



G R E S B<sup>®</sup>  
REAL ESTATE

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## Ventas, Inc.

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GRESB GRESB Real Estate Assessment 2017

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## ASPECT CHECKLIST

There are no checklist items.

## ENTITY AND REPORTING CHARACTERISTICS

## Entity Characteristics

## EC2

Nature of ownership:

 Listed entity

Please specify ISIN:

Year of commencement:

Legal status:

 Property company Real Estate Investment Trust (REIT) Non-listed entity Government entity

## EC3

The reporting period is:

 Calendar year Fiscal year

## EC4

Is the organization a member of a real estate association?

 Yes (multiple answers possible) Asian Association for Investors in Non-listed Real Estate Vehicles (ANREV) Asia Pacific Real Estate Association (APREA) British Property Federation (BPF) European Public Real Estate Association (EPRA) National Association of Real Estate Investment Trusts (NAREIT) Pension Real Estate Association (PREA) Real Property Association of Canada (REALpac) No

ENTITY AND REPORTING CHARACTERISTICS

Reporting Characteristics

RC1

Values are reported in:

United States Dollar USD

RC2

What was the gross asset value (GAV) of the entity at the end of the reporting period?

25255

RC3

Metrics are reported in:

m2

sq. ft.

RC4

What is the entity's core business?

Management of standing investments only (continue with RC5.1, RC5.2, RC6)

Management of standing investments and development of new construction and major renovation projects (continue with RC5.1, RC5.2, RC6, RC-NC1, RC-NC2, RC-NC3)

Development of new construction and major renovation projects (continue with [GRESB Developer Assessment](#))

RC5.1

Describe the composition of the entity's standing investments during the reporting period:

Property Type	% of GAV	Number of Assets	Floor Area		Units	% Indirectly Managed Assets
			ft <sup>2</sup>	Floor Area Type		
Retail, High Street	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>
Retail, Shopping Center	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>
Retail, Warehouse	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>
Office	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>
Industrial, Distribution Warehouse	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>
Industrial, Business Parks	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>
Industrial, Manufacturing	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>
Residential, Multi-family	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>
Residential, Family Homes	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>
Senior Homes	<input type="text" value="64"/>	<input type="text" value="791"/>	<input type="text" value="54055374"/>	<input type="text" value="Floor Area"/>	<input type="text" value="67155"/>	<input type="text" value="100"/>
Residential, Student Housing	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>
Hotel	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>
Healthcare	<input type="text" value="9"/>	<input type="text" value="128"/>	<input type="text" value="11004235"/>	<input type="text" value="Floor Area"/>	<input type="text" value="13325"/>	<input type="text" value="100"/>
Medical Office	<input type="text" value="21"/>	<input type="text" value="386"/>	<input type="text" value="21498829.7"/>	<input type="text" value="Floor Area"/>	<input type="text"/>	<input type="text" value="35"/>
Lodging, Leisure & Recreation	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>
Data Centers	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>
Self-storage	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>
Parking (indoors)	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>
Laboratories	<input type="text" value="6"/>	<input type="text" value="23"/>	<input type="text" value="4255109"/>	<input type="text" value="Floor Area"/>	<input type="text"/>	<input type="text" value="100"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>
<b>Totals:</b>	<b>100</b>	<b>1,328</b>	<b>90,813,548</b>			

Note: The table above defines the scope of your 2017 GRESB submission and should include the total portfolio.

Note: Use the table above to define the structure of the standing investments portion of your portfolio. Any development projects (New Constructions and/or Major Renovations) should be defined in [RC-NC1.1](#) and [RC-NC2.1](#).

## RC5.2

Provide additional context for the reporting boundaries (maximum 250 words)

The Senior Homes property type consists of retirement homes/apartments that provide seniors with various levels of care, categorized by the senior living industry into independent living, assisted living, and memory care. A senior home may include one or more of these levels of care. Ventas does not directly manage any senior homes and cannot independently implement operating and/or environmental policies and measures. Senior homes in our Seniors Housing Operating Portfolio (SHOP) are under management agreements with third party operators. Senior homes in our Triple-Net Leased Portfolio (NNN) are leased to senior housing operators.

The Healthcare property type includes specialty hospitals, acute care hospitals, skilled nursing facilities and international hospitals. Ventas does not directly manage these properties and cannot independently implement operating and/or environmental policies and measures.

The Medical Office property type consists of Medical Office Buildings (MOBs) where Ventas directly manages 65% of the assets through its wholly-owned subsidiary, Lillibridge Healthcare Services. The remaining 35% are operated by third-party managers or under triple-net leases, and Ventas does not have operational control or the ability to independently implement operating and/or environmental policies and measures.

The Other, Laboratories property type includes life science buildings, with laboratory and office uses that are leased to universities, academic medical centers and research companies. Ventas does not directly manage these assets and cannot independently implement operating and/or environmental policies and measures.

This Medical Office and Laboratory categories do not have units, only square feet.

## RC6

Which countries are included in the entity's portfolio?

Country	% of GAV
United States	94
Canada	5
United Kingdom	1
Total % GAV	100



ENTITY AND REPORTING CHARACTERISTICS

New Construction & Major Renovations

RC-NC1.1

Describe the composition of the entity's new construction projects during the reporting period:

Property Type	In progress at the end of reporting period			Completed during reporting period		
	Number of Assets	Gross Floor Area	GAV* in millions	Number of Assets	Gross Floor Area	GAV* in millions
Retail, High Street	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Retail, Shopping Center	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Retail, Warehouse	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Office	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Industrial, Distribution Warehouse	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Industrial, Business Parks	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Industrial, Manufacturing	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Residential, Multi-family	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Residential, Family Homes	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Senior Homes	<input type="text" value="2"/>	<input type="text" value="450179"/>	<input type="text" value="113.6"/>	<input type="text" value="4"/>	<input type="text" value="385216"/>	<input type="text" value="117.3"/>
Residential, Student Housing	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Hotel	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Healthcare	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Medical Office	<input type="text" value="1"/>	<input type="text" value="233000"/>	<input type="text" value="166.4"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Lodging, Leisure & Recreation	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Data Centers	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Self-storage	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Parking (indoors)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Life Science	<input type="text" value="3"/>	<input type="text" value="503100"/>	<input type="text" value="270.1"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

\* GAV either according to fair value or based on construction costs

**RC-NC1.2**

Provide additional context for the reporting boundaries on new construction projects (maximum 250 words)

GAV for in progress projects is based on total construction costs.

**RC-NC2.1**

Describe the composition of the entity's major renovation projects during the reporting period:

Property Type	In progress at the end of reporting period			Completed during reporting period		
	Number of Assets	Gross Floor Area	GAV* in millions	Number of Assets	Gross Floor Area	GAV* in millions
Retail, High Street	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Retail, Shopping Center	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Retail, Warehouse	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Office	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Industrial, Distribution Warehouse	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Industrial, Business Parks	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Industrial, Manufacturing	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Residential, Multi-family	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Residential, Family Homes	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Senior Homes	<input type="text" value="15"/>	<input type="text" value="1811591"/>	<input type="text" value="389.42"/>	<input type="text" value="6"/>	<input type="text" value="1029051"/>	<input type="text" value="318.78"/>
Residential, Student Housing	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Hotel	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Healthcare	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Medical Office	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Lodging, Leisure & Recreation	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Data Centers	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Self-storage	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Parking (indoors)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

\* GAV either according to fair value or based on construction costs

**RC-NC2.2**

Provide additional context for the reporting boundaries on major renovation projects (maximum 250 words)

GAV for in progress projects is based on total construction costs.

**RC-NC3**

Which countries are included in the entity's portfolio of new construction and major renovation projects?

Country	% of GAV
United States	100
Total % GAV	100

MANAGEMENT

Sustainability Objectives

1

Does the entity have specific sustainability objectives?

Yes

The objectives relate to (multiple answers possible)

- General sustainability
- Environment
- Social
- Governance

The objectives are (select one)

- Fully integrated into the overall business strategy
- Partially integrated into the overall business strategy
- Not integrated into the overall business strategy

The objectives are

- Publicly available
  - Online - hyperlink

Provide hyperlink

<http://www.ventasreit.com/corporate-responsibility/corporate-governance>

Indicate where the relevant information can be found

Entire page (Governance objectives)

Provide hyperlink

<http://www.ventasreit.com/corporate-responsibility/sustainability>

Indicate where the relevant information can be found

Entire page (Environmental objectives)

Provide hyperlink

<http://www.ventasreit.com/corporate-responsibility/social-responsibility>

Indicate where the relevant information can be found

Entire page (Social objectives)

Provide hyperlink

<http://www.ventasreit.com/corporate-responsibility/social-responsibility/our-people>

Indicate where the relevant information can be found

Entire page (Social objectives)

Provide hyperlink

<http://www.ventasreit.com/corporate-responsibility/social-responsibility/our-communities>

Indicate where the relevant information can be found

Entire page (Social objectives)

- Offline - separate document

Communicate the objectives (maximum 250 words)

Ventas believes a strong, independent Board, commitment to sustainability, and socially responsible practices are essential to delivering shareholder value. We are committed to maintaining corporate governance practices that are in the best interests of stockholders. Our practices and policies promote fairness, alignment, accountability of management, transparency, risk management and delivery of consistent, superior returns. We follow many best governance practices; our dedication to our stockholders goes beyond rules-based compliance. Our approach is embedded in our culture; it is also borne out by our performance, employee relationships, investors, business partners, and external recognition. Ventas's commitment to sustainability is a key corporate value. As a leading owner of healthcare real estate, we support and apply measurable sustainability practices and standards. Sustainability practices are embedded in our acquisitions, asset management and property management processes. These practices create value for our shareholders through operating efficiencies, while preserving the planet. Sustainability provides opportunities to invest in our portfolio, improve our emissions footprint, reduce consumption, improve operating metrics, and expand our ENERGY STAR and LEED certifications. Ventas has short- and long-term (10-year) reduction targets for energy, GHG emissions, water, and waste; and progress is measured annually. Ventas seeks to maintain and improve our leadership position in ESG disclosures, performance, and reduce risks from bribery and corruption. Charitable giving is an important value; we believe we have a responsibility to improve the lives of others. Through the Ventas Charitable Foundation, we contribute to local and national organizations that are important to our employees and customers.

Not publicly available

No

2

Does the organization have one or more persons responsible for implementing the sustainability objectives at entity level? (multiple answers possible)

Yes

Select the persons responsible (multiple answers possible)

Dedicated employee(s) for whom sustainability is the core responsibility

Provide the details for the most senior of these employees

Name

Kelly Meissner

Job title

Director, Sustainability

E-mail

kmeissner@ventasreit.com

LinkedIn profile (optional)

<https://www.linkedin.com/in/kelly-meissner-4a19603/>

Employee(s) for whom sustainability is among their responsibilities

Provide the details for the most senior of these employees

Name

Debra A. Cafaro

Job title

Chairman of the Board and Chief Executive Officer

E-mail

dcafar@ventasreit.com

LinkedIn profile (optional)

External consultants/manager

Name of the organization

Goby, Inc.

Name of main contact

Chris Happ

Job title

CEO

E-mail

chapp@gobyinc.com

LinkedIn profile (optional)

<https://www.linkedin.com/in/chris-happ-goby/>

Other

No

Not applicable

**MANAGEMENT**

**Sustainability Decision Making**

3

Does the organization have a sustainability taskforce or committee that is applicable to the entity?

Yes

Select the members of this taskforce or committee (multiple answers possible)

Asset managers

Board of Directors

External consultants

Name of the organization  
Goby, Inc.

Fund/portfolio managers

Property managers

Senior Management Team

Other

Other selected. Please describe

[Legal, Acquisitions, Human Resources, Marketing, and Investor Relations team members](#)

No

4

Does the entity have a senior decision-maker accountable for sustainability?

Yes

The individual is part of

Board of Directors

Senior Management Team

Fund/portfolio managers

Investment Committee

Other

Provide the details for the most senior decision-maker on sustainability issues

Name

Debra A. Cafaro

Job title

Chairman of the Board and Chief Executive Officer

E-mail

dcafarof@ventasreit.com

LinkedIn profile (optional)

No

5

Does the entity have a formal process to inform the most senior decision-maker on the sustainability performance of the entity?

Yes

Describe the process (maximum 250 words)

Our method of informing the most senior level decision maker, Ms. Debra A. Cafaro, Chairman and CEO of Ventas, of sustainability efforts, is via quarterly ESG Committee meetings and regular email memorandums. Ms. Cafaro is the most senior member of the ESG Committee, which is chaired by our Director of Sustainability and includes employees from across the company, as indicated in our response to question 3. The committee meets quarterly to share information and disclosure regarding climate change and environmental matters, and identify opportunities to improve the climate change profile of the portfolio in ways that are cost effective and beneficial to our shareholders. Ms. Cafaro typically attends these meetings (in person or via phone) and is otherwise provided with detailed meeting minutes including updates on the performance of any new sustainability projects within the Ventas portfolio and discussions of performance against our short- and long-term environmental reduction targets. The ESG Committee actively monitors all adverse developments related to sustainability efforts and communicates with legal, acquisitions, and asset and risk management teams, as well as consolidating and improving our awareness, information collection and disclosure regarding environmental matters. Ventas also reviews the sustainability characteristics of its portfolio, including the number of ENERGY STAR and LEED properties in the Ventas portfolio, as part of our quarterly earnings reporting, in our annual report, ad hoc reporting updates, tracking of long-term targets, presentations and materials for the Board of Directors and various shareholder interactions.

No

6

Does the organization include sustainability factors in the annual performance targets of the employees responsible for this entity?

Yes

Select the employees to whom these factors apply (multiple answers possible)

Acquisitions team

All employees

Asset managers

Board of Directors

Client services team

Fund/portfolio managers

Property managers

Senior Management Team

Other

No

## POLICY AND DISCLOSURE

## Sustainability Disclosure

7.1

Does the organization disclose its sustainability performance?

 Yes (multiple answers possible)

 Section in Annual Report

[Ventas\\_AR\\_2016\\_reduced\\_file\\_size.pdf](#)

Indicate where in the evidence the relevant information can be found

Sustainability section; pdf page 5 / document page 7; bottom right corner.

