) 2018 includes our $\$ 4,978$ share of potential additional Transfer Tax related to the March 2011 acquisition of One Park Avenue.
(2) 2018 includes our $\$ 7,708$ share of Alexander's potential additional Transfer Tax.

## VORNADO

## REALTY TRUS <br> SQUARE FOOTAGE

| (unaudited and square feet in thousands) |  | At Vornado's Share |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { At } \\ \text { 100\% } \end{gathered}$ |  |  |  |  |  |  |
|  |  | Total | Under Development | In Service |  |  |  |
|  |  |  |  | Office | Retail | Showroom | Other |
| Segment: |  |  |  |  |  |  |  |
| New York: |  |  |  |  |  |  |  |
| Office | 21,421 | 17,611 | 646 | 16,782 | - | 183 | - |
| Retail | 2,888 | 2,549 | 128 | - | 2,421 | - | - |
| Residential - 1,696 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 |
|  | 29,714 | 23,185 | 774 | 17,070 | 2,840 | 183 | 2,318 |
| Other: |  |  |  |  |  |  |  |
| theMART | 3,693 | 3,684 | - | 2,043 | 109 | 1,532 | - |
| 555 California Street (70\% interest) | 1,805 | 1,264 | 45 | 1,188 | 31 | - | - |
| Other | 4,280 | 2,050 | 863 | 212 | 864 | - | 111 |
|  | 9,778 | 6,998 | 908 | 3,443 | 1,004 | 1,532 | 111 |
|  |  |  |  |  |  |  |  |
| Total square feet at March 31, 2018 | 39,492 | 30,183 | 1,682 | 20,513 | 3,844 | 1,715 | 2,429 |
|  |  |  |  |  |  |  |  |
| Total square feet at December 31, 2017 | 39,439 | 30,133 | 1,568 | 20,500 | 3,892 | 1,744 | 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 March 31, 2018 | 2,823 | 20 | 8,168 |  |  |  |  |

## VORNADO

REALTY TRUST
TOP 30 TENANTS

| (unaudited and in thousands, except square feet) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Tenants | Square <br> Footage <br> At Share ${ }^{(1)}$ | Annualized Revenues At Share (non-GAAP) ${ }^{(1)}$ |  | \% of Annualized Revenues At Share (non-GAAP) ${ }^{(2)}$ |
| IPG and affiliates | 923,896 | \$ | 58,798 | 2.4\% |
| Facebook | 513,896 |  | 50,013 | 2.0\% |
| Swatch Group USA | 25,633 |  | 40,571 | 1.6\% |
| Macy's | 646,434 |  | 37,831 | 1.5\% |
| Victoria's Secret (guaranteed by L Brands, Inc.) | 91,427 |  | 34,339 | 1.4\% |
| Bloomberg L.P. | 287,898 |  | 33,469 | 1.4\% |
| AXA Equitable Life Insurance | 336,646 |  | 32,267 | 1.3\% |
| Google/Motorola Mobility (guaranteed by Google) | 728,483 |  | 32,111 | 1.3\% |
| Oath (Verizon) | 327,138 |  | 30,685 | 1.2\% |
| Forever 21 | 170,374 |  | 30,445 | 1.2\% |
| Ziff Brothers Investments, Inc. | 287,030 |  | 30,229 | 1.2\% |
| McGraw-Hill Companies, Inc. | 479,557 |  | 29,897 | 1.2\% |
| AMC Networks, Inc. | 404,920 |  | 26,423 | 1.1\% |
| The City of New York | 565,846 |  | 25,053 | 1.0\% |
| Topshop | 94,349 |  | 23,685 | 1.0\% |
| Amazon (including its Whole Foods subsidiary) | 308,113 |  | 23,519 | 0.9\% |
| Fast Retailing (Uniqlo) | 90,732 |  | 22,867 | 0.9\% |
| Madison Square Garden | 344,355 |  | 22,500 | 0.9\% |
| Neuberger Berman Group LLC | 288,325 |  | 22,475 | 0.9\% |
| J. Crew | 250,635 |  | 21,841 | 0.9\% |
| Hollister | 21,741 |  | 19,809 | 0.8\% |
| JCPenney | 426,370 |  | 19,699 | 0.8\% |
| Bank of America | 232,728 |  | 18,390 | 0.7\% |
| PwC | 243,434 |  | 17,137 | 0.7\% |
| New York University | 287,637 |  | 15,748 | 0.6\% |
| U.S. Government | 578,711 |  | 13,469 | 0.5\% |
| Integrated Holdings Group | 131,565 |  | 12,704 | 0.5\% |
| Information Builders, Inc. | 229,064 |  | 12,505 | 0.5\% |
| Cushman \& Wakefield | 127,314 |  | 11,645 | 0.5\% |
| New York \& Company, Inc. | 207,585 |  | 11,520 | 0.5\% |
|  |  |  |  | 31.4\% |

[^2]
## 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 | 86,000 | \$ | 3,558,000 | \$ | 41.37 | 0.3\% |
|  |  |  |  |  |  |  |  |
|  | Second Quarter 2018 | 177,000 |  | 13,415,000 |  | 75.79 | 1.2\% |
|  | Third Quarter 2018 | 74,000 |  | 6,382,000 |  | 86.24 | 0.6\% |
|  | Fourth Quarter 2018 | 325,000 |  | 25,740,000 |  | 79.20 | 2.3\% |
|  | Total 2018 | 576,000 |  | 45,537,000 |  | 79.06 | 4.1\% |
|  | First Quarter 2019 | 171,000 |  | 11,135,000 |  | 65.12 | 1.0\% |
|  | Remaining 2019 | 520,000 |  | 34,036,000 |  | 65.45 | 3.0\% |
|  | 2020 | 1,385,000 |  | 95,875,000 |  | 69.22 | 8.5\% |
|  | 2021 | 1,165,000 |  | 86,424,000 |  | 74.18 | 7.6\% |
|  | 2022 | 773,000 |  | 47,834,000 |  | 61.88 | 4.2\% |
|  | 2023 | 1,918,000 |  | 152,204,000 |  | 79.36 | 13.4\% |
|  | 2024 | 1,306,000 |  | 102,540,000 |  | 78.51 | 9.0\% |
|  | 2025 | 802,000 |  | 59,280,000 |  | 73.92 | 5.1\% |
|  | 2026 | 1,406,000 |  | 104,183,000 |  | 74.10 | 9.2\% |
|  | 2027 | 1,088,000 |  | 76,693,000 |  | 70.49 | 6.8\% |
|  | 2028 | 991,000 |  | 67,512,000 |  | 68.13 | 6.0\% |
|  | Thereafter | 3,975,000 |  | 246,927,000 |  | 62.12 | 21.8\% |
| Retail: | Month to Month | 55,000 | \$ | 3,476,000 | \$ | 63.20 | 0.8\% |
|  |  |  |  |  |  |  |  |
|  | Second Quarter 2018 | 9,000 |  | 1,887,000 |  | 209.67 | 0.4\% |
|  | Third Quarter 2018 | 44,000 |  | 14,506,000 |  | 329.68 | 3.2\% |
|  | Fourth Quarter 2018 | 9,000 |  | 1,708,000 |  | 189.78 | 0.4\% |
|  | Total 2018 | 62,000 |  | 18,101,000 |  | 291.95 | 4.0\% |
|  | First Quarter 2019 | 55,000 |  | 15,105,000 |  | 274.64 | 3.4\% |
|  | Remaining 2019 | 161,000 |  | 22,865,000 |  | 142.02 | 5.1\% |
|  | 2020 | 82,000 |  | 12,094,000 |  | 147.49 | 2.7\% |
|  | 2021 | 66,000 |  | 11,069,000 |  | 167.71 | 2.5\% |
|  | 2022 | 32,000 |  | 7,388,000 |  | 230.88 | 1.7\% |
|  | 2023 | 90,000 |  | 39,190,000 |  | 435.44 | 8.8\% |
|  | 2024 | 193,000 |  | 71,783,000 |  | 371.93 | 16.1\% |
|  | 2025 | 41,000 |  | 17,776,000 |  | 433.56 | 4.0\% |
|  | 2026 | 129,000 |  | 42,091,000 |  | 326.29 | 9.4\% |
|  | 2027 | 31,000 |  | 21,472,000 |  | 692.65 | 4.8\% |
|  | 2028 | 43,000 |  | 16,082,000 |  | 374.00 | 3.6\% |
|  | Thereafter | 874,000 |  | 148,092,000 |  | 169.44 | 33.1\% |

[^3]
## VORNADO

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 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | otal |  |  |  |
| Office / Showroom / Retail: | Month to Month | 4,000 | \$ | 239,000 | \$ | 59.75 | 0.2\% |
|  | Second Quarter 2018 | 17,000 |  | 760,000 |  | 44.71 | 0.5\% |
|  | Third Quarter 2018 | 175,000 |  | 6,401,000 |  | 36.58 | 4.2\% |
|  | Fourth Quarter 2018 | 49,000 |  | 2,274,000 |  | 46.41 | 1.5\% |
|  | Total 2018 | 241,000 |  | 9,435,000 |  | 39.15 | 6.2\% |
|  | First Quarter 2019 | 63,000 |  | 3,287,000 |  | 52.17 | 2.1\% |
|  | Remaining 2019 | 90,000 |  | 4,525,000 |  | 50.28 | 2.9\% |
|  | 2020 | 294,000 |  | 13,111,000 |  | 44.60 | 8.5\% |
|  | 2021 | 344,000 |  | 14,595,000 |  | 42.43 | 9.5\% |
|  | 2022 | 654,000 |  | 28,180,000 |  | 43.09 | 18.3\% |
|  | 2023 | 277,000 |  | 12,666,000 |  | 45.73 | 8.2\% |
|  | 2024 | 219,000 |  | 8,959,000 |  | 40.91 | 5.9\% |
|  | 2025 | 332,000 |  | 15,311,000 |  | 46.12 | 9.9\% |
|  | 2026 | 181,000 |  | 8,090,000 |  | 44.70 | 5.3\% |
|  | 2027 | 108,000 |  | 4,828,000 |  | 44.70 | 3.1\% |
|  | 2028 | 631,000 |  | 24,066,000 |  | 38.14 | 15.6\% |
|  | Thereafter | 168,000 |  | 6,677,000 |  | 39.74 | 4.3\% |

(1) Excludes storage, vacancy and other.

## VORNADO

REALTY TRUS

## LEASE EXPIRATIONS

555 California Street
(unaudited)

|  | Period of Lease Expiration | Our Share of Square Feet of Expiring Leases ${ }^{(1)}$ | Weighted Average Annual Rent of Expiring Leases |  |  |  | Percentage of <br> Annualized <br> Escalated Rent |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Total |  | Per Sq. Ft. |  |  |
| Office / Retail: | Month to Month | - | \$ | - | \$ | - | - |
|  | 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\% |
|  | First Quarter 2019 | - |  | - |  | - | -\% |
|  | Remaining 2019 | 40,000 |  | 3,313,000 |  | 82.83 | 3.8\% |
|  | 2020 | 101,000 |  | 6,289,000 |  | 62.27 | 7.3\% |
|  | 2021 | 76,000 |  | 5,234,000 |  | 68.87 | 6.1\% |
|  | 2022 | 37,000 |  | 2,801,000 |  | 75.70 | 3.3\% |
|  | 2023 | 132,000 |  | 9,012,000 |  | 68.27 | 10.5\% |
|  | 2024 | 59,000 |  | 5,033,000 |  | 85.31 | 5.8\% |
|  | 2025 | 343,000 |  | 23,318,000 |  | 67.98 | 27.1\% |
|  | 2026 | 138,000 |  | 10,324,000 |  | 74.81 | 12.0\% |
|  | 2027 | 65,000 |  | 5,164,000 |  | 79.45 | 6.0\% |
|  | 2028 | - |  | - |  | - | -\% |
|  | Thereafter | 164,000 |  | 15,067,000 |  | 91.87 | 17.5\% |

(1) Excludes storage, vacancy and other.

## VORNADO <br> REALTY TRUST

## LEASING ACTIVITY

(unaudited)

 improvements and leasing commissions are based on our share of square feet 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.

(3) Excluding a single lease at 770 Broadway for 77 square feet, the GAAP and cash basis mark-to-markets were positive $20.2 \%$ and $12.5 \%$, respectively.
(4) Excluding a single lease at 435 Seventh Avenue for 43 square feet, the GAAP and cash basis mark-to-markets were positive $19.2 \%$ and $4.9 \%$, respectively.

## VORNADO <br> 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: |  |  |  |
| March 31, 2018 | 96.9\% | 99.1\% | 97.8\% |
| December 31, 2017 | 97.2\% | 98.6\% | 94.2\% |
| March 31, 2017 | 96.6\% | 98.9\% | 93.1\% |
| Same store NOI at share \% increase (decrease) ${ }^{(1)}$ : |  |  |  |
| Three months ended March 31, 2018 compared to March 31, 2017 | 4.0 \% ${ }^{(2)}$ | 3.4\% | 12.3\% |
| Three months ended March 31, 2018 compared to December 31, 2017 | (5.6)\% ${ }^{(2)}$ | $10.7 \%{ }^{(3)}$ | 12.6\% |
| Same store NOI at share - cash basis \% increase (decrease) ${ }^{(1)}$ : |  |  |  |
| Three months ended March 31, 2018 compared to March 31, 2017 | 5.6 \% ${ }^{(2)}$ | 10.0\% | 13.3\% |
| Three months ended March 31, 2018 compared to December 31, 2017 | (4.5)\% ${ }^{(2)}$ | 10.9\% ${ }^{(3)}$ | 7.6\% |

(1) See pages vii through x in the Appendix: Non-GAAP reconciliations for same store NOI - at share reconciliations.

|  |  | Increase (Decrease) |
| :---: | :---: | :---: |
|  | Excluding Hotel Pennsylvania - same store NOI at share \% increase (d |  |
|  | Three months ended March 31, 2018 compared to March 31, 2017 | 3.7 \% |
|  | Three months ended March 31, 2018 compared to December 31, 2017 | (2.2)\% |
| Excluding Hotel Pennsylvania - same store NOI at share - cash basis \% increase (decrease): |  |  |
|  | Three months ended March 31, 2018 compared to March 31, 2017 | 5.3 \% |
|  | Three months ended March 31, 2018 compared to December 31, 2017 | (0.8)\% |

(3) Excluding tradeshows seasonality, same store NOI at share and same store NOI at share - cash basis decreased by $0.7 \%$ and $0.5 \%$, respectively.