 Show investors

Select the applicable reporting level

 Entity

 Investment manager

 Group
Aligned with 

Other selected. Please describe:

The Climate Registry's General Verification Protocol (also known as California Climate Action Registry (CCAR))

 Stand-alone sustainability report(s)

[ventas-2016-gresb-final\\_submission.pdf](#)

Indicate where in the evidence the relevant information can be found

Entire document; our GRESB submission is also available on our website here (see the 'click here' link at the bottom of the page): <http://www.ventasreit.com/corporate-responsibility/sustainability>
 Show investors

[ventas-2016-cdp-final\\_submission.pdf](#)

Indicate where in the evidence the relevant information can be found

Entire document; our CDP submission is also available on our website here (see the 'click here' link at the bottom of the page): <http://www.ventasreit.com/corporate-responsibility/sustainability>
 Show investors

Select the applicable reporting level

 Entity

 Investment manager

 Group
Aligned with 

Other selected. Please describe:

The Climate Registry's General Verification Protocol (also known as California Climate Action Registry (CCAR))

 Integrated Report

 Dedicated section on corporate website

Provide hyperlink



<http://www.ventasreit.com/corporate-responsibility/sustainability>

Indicate where the relevant information can be found

Entire page

Select the applicable reporting level

Entity

Investment manager

Group

Section in entity reporting to investors

[VTR Supp\\_2016Q1.pdf](#)

Indicate where in the evidence the relevant information can be found

Sustainability page; pdf page 22/document page 21

Show investors

[VTR Supp\\_2016Q2.pdf](#)

Indicate where in the evidence the relevant information can be found

Sustainability page; pdf page 22/document page 21

Show investors

[VTR Supp\\_2016Q3.pdf](#)

Indicate where in the evidence the relevant information can be found

Sustainability page; pdf page 24/document page 23

Show investors

[VTR Supp\\_2016Q4.pdf](#)

Indicate where in the evidence the relevant information can be found

Sustainability page; pdf page 26/document page 25

Show investors

Aligned with  Other

Other selected. Please describe:

The Climate Registry's General Verification Protocol (also known as California Climate Action Registry [CCAR])

Other

Ventas Investor presentation

[VTR Investor Presentation\\_RBC NDR\\_June 2017\\_vF.pdf](#)

Indicate where in the evidence the relevant information can be found

Sustainability page; pdf page 14/document page 13

Show investors

Select the applicable reporting level

Entity

Investment manager

Group

Aligned with

Other selected. Please describe:

No

**7.2**

Does the organization have an independent third party review of its sustainability disclosure?

Yes

Select all applicable options (multiple answers possible, selections must match answers in Q7.1)

Section in Annual Report

Externally checked by

Externally verified by

Capturis

using

Externally assured by

Stand-alone sustainability report

Externally checked by

Externally verified by

Capturis

using

Externally assured by

Integrated Report

Section in entity reporting to investors

Externally checked by

Externally verified by

Capturis

using

Externally assured by

Other

Externally checked by

Externally verified by

Capturis

using

Externally assured by

No

Not applicable

POLICY AND DISCLOSURE

ESG Policies

8

Does the organization have a policy/policies in place, applicable to the entity level, that address(es) environmental issues?

Yes

Select all environmental issues included (multiple answers possible)

- Biodiversity and habitat
- Building safety
- Climate/climate change adaptation
- Energy consumption/management
- Environmental attributes of building materials
- GHG emissions/management
- Resilience
- Waste management
- Water consumption/management
- Other

[Lillibridge Sustainability Policy.pdf](#)

Indicate where in the evidence the relevant information can be found

All

Show investors

[Green Team Newsletters 2016.pdf](#)

Indicate where in the evidence the relevant information can be found

All

Show investors

No

9

Does the organization have a policy/policies in place, applicable to the entity level, that address(es) governance issues?

Yes

Select all governance issues included (multiple answers possible)

- Bribery and corruption
- Child labor
- Diversity and equal opportunity

Executive compensation

Forced or compulsory labor

Labor-management relationships

Shareholder rights

Worker rights

Other

[Global Anti-Corruption Policy.pdf](#)

Indicate where in the evidence the relevant information can be found

All (bribery and corruption)

Show investors

[Global Code of Ethics and Business Conduct.pdf](#)

Indicate where in the evidence the relevant information can be found

Diversity and equal opportunity: See 13-14 (pdf) / 10-11 (document)  
 Bribery and corruption: See Conflicts of interest - 10-13 (pdf) / 7-10 (document) and Antitrust/anti-competitive practices - 15 (pdf) / 12 (document)  
 Worker rights: page 7 (pdf) / 4 (document) see section Non-Retaliation Policy; 14-15 (pdf) / 11-12 (document); see sections Anti-Harassment and Workplace Safety and Health

Show investors

[VTR 2017 proxy.pdf](#)

Indicate where in the evidence the relevant information can be found

Executive compensation: See 34-75 (pdf) / 25-66 (document)

Show investors

[Ventas Employee Handbook 2017.pdf](#)

Indicate where in the evidence the relevant information can be found

Labor-management relationships: see Employment classifications - 6-7 (pdf) / 2-3 (document); see 16 (pdf) / 12 (document), left column, third paragraph; See Performance Management, Performance Improvement, and Open Door Policy - 11 (pdf) / 7 (document)  
 Worker rights: 6-11 (pdf) / 2-7 (document); relevant sections include Americans with Disabilities Act, Harassment, Drug-Free Workplace, Professional Conduct and Performance; 16-18 (pdf) / 12-14 (document); Relevant sections include: Housekeeping, Nursing Mothers, Nonstandard Office Furniture, Safety and Security

Show investors

[Certificate of Incorporation, Fifth Amended and Restated By-Laws.pdf](#)

Indicate where in the evidence the relevant information can be found

All (shareholder rights)

Show investors

No

10

Does the organization have a stakeholder engagement policy in place that applies to the entity?

Yes

Select all stakeholders included (multiple answers possible)

Asset/Property Managers (external)

Consumers

Community

Employees

Government/local authorities

Investment partners

Investors/shareholders

Supply chain

Tenants/occupiers

Other

[vtr-2016-proxy-final.pdf](#)

Indicate where in the evidence the relevant information can be found

Entire document (Investors/shareholders, Community, Consumers)

Show investors

[global\\_code\\_of\\_ethics\\_and\\_business\\_conduct-effective\\_032216.pdf](#)

Indicate where in the evidence the relevant information can be found

Entire document (Employees, Government/local authorities, Investment Partners, Supply Chain)

Show investors

[Green Team Newsletters 2016.pdf](#)

Indicate where in the evidence the relevant information can be found

Entire document (External Asset/Property Managers, Employees, Tenants/occupiers)

Show investors

[2017 Ventas Communications Framework.docx](#)

Indicate where in the evidence the relevant information can be found

All (addresses all external stakeholders listed above)

Show investors

No

11

Does the organization have an employee policy in place that applies to the employees responsible for this entity?

Yes

Select all issues included (multiple answers possible)

Cyber security

Diversity and equal opportunity

Health, safety and well-being

Performance and career development

Remuneration

Other

[Ventas Employee Handbook 2017.pdf](#)

Indicate where in the evidence the relevant information can be found

Cyber security: See Electronic Systems, 13-16 (pdf) /9-12 (document)  
Diversity and equal opportunity: See Employment Practices, 5-6 (pdf) /1-2 (document)  
Health, safety and well-being: 6-11 (pdf) /2-7 (document); relevant sections include Americans with Disabilities Act, Harassment, Drug-Free Workplace, Professional Conduct and Performance; 16-18 (pdf) / 12-14 (document); Relevant sections include: Housekeeping, Nursing Mothers, Nonstandard Office Furniture, Safety and Security  
Performance and career development: See Professional Conduct and Performance, 10-11 (pdf) /6-7 (document); See Professional Development and Tuition Reimbursement, 33-34 (pdf) /29-30 (document)  
Remuneration: See Compensation and Benefits, 31-35 (pdf) /27-31 (document)

Show investors

No

RISKS AND OPPORTUNITIES

Governance

12

Does the organization have systems and procedures in place to facilitate effective implementation of the governance policy/policies in Q9?

Yes

Select all applicable options (multiple answers possible)

- Investment due diligence process
- Training related to governance risks for employees (multiple answers possible)
  - Regular follow-ups
  - When an employee joins the organization
- Whistle-blower mechanism
- Other

[global\\_code\\_of\\_ethics\\_and\\_business\\_conduct-effective\\_032216.pdf](#)

Indicate where in the evidence the relevant information can be found

Throughout

Show investors

Document name  
Investment Execution Checklist and Due Diligence Request List

Document date  
25/07/2016

Document name  
New Hire Onboarding Training and Checklist

Document date  
01/01/2016

No

Not applicable

13

Did the entity perform entity-level governance risk assessments within the last three years?

Yes

Select all issues included (multiple answers possible)

- Bribery and corruption
- Child labor
- Diversity and equal opportunity
- Executive compensation
- Forced or compulsory labor
- Labor-management relationships
- Shareholder rights



Worker rights

Other

[global\\_code\\_of\\_ethics\\_and\\_business\\_conduct-effective\\_032216.pdf](#)

Indicate where in the evidence the relevant information can be found

Throughout

Show investors

[vtr-2016-proxy-final.pdf](#)

Indicate where in the evidence the relevant information can be found

Throughout

Show investors

[Ventas 2016-10K-2017-04-04.PDF](#)

Indicate where in the evidence the relevant information can be found

See Item 1A. Risk Factors, 30-45 [pdf] / 24-39 [document]

Show investors

Document name

Enterprise Risk Management - Heat Map By Risk Category

Document date

31/12/2016

No

14

Is the organization involved in any legal cases regarding corrupt practices?

Yes

No

RISKS AND OPPORTUNITIES

Environmental & Social

15.1

Does the entity perform environmental and/or social risk assessments as a standard part of its due diligence process for new acquisitions?

Yes

Select all issues included (multiple answers possible)

Building safety and materials

Climate change adaptation

Contamination

Energy efficiency

Energy supply

Flooding

GHG emissions

Health, safety and well-being

Indoor environmental quality

Natural hazards

Regulatory

Resilience

Socio-economic

Transportation

Water efficiency

Waste management

Water supply

Other

[VTR - Environmental Considerations Acquisitions 2015.pdf](#)

Indicate where in the evidence the relevant information can be found

Page 1

Show investors

No

Not applicable

15.2

Has the entity performed environmental and/or social risk assessments of its standing investments during the last three years?

Yes

Select all issues included (multiple answers possible)

Building safety and materials

Climate change adaptation

Contamination

Energy efficiency

Energy supply

Flooding

GHG emissions

Health, safety and well-being

Indoor environmental quality

Natural hazards

Regulatory

Resilience

Socio-economic

Transportation

Water efficiency

Waste management

Water supply

Other

Describe how the outcomes of the sustainability risk assessments are used in order to mitigate the selected risks (maximum 250 words)

Ventas annually identifies and assesses various risk exposure items related to sustainability and climate change with the assistance of our third-party energy partners and engineers by evaluating property and portfolio consumption and spending to identify performance outliers. This assessment includes i) type of potential impact (increased operational cost, increased capital expenditure expenses, reduction in demand for product or services) ii) time-frame, iii) magnitude and estimated financial implications, iv) management method and v) cost of management.

To mitigate these risks, we work with our consultants to gain efficiencies in usage and purchasing, create better budgets for utility spending and consumption and identify investment opportunities in sustainable projects.

On an asset level, Ventas commissions property condition reports and Phase I environmental surveys for all properties prior to acquisition and on a recurring cycle as part of asset and risk management processes. This ensures that known condition deficiencies and updates to flood, seismic and other surveys are identified and addressed in a timely manner. When these reports identify risks, we proactively implement solutions to mitigate risks, such as adding seismic gas shutoff valves in high-risk areas or evaluating moving critical building infrastructure (switchgear, generators) to higher elevations. In addition, property condition inspections are performed by a leading property loss control engineering insurer. Recommendations for property improvements are prioritized by the insurer and presented to and reviewed by the Ventas asset management team.

No

Not applicable

16

Has the entity performed technical building assessments during the last four years to identify efficiency opportunities within the portfolio?

Yes

Select applicable options (multiple answers possible)

Energy Efficiency

In-house assessment

External assessment

Percentage of portfolio covered

Name of the organization

Partner Engineering and Science, Inc.

[Lillibridge Portfolio Energy Efficiency Program Scorecard and Benchmarking Scope.pdf](#)

Indicate where in the evidence the relevant information can be found

All (external assessment)

Show investors

Water Efficiency

In-house assessment

Percentage of portfolio covered

External assessment

Percentage of portfolio covered  
  
 Name of the organization  
 Hydropoint

[Lillibridge Green Team Newsletter - Apr 2015.pdf](#)

Indicate where in the evidence the relevant information can be found

Show investors

[HydroAnalysis Sunrise Canyon Crest.pptx](#)

Indicate where in the evidence the relevant information can be found

Show investors

Waste Management

In-house assessment

External assessment

Percentage of portfolio covered

Name of the organization  
 Refuse Specialists

Document name

Document date

Health & Well-being

In-house assessment

Percentage of portfolio covered

External assessment

Document name

Document date

No

Not applicable

Has the entity implemented measures during the last four years to improve the energy efficiency of the portfolio?

Yes

Describe the measures using the table below.

Category	Measure	% portfolio covered during the last 4 years	% whole portfolio covered	Estimated savings (MWh) (optional)	Target ROI (%) (optional)	Describe implemented measure (measure, payback period, property type, scope, link to Q1 objectives and Q28 targets) (maximum 150 words)	Innovation Case Study
Building automation system upgrades/replacements	Building Automation Sys	0%, <25%	0%, <25%	3776.081	18.21	Building automation systems (BAS) have been implemented at several of Ventas's medical	<a href="#">Add</a>
Building energy management systems upgrades/replacements	Building energy manage	0%, <25%	0%, <25%	1905.497	23.97	Building energy management systems (BMS) have been implemented at several of Ventas'	<a href="#">Add</a>
Installation of high-efficiency equipment and appliances	Energy efficient applianc	≥25%, <50%	≥25%, <50%	27873.7	10.48	Ventas is committed to the use of high efficiency equipment and appliances, such as ENER	<a href="#">Add</a>
Installation of on-site renewable energy	Solar Panels	0%, <25%	0%, <25%	231.42	2.49	Ventas has solar installations at three senior housing communities that have been implem	<a href="#">Add</a>
Other:	Lighting Upgrades/Repl	0%, <25%	0%, <25%	40305.62	29.32	Ventas is installing energy efficient lighting in its medical office and senior housing operati	<a href="#">Add</a>
Systems commissioning or retro-commissioning	Retro-commissioning	0%, <25%	0%, <25%	1623.43	30.8	Each year Ventas, through our Lillibridge subsidiary, conducts retrocommissioning studies	<a href="#">Add</a>
Wall/roof insulation	Wall and roof insulation	0%, <25%	0%, <25%	17913.68	14.74	Over the past four years, Ventas has installed new roofs and/or wall insulation at over 6% c	<a href="#">Add</a>
Window replacements	Window Replacements	0%, <25%	0%, <25%	2454.75	8.65	Window replacements have been implemented at 15 of Ventas's senior housing and medic	<a href="#">Add</a>

No

Not applicable

Has the entity implemented measures during the last four years to improve the water efficiency of the portfolio?