RESIDENTIAL STATISTICS in service

| (unaudited) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Vornado's Ownership Interest |  |  |
|  | Number of Units | Number of Units | Occupancy Rate | Average Monthly Rent Per Unit |
| New York: |  |  |  |  |
| March 31, 2018 | 2,008 | 980 | 96.9\% | \$3,726 |
| December 31, 2017 | 2,009 | 981 | 96.7\% | \$3,722 |
| March 31, 2017 | 2,004 | 977 | 95.4\% | \$3,600 |

## VORNADO <br> REALTY TRUST

DEVELOPMENT/REDEVELOPMENT SUMMARY - AS OF MARCH 31, 2018
(unaudited and in thousands, except square feet)

| Current Projects: | Segment | Property Rentable Sq. Ft. | (At Share) |  |  | Costs |  | $\begin{gathered} \% \\ \text { Complete } \end{gathered}$ | Start | Initial Occupancy | Full Quarter Stabilized Operations |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | $\begin{gathered} \text { Incremental } \\ \text { Budget } \end{gathered}$ |  | Amount Expended |  | ${ }^{(1)}$ |  |  |  |  |
| 220 Central Park South - residential condominiums | Other | 397,000 | \$ | 1,400,000 | \$ | 970,000 |  | 69.3\% | Q3 2012 | N/A | N/A |
| Moynihan Office Building - (50.1\% interest) ${ }^{(2)}$ | New York | 850,000 |  | 400,000 |  | 30,375 |  | 7.6\% | Q2 2017 | Q3 2020 | Q2 2022 |
| One Penn Plaza - renovation ${ }^{(3)}$ | New York | 2,530,000 |  | 200,000 |  | 2,460 |  | 1.2\% | Q4 2018 | N/A | N/A |
| 61 Ninth Avenue - office/retail ( $45.1 \%$ interest) ${ }^{(4)}$ | New York | 170,000 |  | 69,000 |  | 51,826 |  | 75.1\% | Q1 2016 | Q2 2018 | Q2 2019 |
| 512 West 22nd Street - office/retail (55.0\% interest) | New York | 173,000 |  | 72,000 |  | 44,521 | (5) | 61.8\% | Q4 2015 | Q3 2018 | Q1 2020 |
| 345 Montgomery Street (555 California Street) (70.0\% interest) | Other | 64,000 |  | 32,000 |  | 3,157 | (6) | 9.9\% | Q1 2018 | Q3 2019 | Q3 2020 |
| 606 Broadway - office/retail (50.0\% interest) | New York | 34,000 |  | 30,000 |  | 19,195 | (7) | 64.0\% | Q2 2016 | Q4 2018 | Q2 2020 |
| 825 Seventh Avenue - office (50.0\% interest) | New York | 165,000 |  | 15,000 |  | 1,103 |  | 7.4\% | Q2 2018 | Q1 2020 | Q1 2021 |
| Total current projects |  |  |  |  |  | 1,122,637 |  |  |  |  |  |


| Future Opportunities: | Segment | Property Zoning Sq. Ft. |
| :---: | :---: | :---: |
| Penn Plaza - multiple opportunities - office/residential/retail | New York | TBD |
| Hotel Pennsylvania | New York | 2,052,000 |
| 260 Eleventh Avenue - office ${ }^{(8)}$ | 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 |

[^4]
## VORNADO <br> REALTY TRUST

CAPITAL EXPENDITURES,
TENANT IMPROVEMENTS AND LEASING COMMISSIONS
CONSOLIDATED
(unaudited and in thousands, except per square foot amounts)

|  | Three Months Ended March 31, 2018 |  | Year Ended December 31, |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 2017 |  | 2016 |  |
| Capital expenditures (accrual basis): |  |  |  |  |  |  |
| Expenditures to maintain assets | \$ | 18,087 | \$ | 100,556 | \$ | 114,031 |
| Tenant improvements |  | 24,102 |  | 89,696 |  | 86,630 |
| Leasing commissions |  | 11,590 |  | 30,165 |  | 38,938 |
| Non-recurring capital expenditures |  | 12,283 |  | 80,461 |  | 55,636 |
| Total capital expenditures and leasing commissions (accrual basis) |  | 66,062 |  | 300,878 |  | 295,235 |
| Adjustments to reconcile to cash basis: |  |  |  |  |  |  |
| Expenditures in the current period applicable to prior periods |  | 23,534 |  | 153,511 |  | 268,101 |
| Expenditures to be made in future periods for the current period |  | $(30,352)$ |  | $(142,877)$ |  | $(117,910)$ |
| Total capital expenditures and leasing commissions (cash basis) | \$ | 59,244 | \$ | 311,512 | \$ | 445,426 |
|  |  |  |  |  |  |  |
| Our share of square feet leased |  | 617 |  | 2,111 |  | 2,307 |
| Tenant improvements and leasing commissions per square foot per annum | \$ | 8.66 | \$ | 9.51 | \$ | 7.79 |
| Percentage of initial rent |  | 9.4\% |  | 11.1\% |  | 10.0\% |


|  | Three Months Ended March 31, 2018 |  | Year Ended December 31, |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 2017 |  |  | 2016 |  |
| Development and redevelopment expenditures: |  |  |  |  |  |  |  |
| 220 Central Park South | \$ | 75,239 | \$ | 265,791 |  | \$ | 303,974 |
| 606 Broadway |  | 4,791 |  | 15,997 |  |  | 4,234 |
| 345 Montgomery Street (555 California Street) |  | 2,196 |  | 5,950 |  |  | 434 |
| Penn Plaza |  | 1,218 |  | 7,107 |  |  | 11,904 |
| 90 Park Avenue |  | 412 |  | 7,523 |  |  | 33,308 |
| Marriott Marquis Times Square - retail and signage |  | 352 |  | 1,982 |  |  | 9,283 |
| 640 Fifth Avenue |  | 190 |  | 1,648 |  |  | 46,282 |
| 304 Canal Street |  | 162 |  | 3,973 |  |  | 5,941 |
| theMART |  | 129 |  | 5,682 |  |  | 24,788 |
| Other |  | 2,119 |  | 40,199 | (1) |  | 166,417 |
|  | \$ | 86,808 | \$ | 355,852 |  | \$ | 606,565 |

(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)

|  | Three Months Ended March 31, 2018 |  | Year Ended December 31, |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 2017 |  | 2016 |  |
| Capital expenditures (accrual basis): |  |  |  |  |  |  |
| Expenditures to maintain assets | \$ | 11,965 | \$ | 73,745 | \$ | 67,239 |
| Tenant improvements |  | 20,836 |  | 42,475 |  | 63,995 |
| Leasing commissions |  | 10,973 |  | 21,183 |  | 32,475 |
| Non-recurring capital expenditures |  | 8,182 |  | 68,977 |  | 41,322 |
| Total capital expenditures and leasing commissions (accrual basis) |  | 51,956 |  | 206,380 |  | 205,031 |
| Adjustments to reconcile to cash basis: |  |  |  |  |  |  |
| Expenditures in the current period applicable to prior periods |  | 20,524 |  | 101,500 |  | 159,144 |
| Expenditures to be made in future periods for the current period |  | $(27,227)$ |  | $(90,798)$ |  | $(100,151)$ |
| Total capital expenditures and leasing commissions (cash basis) | \$ | 45,253 | \$ | 217,082 | \$ | 264,024 |
|  |  |  |  |  |  |  |
| Our share of square feet leased |  | 436 |  | 1,566 |  | 1,932 |
| Tenant improvements and leasing commissions per square foot per annum | \$ | 9.73 | \$ | 10.21 | \$ | 7.98 |
| Percentage of initial rent |  | 9.3\% |  | 10.9\% |  | 9.7\% |


|  | Three Months Ended March 31, 2018 |  | Year Ended December 31, |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 2017 |  | 2016 |  |
| Development and redevelopment expenditures: |  |  |  |  |  |  |
| 606 Broadway | \$ | 4,791 | \$ | 15,997 | \$ | 4,234 |
| Penn Plaza |  | 1,218 |  | 7,107 |  | 11,904 |
| 90 Park Avenue |  | 412 |  | 7,523 |  | 33,308 |
| Marriott Marquis Times Square - retail and signage |  | 352 |  | 1,982 |  | 9,283 |
| 640 Fifth Avenue |  | 190 |  | 1,648 |  | 46,282 |
| 304 Canal Street |  | 162 |  | 3,973 |  | 5,941 |
| Other |  | 1,690 |  | 5,144 |  | 7,251 |
|  | \$ | 8,815 | \$ | 43,374 | \$ | 118,203 |