Yes

Category	Measure	% portfolio covered during the last 4 years	% whole portfolio covered	Estimated savings (m <sup>3</sup> ) (optional)	Target ROI (%) (optional)	Describe implemented measure (measure, payback period, property type, scope, link to Q1 objectives and Q28 targets) (maximum 150 words)	Innovation Case Study
Drip/smart irrigation	Drip/smart irrigation	0%, <25%	0%, <25%	71392.99	24.93	Water efficient irrigation systems were implemented at over 3% of Ventas's senior housing	<a href="#">Add</a>
High-efficiency/dry fixtures	Installation of low flow s	0%, <25%	0%, <25%	666243.04	153.86	High-efficiency water fixtures, such as water aerators, low-flow toilets and low-flow show	<a href="#">Add</a>
Drought tolerant/native landscaping	Drought Tolerant/low wa	0%, <25%	0%, <25%	6655.46	30	Drought-tolerant and native landscaping has been implemented at 15 Ventas properties (n	<a href="#">Add</a>

No

Not applicable

19

Has the entity implemented measures during the last four years to improve the waste management of the portfolio?

Yes

Category	Measure	% portfolio covered during the last 4 years	% whole portfolio covered	Estimated savings (tonnes) (optional)	Target ROI (%) (optional)	Describe implemented measure (measure, payback period, property type, scope, link to Q1 objectives and Q28 targets) (maximum 150 words)	Innovation Case Study
Recycling program	Recycling Program	≥25%, <50%	≥25%, <50%			Recycling programs have been implemented in over 40% of Ventas's portfolio, including m	<a href="#">Add</a>
Ongoing waste performance monitoring	Ongoing Waste Perform	0%, <25%	0%, <25%			Ventas has contracted with a third party to oversee waste contracts and performance at 16	<a href="#">Add</a>

No

Not applicable

20

Has the entity received any environmental fines and/or penalties?

Yes

No

MONITORING AND EMS

### Environmental Management Systems

#### 21.1

Does the organization have an Environmental Management System (EMS) that applies to the entity level?

Yes

[Lillibridge Sustainability Policy.pdf](#)

Indicate where in the evidence the relevant information can be found

All

Show investors

[Green Team Newsletters 2016.pdf](#)

Indicate where in the evidence the relevant information can be found

All

Show investors

[GOBY Document.pdf](#)

Indicate where in the evidence the relevant information can be found

All

Show investors

No

#### 21.2

Is the Environmental Management System (EMS) in Q21.1 aligned with a standard or certified by an independent third party?

Yes

Aligned with

Externally certified by

Goby, Inc.

using

ISO 14001 Environmental management

[GOBY Document.pdf](#)

Indicate where in the evidence the relevant information can be found

see table of contents

Show investors

No

Not applicable



MONITORING AND EMS

Data Management Systems

22

Does the organization have a data management system in place that applies to the entity level?

Yes

Select one of the following

Developed internally

Bespoke (custom) internal system developed by a third party

External system

Name of the system

Various: Goby platform, FM Global platform, Point Click Care

Name of the organization

FM Global

PointClickCare

Goby, Inc.

Select the performance indicators included (multiple answers possible)

Energy consumption

Percentage of portfolio covered

64.4

GHG emissions/management

Percentage of portfolio covered

64.4

Health and well-being

Percentage of portfolio covered

72

Indoor environmental quality

Percentage of portfolio covered

50

Resilience

Percentage of portfolio covered

75

Waste streams/management

Percentage of portfolio covered

43

Water

Percentage of portfolio covered

60.3

Other

[PointClickCare\\_Corporate\\_Brochure.pdf](#)

Indicate where in the evidence the relevant information can be found

All (applies to Health and well-being)

Show investors

[FM Global\\_example\\_communication\\_resilience.pdf](#)

Indicate where in the evidence the relevant information can be found

All (applies to Resilience)

Show investors

[GOBY Document.pdf](#)

Indicate where in the evidence the relevant information can be found

All (applies to Energy Consumption, GHG emissions, Indoor environmental quality, waste streams, and water)

Show investors

No

**MONITORING AND EMS**

**Monitoring Consumption**

23

Does the entity monitor the energy consumption of the portfolio?

Yes

Percentage of whole portfolio covered by floor area

64.4

Type of monitoring (multiple answers possible)

Automatic meter readings

Based on invoices

Percentage of the whole portfolio covered by floor area

64.4

Manual-visual readings

Provided by the tenant

Other

No

Not applicable

24

Does the entity monitor the water consumption of the portfolio?

Yes

Percentage of whole portfolio covered by floor area

Type of monitoring (multiple answers possible)

Automatic meter readings

Based on invoices

Percentage of the whole portfolio covered by floor area

Manual-visual readings

Provided by the tenant

Other

No

Not applicable

**NEW**

Does the entity monitor the waste production of the portfolio? (optional)

Yes

Percentage of whole portfolio covered by floor area

Type of monitoring (multiple answers possible)

Internal tracking

Provided by haulers

Provided by the tenant

Percentage of the whole portfolio covered by floor area

Other

Explain (a) the calculation methodology for percentage of whole portfolio covered, and (b) limitations and assumptions made in the calculation (maximum 250 words)

a) Percentage of the portfolio covered by floor area is calculated by summing the floor area for each property where waste data is tracked, and dividing by the total portfolio floor area.  
 b) There are no limitations or assumptions made in this calculation.

No

Not applicable

PERFORMANCE INDICATORS

Senior Homes › Energy Consumption

Q25.0

Does the entity collect energy consumption data for Senior Homes?

Yes

Please provide the TOTAL floor area of your portfolio for this property type, regardless of energy supply and energy data availability and complete Q25.1 - Q25.3 for this property type.

Managed Assets	Floor area (ft <sup>2</sup> )
Common Areas	<input type="text"/>
Tenant Space, Energy Purchased by Landlord	<input type="text"/>
Tenant Space, Energy Purchased by Tenant	<input type="text"/>
Whole Building	<input type="text"/>
Shared Services	<input type="text"/>
Indirectly Managed Assets	Floor area (ft <sup>2</sup> )
Whole Building	54055374

No

Q25.1

Energy consumption for Senior Homes

Report absolute values and like-for-like consumption for 2015 and 2016. All assets in the whole portfolio for Senior Homes should be included.

To make sure you insert data in the correct section of the table, check the definition of "Managed Assets" and "Indirectly Managed Assets".

Only use Whole Building if no breakdown of data is possible between Base Building and Tenant Space. Additionally, if consumption cannot be separated between Common Areas and Shared Services/ Central Plant, provide both in Shared Services/Central Plant.

Managed Assets	Base Building	Absolute Consumption					Like-for-like Consumption			
		2015	2016			2015	2016	Like-for-like Change		
		Consumption (MWh)	Consumption (MWh)	Data coverage (ft <sup>2</sup> )	Maximum coverage (ft <sup>2</sup> )	Floor area type	Consumption (MWh)	Consumption (MWh)	%	
1	Common areas	Fuels	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	

Q25.1 (continued)

Managed Assets Base Building		Absolute Consumption					Like-for-like Consumption		
		2015	2016			2015	2016	Like-for-like Change	
		Consumption (MWh)	Consumption (MWh)	Data coverage (ft <sup>2</sup> )	Maximum coverage (ft <sup>2</sup> )	Floor area type	Consumption (MWh)	Consumption (MWh)	%
2	District Heating & Cooling	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
3	Electricity	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
4	Shared services / central plant	Fuels	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
5		District Heating & Cooling	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
6		Electricity	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>
7	Outdoor/Exterior areas / Parking	Fuels	<input type="text"/>	N/A	N/A	N/A	<input type="text"/>	<input type="text"/>	
8		Electricity	<input type="text"/>	N/A	N/A	N/A	<input type="text"/>	<input type="text"/>	
9	Total energy consumption of Base Building		0	0	N/A	N/A	N/A	0	0

Managed Assets Tenant space		Absolute Consumption					Like-for-like Consumption			
		2015	2016			2015	2016	Like-for-like Change		
		Consumption (MWh)	Consumption (MWh)	Data coverage (ft <sup>2</sup> / units)	Maximum coverage (ft <sup>2</sup> / units)	Floor area type	Consumption (MWh)	Consumption (MWh)	%	
10	Purchased by landlord	Fuels	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
11		District Heating & Cooling	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
12		Electricity	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
13	Purchased by tenant	Fuels	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
14		District Heating & Cooling	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
15		Electricity	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
16	Total energy consumption of Tenant Areas		0	0	N/A	N/A	N/A	0	0	

Managed Assets Whole building		Absolute Consumption					Like-for-like Consumption			
		2015	2016			2015	2016	Like-for-like Change		
		Consumption (MWh)	Consumption (MWh)	Data coverage (ft <sup>2</sup> )	Maximum coverage (ft <sup>2</sup> )	Floor area type	Consumption (MWh)	Consumption (MWh)	%	
17	Combined consumption common areas + tenant space	Fuels	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	

Q25.1 (continued)

Managed Assets Whole building		Absolute Consumption					Like-for-like Consumption		
		2015	2016			2015	2016	Like-for-like Change	
		Consumption (MWh)	Consumption (MWh)	Data coverage (ft <sup>2</sup> )	Maximum coverage (ft <sup>2</sup> )	Floor area type	Consumption (MWh)	Consumption (MWh)	%
18	District Heating & Cooling					-			
19	Electricity					-			
20	Total energy consumption of Whole Building		0	0	N/A	N/A	N/A	0	0
21	Total energy consumption of Managed Assets		0	0	N/A	N/A	N/A	0	0

Indirectly Managed Assets Whole building		Absolute Consumption					Like-for-like Consumption			
		2015	2016			2015	2016	Like-for-like Change		
		Consumption (MWh)	Consumption (MWh)	Data coverage (ft <sup>2</sup> )	Maximum coverage (ft <sup>2</sup> )	Floor area type	Consumption (MWh)	Consumption (MWh)	%	
22	Fuels	376748.120	338201.504	36211904	44819302	Floor area	315357.258	287046.721	-8.98%	
23	Tenant space	District Heating & Cooling								
24	Electricity	469292.83	456690.8	37075807	54055374	Floor area	395930.048	386346.069	-2.42%	
25	Outdoor/Exterior areas / Parking	Fuels			N/A	N/A	N/A			
26	Electricity			N/A	N/A	N/A				
27	Total energy consumption of Indirectly Managed Assets		846,041	794,892	N/A	N/A	N/A	711,287	673,393	-5.33%
28	Total energy consumption of Whole Portfolio		846,041	794,892	N/A	N/A	N/A	711,287	673,393	-5.33%

Explain (a) assumptions made in reporting, (b) limitations in the ability to collect data and (c) exclusions from like-for-like portfolio (maximum 250 words)

- a) Ventas assumes that data provided by utility providers on invoices is the most accurate representation of a property's consumption.
- b) Properties in regions without utility aggregation services were more limited in their ability to collect data, especially properties with more tenant-controlled data.
- c) Properties bought or sold within the reporting period (2015-2016) and properties with new construction or major renovation activities were excluded from like-for-like reporting. Within the set of properties that met those conditions, meters with data coverage that was inconsistent throughout the reporting period were also excluded.

Does the entity report the average annual vacancy rate in the like-for-like portfolio for this property type?

Yes

2015

10.11

2016

10.93

No

The information above is correct and complete for all Senior Homes assets

### Q25.2

Energy use intensity rates Senior Homes

Does the entity report energy use intensities in the whole portfolio for this property type?

Yes

If optional base-line year data is provided, specify year of the data

	Optional base-line year (include year)	2014	2015	2016
Energy use intensity	<input type="text"/>	<input type="text"/>	0.6422	0.5609
% of portfolio covered	<input type="text"/>	<input type="text"/>	60.4	68.6

Select the elements for which intensities are normalized in your calculations

Air conditioning and/or natural ventilation

Building age

Degree days

Footfall

Occupancy rate

Operational hours

Weather conditions

Other

None of the above

Explain (a) the energy use intensity calculation method, (b) assumptions made in the calculation, and (c) how intensities are used by the entity in its operations (maximum 250 words)

a) Energy use intensities are calculated by dividing the total energy consumed by a property per year by the following factors: total degree days at that property for the year, occupied sq feet and property age. Intensities are reported in MWh per degree day per year of operation per gross square foot.  
b) Ventas assumes that weather and age of a building are significant factors that impact the energy consumption of a building. Ventas assumes that a property will use more absolute energy in a year with more degree days and more absolute energy in an older property.  
c) By normalizing by these three factors, Ventas identifies trends in property performance that are independent of these factors and can identify assets that would benefit from additional energy efficiency retrofits or other capital and operational improvements.

No

**Q25.3**

Renewable energy generated Senior Homes

Does the entity collect renewable energy consumption and generation data in the whole portfolio for this property type?

Yes

Report absolute renewable energy generation and consumption. All assets in the portfolio for this property type should be included.

	Absolute measurement	
	2015	2016
On-site renewable energy (MWh generated and consumed on-site)	201.56	203.23
Off-site renewable energy (MWh generated off-site or purchased from third party)		
On-site renewable energy (MWh generated on-site and exported)		
<b>Total renewable energy</b>	<b>202</b>	<b>203</b>
Percentage renewable energy	0.024	0.026

No



PERFORMANCE INDICATORS

Senior Homes › GHG Emissions

Q26.0

Does the entity collect GHG emissions data for Senior Homes?

Yes

No

Q26.1

GHG emissions for Senior Homes

Report absolute values and like-for-like consumption for 2015 and 2016. All assets in the whole portfolio for Senior Homes should be included.

		Absolute GHG Emissions				Like-for-like Consumption			
		2015	2016			2015	2016	Like-for-like Change	
		Emissions (tonnes)	Emissions (tonnes)	Data coverage (ft <sup>2</sup> )	Maximum potential coverage (ft <sup>2</sup> )	Floor area type	Emissions (tonnes)	Emissions (tonnes)	%
1	Scope 1	68279.65	61393.82	36211904	44819302	Floor area	57153.49	52022.65	-8.98%
2	Scope 2	195794.63	191617.76	37075807	54055374	Floor area	165100.41	162080.44	-1.83%
3	Scope 3 (optional)								
4	GHG Offsets purchased			N/A	N/A	N/A			
5	Net GHG Emissions after offsets			N/A	N/A	N/A			

Explain (a) the GHG emissions calculation standard/methodology/protocol, (b) used emission factors, (c) level of uncertainty in data accuracy, (d) exclusions from like-for-like portfolio, and (e) Scope 3 emissions, (f) source and characteristics of GHG emissions offsets (maximum 250 words)

- a) Ventas uses a calculator based on the EPA E-grid and IEA Emission factors. For Scope 1 Ventas normalizes all usage from to kbtu to get a emission breakdown of CO2 CH4 and N2O with the IPCC 5th Assessment global warming potentials to normalize to Metric tons of CO2 equivalent emissions and sum up the 3 values to get a total CO2e emission. For Scope 2, we use the regional emission factors based on zip code to use the correct emission factors for each region of the United States in the EPA 2014 E-Grid emission factors and normalized the same way as Scope 1. International properties use the IEA 2016 emission factors.
- b) To calculate regionally based United States GHG emissions, Ventas uses the EPA 2014 E-Grid. Global warming potential factors are sourced from the most current metrics of the IPCC 5th Assessment.
- c) While regional factors are used to calculate GHG emissions as accurately as possible, some inaccuracy exists within the market-based grid factors. The EPA's most recent factors were also calculated in 2014 so some of the factors may have changed.
- d) Properties bought or sold within the reporting period (2015-2016) and properties with new construction or major renovation activities were excluded from like-for-like reporting. Within the set of properties that met those conditions, meters with data coverage that was inconsistent throughout the reporting period were also excluded.
- e) We do not track Scope 3 emissions
- f) We do not purchase offsets for this property type.

The information above is correct and complete for all Senior Homes assets

Q26.2

GHG emissions intensity rates Senior Homes

Does the entity report GHG emissions intensities?

Yes

If optional base-line year data is provided, specify year of the data

	Optional base-line year (include year)	2014	2015	2016
GHG emissions intensity	<input type="text"/>	<input type="text"/>	<input type="text" value="0.1367"/>	<input type="text" value="0.1237"/>
% of portfolio covered	<input type="text"/>	<input type="text"/>	<input type="text" value="59.3"/>	<input type="text" value="63.8"/>

Select the elements for which intensities are normalized in your calculations

Air conditioning and/or natural ventilation

Building age

Degree days

Footfall

Occupancy rate

Operational hours

Weather conditions

Other

None of the above

Explain (a) the GHG emissions intensity calculation method, (b) assumptions made in the calculation, and (c) how intensities are used by the entity in its operations (maximum 250 words)

a) GHG emission intensities are calculated by dividing the total energy consumed by a property per year by the following factors: total degree days at that property for the year, occupied sq ft and property age. Intensities are reported in MWh per degree day per year of operation per gross square foot.  
 b) Ventas assumes that weather and age of a building are significant factors that impact the GHG emissions of a building. Ventas assumes that a property will use more absolute GHG in a year with more degree days and more absolute GHG in an older property.  
 c) By normalizing by these three factors, Ventas identifies trends in property performance that are independent of these factors and can identify assets that would benefit from additional energy efficiency retrofits or other capital and operational improvements.

No

PERFORMANCE INDICATORS

Senior Homes › Water Use

Q27.0

Does the entity collect water use data for Senior Homes?

Yes

No

Q27.1

Water use for Senior Homes

Report absolute values and like-for-like consumption for 2015 and 2016. All assets in the whole portfolio for Senior Homes should be included.

To make sure you insert data in the correct section of the table, check the definition of "Managed Assets" and "Indirectly Managed Assets".

Only use Whole Building if no breakdown of data is possible between Base Building and Tenant Space. Additionally, if consumption cannot be separated between Common Areas and Shared Services/ Central Plant, provide both in Shared Services/Central Plant.

Managed Assets		Absolute Consumption					Like-for-like Consumption			
		2015	2016			2015	2016	Like-for-like Change		
		Consumption (m <sup>3</sup> )	Consumption (m <sup>3</sup> )	Data coverage (ft <sup>2</sup> )	Maximum coverage (ft <sup>2</sup> )	Floor area type	Consumption (m <sup>3</sup> )	Consumption (m <sup>3</sup> )	%	
1	Base building	Common areas	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
2		Shared Services / Central Plant	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
3		Outdoor / Exterior areas / Parking	<input type="text"/>	<input type="text"/>	N/A	N/A	N/A	<input type="text"/>	<input type="text"/>	
4	Total water usage Base Building		0	0	N/A	N/A	N/A	0	0	
5	Tenant space	Purchased by landlord	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
6		Purchased by tenant	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
7	Total water usage Tenant Areas		0	0	N/A	N/A	N/A	0	0	
8	Whole building	Combined consumption common areas + tenant space	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
9	Total water usage Whole Building		0	0	N/A	N/A	N/A	0	0	
10	Total water usage Managed Assets		0	0	N/A	N/A	N/A	0	0	

Indirectly Managed Assets		Absolute Consumption					Like-for-like Consumption		
		2015	2016			2015	2016	Like-for-like Change	
		Consumption (m³)	Consumption (m³)	Data coverage (ft²)	Maximum coverage (ft²)	Floor area type	Consumption (m³)	Consumption (m³)	%
11	Tenant space	5233474.88	5218124.11	30285944	54055374	Floor area	3260052.02	3181820.74	-2.40%
12	Outdoor / Exterior areas / Parking			N/A	N/A	N/A			
13	<b>Total water usage Indirectly Managed Assets</b>	5,233,475	5,218,124	N/A	N/A	N/A	3,260,052	3,181,821	-2.40%
14	<b>Total water usage Whole Portfolio</b>	5,233,475	5,218,124	N/A	N/A	N/A	3,260,052	3,181,821	-2.40%

Explain (a) assumptions made in reporting, (b) limitations in the ability to collect data and (c) exclusions from like-for-like portfolio (maximum 250 words)

- a) Ventas assumes that data provided by utility providers on invoices is the most accurate representation of a property's consumption.  
b) Properties in regions without utility aggregation services were more limited in their ability to collect data, especially properties with more tenant-controlled data.  
c) Properties bought or sold within the reporting period (2015-2016) and properties with new construction or major renovation activities were excluded from like-for-like reporting. Within the set of properties that met those conditions, meters with data coverage that was inconsistent throughout the reporting period were also excluded.

Does the entity report the average annual vacancy rate in the like-for-like portfolio for this property type?

Yes

2015

10.42

2016

11.04

No

The information above is correct and complete for all Senior Homes assets

#### Q27.2

Water use intensity rates Senior Homes

Does the entity report water use intensities?

Yes

If optional base-line year data is provided, specify year of the data (choose one)

	Optional base-line year (include year)	2014	2015	2016
Water use intensity			5.13	4.82
% of portfolio covered			53.2	56

Select the elements for which intensities are normalized in your calculations

Air conditioning and/or natural ventilation

Building age

Degree days

Footfall

Occupancy rate

Operational hours

Weather conditions

Other

None of the above

Explain (a) the water use intensity calculation method, (b) assumptions made in the calculation, and (c) how intensities are used by the entity in its operations (maximum 250 words)

a) Water use intensities are calculated by dividing the total water consumed by a property per year by the following factors: total degree days at that property for the year property age and occupied sq ft. Intensities are reported in MWh per degree day per year of operation per gross square foot.  
b) Ventas assumes that weather and age of a building are significant factors that impact the water consumption of a building. Ventas assumes that a property will use more absolute water in a year with more degree days and more absolute water in an older property.  
c) By normalizing by these three factors, Ventas identifies trends in property performance that are independent of these factors and can identify assets that would benefit from additional water efficiency retrofits or other capital and operational improvements.

No

**Q27.3**

Water reuse and recycling Senior Homes

Does the entity collect reuse, recycling and consumption data?

Yes

No

PERFORMANCE INDICATORS

Senior Homes › Waste Management

Q28.0

Does the entity collect waste data for Senior Homes?

Yes

No

Q28.1

Waste management for Senior Homes

Report absolute values for 2015 and 2016. All assets in the whole portfolio for Senior Homes should be included.

			Absolute Measurement	
			2015	2016
1	Managed Assets	Total weight of hazardous waste in metric tonnes	<input type="text"/>	<input type="text"/>
2		Total weight of non-hazardous waste in metric tonnes	<input type="text"/>	<input type="text"/>
3		% managed portfolio covered	<input type="text"/>	<input type="text"/>
4	Indirectly Managed Assets	Total weight of hazardous waste in metric tonnes	<input type="text"/>	<input type="text"/>
5		Total weight of non-hazardous waste in metric tonnes	22980.07	32215.7649
6		% indirectly managed portfolio covered	35.16	50.27
Proportion of waste by disposal route (% of total by weight)			2015	2016
7	Whole Portfolio [RSE]	Landfill	86	86
8		Incineration	2	1.5
9		Diverted (total)	12	12.5
10		Diverted - waste to energy (optional)	<input type="text"/>	<input type="text"/>
11		Diverted - recycling (optional)	11.78	12.17
12		Diverted - other (optional)	0.22	0.33
13		Other	<input type="text"/>	<input type="text"/>

Explain (a) assumptions made in reporting, and (b) limitations in the ability to collect data, and (c) exclusions from portfolio (maximum 250 words)

a) Ventas assumes that data provided by waste vendors, either in volume or weight, is an accurate representation of the waste produced by a property. Ventas also assumes that waste measurements taken from the portfolio are representative of the portfolio's waste production, independent of any external sources of waste (pedestrians, neighbors, etc) who may co-opt the portfolio's waste collection services.  
 b) Properties whose tenants have their own waste contracts had a limited ability to collect waste data from their tenants, due to the diversity of waste vendors and tenant confidentiality.  
 c) No properties were excluded from reporting, though some properties were unable to provide waste data due to difficulty contacting tenants or waste vendors.

The information above is correct and complete for all Senior Homes assets

PERFORMANCE INDICATORS

Healthcare > Energy Consumption

Q25.0

Does the entity collect energy consumption data for Healthcare?

Yes

Please provide the TOTAL floor area of your portfolio for this property type, regardless of energy supply and energy data availability and complete Q25.1 - Q25.3 for this property type.

Managed Assets	Floor area (ft <sup>2</sup> )
Common Areas	<input type="text"/>
Tenant Space, Energy Purchased by Landlord	<input type="text"/>
Tenant Space, Energy Purchased by Tenant	<input type="text"/>
Whole Building	<input type="text"/>
Shared Services	<input type="text"/>
Indirectly Managed Assets	Floor area (ft <sup>2</sup> )
Whole Building	11004235

No

Q25.1

Energy consumption for Healthcare

Report absolute values and like-for-like consumption for 2015 and 2016. All assets in the whole portfolio for Healthcare should be included.

To make sure you insert data in the correct section of the table, check the definition of "Managed Assets" and "Indirectly Managed Assets".

Only use Whole Building if no breakdown of data is possible between Base Building and Tenant Space. Additionally, if consumption cannot be separated between Common Areas and Shared Services/ Central Plant, provide both in Shared Services/Central Plant.

Managed Assets Base Building		Absolute Consumption					Like-for-like Consumption			
		2015	2016			2015	2016	Like-for-like Change		
		Consumption (MWh)	Consumption (MWh)	Data coverage (ft <sup>2</sup> )	Maximum coverage (ft <sup>2</sup> )	Floor area type	Consumption (MWh)	Consumption (MWh)	%	
1	Common areas	Fuels	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
2		District Heating & Cooling	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
3		Electricity	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
4	Shared services / central plant	Fuels	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
5		District Heating & Cooling	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
6		Electricity	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
7	Outdoor/Exterior areas / Parking	Fuels	<input type="text"/>	<input type="text"/>	N/A	N/A	N/A	<input type="text"/>	<input type="text"/>	
8		Electricity	<input type="text"/>	<input type="text"/>	N/A	N/A	N/A	<input type="text"/>	<input type="text"/>	
9	Total energy consumption of Base Building		0	0	N/A	N/A	N/A	0	0	

Managed Assets Tenant space		Absolute Consumption					Like-for-like Consumption			
		2015	2016			2015	2016	Like-for-like Change		
		Consumption (MWh)	Consumption (MWh)	Data coverage (ft <sup>2</sup> / units)	Maximum coverage (ft <sup>2</sup> / units)	Floor area type	Consumption (MWh)	Consumption (MWh)	%	
10	Purchased by landlord	Fuels	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
11		District Heating & Cooling	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
12		Electricity	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
13	Purchased by tenant	Fuels	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
14		District Heating & Cooling	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
15		Electricity	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
16	Total energy consumption of Tenant Areas		0	0	N/A	N/A	N/A	0	0	

Managed Assets Whole building		Absolute Consumption					Like-for-like Consumption				
		2015	2016			2015	2016	Like-for-like Change			
		Consumption (MWh)	Consumption (MWh)	Data coverage (ft <sup>2</sup> )	Maximum coverage (ft <sup>2</sup> )	Floor area type	Consumption (MWh)	Consumption (MWh)	%		
17	Combined consumption common areas + tenant space		Fuels	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	



Q25.1 (continued)

Managed Assets Whole building		Absolute Consumption					Like-for-like Consumption		
		2015	2016			2015	2016	Like-for-like Change	
		Consumption (MWh)	Consumption (MWh)	Data coverage (ft <sup>2</sup> )	Maximum coverage (ft <sup>2</sup> )	Floor area type	Consumption (MWh)	Consumption (MWh)	%
18	District Heating & Cooling					-			
19	Electricity					-			
20	Total energy consumption of Whole Building		0	0	N/A	N/A	N/A	0	0
21	Total energy consumption of Managed Assets		0	0	N/A	N/A	N/A	0	0

Indirectly Managed Assets Whole building		Absolute Consumption					Like-for-like Consumption			
		2015	2016			2015	2016	Like-for-like Change		
		Consumption (MWh)	Consumption (MWh)	Data coverage (ft <sup>2</sup> )	Maximum coverage (ft <sup>2</sup> )	Floor area type	Consumption (MWh)	Consumption (MWh)	%	
22	Fuels	56241.0043	59503.3228	2910829	6514094	Floor area	56241.0043	58381.2711	3.81%	
23	District Heating & Cooling					-				
24	Electricity	89361.5448	91658.4711	2990634	11004235	Floor area	89361.5448	90343.5913	1.10%	
25	Fuels			N/A	N/A	N/A				
26	Electricity			N/A	N/A	N/A				
27	Total energy consumption of Indirectly Managed Assets		145,603	151,162	N/A	N/A	N/A	145,603	148,725	2.14%
28	Total energy consumption of Whole Portfolio		145,603	151,162	N/A	N/A	N/A	145,603	148,725	2.14%

Explain (a) assumptions made in reporting, (b) limitations in the ability to collect data and (c) exclusions from like-for-like portfolio (maximum 250 words)

- a) Ventas assumes that data provided by utility providers on invoices is the most accurate representation of a property's consumption.  
b) Properties in regions without utility aggregation services were more limited in their ability to collect data, especially properties with more tenant-controlled data.  
c) Properties bought or sold within the reporting period (2015-2016) and properties with new construction or major renovation activities were excluded from like-for-like reporting. Within the set of properties that met those conditions, meters with data coverage that was inconsistent throughout the reporting period were also excluded.

Does the entity report the average annual vacancy rate in the like-for-like portfolio for this property type?

Yes

2015

24.99

2016

25.29

No

The information above is correct and complete for all Healthcare assets

### Q25.2

Energy use intensity rates Healthcare

Does the entity report energy use intensities in the whole portfolio for this property type?