## VORNADO <br> REALTY TRUST

CAPITAL EXPENDITURES,
TENANT IMPROVEMENTS AND LEASING COMMISSIONS
theMART
(unaudited and in thousands, except per square foot amounts)

|  | Three Months Ended March 31, 2018 |  | Year Ended December 31, |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 2017 |  | 2016 |  |
| Capital expenditures (accrual basis): |  |  |  |  |  |  |
| Expenditures to maintain assets | \$ | 2,651 | \$ | 11,725 | \$ | 16,343 |
| Tenant improvements |  | 2,433 |  | 9,423 |  | 6,722 |
| Leasing commissions |  | 254 |  | 1,190 |  | 1,355 |
| Non-recurring capital expenditures |  | 156 |  | 1,092 |  | 1,518 |
| Total capital expenditures and leasing commissions (accrual basis) |  | 5,494 |  | 23,430 |  | 25,938 |
| Adjustments to reconcile to cash basis: |  |  |  |  |  |  |
| Expenditures in the current period applicable to prior periods |  | 2,044 |  | 8,784 |  | 24,314 |
| Expenditures to be made in future periods for the current period |  | $(2,977)$ |  | $(9,011)$ |  | 1,654 |
| Total capital expenditures and leasing commissions (cash basis) | \$ | 4,561 | \$ | 23,203 | \$ | 51,906 |
|  |  |  |  |  |  |  |
| Our share of square feet leased |  | 119 |  | 345 |  | 269 |
| Tenant improvements and leasing commissions per square foot per annum | \$ | 4.19 | \$ | 5.13 | \$ | 5.57 |
| Percentage of initial rent |  | 8.3\% |  | 10.8\% |  | 11.6\% |


|  | Three Months Ended March 31, 2018 |  | Year Ended December 31, |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 2017 |  | 2016 |  |
| Development and redevelopment expenditures: |  |  |  |  |  |  |
| Common area enhancements | \$ | 129 | \$ | 5,682 | \$ | 24,788 |
| Other |  | 136 |  | 459 |  | 1,384 |
|  | \$ | 265 | \$ | 6,141 | \$ | 26,172 |

## VORNADO

REALTY TRUST
CAPITAL EXPENDITURES,
TENANT IMPROVEMENTS AND LEASING COMMISSIONS

## 555 CALIFORNIA STREET

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

|  | Three Months Ended March 31, 2018 |  | Year Ended December 31, |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 2017 |  | 2016 |  |
| Capital expenditures (accrual basis): |  |  |  |  |  |  |
| Expenditures to maintain assets | \$ | 3,471 | \$ | 7,893 | \$ | 5,704 |
| Tenant improvements |  | 833 |  | 6,652 |  | 3,201 |
| Leasing commissions |  | 363 |  | 2,147 |  | 1,041 |
| Non-recurring capital expenditures |  | 3,945 |  | 6,208 |  | 3,900 |
| Total capital expenditures and leasing commissions (accrual basis) |  | 8,612 |  | 22,900 |  | 13,846 |
| Adjustments to reconcile to cash basis: |  |  |  |  |  |  |
| Expenditures in the current period applicable to prior periods |  | 966 |  | 17,906 |  | 12,708 |
| Expenditures to be made in future periods for the current period |  | (148) |  | $(3,301)$ |  | $(3,056)$ |
| Total capital expenditures and leasing commissions (cash basis) | \$ | 9,430 | \$ | 37,505 | \$ | 23,498 |
|  |  |  |  |  |  |  |
| Our share of square feet leased |  | 62 |  | 200 |  | 106 |
| Tenant improvements and leasing commissions per square foot per annum | \$ | 11.64 | \$ | 10.33 | \$ | 9.08 |
| Percentage of initial rent |  | 13.6\% |  | 11.7\% |  | 11.8\% |


|  | Three Months Ended March 31, 2018 |  | Year Ended December 31, |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 2017 |  | 2016 |  |
| Development and redevelopment expenditures: |  |  |  |  |  |  |
| 345 Montgomery Street | \$ | 2,196 | \$ | 5,950 | \$ | 434 |
| Other |  | 134 |  | 6,465 |  | 8,716 |
|  | \$ | 2,330 | \$ | 12,415 | \$ | 9,150 |

## VORNADO

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

|  | Three Months Ended March 31, 2018 |  | Year Ended December 31, |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 2017 |  |  | 2016 |  |
| Development and redevelopment expenditures: |  |  |  |  |  |  |  |
| 220 Central Park South | \$ | 75,239 | \$ | 265,791 |  | \$ | 303,974 |
| Other |  | 159 |  | 28,131 | (1) |  | 149,066 |
|  | \$ | 75,398 | \$ | 293,922 |  | \$ | 453,040 |

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

## VORNADO <br> \section*{REALTY TRUST}



## VORNADO <br> REALTY TRUST

PROPERTY TABLE


## VORNADO

REALTY TRUST

## PROPERTY TABLE

| Property | $\stackrel{\%}{\text { Ownership }}$ | $\begin{gathered} \% \\ \text { Occupancy } \end{gathered}$ | Weighted Average Annual Rent PSF ${ }^{(1)}$ |  | Square Feet |  |  | Encumbrances (non-GAAP) (in thousands) ${ }^{(2)}$ | 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, |
| -Office | 100.0\% | 98.7\% | \$ | 92.71 | 875,000 | 875,000 | - | 375,000 | Vornado Executive Headquarters |
| -Retail | 100.0\% | 100.0\% |  | 260.93 | 15,000 | 15,000 | - | - | Redeye Grill L.P. |
|  | 100.0\% | 98.7\% |  | 95.55 | 890,000 | 890,000 | - | 375,000 |  |
| 57th Street - 2 buildings |  |  |  |  |  |  |  |  |  |
| -Office | 50.0\% | 84.6\% |  | 47.67 | 81,000 | 81,000 | - | 20,000 |  |
| -Retail | 50.0\% | 100.0\% |  | 134.19 | 22,000 | 22,000 | - | = |  |
|  | 50.0\% | 87.9\% |  | 66.15 | 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\% |  | 221.00 | 4,000 | 4,000 | - | - | Lindy's |
|  | 51.2\% | 100.0\% |  | 82.07 | 169,000 | 169,000 | - | 20,500 |  |
| Total Midtown West |  |  |  |  | 1,162,000 | 1,162,000 | - | 415,500 |  |
| Park Avenue: |  |  |  |  |  |  |  |  |  |
| 280 Park Avenue |  |  |  |  |  |  |  |  | Cohen \& Steers Inc., GIC Inc., Franklin Templeton Co. LLC, |
| -Office | 50.0\% | 95.0\% |  | 101.48 | 1,233,000 | 1,233,000 | - | 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\% | 95.1\% |  | 101.44 | 1,259,000 | 1,259,000 | - | 1,200,000 |  |
| 350 Park Avenue |  |  |  |  |  |  |  |  | Kissinger Associates Inc., Ziff Brothers Investment Inc., |
| -Office | 100.0\% | 100.0\% |  | 107.13 | 554,000 | 554,000 | - | 400,000 | MFA Financial Inc., M\&T Bank |
| -Retail | 100.0\% | 100.0\% |  | 269.39 | 17,000 | 17,000 | - | - | Fidelity Investment, AT\& W Wireless, Valley National Bank |
|  | 100.0\% | 100.0\% |  | 111.96 | 571,000 | 571,000 | - | 400,000 |  |
| Total Park Avenue |  |  |  |  | 1,830,000 | 1,830,000 | = | 1,600,000 |  |
| Grand Central: |  |  |  |  |  |  |  |  |  |
| 90 Park Avenue |  |  |  |  |  |  |  |  | Alston \& Bird, Capital One, PwC, <br> Factset Research Systems Inc., Foley \& Lardner Citibank, Starbucks |
| -Office | 100.0\% | 97.4\% |  | 77.89 | 937,000 | 937,000 | - | - |  |
| -Retail | 100.0\% | 100.0\% |  | 131.53 | 24,000 | 24,000 | - | 二 |  |
|  | 100.0\% | 97.5\% |  | 79.23 | 961,000 | 961,000 | - | - |  |
| 330 Madison Avenue |  |  |  |  |  |  |  |  | Guggenheim Partners LLC, HSBC Bank AFS, Glencore Ltd., Jones Lang LaSalle Inc., Wells Fargo, American Century Ann Taylor Retail Inc., Citibank, Starbucks |
| -Office | 25.0\% | 96.9\% |  | 77.54 | 813,000 | 813,000 | - | 500,000 |  |
| -Retail | 25.0\% | 100.0\% |  | 327.47 | 33,000 | 33,000 | - | - |  |
|  | 25.0\% | 97.0\% |  | 87.29 | 846,000 | 846,000 | - | 500,000 |  |
| 510 Fifth Avenue |  |  |  |  |  |  |  |  |  |
| -Retail | 100.0\% | 100.0\% |  | 149.15 | 66,000 | 66,000 | - | - | The North Face, Elie Tahari |
| Total Grand Central |  |  |  |  | 1,873,000 | 1,873,000 | - | 500,000 |  |