Yes

If optional base-line year data is provided, specify year of the data

	Optional base-line year (include year)	2014	2015	2016
Energy use intensity	<input type="text"/>	<input type="text"/>	0.5766	0.6505
% of portfolio covered	<input type="text"/>	<input type="text"/>	24.6	27.2

Select the elements for which intensities are normalized in your calculations

Air conditioning and/or natural ventilation

Building age

Degree days

Footfall

Occupancy rate

Operational hours

Weather conditions

Other

None of the above

Explain (a) the energy use intensity calculation method, (b) assumptions made in the calculation, and (c) how intensities are used by the entity in its operations (maximum 250 words)

a) Energy use intensities are calculated by dividing the total energy consumed by a property per year by the following factors: total degree days at that property for the year, occupied sq ft and property age. Intensities are reported in MWh per degree day per year of operation per gross square foot.  
b) Ventas assumes that weather and age of a building are significant factors that impact the energy consumption of a building. Ventas assumes that a property will use more absolute energy in a year with more degree days and more absolute energy in an older property.  
c) By normalizing by these three factors, Ventas identifies trends in property performance that are independent of these factors and can identify assets that would benefit from additional energy efficiency retrofits or other capital and operational improvements.

No

Q25.3

Renewable energy generated Healthcare

Does the entity collect renewable energy consumption and generation data in the whole portfolio for this property type?

Yes

No

## PERFORMANCE INDICATORS

### Healthcare › GHG Emissions

Q26.0

Does the entity collect GHG emissions data for Healthcare?

Yes

No

Q26.1

GHG emissions for Healthcare

Report absolute values and like-for-like consumption for 2015 and 2016. All assets in the whole portfolio for Healthcare should be included.

		Absolute GHG Emissions				Like-for-like Consumption			
		2015	2016			2015	2016	Like-for-like Change	
		Emissions (tonnes)	Emissions (tonnes)	Data coverage (ft <sup>2</sup> )	Maximum potential coverage (ft <sup>2</sup> )	Floor area type	Emissions (tonnes)	Emissions (tonnes)	%
1	Scope 1	10198.62	10796.05	2910829	6514094	Floor area	10198.62	10580.69	3.75%
2	Scope 2	44133.2235	45332.2564	2990634	11004235	Floor area	44133.2235	44669.4600	1.22%
3	Scope 3 (optional)								
4	GHG Offsets purchased			N/A	N/A	N/A			
5	Net GHG Emissions after offsets			N/A	N/A	N/A			

Explain (a) the GHG emissions calculation standard/methodology/protocol, (b) used emission factors, (c) level of uncertainty in data accuracy, (d) exclusions from like-for-like portfolio, and (e) Scope 3 emissions, (f) source and characteristics of GHG emissions offsets (maximum 250 words)

- a) Ventas uses a calculator based on the EPA E-grid and IEA Emission factors. For Scope 1 Ventas normalizes all usage from to kbtu to get a emission breakdown of CO2 CH4 and N2O with the IPCC 5th Assessment global warming potentials to normalize to Metric tons of CO2 equivalent emissions and sum up the 3 values to get a total CO2e emission. For Scope 2, we use the regional emission factors based on zip code to use the correct emission factors for each region of the United States in the EPA 2014 E-Grid emission factors and normalized the same way as Scope 1. International properties use the IEA 2016 emission factors.
- b) To calculate regionally based United States GHG emissions, Ventas uses the EPA 2014 E-Grid. Global warming potential factors are sourced from the most current metrics of the IPCC 5th Assessment.
- c) While regional factors are used to calculate GHG emissions as accurately as possible, some inaccuracy exists within the market-based grid factors. The EPA's most recent factors were also calculated in 2014 so some of the factors may have changed.
- d) Properties bought or sold within the reporting period (2015-2016) and properties with new construction or major renovation activities were excluded from like-for-like reporting. Within the set of properties that met those conditions, meters with data coverage that was inconsistent throughout the reporting period were also excluded.
- e) We do not track Scope 3 emissions
- f) We do not purchase offsets for this property type.

The information above is correct and complete for all Healthcare assets

## Q26.2

GHG emissions intensity rates Healthcare

Does the entity report GHG emissions intensities?

Yes

If optional base-line year data is provided, specify year of the data

	Optional base-line year (include year)	2014	2015	2016
GHG emissions intensity	<input type="text"/>	<input type="text"/>	0.157	0.189
% of portfolio covered	<input type="text"/>	<input type="text"/>	24.6	28

Select the elements for which intensities are normalized in your calculations

Air conditioning and/or natural ventilation

Building age

Degree days

Footfall

Occupancy rate

Operational hours

Weather conditions

Other

None of the above

Explain (a) the GHG emissions intensity calculation method, (b) assumptions made in the calculation, and (c) how intensities are used by the entity in its operations (maximum 250 words)

a) GHG emission intensities are calculated by dividing the total energy consumed by a property per year by the following factors: total degree days at that property for the year, occupied sq ft and property age. Intensities are reported in MWh per degree day per year of operation per gross square foot.  
b) Ventas assumes that weather and age of a building are significant factors that impact the GHG emissions of a building. Ventas assumes that a property will use more absolute GHG in a year with more degree days and more absolute GHG in an older property.  
c) By normalizing by these three factors, Ventas identifies trends in property performance that are independent of these factors and can identify assets that would benefit from additional energy efficiency retrofits or other capital and operational improvements.

No

## PERFORMANCE INDICATORS

### Healthcare > Water Use

Q27.0

Does the entity collect water use data for Healthcare?

Yes

No

Q27.1

Water use for Healthcare

Report absolute values and like-for-like consumption for 2015 and 2016. All assets in the whole portfolio for Healthcare should be included.

To make sure you insert data in the correct section of the table, check the definition of "Managed Assets" and "Indirectly Managed Assets".

Only use Whole Building if no breakdown of data is possible between Base Building and Tenant Space. Additionally, if consumption cannot be separated between Common Areas and Shared Services/ Central Plant, provide both in Shared Services/Central Plant.

Managed Assets		Absolute Consumption					Like-for-like Consumption		
		2015	2016			2015	2016	Like-for-like Change	
		Consumption (m <sup>3</sup> )	Consumption (m <sup>3</sup> )	Data coverage (ft <sup>2</sup> )	Maximum coverage (ft <sup>2</sup> )	Floor area type	Consumption (m <sup>3</sup> )	Consumption (m <sup>3</sup> )	%
1	Base building	Common areas							
2		Shared Services / Central Plant							
3		Outdoor / Exterior areas / Parking		N/A	N/A	N/A			
4	Total water usage Base Building		0	0	N/A	N/A	N/A	0	0
5	Tenant space	Purchased by landlord							
6		Purchased by tenant							
7	Total water usage Tenant Areas		0	0	N/A	N/A	N/A	0	0
8	Whole building	Combined consumption common areas + tenant space							
9	Total water usage Whole Building		0	0	N/A	N/A	N/A	0	0
10	Total water usage Managed Assets		0	0	N/A	N/A	N/A	0	0

Indirectly Managed Assets		Absolute Consumption					Like-for-like Consumption			
		2015	2016			2015	2016	Like-for-like Change		
		Consumption (m <sup>3</sup> )	Consumption (m <sup>3</sup> )	Data coverage (ft <sup>2</sup> )	Maximum coverage (ft <sup>2</sup> )	Floor area type	Consumption (m <sup>3</sup> )	Consumption (m <sup>3</sup> )	%	
11	Whole building	Tenant space	620465.102	599090.543	2448570	11004235	Floor area	620465.102	589264.465	-5.03%
12		Outdoor / Exterior areas / Parking			N/A	N/A	N/A			
13	Total water usage Indirectly Managed Assets		620,465	599,091	N/A	N/A	N/A	620,465	589,264	-5.03%
14	Total water usage Whole Portfolio		620,465	599,091	N/A	N/A	N/A	620,465	589,264	-5.03%

Explain (a) assumptions made in reporting, (b) limitations in the ability to collect data and (c) exclusions from like-for-like portfolio (maximum 250 words)

- a) Ventas assumes that data provided by utility providers on invoices is the most accurate representation of a property's consumption.  
b) Properties in regions without utility aggregation services were more limited in their ability to collect data, especially properties with more tenant-controlled data.  
c) Properties bought or sold within the reporting period (2015-2016) and properties with new construction or major renovation activities were excluded from like-for-like reporting. Within the set of properties that met those conditions, meters with data coverage that was inconsistent throughout the reporting period were also excluded.

Does the entity report the average annual vacancy rate in the like-for-like portfolio for this property type?

Yes

2015

	24.99
2016	
	25.29

No

The information above is correct and complete for all Healthcare assets

**Q27.2**

Water use intensity rates Healthcare

Does the entity report water use intensities?

Yes

If optional base-line year data is provided, specify year of the data

	Optional base-line year (include year)	2014	2015	2016
Water use intensity	<input type="text"/>	<input type="text"/>	<input type="text" value="1.839"/>	<input type="text" value="2.026"/>
% of portfolio covered	<input type="text"/>	<input type="text"/>	<input type="text" value="22"/>	<input type="text" value="22"/>

Select the elements for which intensities are normalized in your calculations

- Air conditioning and/or natural ventilation
- Building age
- Degree days
- Footfall
- Occupancy rate
- Operational hours
- Weather conditions
- Other
- None of the above

Explain (a) the water use intensity calculation method, (b) assumptions made in the calculation, and (c) how intensities are used by the entity in its operations (maximum 250 words)

a) Water use intensities are calculated by dividing the total water consumed by a property per year by the following factors: total degree days at that property for the year, occupied sq ft and property age. Intensities are reported in MWh per degree day per year of operation per gross square foot.  
b) Ventas assumes that weather and age of a building are significant factors that impact the water consumption of a building. Ventas assumes that a property will use more absolute water in a year with more degree days and more absolute water in an older property.  
c) By normalizing by these three factors, Ventas identifies trends in property performance that are independent of these factors and can identify assets that would benefit from additional water efficiency retrofits or other capital and operational improvements.

No

#### Q27.3

Water reuse and recycling Healthcare

Does the entity collect reuse, recycling and consumption data?

Yes

No

#### PERFORMANCE INDICATORS

### Healthcare › Waste Management

#### Q28.0

Does the entity collect waste data for Healthcare?

Yes

No

#### PERFORMANCE INDICATORS

### Medical Office › Energy Consumption

#### Q25.0

Does the entity collect energy consumption data for Medical Office?

Yes

Please provide the TOTAL floor area of your portfolio for this property type, regardless of energy supply and energy data availability and complete Q25.1 - Q25.3 for this property type.

Managed Assets

Floor area (ft<sup>2</sup>)

Common Areas



Tenant Space, Energy Purchased by Landlord	
Tenant Space, Energy Purchased by Tenant	1528604
Whole Building	12489963.73
Shared Services	1528604
<b>Indirectly Managed Assets</b>	<b>Floor area (ft<sup>2</sup>)</b>
Whole Building	7480262

No

**Q25.1**

Energy consumption for Medical Office

Report absolute values and like-for-like consumption for 2015 and 2016. All assets in the whole portfolio for Medical Office should be included.

To make sure you insert data in the correct section of the table, check the definition of "Managed Assets" and "Indirectly Managed Assets".

Only use Whole Building if no breakdown of data is possible between Base Building and Tenant Space. Additionally, if consumption cannot be separated between Common Areas and Shared Services/ Central Plant, provide both in Shared Services/Central Plant.

Managed Assets Base Building		Absolute Consumption					Like-for-like Consumption			
		2015	2016			2015	2016	Like-for-like Change		
		Consumption (MWh)	Consumption (MWh)	Data coverage (ft <sup>2</sup> )	Maximum coverage (ft <sup>2</sup> )	Floor area type	Consumption (MWh)	Consumption (MWh)	%	
1	Common areas	Fuels	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
2		District Heating & Cooling	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
3		Electricity	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
4	Shared services / central plant	Fuels	1454.83	4.2788	297927	297927	Floor area	<input type="text"/>	<input type="text"/>	
5		District Heating & Cooling	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
6		Electricity	28591.46	18525.68	1528604	1528604	Floor area	10745.18	9065.95	-15.63%
7	Outdoor/Exterior areas / Parking	Fuels	<input type="text"/>	<input type="text"/>	N/A	N/A	N/A	<input type="text"/>	<input type="text"/>	
8		Electricity	<input type="text"/>	<input type="text"/>	N/A	N/A	N/A	<input type="text"/>	<input type="text"/>	
9	Total energy consumption of Base Building		30,046	18,530	N/A	N/A	N/A	10,745	9,066	-15.63%

Managed Assets Tenant space		Absolute Consumption					Like-for-like Consumption			
		2015	2016			2015	2016	Like-for-like Change		
		Consumption (MWh)	Consumption (MWh)	Data coverage (ft <sup>2</sup> / units)	Maximum coverage (ft <sup>2</sup> / units)	Floor area type	Consumption (MWh)	Consumption (MWh)	%	
10	Purchased by landlord	Fuels					.			
11		District Heating & Cooling					.			
12		Electricity					.			
13	Purchased by tenant	Fuels	0	0	0	297927	Floor area	0	0	
14		District Heating & Cooling					.			
15		Electricity	0	0	0	1528604	Floor area	0	0	
16	Total energy consumption of Tenant Areas		0	0	N/A	N/A	N/A	0	0	

Managed Assets Whole building		Absolute Consumption					Like-for-like Consumption			
		2015	2016			2015	2016	Like-for-like Change		
		Consumption (MWh)	Consumption (MWh)	Data coverage (ft <sup>2</sup> )	Maximum coverage (ft <sup>2</sup> )	Floor area type	Consumption (MWh)	Consumption (MWh)	%	
17	Combined consumption common areas + tenant space	Fuels	53776.25	69452.58	5622082	5622082	Floor area	42757.46	39405.62	-7.84%
18		District Heating & Cooling					.			
19		Electricity	185724.25	233463.34	9445551.73	12489963.7	Floor area	143438.05	133269.22	-7.09%
20	Total energy consumption of Whole Building		239,501	302,916	N/A	N/A	N/A	186,196	172,675	-7.26%
21	Total energy consumption of Managed Assets		269,547	321,446	N/A	N/A	N/A	196,941	181,741	-7.72%

Indirectly Managed Assets Whole building		Absolute Consumption					Like-for-like Consumption			
		2015	2016			2015	2016	Like-for-like Change		
		Consumption (MWh)	Consumption (MWh)	Data coverage (ft <sup>2</sup> )	Maximum coverage (ft <sup>2</sup> )	Floor area type	Consumption (MWh)	Consumption (MWh)	%	
22	Tenant space	Fuels	20259.12	34479.14	2890178	5200675	Floor area	11988.32	11607.67	-3.18%
23		District Heating & Cooling					.			
24		Electricity	59521.63	58279.61	3532545	7655564	Floor area	41133.59	36197.54	-12.00%
25	Outdoor/Exterior areas / Parking	Fuels			N/A	N/A	N/A			
26		Electricity			N/A	N/A	N/A			

Q25.1 (continued)

Indirectly Managed Assets Whole building	Absolute Consumption					Like-for-like Consumption		
	2015	2016			2015	2016	Like-for-like Change	
	Consumption (MWh)	Consumption (MWh)	Data coverage (ft <sup>2</sup> )	Maximum coverage (ft <sup>2</sup> )	Floor area type	Consumption (MWh)	Consumption (MWh)	%
27 Total energy consumption of Indirectly Managed Assets	79,781	92,759	N/A	N/A	N/A	53,122	47,805	-10.01%
28 Total energy consumption of Whole Portfolio	349,328	414,205	N/A	N/A	N/A	250,063	229,546	-8.20%

Explain (a) assumptions made in reporting, (b) limitations in the ability to collect data and (c) exclusions from like-for-like portfolio (maximum 250 words)

- a) Ventas assumes that data provided by utility providers on invoices is the most accurate representation of a property's consumption.  
 b) Properties in regions without utility aggregation services were more limited in their ability to collect data, especially properties with more tenant-controlled data.  
 c) Properties bought or sold within the reporting period (2015-2016) and properties with new construction or major renovation activities were excluded from like-for-like reporting. Within the set of properties that met those conditions, meters with data coverage that was inconsistent throughout the reporting period were also excluded.