## VORNADO

REALTY TRUST
NEW YORK SEGMENT
PROPERTY TABLE


## VORNADO

## REALTY TRUST

## NEW YORK SEGMENT



## VORNADO

REALTY TRUST
NEW YORK SEGMENT


## VORNADO <br> REALTY TRUST

NEW YORK SEGMENT

| PROPERTY TABLE |
| :--- |

## VORNADO

REALTY TRUST

| PROPERTY TABLE |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Property | \% Ownership | $\begin{gathered} \text { \% } \\ \text { Occupancy } \end{gathered}$ | Weighted Average Annual Rent PSF ${ }^{(1)}$ |  | 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 | 32.4\% | 100.0\% | \$ | 116.25 | 889,000 | 889,000 | - | \$ | 500,000 | Bloomberg |
| -Retail | 32.4\% | 99.4\% |  | 192.88 | 174,000 | 174,000 | - |  | 350,000 | Hennes \& Mauritz, The Home Depot, The Container Store |
|  | 32.4\% | 99.9\% |  | 127.71 | 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 (adjacent to Rego Park I), Queens ( 6.6 acres) |  |  |  |  |  |  |  |  |  |  |
|  | 32.4\% | 99.9\% |  | 44.84 | 609,000 | 609,000 | - |  | 255,223 | 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, |  |  |  |  |  |  |  |  |  |  |
| Residential (312 units) | 32.4\% | 92.6\% |  | - | 255,000 | 255,000 | - |  | - |  |
| New Jersey: |  |  |  |  |  |  |  |  |  |  |
| Paramus, New Jersey |  |  |  |  |  |  |  |  |  |  |
| Property to be Developed: |  |  |  |  |  |  |  |  |  |  |
| Rego Park III (adjacent to Rego Park II), |  |  |  |  |  |  |  |  |  |  |
| Total Alexander's | 32.4\% | 99.1\% |  | 78.57 | 2,437,000 | 2,437,000 | - |  |  |  |
|  |  |  |  |  |  |  |  |  | 1,251,469 |  |
| Hotel Pennsylvania: |  |  |  |  |  |  |  |  |  |  |
| -Hotel (1,700 Keys) | 100.0\% |  |  |  | 1,400,000 | 1,400,000 | - |  | - |  |
| Total New York |  | 97.1\% | \$ | 88.83 | 29,714,000 | 28,317,000 | 1,397,000 | \$ | 12,002,305 |  |
| Vornado's Ownership Interest |  | 96.9\% | \$ | 75.88 | 23,185,000 | 22,411,000 | 774,000 | \$ | 7,960,120 |  |

[^5]
## VORNADO

REALTY TRUST


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

REAL ESTATE FUND
PROPERTY TABLE

| Property |  | \% Occupancy | Weighted Average AnnualPSF $^{(1)}$ PSF ${ }^{(1)}$ |  | 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 |  |  |  |
| VORNADO CAPITAL PARTNERS REAL ESTATE FUND: |  |  |  |  |  |  |  |  |  |  |
| New York, NY: |  |  |  |  |  |  |  |  |  |  |
| Lucida, 86th Street and Lexington Avenue (ground leased through 2082) |  |  |  |  |  |  |  |  |  | Barnes \& Noble, Hennes \& Mauritz, |
| - Retail | 100.0\% | 100.0\% | \$ | 232.54 | 96,000 | 96,000 | - |  |  | Sephora, Bank of America |
| - Residential (39 units) | 100.0\% | 92.3\% |  |  | 59,000 | 59,000 | - |  |  |  |
|  | 100.0\% |  |  |  | 155,000 | 155,000 | - | \$ | 145,271 |  |
| Crowne Plaza Times Square - Hotel (795 Keys) |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| - Retail | 75.3\% | 97.4\% |  | 102.60 | 44,000 | 44,000 | - |  |  |  |
| - Office | 75.3\% | 60.6\% |  | 44.93 | 197,000 | 197,000 | - |  |  | American Management Association |
|  | 75.3\% | 67.3\% |  | 55.46 | 241,000 | 241,000 | $\square$ |  | 310,000 |  |
| 501 Broadway | 100.0\% | 100.0\% |  | 264.03 | 9,000 | 9,000 | - |  | 23,000 | Capital One Financial Corporation |
| Miami, FL: |  |  |  |  |  |  |  |  |  |  |
| 1100 Lincoln Road |  |  |  |  |  |  |  |  |  |  |
| - Retail | 100.0\% | 71.7\% |  | 175.93 | 51,000 | 49,000 | 2,000 |  |  | Banana Republic |
| - Theatre | 100.0\% | 100.0\% |  | 39.38 | 79.000 | 79.000 | - |  |  | Regal Cinema |
|  | 100.0\% | 89.2\% |  | 81.53 | 130,000 | 128,000 | 2,000 |  | 82,750 |  |
| Total Real Estate Fund | 88.8\% | 82.4\% |  |  | 535,000 | 533,000 | 2,000 | \$ | 561,021 |  |
| Vornado's Ownership Interest | 28.6\% | 78.6\% |  |  | 154,000 | 154,000 | 1,000 | \$ | 136,205 |  |

$\overline{(1)}$ Weighted average annual rent per square foot excludes ground rent, storage rent and garages.

## VORNADO <br> \section*{REALTYTRUST}

## OTHER


(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.

## VORNADO

## APPENDIX <br> NON-GAAP RECONCILIATIONS

## VORNADO <br> REALTY TRUST

## NON-GAAP RECONCILIATIONS

RECONCILIATION OF NET (LOSS) INCOME ATTRIBUTABLE TO COMMON SHAREHOLDERS TO NET INCOME ATTRIBUTABLE TO COMMON SHAREHOLDERS, AS ADJUSTED

| (unaudited and in thousands, except per share amounts) |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Three Months Ended |  |  |  |  |  |
|  |  | March 31, |  |  |  | $\begin{gathered} \text { December 31, } \\ 2017 \end{gathered}$ |  |
|  |  | 2018 |  | 2017 |  |  |  |
| Net (loss) income attributable to common shareholders | (A) | \$ | (17,841) | \$ | 47,752 | \$ | 27,319 |
| Per diluted share |  | \$ | (0.09) | \$ | 0.25 | \$ | 0.14 |
| Certain expense (income) items that impact net (loss) income attributable to common shareholders: |  |  |  |  |  |  |  |
| Decrease in fair value of marketable securities resulting from a new GAAP accounting standard effective January 1, 2018 |  | \$ | 34,660 | \$ | - | \$ | - |
| Our share of potential additional New York City transfer taxes based on a Tax Tribunal interpretation which Vornado is appealing |  |  | 23,503 |  | - |  | - |
| Preferred share issuance costs |  |  | 14,486 |  | - |  | - |
| 666 Fifth Avenue Office Condominium (49.5\% interest) |  |  | 3,492 |  | 10,197 |  | 3,042 |
| Our share of real estate fund investments (excluding our \$4,252 share of One Park Avenue potential additional transfer taxes and reduction in carried interest) |  |  | (814) |  | 3,235 |  | (529) |
| Loss (income) from discontinued operations (primarily related to JBG SMITH Properties operating results and transaction costs through July 17, 2017 spin-off) |  |  | 363 |  | $(15,318)$ |  | 1,535 |
| 220 Central Park South deferred tax benefit adjustment |  |  | - |  | - |  | 34,800 |
| Write-off of unsecured notes issuance |  |  | - |  | - |  | 4,836 |
| Other |  |  | 3,420 |  | 949 |  | $(3,002)$ |
|  |  |  | 79,110 |  | (937) |  | 40,682 |
| Noncontrolling interests' share of above adjustments |  |  | $(4,881)$ |  | 58 |  | $(2,522)$ |
| Total of certain expense (income) items that impact net (loss) income attributable to common shareholders | (B) | \$ | 74,229 | \$ | (879) | \$ | 38,160 |
| Per diluted share (non-GAAP) |  | \$ | 0.39 | \$ | - | \$ | 0.20 |
|  |  |  |  |  |  |  |  |
| Net income attributable to common shareholders, as adjusted (non-GAAP) | (A+B) | \$ | 56,388 | \$ | 46,873 | \$ | 65,479 |
| Per diluted share (non-GAAP) |  | \$ | 0.30 | \$ | 0.25 | \$ | 0.34 |