Does the entity report the average annual vacancy rate in the like-for-like portfolio for this property type?

Yes

2015

9.02

2016

9.8

No

The information above is correct and complete for all Medical Office assets

Q25.2

Energy use intensity rates Medical Office

Does the entity report energy use intensities in the whole portfolio for this property type?

Yes

If optional base-line year data is provided, specify year of the data

	Optional base-line year (include year)	2014	2015	2016
Energy use intensity	<input type="text"/>	<input type="text"/>	0.576	0.6505
% of portfolio covered	<input type="text"/>	<input type="text"/>	61.2	63.5

Select the elements for which intensities are normalized in your calculations

Air conditioning and/or natural ventilation

Building age

Degree days

Footfall

Occupancy rate

Operational hours

Weather conditions

Other

None of the above

Explain (a) the energy use intensity calculation method, (b) assumptions made in the calculation, and (c) how intensities are used by the entity in its operations (maximum 250 words)

a) Energy use intensities are calculated by dividing the total energy consumed by a property per year by the following factors: total degree days at that property for the year, occupied sq ft and property age. Intensities are reported in MWh per degree day per year of operation per gross square foot.  
b) Ventas assumes that weather and age of a building are significant factors that impact the energy consumption of a building. Ventas assumes that a property will use more absolute energy in a year with more degree days and more absolute energy in an older property.  
c) By normalizing by these three factors, Ventas identifies trends in property performance that are independent of these factors and can identify assets that would benefit from additional energy efficiency retrofits or other capital and operational improvements.

No

Q25.3

Renewable energy generated Medical Office

Does the entity collect renewable energy consumption and generation data in the whole portfolio for this property type?

Yes

No

PERFORMANCE INDICATORS

Medical Office > GHG Emissions

Q26.0

Does the entity collect GHG emissions data for Medical Office?

Yes

No

Q26.1

GHG emissions for Medical Office

Report absolute values and like-for-like consumption for 2015 and 2016. All assets in the whole portfolio for Medical Office should be included.

		Absolute GHG Emissions				Like-for-like Consumption			
		2015	2016			2015	2016	Like-for-like Change	
		Emissions (tonnes)	Emissions (tonnes)	Data coverage (ft <sup>2</sup> )	Maximum potential coverage (ft <sup>2</sup> )	Floor area type	Emissions (tonnes)	Emissions (tonnes)	%
1	Scope 1	13681.41	18836.76	8512260	12806093	Floor area	9939.44	9246.13	-6.98%
2	Scope 2	144891.49	166281.344	15018375.7	21498829.7	Floor area	106946.67	98208.22	-8.17%
3	Scope 3 (optional)								
4	GHG Offsets purchased			N/A	N/A	N/A			
5	Net GHG Emissions after offsets			N/A	N/A	N/A			

Explain (a) the GHG emissions calculation standard/methodology/protocol, (b) used emission factors, (c) level of uncertainty in data accuracy, (d) exclusions from like-for-like portfolio, and (e) Scope 3 emissions, (f) source and characteristics of GHG emissions offsets (maximum 250 words)

- a) Ventas uses a calculator based on the EPA E-grid and IEA Emission factors. For Scope 1 Ventas normalizes all usage from to kbtu to get a emission breakdown of CO2 CH4 and N2O with the IPCC 5th Assessment global warming potentials to normalize to Metric tons of CO2 equivalent emissions and sum up the 3 values to get a total CO2e emission. For Scope 2, we use the regional emission factors based on zip code to use the correct emission factors for each region of the United States in the EPA 2014 E-Grid emission factors and normalized the same way as Scope 1. International properties use the IEA 2016 emission factors.
- b) To calculate regionally based United States GHG emissions, Ventas uses the EPA 2014 E-Grid. Global warming potential factors are sourced from the most current metrics of the IPCC 5th Assessment.
- c) While regional factors are used to calculate GHG emissions as accurately as possible, some inaccuracy exists within the market-based grid factors. The EPA's most recent factors were also calculated in 2014 so some of the factors may have changed.
- d) Properties bought or sold within the reporting period (2015-2016) and properties with new construction or major renovation activities were excluded from like-for-like reporting. Within the set of properties that met those conditions, meters with data coverage that was inconsistent throughout the reporting period were also excluded.
- e) We do not track Scope 3 emissions
- f) We do not purchase offsets for this property type.

The information above is correct and complete for all Medical Office assets

Q26.2

GHG emissions intensity rates Medical Office

Does the entity report GHG emissions intensities?

Yes

If optional base-line year data is provided, specify year of the data

	Optional base-line year (include year)	2014	2015	2016
GHG emissions intensity	<input type="text"/>	<input type="text"/>	<input type="text" value="0.157"/>	<input type="text" value="0.189"/>
% of portfolio covered	<input type="text"/>	<input type="text"/>	<input type="text" value="61.2"/>	<input type="text" value="63.5"/>

Select the elements for which intensities are normalized in your calculations

Air conditioning and/or natural ventilation

Building age

Degree days

Footfall

Occupancy rate

Operational hours

Weather conditions

Other

None of the above

Explain (a) the GHG emissions intensity calculation method, (b) assumptions made in the calculation, and (c) how intensities are used by the entity in its operations (maximum 250 words)

a) GHG emission intensities are calculated by dividing the total energy consumed by a property per year by the following factors: total degree days at that property for the year, occupied sq ft and property age. Intensities are reported in MWh per degree day per year of operation per gross square foot.  
 b) Ventas assumes that weather and age of a building are significant factors that impact the GHG emissions of a building. Ventas assumes that a property will use more absolute GHG in a year with more degree days and more absolute GHG in an older property.  
 c) By normalizing by these three factors, Ventas identifies trends in property performance that are independent of these factors and can identify assets that would benefit from additional energy efficiency retrofits or other capital and operational improvements.

No

PERFORMANCE INDICATORS

Medical Office › Water Use

Q27.0

Does the entity collect water use data for Medical Office?

Yes

No

Q27.1

Water use for Medical Office

Report absolute values and like-for-like consumption for 2015 and 2016. All assets in the whole portfolio for Medical Office should be included.

To make sure you insert data in the correct section of the table, check the definition of "Managed Assets" and "Indirectly Managed Assets".

Only use Whole Building if no breakdown of data is possible between Base Building and Tenant Space. Additionally, if consumption cannot be separated between Common Areas and Shared Services/ Central Plant, provide both in Shared Services/Central Plant.

Managed Assets		Absolute Consumption				Like-for-like Consumption			
		2015	2016		Floor area type	2015	2016	Like-for-like Change	
		Consumption (m <sup>3</sup> )	Consumption (m <sup>3</sup> )	Data coverage (ft <sup>2</sup> )		Maximum coverage (ft <sup>2</sup> )	Consumption (m <sup>3</sup> )	Consumption (m <sup>3</sup> )	%
1	Common areas	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
2	Shared Services / Central Plant	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
3	Outdoor / Exterior areas / Parking	<input type="text"/>	<input type="text"/>	N/A	N/A	N/A	<input type="text"/>	<input type="text"/>	
4	Total water usage Base Building	0	0	N/A	N/A	N/A	0	0	
5	Purchased by landlord	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
6	Purchased by tenant	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
7	Total water usage Tenant Areas	0	0	N/A	N/A	N/A	0	0	
8	Whole building Combined consumption common areas + tenant space	776904.76	940403.81	10973747.7	14018567.7	Floor area	641852.26	662935.21	3.28%
9	Total water usage Whole Building	776,905	940,404	N/A	N/A	N/A	641,852	662,935	3.28%
10	Total water usage Managed Assets	776,905	940,404	N/A	N/A	N/A	641,852	662,935	3.28%

Indirectly Managed Assets		Absolute Consumption					Like-for-like Consumption		
		2015	2016			2015	2016	Like-for-like Change	
		Consumption (m <sup>3</sup> )	Consumption (m <sup>3</sup> )	Data coverage (ft <sup>2</sup> )	Maximum coverage (ft <sup>2</sup> )	Floor area type	Consumption (m <sup>3</sup> )	Consumption (m <sup>3</sup> )	%
11	Whole building	296591.49	358930.14	3592621	7480262	Floor area	179821.85	207788.07	15.55%
12	Tenant space			N/A	N/A	N/A			
13	Outdoor / Exterior areas / Parking			N/A	N/A	N/A			
Total water usage Indirectly Managed Assets		296,591	358,930	N/A	N/A	N/A	179,822	207,788	15.55%
Total water usage Whole Portfolio		1,073,496	1,299,334	N/A	N/A	N/A	821,674	870,723	5.97%

Explain (a) assumptions made in reporting, (b) limitations in the ability to collect data and (c) exclusions from like-for-like portfolio (maximum 250 words)

- a) Ventas assumes that data provided by utility providers on invoices is the most accurate representation of a property's consumption.  
b) Properties in regions without utility aggregation services were more limited in their ability to collect data, especially properties with more tenant-controlled data.  
c) Properties bought or sold within the reporting period (2015-2016) and properties with new construction or major renovation activities were excluded from like-for-like reporting. Within the set of properties that met those conditions, meters with data coverage that was inconsistent throughout the reporting period were also excluded.

Does the entity report the average annual vacancy rate in the like-for-like portfolio for this property type?

Yes

2015

10.7

2016

11.16

No

The information above is correct and complete for all Medical Office assets

#### Q27.2

Water use intensity rates Medical Office

Does the entity report water use intensities?

Yes

If optional base-line year data is provided, specify year of the data (choose one)

	Optional base-line year (include year)	2014	2015	2016
Water use intensity			1.839	2.0264
% of portfolio covered			68	68



Select the elements for which intensities are normalized in your calculations

Air conditioning and/or natural ventilation

Building age

Degree days

Footfall

Occupancy rate

Operational hours

Weather conditions

Other

None of the above

Explain (a) the water use intensity calculation method, (b) assumptions made in the calculation, and (c) how intensities are used by the entity in its operations (maximum 250 words)

a) Water use intensities are calculated by dividing the total water consumed by a property per year by the following factors: total degree days at that property for the year, occupied sq ft and property age. Intensities are reported in MWh per degree day per year of operation per gross square foot.  
b) Ventas assumes that weather and age of a building are significant factors that impact the water consumption of a building. Ventas assumes that a property will use more absolute water in a year with more degree days and more absolute water in an older property.  
c) By normalizing by these three factors, Ventas identifies trends in property performance that are independent of these factors and can identify assets that would benefit from additional water efficiency retrofits or other capital and operational improvements.

No

**Q27.3**

Water reuse and recycling Medical Office

Does the entity collect reuse, recycling and consumption data?

Yes

No

PERFORMANCE INDICATORS

Medical Office > Waste Management

Q28.0

Does the entity collect waste data for Medical Office?

Yes

No

Q28.1

Waste management for Medical Office

Report absolute values for 2015 and 2016. All assets in the whole portfolio for Medical Office should be included.

		Absolute Measurement	
		2015	2016
1	Managed Assets	Total weight of hazardous waste in metric tonnes	<input type="text"/>
2		Total weight of non-hazardous waste in metric tonnes	<input type="text" value="229.44"/>
3		% managed portfolio covered	<input type="text" value="56.3"/>
4	Indirectly Managed Assets	Total weight of hazardous waste in metric tonnes	<input type="text"/>
5		Total weight of non-hazardous waste in metric tonnes	<input type="text" value="57.71"/>
6		% indirectly managed portfolio covered	<input type="text" value="4.86"/>
Proportion of waste by disposal route (% of total by weight)		2015	2016
7	Whole Portfolio (MED)	Landfill	<input type="text" value="77.54"/>
8		Incineration	<input type="text"/>
9		Diverted (total)	<input type="text" value="22.46"/>
10		Diverted - waste to energy (optional)	<input type="text"/>
11		Diverted - recycling (optional)	<input type="text"/>
12		Diverted - other (optional)	<input type="text"/>
13		Other	<input type="text"/>

Explain (a) assumptions made in reporting, and (b) limitations in the ability to collect data, and (c) exclusions from portfolio (maximum 250 words)

- a) Ventas assumes that data provided by waste vendors, either in volume or weight, is an accurate representation of the waste produced by a property. Ventas also assumes that waste measurements taken from the portfolio are representative of the portfolio's waste production, independent of any external sources of waste (pedestrians, neighbors, etc) who may co-opt the portfolio's waste collection services.
- b) Properties whose tenants have their own waste contracts had a limited ability to collect waste data from their tenants, due to the diversity of waste vendors and tenant confidentiality.
- c) No properties were excluded from reporting, though some properties were unable to provide waste data due to difficulty contacting tenants or waste vendors.

The information above is correct and complete for all Medical Office assets

**PERFORMANCE INDICATORS**

**Other > Energy Consumption**

**Q25.0**

Does the entity collect energy consumption data for Other?

Yes

Please provide the TOTAL floor area of your portfolio for this property type, regardless of energy supply and energy data availability and complete Q25.1 - Q25.3 for this property type.

Managed Assets	Floor area (ft <sup>2</sup> )
Common Areas	<input type="text"/>
Tenant Space, Energy Purchased by Landlord	<input type="text"/>
Tenant Space, Energy Purchased by Tenant	<input type="text"/>
Whole Building	<input type="text"/>
Shared Services	<input type="text"/>
Indirectly Managed Assets	Floor area (ft <sup>2</sup> )
Whole Building	4255109

No

**Q25.1**

Energy consumption for Other

Report absolute values and like-for-like consumption for 2015 and 2016. All assets in the whole portfolio for Other should be included.

To make sure you insert data in the correct section of the table, check the definition of "Managed Assets" and "Indirectly Managed Assets".

Only use Whole Building if no breakdown of data is possible between Base Building and Tenant Space. Additionally, if consumption cannot be separated between Common Areas and Shared Services/ Central Plant, provide both in Shared Services/Central Plant.

Managed Assets Base Building		Absolute Consumption					Like-for-like Consumption			
		2015	2016			2015	2016	Like-for-like Change		
		Consumption (MWh)	Consumption (MWh)	Data coverage (ft <sup>2</sup> )	Maximum coverage (ft <sup>2</sup> )	Floor area type	Consumption (MWh)	Consumption (MWh)	%	
1	Common areas	Fuels	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
2		District Heating & Cooling	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
3		Electricity	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
4	Shared services / central plant	Fuels	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
5		District Heating & Cooling	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
6		Electricity	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
7	Outdoor/Exterior areas / Parking	Fuels	<input type="text"/>	<input type="text"/>	N/A	N/A	N/A	<input type="text"/>	<input type="text"/>	
8		Electricity	<input type="text"/>	<input type="text"/>	N/A	N/A	N/A	<input type="text"/>	<input type="text"/>	
9	Total energy consumption of Base Building		0	0	N/A	N/A	N/A	0	0	

Managed Assets Tenant space		Absolute Consumption					Like-for-like Consumption			
		2015	2016			2015	2016	Like-for-like Change		
		Consumption (MWh)	Consumption (MWh)	Data coverage (ft <sup>2</sup> / units)	Maximum coverage (ft <sup>2</sup> / units)	Floor area type	Consumption (MWh)	Consumption (MWh)	%	
10	Purchased by landlord	Fuels	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
11		District Heating & Cooling	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
12		Electricity	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
13	Purchased by tenant	Fuels	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
14		District Heating & Cooling	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
15		Electricity	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
16	Total energy consumption of Tenant Areas		0	0	N/A	N/A	N/A	0	0	

Managed Assets Whole building		Absolute Consumption					Like-for-like Consumption				
		2015	2016			2015	2016	Like-for-like Change			
		Consumption (MWh)	Consumption (MWh)	Data coverage (ft <sup>2</sup> )	Maximum coverage (ft <sup>2</sup> )	Floor area type	Consumption (MWh)	Consumption (MWh)	%		
17	Combined consumption common areas + tenant space		Fuels	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	

Q25.1 (continued)

Managed Assets Whole building		Absolute Consumption					Like-for-like Consumption		
		2015	2016			2015	2016	Like-for-like Change	
		Consumption (MWh)	Consumption (MWh)	Data coverage (ft <sup>2</sup> )	Maximum coverage (ft <sup>2</sup> )	Floor area type	Consumption (MWh)	Consumption (MWh)	%
18	District Heating & Cooling					-			
19	Electricity					-			
20	Total energy consumption of Whole Building		0	0	N/A	N/A	N/A	0	0
21	Total energy consumption of Managed Assets		0	0	N/A	N/A	N/A	0	0

Indirectly Managed Assets Whole building		Absolute Consumption					Like-for-like Consumption		
		2015	2016			2015	2016	Like-for-like Change	
		Consumption (MWh)	Consumption (MWh)	Data coverage (ft <sup>2</sup> )	Maximum coverage (ft <sup>2</sup> )	Floor area type	Consumption (MWh)	Consumption (MWh)	%
22	Fuels	0	18336.38	2518735	3330239	Floor area	0	0	
23	District Heating & Cooling	0	31329.64	330126	330126	Floor area	0	0	
24	Electricity	0	56734.77	2856752	4255109	Floor area	0	0	
25	Fuels			N/A	N/A	N/A			
26	Electricity			N/A	N/A	N/A			
27	Total energy consumption of Indirectly Managed Assets		0	106,401	N/A	N/A	N/A	0	0
28	Total energy consumption of Whole Portfolio		0	106,401	N/A	N/A	N/A	0	0

Explain (a) assumptions made in reporting, (b) limitations in the ability to collect data and (c) exclusions from like-for-like portfolio (maximum 250 words)

- a) Ventas assumes that data provided by utility providers on invoices is the most accurate representation of a property's consumption.  
 b) Properties in regions without utility aggregation services were more limited in their ability to collect data, especially properties with more tenant-controlled data.  
 c) The Other: Laboratories asset type consists of the Wexford Life Science portfolio, which was acquired by Ventas in Q3 2016. We do not have utility data prior to 2016 and are therefore unable to report like-for-like consumption.

Does the entity report the average annual vacancy rate in the like-for-like portfolio for this property type?

Yes

No

The information above is correct and complete for all Other assets

Q25.2

Energy use intensity rates Other

Does the entity report energy use intensities in the whole portfolio for this property type?

Yes

If optional base-line year data is provided, specify year of the data

	Optional base-line year (include year)	2014	2015	2016
Energy use intensity	<input type="text"/>	<input type="text"/>	<input type="text" value="0"/>	<input type="text" value="3.29848613"/>
% of portfolio covered	<input type="text"/>	<input type="text"/>	<input type="text" value="0"/>	<input type="text" value="67"/>

Select the elements for which intensities are normalized in your calculations

Air conditioning and/or natural ventilation

Building age

Degree days

Footfall

Occupancy rate

Operational hours

Weather conditions

Other

None of the above

Explain (a) the energy use intensity calculation method, (b) assumptions made in the calculation, and (c) how intensities are used by the entity in its operations (maximum 250 words)

a) Energy use intensities are calculated by dividing the total energy consumed by a property per year by the following factors: total degree days at that property for the year, occupied sq ft and property age. Intensities are reported in MWh per degree day per year of operation per gross square foot.  
 b) Ventas assumes that weather and age of a building are significant factors that impact the energy consumption of a building. Ventas assumes that a property will use more absolute energy in a year with more degree days and more absolute energy in an older property.  
 c) By normalizing by these three factors, Ventas identifies trends in property performance that are independent of these factors and can identify assets that would benefit from additional energy efficiency retrofits or other capital and operational improvements.

No

Q25.3

Renewable energy generated Other

Does the entity collect renewable energy consumption and generation data in the whole portfolio for this property type?

Yes

Report absolute renewable energy generation and consumption. All assets in the portfolio for this property type should be included.

	Absolute measurement	
	2015	2016
On-site renewable energy (MWh generated and consumed on-site)	<input type="text"/>	<input type="text" value="26.79"/>
Off-site renewable energy (MWh generated off-site or purchased from third party)	<input type="text"/>	<input type="text"/>
On-site renewable energy (MWh generated on-site and exported)	<input type="text"/>	<input type="text"/>
<b>Total renewable energy</b>	<b>0</b>	<b>27</b>
Percentage renewable energy	<input type="text"/>	<input type="text" value="0.025"/>

No

PERFORMANCE INDICATORS

Other > GHG Emissions

Q26.0

Does the entity collect GHG emissions data for Other?

Yes

No

Q26.1

GHG emissions for Other

Report absolute values and like-for-like consumption for 2015 and 2016. All assets in the whole portfolio for Other should be included.

		Absolute GHG Emissions				Like-for-like Consumption			
		2015	2016			2015	2016	Like-for-like Change	
		Emissions (tonnes)	Emissions (tonnes)	Data coverage (ft <sup>2</sup> )	Maximum potential coverage (ft <sup>2</sup> )	Floor area type	Emissions (tonnes)	Emissions (tonnes)	Like-for-like Change %
1	Scope 1	<input type="text"/>	3328.04	2518735	3330239	<input type="text"/> Floor area	<input type="text"/>	<input type="text"/>	
2	Scope 2	<input type="text"/>	28018.44	2856752	4255109	<input type="text"/> Floor area	<input type="text"/>	<input type="text"/>	
3	Scope 3 (optional)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	.	<input type="text"/>	<input type="text"/>	
4	GHG Offsets purchased	<input type="text"/>	<input type="text"/>	N/A	N/A	N/A	<input type="text"/>	<input type="text"/>	
5	Net GHG Emissions after offsets	<input type="text"/>	<input type="text"/>	N/A	N/A	N/A	<input type="text"/>	<input type="text"/>	

Explain (a) the GHG emissions calculation standard/methodology/protocol, (b) used emission factors, (c) level of uncertainty in data accuracy, (d) exclusions from like-for-like portfolio, and (e) Scope 3 emissions, (f) source and characteristics of GHG emissions offsets (maximum 250 words)

- a) Ventas uses a calculator based on the EPA E-grid and IEA Emission factors. For Scope 1 Ventas normalizes all usage from to kbtu to get a emission breakdown of CO2 CH4 and N2O with the IPCC 5th Assessment global warming potentials to normalize to Metric tons of CO2 equivalent emissions and sum up the 3 values to get a total CO2e emission. For Scope 2, we use the regional emission factors based on zip code to use the correct emission factors for each region of the United States in the EPA 2014 E-Grid emission factors and normalized the same way as Scope 1.
- b) To calculate regionally based United States GHG emissions, Ventas uses the EPA 2014 E-Grid. Global warming potential factors are sourced from the most current metrics of the IPCC 5th Assessment.
- c) While regional factors are used to calculate GHG emissions as accurately as possible, some inaccuracy exists within the market-based grid factors. The EPA's most recent factors were also calculated in 2014 so some of the factors may have changed.
- d) The Other: Laboratories asset type consists of the Wexford Life Science portfolio, which was acquired by Ventas in Q3 2016. We do not have utility data prior to 2016 and are therefore unable to report like-for-like consumption.
- e) We do not track Scope 3 emissions
- f) We do not purchase offsets for this property type.

The information above is correct and complete for all Other assets

Q26.2

GHG emissions intensity rates Other

Does the entity report GHG emissions intensities?

Yes

If optional base-line year data is provided, specify year of the data  [choose one]

	Optional base-line year (include year)	2014	2015	2016
GHG emissions intensity	<input type="text"/>	<input type="text"/>	<input type="text"/> 0	<input type="text"/> 1.10325103
% of portfolio covered	<input type="text"/>	<input type="text"/>	<input type="text"/> 0	<input type="text"/> 67.1

Select the elements for which intensities are normalized in your calculations

Air conditioning and/or natural ventilation

Building age



Degree days

Footfall

Occupancy rate

Operational hours

Weather conditions

Other

None of the above

Explain (a) the GHG emissions intensity calculation method, (b) assumptions made in the calculation, and (c) how intensities are used by the entity in its operations (maximum 250 words)

a) GHG emission intensities are calculated by dividing the total energy consumed by a property per year by the following factors: total degree days at that property for the year, occupied sq ft and property age. Intensities are reported in MWh per degree day per year of operation per gross square foot.  
b) Ventas assumes that weather and age of a building are significant factors that impact the GHG emissions of a building. Ventas assumes that a property will use more absolute GHG in a year with more degree days and more absolute GHG in an older property.  
c) By normalizing by these three factors, Ventas identifies trends in property performance that are independent of these factors and can identify assets that would benefit from additional energy efficiency retrofits or other capital and operational improvements.

No

## PERFORMANCE INDICATORS

### Other > Water Use

Q27.0

Does the entity collect water use data for Other?

Yes

No

Q27.1

Water use for Other

Report absolute values and like-for-like consumption for 2015 and 2016. All assets in the whole portfolio for Other should be included.

To make sure you insert data in the correct section of the table, check the definition of "Managed Assets" and "Indirectly Managed Assets".

Only use Whole Building if no breakdown of data is possible between Base Building and Tenant Space. Additionally, if consumption cannot be separated between Common Areas and Shared Services/ Central Plant, provide both in Shared Services/Central Plant.

Managed Assets		Absolute Consumption					Like-for-like Consumption		
		2015	2016			2015	2016	Like-for-like Change	
		Consumption (m <sup>3</sup> )	Consumption (m <sup>3</sup> )	Data coverage (ft <sup>2</sup> )	Maximum coverage (ft <sup>2</sup> )	Floor area type	Consumption (m <sup>3</sup> )	Consumption (m <sup>3</sup> )	%
1	Base building	Common areas							
2		Shared Services / Central Plant							
3		Outdoor / Exterior areas / Parking		N/A	N/A	N/A			
4	Total water usage Base Building		0	0	N/A	N/A	N/A	0	0
5	Tenant space	Purchased by landlord							
6		Purchased by tenant							
7	Total water usage Tenant Areas		0	0	N/A	N/A	N/A	0	0
8	Whole building	Combined consumption common areas + tenant space							
9	Total water usage Whole Building		0	0	N/A	N/A	N/A	0	0
10	Total water usage Managed Assets		0	0	N/A	N/A	N/A	0	0

Indirectly Managed Assets		Absolute Consumption					Like-for-like Consumption		
		2015	2016			2015	2016	Like-for-like Change	
		Consumption (m <sup>3</sup> )	Consumption (m <sup>3</sup> )	Data coverage (ft <sup>2</sup> )	Maximum coverage (ft <sup>2</sup> )	Floor area type	Consumption (m <sup>3</sup> )	Consumption (m <sup>3</sup> )	%
11	Whole building	Tenant space	0	70077.86	3047533	4255109	Floor area	0	0
12		Outdoor / Exterior areas / Parking			N/A	N/A	N/A		
13	Total water usage Indirectly Managed Assets		0	70,078	N/A	N/A	N/A	0	0
14	Total water usage Whole Portfolio		0	70,078	N/A	N/A	N/A	0	0

Explain (a) assumptions made in reporting, (b) limitations in the ability to collect data and (c) exclusions from like-for-like portfolio (maximum 250 words)

- a) Ventas assumes that data provided by utility providers on invoices is the most accurate representation of a property's consumption.  
b) Properties in regions without utility aggregation services were more limited in their ability to collect data, especially properties with more tenant-controlled data.  
c) The Other: Laboratories asset type consists of the Wexford Life Science portfolio, which was acquired by Ventas in Q3 2016. We do not have utility data prior to 2016 and are therefore unable to report like-for-like consumption.

Does the entity report the average annual vacancy rate in the like-for-like portfolio for this property type?

Yes

No

The information above is correct and complete for all Other assets

Q27.2

Water use intensity rates Other

Does the entity report water use intensities?

Yes

If optional base-line year data is provided, specify year of the data

	Optional base-line year (include year)	2014	2015	2016
Water use intensity	<input type="text"/>	<input type="text"/>	<input type="text"/>	2.81658482
% of portfolio covered	<input type="text"/>	<input type="text"/>	<input type="text"/>	67.1

Select the elements for which intensities are normalized in your calculations

Air conditioning and/or natural ventilation

Building age

Degree days

Footfall

Occupancy rate

Operational hours

Weather conditions

Other

None of the above

Explain (a) the water use intensity calculation method, (b) assumptions made in the calculation, and (c) how intensities are used by the entity in its operations (maximum 250 words)

a) Water use intensities are calculated by dividing the total water consumed by a property per year by the following factors: total degree days at that property for the year, occupied sq ft and property age. Intensities are reported

in MWh per degree day per year of operation per gross square foot.

b) Ventas assumes that weather and age of a building are significant factors that impact the water consumption of a building. Ventas assumes that a property will use more absolute water in a year with more degree days and more absolute water in an older property.

c) By normalizing by these three factors, Ventas identifies trends in property performance that are independent of these factors and can identify assets that would benefit from additional water efficiency retrofits or other capital and operational improvements.