## VORNADO <br> REALTY TRUST

## NON-GAAP RECONCILIATIONS

 PLUS ASSUMED CONVERSIONS
(unaudited and in thousands, except per share amounts)


## VORNADO <br> REALTY TRUST

## NON-GAAP RECONCILIATIONS

RECONCILIATION OF FFO ATTRIBUTABLE TO COMMON SHAREHOLDERS PLUS ASSUMED CONVERSIONS TO FFO ATTRIBUTABLE TO COMMON SHAREHOLDERS PLUS ASSUMED CONVERSIONS, AS ADJUSTED

|  |  | Three Months Ended |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | March 31, |  |  |  | $\begin{gathered} \text { December 31, } \\ 2017 \end{gathered}$ |  |
|  |  | 2018 |  | 2017 |  |  |  |
| FFO attributable to common shareholders plus assumed conversions (non-GAAP) ${ }^{(1)}$ | (A) | \$ | 102,479 | \$ | 205,729 | \$ | 153,151 |
| Per diluted share (non-GAAP) |  | \$ | 0.54 | \$ | 1.08 | \$ | 0.80 |
| Certain expense (income) items that impact FFO attributable to common shareholders plus assumed conversions: |  |  |  |  |  |  |  |
| Decrease in fair value of marketable securities resulting from a new GAAP accounting standard effective January 1, 2018 |  | \$ | 34,660 | \$ | - | \$ | - |
| Our share of potential additional New York City transfer taxes based on a Tax Tribunal interpretation which Vornado is appealing |  |  | 23,503 |  | - |  | - |
| Preferred share issuance costs |  |  | 14,486 |  | - |  | - |
| Our share of real estate fund investments (excluding our \$4,252 share of One Park Avenue potential additional transfer taxes and reduction in carried interest) |  |  | (814) |  | 3,235 |  | (529) |
| FFO from discontinued operations (primarily related to JBG SMITH Properties operating results and transaction costs through July 17, 2017 spin-off) |  |  | 363 |  | $(48,093)$ |  | 1,535 |
| 666 Fifth Avenue Office Condominium (49.5\% interest) |  |  | 137 |  | $(3,553)$ |  | $(1,103)$ |
| Tax expense related to the reduction of our taxable REIT subsidiaries deferred tax assets |  |  | - |  | - |  | 34,800 |
| Expense related to the prepayment of our 2.50\% senior unsecured notes due 2019 |  |  | - |  | - |  | 4,836 |
| Other |  |  | 3,721 |  | (249) |  | $(2,863)$ |
|  |  |  | 76,056 |  | $(48,660)$ |  | 36,676 |
| Noncontrolling interests' share of above adjustments |  |  | $(4,693)$ |  | 3,036 |  | $(2,274)$ |
| Total of certain expense (income) items that impact FFO attributable to common shareholders plus assumed conversions | (B) | \$ | 71,363 | \$ | $(45,624)$ | \$ | 34,402 |
| Per diluted share |  | \$ | 0.37 | \$ | $\underline{(0.24)}$ | \$ | 0.18 |
| FFO attributable to common shareholders plus assumed conversions, as adjusted (non-GAAP) | ( $\mathrm{A}+\mathrm{B}$ ) | \$ | 173,842 | \$ | 160,105 | \$ | 187,553 |
| Per diluted share (non-GAAP) |  | \$ | 0.91 | \$ | 0.84 | \$ | 0.98 |

## VORNADO <br> REALTY TRUS

## NON-GAAP RECONCILIATIONS

RECONCILIATION OF FFO ATTRIBUTABLE TO COMMON SHAREHOLDERS PLUS ASSUMED CONVERSIONS TO FAD

 seasonality of our operations.

## VORNADO <br> REALTY TRUST

## NON-GAAP RECONCILIATIONS

RECONCILIATION OF NET INCOME TO NET OPERATING INCOME AT SHARE AND NET OPERATING INCOME AT SHARE - CASH BASIS

| (unaudited and in thousands) |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | For the Three Months Ended |  |  |  |  |  |
|  | March 31, |  |  |  | $\begin{gathered} \text { December 31, } \\ 2017 \\ \hline \end{gathered}$ |  |
|  | 2018 |  | 2017 |  |  |  |
| Net income | \$ | 282 | \$ | 73,847 | \$ | 53,551 |
| Deduct: |  |  |  |  |  |  |
| Loss (income) from partially owned entities |  | 9,904 |  | $(1,358)$ |  | $(9,622)$ |
| Loss (income) from real estate fund investments |  | 8,807 |  | (268) |  | $(4,889)$ |
| Interest and other investment loss (income), net |  | 24,384 |  | $(6,695)$ |  | $(8,294)$ |
| Net gains on disposition of wholly owned and partially owned assets |  | - |  | (501) |  | - |
| Loss (income) from discontinued operations |  | 363 |  | $(15,318)$ |  | $(1,273)$ |
| NOI attributable to noncontrolling interests in consolidated subsidiaries |  | $(17,312)$ |  | $(16,338)$ |  | $(16,533)$ |
| Add: |  |  |  |  |  |  |
| Depreciation and amortization expense |  | 108,686 |  | 105,128 |  | 114,166 |
| General and administrative expense |  | 43,633 |  | 47,237 |  | 35,139 |
| Transaction related costs and other |  | 13,156 |  | 752 |  | 703 |
| NOI from partially owned entities |  | 67,513 |  | 66,097 |  | 69,175 |
| Interest and debt expense |  | 88,166 |  | 82,724 |  | 93,073 |
| Income tax expense |  | 1,454 |  | 1,851 |  | 38,661 |
| NOI at share |  | 349,036 |  | 337,158 |  | 363,857 |
| Non cash adjustments for straight-line rents, amortization of acquired below-market leases, net and other |  | $(17,948)$ |  | $(20,481)$ |  | $(21,579)$ |
| NOI at share - cash basis | \$ | 331,088 | \$ | 316,677 | \$ | 342,278 |

## VORNADO <br> REALTY TRUST

## NON-GAAP RECONCILIATIONS

COMPONENTS OF NET OPERATING INCOME AT SHARE AND NET OPERATING INCOME AT SHARE - CASH BASIS
(unaudited and in thousands)

For the Three Months Ended March 31,

## New York

Other
Consolidated total subsidiaries
Our share of partially owned entities
Vornado's share

| Total Revenues |  |  |  | Operating Expenses |  |  |  | NOI |  |  |  | Non-cash Adjustments ${ }^{(1)}$ |  |  |  | NOI - cash basis |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2018 | 2017 |  | 2018 |  | 2017 |  | 2018 |  | 2017 |  | 2018 |  | 2017 |  | 2018 |  | 2017 |  |
| \$ | 448,484 | \$ | 426,239 | \$ | 197,916 | \$ | 183,107 | \$ | 250,568 | \$ | 243,132 | \$ | $(15,167)$ | \$ | $(18,910)$ | \$ | 235,401 | \$ | 224,222 |
|  | 87,953 |  | 81,819 |  | 39,686 |  | 37,552 |  | 48,267 |  | 44,267 |  | (665) |  | $(2,253)$ |  | 47,602 |  | 42,014 |
|  | 536,437 |  | 508,058 |  | 237,602 |  | 220,659 |  | 298,835 |  | 287,399 |  | $(15,832)$ |  | $(21,163)$ |  | 283,003 |  | 266,236 |
|  | $(27,050)$ |  | $(25,869)$ |  | $(9,738)$ |  | $(9,531)$ |  | $(17,312)$ |  | $(16,338)$ |  | 544 |  | 3,452 |  | $(16,768)$ |  | $(12,886)$ |
|  | 110,300 |  | 109,481 |  | 42,787 |  | 43,384 |  | 67,513 |  | 66,097 |  | $(2,660)$ |  | $(2,770)$ |  | 64,853 |  | 63,327 |
| \$ | 619,687 | \$ | 591,670 | \$ | 270,651 | \$ | 254,512 | \$ | 349,036 | \$ | 337,158 | \$ | $(17,948)$ | \$ | $(20,481)$ | \$ | 331,088 | \$ | 316,677 |

For the Three Months Ended December 31, 2017

|  | Total Revenues |  | Operating Expenses |  | NOI |  | Non-cash Adjustments ${ }^{(1)}$ |  | NOI - cash basis |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| New York | \$ | 462,597 | \$ | 195,421 | \$ | 267,176 | \$ | $(17,761)$ | \$ | 249,415 |
| Other |  | 73,629 |  | 29,590 |  | 44,039 |  | 160 |  | 44,199 |
| Consolidated total |  | 536,226 |  | 225,011 |  | 311,215 |  | $(17,601)$ |  | 293,614 |
| Noncontrolling interests' share in consolidated subsidiaries |  | $(26,594)$ |  | $(10,061)$ |  | $(16,533)$ |  | 315 |  | $(16,218)$ |
| Our share of partially owned entities |  | 114,677 |  | 45,502 |  | 69,175 |  | $(4,293)$ |  | 64,882 |
| Vornado's share | \$ | 624,309 | \$ | 260,452 | \$ | 363,857 | \$ | $(21,579)$ | \$ | 342,278 |

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

NET OPERATING INCOME AT SHARE BY REGION
(unaudited)

|  | Three Months Ended March 31, |  |
| :---: | :---: | :---: |
|  | 2018 | 2017 |
| Region: |  |  |
| New York City metropolitan area | 88\% | 88\% |
| Chicago, IL | 8\% | 8\% |
| San Francisco, CA | 4\% | 4\% |
|  | 100\% | 100\% |

## VORNADO <br> REALTY TRUS

## NON-GAAP RECONCILIATIONS

RECONCILIATION OF NOI AT SHARE TO SAME STORE NOI AT SHARE FOR THE THREE MONTHS ENDED MARCH 31, 2018 COMPARED TO MARCH 31, 2017
(unaudited and in thousands)

|  | New York |  | theMART |  | 555 California Street |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| NOI at share (non-GAAP) for the three months ended March 31, 2018 | \$ | 288,596 | \$ | 26,875 | \$ | 13,511 |
| Less NOI at share from: |  |  |  |  |  |  |
| Acquisitions |  | (350) |  | (85) |  | - |
| Dispositions |  | 40 |  | - |  | - |
| Development properties placed into and out of service |  | (412) |  | - |  | - |
| Lease termination income, net of straight-line and FAS 141 adjustments |  | $(1,127)$ |  | - |  | - |
| Other non-operating income, net |  | (579) |  | - |  | - |
| Same store NOI at share (non-GAAP) for the three months ended March 31, 2018 | \$ | 286,168 | \$ | 26,790 | \$ | 13,511 |
|  |  |  |  |  |  |  |
| NOI at share (non-GAAP) for the three months ended March 31, 2017 | \$ | 277,155 | \$ | 25,889 | \$ | 12,034 |
| Less NOI at share from: |  |  |  |  |  |  |
| Acquisitions |  | - |  | 31 |  | - |
| Dispositions |  | (228) |  | - |  | - |
| Development properties placed into and out of service |  | 16 |  | - |  | - |
| Lease termination income, net of straight-line and FAS 141 adjustments |  | (638) |  | (20) |  | - |
| Other non-operating income, net |  | $(1,084)$ |  | - |  | - |
| Same store NOI at share (non-GAAP) for the three months ended March 31, 2017 | \$ | 275,221 | \$ | 25,900 | \$ | 12,034 |
|  |  |  |  |  |  |  |
| Increase in same store NOI at share for the three months ended March 31, 2018 compared to March 31, 2017 | \$ | 10,947 | \$ | 890 | \$ | 1,477 |
|  |  |  |  |  |  |  |
| \% increase in same store NOI at share |  | 4.0\% ${ }^{(1)}$ |  | 3.4\% |  | 12.3\% |

(1) Excluding Hotel Pennsylvania, same store NOI at share increased by $3.7 \%$.

## VORNADO <br> REALTY TRUST

## NON-GAAP RECONCILIATIONS

RECONCILIATION OF NOI AT SHARE TO SAME STORE NOI AT SHARE FOR THE THREE MONTHS ENDED MARCH 31, 2018 COMPARED TO DECEMBER 31, 2017
(unaudited and in thousands)

|  | New York |  | theMART |  | 555 California Street |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| NOI at share (non-GAAP) for the three months ended March 31, 2018 | \$ | 288,596 | \$ | 26,875 | \$ | 13,511 |
| Less NOI at share from: |  |  |  |  |  |  |
| Acquisitions |  | (109) |  | (85) |  | - |
| Dispositions |  | 40 |  | - |  | - |
| Development properties placed into and out of service |  | (412) |  | - |  | - |
| Lease termination income, net of straight-line and FAS 141 adjustments |  | $(1,127)$ |  | - |  | - |
| Other non-operating income, net |  | (579) |  | - |  | - |
| Same store NOI at share (non-GAAP) for the three months ended March 31, 2018 | \$ | 286,409 | \$ | 26,790 | \$ | 13,511 |
|  |  |  |  |  |  |  |
| 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 |  | 309 |  | - |  | - |
| Lease termination income, net of straight-line and FAS 141 adjustments |  | (984) |  | - |  | - |
| Other non-operating income, net |  | (16) |  | - |  | - |
| Same store NOI at share (non-GAAP) for the three months ended December 31, 2017 | \$ | 303,531 | \$ | 24,203 | \$ | 12,003 |
|  |  |  |  |  |  |  |
| (Decrease) increase in same store NOI at share for the three months ended March 31, 2018 compared to December 31, 2017 | \$ | $(17,122)$ | \$ | 2,587 | \$ | 1,508 |
|  |  |  |  |  |  |  |
| \% (decrease) increase in same store NOI at share |  | (5.6)\% ${ }^{(1)}$ |  | 10.7\% |  | 12.6\% |

(1) Excluding Hotel Pennsylvania, same store NOI at share decreased by $2.2 \%$.
(2) Excluding tradeshows seasonality, same store NOI at share decreased by $0.7 \%$.

## VORNADO <br> REALTYTRUS

## NON-GAAP RECONCILIATIONS

RECONCILIATION OF NOI AT SHARE - CASH BASIS TO SAME STORE NOI AT SHARE - CASH BASIS FOR THE THREE MONTHS ENDED MARCH 31, 2018 COMPARED TO MARCH 31, 2017
(unaudited and in thousands)

(1) Excluding Hotel Pennsylvania, same store NOI at share - cash basis increased by $5.3 \%$.

## VORNADO <br> REALTY TRUST

## NON-GAAP RECONCILIATIONS

RECONCILIATION OF NOI AT SHARE - CASH BASIS TO SAME STORE NOI AT SHARE - CASH BASIS FOR THE THREE MONTHS ENDED MARCH 31, 2018 COMPARED TO DECEMBER 31, 2017
(unaudited and in thousands)

|  | New York |  | theMART |  | 555 California Street |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| NOI at share - cash basis (non-GAAP) for the three months ended March 31, 2018 | \$ | 271,273 | \$ | 27,079 | \$ | 12,826 |
| Less NOI at share - cash basis from: |  |  |  |  |  |  |
| Acquisitions |  | (109) |  | (85) |  | - |
| Dispositions |  | 40 |  | - |  | - |
| Development properties placed into and out of service |  | (603) |  | - |  | - |
| Lease termination income |  | $(1,061)$ |  | - |  | - |
| Other non-operating income, net |  | (579) |  | - |  | - |
| Same store NOI at share - cash basis (non-GAAP) for the three months ended March 31, 2018 | \$ | 268,961 | \$ | 26,994 | \$ | 12,826 |
|  |  |  |  |  |  |  |
| 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 |  | 253 |  | - |  | - |
| Lease termination income |  | $(1,393)$ |  | - |  | - |
| Other non-operating income, net |  | (16) |  | - |  | - |
| Same store NOI at share - cash basis (non-GAAP) for the three months ended December 31, 2017 | \$ | 281,625 | \$ | 24,350 | \$ | 11,916 |
|  |  |  |  |  |  |  |
| (Decrease) increase in same store NOI at share - cash basis for the three months ended March 31, 2018 compared to December 31, 2017 | \$ | $(12,664)$ | \$ | 2,644 | \$ | 910 |
|  |  |  |  |  |  |  |
| \% (decrease) increase in same store NOI at share - cash basis |  | (4.5)\% ${ }^{(1)}$ |  | 10.9\% ${ }^{(2)}$ |  | 7.6\% |

(1) Excluding Hotel Pennsylvania, same store NOI at share - cash basis decreased by $0.8 \%$.
(2) Excluding tradeshows seasonality, same store NOI at share - cash basis decreased by $0.5 \%$.

## VORNADO

REALTY TRUST
NON-GAAP RECONCILIATIONS
RECONCILIATION OF CONSOLIDATED REVENUES TO OUR PRO RATA SHARE OF REVENUES (ANNUALIZED)
(unaudited and in thousands)

|  | Three Months Ended March 31, 2018 |  |
| :---: | :---: | :---: |
| Consolidated revenues | \$ | 536,437 |
| Noncontrolling interest adjustments |  | $(27,050)$ |
| Consolidated revenues at our share (non-GAAP) |  | 509,387 |
| Unconsolidated revenues at our share, excluding Toys "R" Us, Inc. |  | 110,300 |
| Our pro rata share of revenues (non-GAAP) | \$ | 619,687 |
| Our pro rata share of revenues (annualized) (non-GAAP) | \$ | 2,478,748 |

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

|  | Three Months Ended March 31, 2018 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Consolidated Debt, net |  | Deferred Financing Costs, Net and Other |  | Contractual Debt (non-GAAP) |  |
| Mortgages payable | \$ | 8,102,238 | \$ | 62,480 | \$ | 8,164,718 |
| Senior unsecured notes |  | 843,125 |  | 6,875 |  | 850,000 |
| \$750 Million unsecured term loan |  | 749,114 |  | 886 |  | 750,000 |
| \$2.5 Billion unsecured revolving credit facilities |  | 80,000 |  | - |  | 80,000 |
|  | \$ | 9,774,477 | \$ | 70,241 | \$ | 9,844,718 |

## VORNADO <br> REALTY TRUST

## NON-GAAP RECONCILIATIONS RECONCILIATION OF NET INCOME TO EBITDARe

(unaudited and in thousands)

EBITDAre (i.e., EBITDA for real estate companies) is a non-GAAP financial measure established by NAREIT, which may not be comparable to EBITDA reported by other REITs that do not compute EBITDA in accordance with the NAREIT definition. The White Paper on EBITDAre approved by the Board of Governors of NAREIT in September 2017 defines EBITDAre as GAAP net income (loss), plus interest expense, plus income tax expense, plus depreciation and amortization, plus (minus) losses and gains on the disposition of depreciated property including losses and gains on change of control, plus impairment write-downs of depreciated property and of investments in unconsolidated joint ventures caused by a decrease in value of depreciated property in the joint venture, plus adjustments to reflect the entity's share of EBITDA of unconsolidated joint ventures.

|  |  |  |
| :--- | :--- | :--- |

## VORNADO <br> REALTY TRUST

## NON-GAAP RECONCILIATIONS <br> RECONCILIATION OF EBITDAR TO EBITDAre, AS ADJUSTED

| (unaudited and in thousands) |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Three Months Ended |  |  |  |  |  |
|  |  | March 31, |  |  |  | $\begin{gathered} \text { December 31, } \\ 2017 \end{gathered}$ |  |
|  |  | 2018 |  | 2017 |  |  |  |
| EBITDAre (non-GAAP) | (A) | \$ | 260,466 | \$ | 375,147 | \$ | 361,395 |
|  |  |  |  |  |  |  |  |
| EBITDAre attributable to noncontrolling interests in consolidated subsidiaries | (B) |  | $(4,314)$ |  | $(18,813)$ |  | $(20,352)$ |
| Certain expense (income) items that impact EBITDAre: |  |  |  |  |  |  |  |
| Decrease in fair value of marketable securities resulting from a new GAAP accounting standard effective January 1, 2018 |  |  | 34,660 |  | - |  | - |
| Our share of potential additional New York City transfer taxes based on a Tax Tribunal interpretation which Vornado is appealing |  |  | 23,503 |  | - |  | - |
| 666 Fifth Avenue Office Condominium (49.5\% interest) |  |  | $(6,648)$ |  | $(6,149)$ |  | $(6,553)$ |
| Our share of real estate fund investments (excluding our \$4,252 share of One Park Avenue potential additional transfer taxes and reduction in carried interest) |  |  | (814) |  | 3,235 |  | (529) |
| EBITDAre from discontinued operations (primarily related to JBG SMITH Properties operating results and transaction costs through July 17, 2017 spin-off) |  |  | 363 |  | $(62,092)$ |  | (758) |
| Other |  |  | 1,192 |  | (249) |  | (560) |
|  | (C) |  | 52,256 |  | $(65,255)$ |  | $(8,400)$ |
|  |  |  |  |  |  |  |  |
| EBITDAre, as adjusted (non-GAAP) | ( $A+B+C)$ | \$ | 308,408 | \$ | 291,079 | \$ | 332,643 |


[^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]:    (1) See reconciliation of consolidated debt, net (GAAP) to contractual debt (non-GAAP) on page xi in Appendix: Non-GAAP Reconciliations

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

[^3]:    (1) Excludes storage, vacancy and other

[^4]:    (1) Excludes land and acquisition costs of $\$ 515,426$
    (2) Excludes $\$ 115,230$ for our share of the upfront contribution of $\$ 230,000$. The building and land are subject to a lease which expires in 2116 .
    (3) The building is subject to a ground lease which expires in 2098.
    (4) The building is subject to a ground lease which expires in 2115.
    (5) Excludes land and acquisition costs of $\$ 57,000$.
    (6) Excludes land and building costs of $\$ 31,000$.
    (7) Excludes land and acquisition costs of \$22,703.
    (8) The building is subject to a ground lease which expires in 2114.

[^5]:    * Lease not yet commenced.
    (1) Weighted average annual rent per square foot for office properties excludes garages and de minimis amounts of storage space. Weighted average annual rent per square foot for retail excludes non-selling space.
    (2) Represents the contractual debt obligations.
    (3) Excludes US Post Office leased through 2038 (including four five-year renewal options) for which the annual escalated rent is $\$ 12.30$ PSF.
     Fifth Avenue Office Condominium
    (5) Leased by Alexander's through January 2037.

[^6]:    * 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.