No

Q27.3

Water reuse and recycling Other

Does the entity collect reuse, recycling and consumption data?

Yes

No

PERFORMANCE INDICATORS

Other > Waste Management

Q28.0

Does the entity collect waste data for Other?

Yes

No

PERFORMANCE INDICATORS

Data Review

Q25.4

Review, verification and assurance of energy consumption data

Has the entity's energy consumption data reported above been reviewed by an independent third party?

Yes

Externally checked

Externally verified

Verified by

Goby, Inc.

Using scheme

Externally assured

[Goby Verification Doc - GRESB.pdf](#)

Indicate where in the evidence the relevant information can be found

Show investors

No

Not applicable

### Q26.3

Review, verification and assurance of GHG emissions data

Has the entity's GHG emissions data reported above been reviewed by an independent third party?

Yes

Externally checked

Externally verified

Verified by

Goby, Inc.

Using scheme

Externally assured

[Goby Verification Doc - GRESB.pdf](#)

Indicate where in the evidence the relevant information can be found

Show investors

No

Not applicable

**Q27.4**

Review, verification and assurance of water use data

Has the entity's water use data reported above been reviewed by an independent third party?

Yes

Externally checked

Externally verified

Verified by  
Goby, Inc.

Using scheme

Externally assured

[Goby Verification Doc - GRESB.pdf](#)

Indicate where in the evidence the relevant information can be found

Show investors

No

Not applicable

**Q28.2**

Review, verification and assurance of waste management data

Has the entity's waste management data reported above been reviewed by an independent third party?

Yes

Externally checked

Externally verified

Verified by  
Goby, Inc.

Using scheme

Externally assured

[Goby Verification Doc - GRESB.pdf](#)

Indicate where in the evidence the relevant information can be found

Show investors

No

Not applicable

PERFORMANCE INDICATORS

Targets

Q29

Has the entity set long-term reduction targets?

Yes

Area	Target type	Long-term target	Baseline year	End year	2016 target	Portfolio coverage	Are these targets communicated externally?
Energy consumption	<input type="text" value="Absolute"/>	<input type="text" value="10"/>	<input type="text" value="2013"/>	<input type="text" value="2023"/>	<input type="text" value="1"/>	<input type="text" value="≥50%, &lt;75%"/>	<input type="text" value="Yes"/>
GHG emissions	<input type="text" value="Absolute"/>	<input type="text" value="10"/>	<input type="text" value="2013"/>	<input type="text" value="2023"/>	<input type="text" value="1"/>	<input type="text" value="≥50%, &lt;75%"/>	<input type="text" value="Yes"/>
Water consumption	<input type="text" value="Absolute"/>	<input type="text" value="5"/>	<input type="text" value="2013"/>	<input type="text" value="2023"/>	<input type="text" value="0.5"/>	<input type="text" value="≥50%, &lt;75%"/>	<input type="text" value="Yes"/>
Waste diverted from landfill	<input type="text" value="Absolute"/>	<input type="text" value="4"/>	<input type="text" value="2013"/>	<input type="text" value="2023"/>	<input type="text" value="0.4"/>	<input type="text" value="≥25%, &lt;50%"/>	<input type="text" value="Yes"/>
<input type="text" value=""/>	<input type="text" value="."/>	<input type="text" value=""/>	<input type="text" value="."/>	<input type="text" value="."/>	<input type="text" value=""/>	<input type="text" value="."/>	<input type="text" value="."/>

Clarify if and how these targets relate to the objectives reported in Q1 (maximum 250 words)

These targets allow Ventas to measure its progress toward its commitment to sustainability. By tracking annual progress against the targets, we ensure that we are continuously improving the energy, emissions, water and waste profile of our portfolio.

No



**BUILDING CERTIFICATIONS**

**Senior Homes › Green Building Certificates**

30.1

Does the entity's portfolio include standing investments that obtained a green building certificate at the time of design and/or construction?

Yes

Specify the certification scheme(s) used and the percentage of the portfolio certified for this property type (multiple answers possible)

Scheme name/sub-scheme name	% portfolio covered by floor area	Number of certified assets
LEED BD+C: Commercial Interiors	<input type="text" value="1.31"/>	<input type="text" value="7"/>
LEED/for Homes	<input type="text" value="0.19"/>	<input type="text" value="1"/>

No

Not applicable

30.2

Does the entity's portfolio include standing investments that obtained an operational green building certificate?

Yes

No

Not applicable

**BUILDING CERTIFICATIONS**

**Senior Homes › Energy Ratings**

31

Does the entity's portfolio include standing investments that obtained an energy rating?

Yes

Specify the energy efficiency rating scheme used and the percentage of the portfolio rated for this property type (multiple answers possible)

EU EPC (Energy Performance Certificate)

NABERS Energy

ENERGY STAR

Year	% portfolio covered	Floor area weighted score
2015	<input type="text" value="3.93"/>	<input type="text" value="86.53"/>
2016	<input type="text" value="2.1"/>	<input type="text" value="84.34"/>

Government energy efficiency benchmarking

Other

No

Not applicable

**BUILDING CERTIFICATIONS**

**Healthcare > Green Building Certificates**

**30.1**

Does the entity's portfolio include standing investments that obtained a green building certificate at the time of design and/or construction?

Yes

No

Not applicable

**30.2**

Does the entity's portfolio include standing investments that obtained an operational green building certificate?

Yes

No

Not applicable

**BUILDING CERTIFICATIONS**

**Healthcare > Energy Ratings**

**31**

Does the entity's portfolio include standing investments that obtained an energy rating?

Yes

No

Not applicable

**BUILDING CERTIFICATIONS**

**Medical Office > Green Building Certificates**

**30.1**

Does the entity's portfolio include standing investments that obtained a green building certificate at the time of design and/or construction?

Yes

Specify the certification scheme(s) used and the percentage of the portfolio certified for this property type (multiple answers possible)

Scheme name/sub-scheme name	% portfolio covered by floor area	Number of certified assets
LEED/Core and Shell	0.673	3
LEED Building Design and Construction	1.491	3

No

Not applicable

**30.2**

Does the entity's portfolio include standing investments that obtained an operational green building certificate?

Yes

Specify the certification scheme(s) used and the percentage of the portfolio certified for this property type (multiple answers possible)

Scheme name/sub-scheme name	% portfolio covered by floor area baseline year 2013 (optional in 2017)	% portfolio covered by floor area 2015 (optional in 2017)	% portfolio covered by floor area 2016	Number of certified assets 2016
BOMA 360	<input type="text"/>	<input type="text" value="0.63"/>	<input type="text" value="0.6"/>	<input type="text" value="1"/>

No

Not applicable

**BUILDING CERTIFICATIONS**  
**Medical Office > Energy Ratings**

**31**

Does the entity's portfolio include standing investments that obtained an energy rating?

Yes

No

Not applicable

**BUILDING CERTIFICATIONS**  
**Other > Green Building Certificates**

**30.1**

Does the entity's portfolio include standing investments that obtained a green building certificate at the time of design and/or construction?

Yes

Specify the certification scheme(s) used and the percentage of the portfolio certified for this property type (multiple answers possible)

Scheme name/sub-scheme name	% portfolio covered by floor area	Number of certified assets
LEED/Core and Shell	<input type="text" value="56"/>	<input type="text" value="11"/>

No

Not applicable

**30.2**

Does the entity's portfolio include standing investments that obtained an operational green building certificate?

Yes

No

Not applicable

**BUILDING CERTIFICATIONS**

**Other > Energy Ratings**

31

Does the entity's portfolio include standing investments that obtained an energy rating?

Yes

No

Not applicable

STAKEHOLDER ENGAGEMENT

Employees

32

Does the organization have systems and procedures in place to facilitate effective implementation of the employee policy/policies in Q11?

Yes

Select all applicable options (multiple answers possible)

- Annual performance and career review
- Anonymous web forum/hotlines
- Availability of a compliance officer
- Regular updates/training
- Other

Document name: 2016 Performance Reviews and 2017 Goal Setting  
 Document date: 22/11/2016  
[global\\_code\\_of\\_ethics\\_and\\_business\\_conduct-effective\\_032216.pdf](#)  
 Indicate where in the evidence the relevant information can be found

Anonymous web forum/hotlines and Availability of a compliance officer: See Resolving Business Ethics Concerns, 5-6 (pdf) / 2-3 (document)

Show investors

Document name: Annual employee policy acknowledgement  
 Document date: 01/03/2016  
 Document name: Ventas Code of Ethics Training  
 Document date: 21/11/2016

No

33

Does the organization provide regular trainings for the employees responsible for the entity?

Yes

Percentage of employees who received professional training in 2016

100

Percentage of employees who received sustainability-specific training in 2016

100

Sustainability-specific training focuses on the following elements (multiple answers possible)

Training topics on environmental issues

- Contamination
- Greenhouse gas emissions
- Energy
- Natural hazards
- Regulatory standards

Supply chain environmental impacts

Waste

Water

Other

Training on social issues

Community health, safety and well-being

Community social and economic impacts

Customer/tenant health, safety and well-being

Supply chain health, safety and well-being

Workplace health, safety and well-being

Other

Other selected. Please describe

Ethics and sexual harassment

No

34.1

Has the organization undertaken an employee satisfaction survey during the last three years?

Yes

The survey is undertaken (multiple answers possible)

Internally

By an independent third party

Percentage of employees covered

100

Name of the organization

CEB

Survey response rate

95

[2016 Employee Engagement Survey Presentation vFinal3.pdf](#)

Indicate where in the evidence the relevant information can be found

All

Show investors

No

34.2

Does the organization have a program in place to improve its employee satisfaction based on the outcomes of the survey referred to in Q34.1?

 Yes

Select all applicable options (multiple answers possible)

 Development of action plan

 Feedback sessions with Senior Management Team

 Feedback sessions with separate teams/departments

 Focus groups

 Other

 No

 Not applicable

35.1

Has the organization undertaken employee health and safety checks during the last three years?

 Yes

Select all applicable options (multiple answers possible)

 Employee surveys on health and well-being

 Physical and/or mental health checks

 Work station and/or workplace checks

% of employees

 Other

 No

 Not applicable

35.2

Does the organization monitor employee health and safety indicators?

 Yes

Select all applicable options (multiple answers possible)

 Absentee rate

Lost day rate

4.6

Other metrics

Other selected. Please describe

Percent of employees that exceed PTO limits

Rate of other metric(s)

2.3

Explain the employee occupational health and safety indicators calculation method (maximum 250 words)

Lost Day Rate: Ventas calculates this as the lost-time injuries frequency rate per 1 million hours worked, consistent with the RobecoSAM CSA.

Exceeds PTO Limits: Ventas provides employees with a set amount of paid-time-off. The Ventas Human Resources Department monitors employees who exceed the set annual limit and works with managers to address any issues. In 2016, 2.3% of employees exceeded their PTO, and the exceeded PTO hours per employee were 0.29.

All employees are covered by the Occupational Safety and Health Administration mandates and protocols.

No

**STAKEHOLDER ENGAGEMENT**

**Tenants/Occupiers**

36

Does the entity have a tenant engagement program in place that includes sustainability-specific issues?

Yes

Select all approaches to engage tenants (multiple answers possible)

Building/asset communication

Percentage of portfolio covered

Provide tenants with feedback on energy/water consumption and waste

Percentage of portfolio covered

Social media/online platform

Percentage of portfolio covered

Tenant engagement meetings

Percentage of portfolio covered

Tenant events focused on increasing sustainability awareness

Percentage of portfolio covered

Tenant sustainability guide

Percentage of portfolio covered



Tenant sustainability training

 Percentage of portfolio covered 
 Other

 No

## 37.1

Has the entity undertaken tenant satisfaction surveys during the last three years?

 Yes

The survey is undertaken (multiple answers possible)

 Internally

 By an independent third party

 Percentage of tenants covered 

Name of the organization

Kingsley Associates

Ferrazzi Greenlight

 Survey response rate 
[Lillibridge Tenant Survey Invitation.pdf](#)

Indicate where in the evidence the relevant information can be found

 Show investors

[NNN Customer Survey 2016.pdf](#)

Indicate where in the evidence the relevant information can be found

 Show investors

 No

 Not applicable

## 37.2

Does the entity have a program in place to improve tenant satisfaction based on the outcomes of the survey referred to in Q37.1?

 Yes

Select all applicable options (multiple answers possible)

 Development of an asset-specific action plan

 Feedback sessions with asset/property managers

Feedback sessions with individual tenants

Other

Describe the tenant satisfaction improvement program (maximum 250 words)

Based on the results of the Medical Office tenant satisfaction survey (administered by Kingsley), Senior Leadership identified seven key survey categories around which action plans were created. The seven categories are those that have the highest impact on overall tenant satisfaction. Properties with scores below the Kingsley Index in these seven categories create an action plan that is specific, measurable and create accountability. Properties with scores above the Kingsley Index in these seven categories share their best practices, which are incorporated into others' action plans. All action plans are reviewed and approved by the property's Regional Manager.

No

Not applicable

38

Does the entity have a fit-out and refurbishment program in place for tenants that includes sustainability-specific issues?

Yes

Select all topics included (multiple answers possible)

Fit-out and refurbishment assistance for meeting the minimum fit-out standards

Percentage of portfolio covered

Tenant fit-out guides

Percentage of portfolio covered

Minimum fit-out standards are prescribed

Percentage of portfolio covered

Procurement assistance for tenants

Percentage of portfolio covered

Other

No

39.1

Does the entity include sustainability-specific requirements in its standard lease contracts?

Yes

Select all topics included (multiple answers possible)

Cooperation and works:

Environmental initiatives

Enabling upgrade works

Sustainability management collaboration

Premises design for performance

Managing waste from works

Social initiatives

Other

Management and consumption:

Energy management

Water management

Waste management

Indoor environmental quality management

Sustainable procurement

Sustainable utilities

Sustainable transport

Sustainable cleaning

Other

Reporting and standards:

Information sharing

Performance rating

Design/development rating

Performance standards

Metering

Comfort

Other

Document name

Ventas Form Master Lease and Security Agreement

Document date

15/06/2015

No

39.2

Does the entity monitor compliance with the sustainability-specific requirements in its lease contracts?

Yes

Describe the process (maximum 250 words)

Ventas engages in active asset management, which includes ongoing lease compliance monitoring and regular site visits (typically at least once every 2 years).

No

Not applicable

STAKEHOLDER ENGAGEMENT

Supply Chain

40

Does the entity include sustainability-specific requirements in the procurement processes applicable to the entity level?

Yes

Select the external parties to whom the requirements apply (multiple answers possible)

External contractors

External property/asset managers

External service providers

External suppliers

Other

Select all topics included (multiple answers possible)

Business ethics

Environmental process standards

Environmental product standards

Human rights

Human health-based product standards

Occupational health and safety

Sustainability-specific requirements for sub-contractors

Other

[Green Purchasing Snapshot\\_Senior Housing\\_2016.xlsx](#)

Indicate where in the evidence the relevant information can be found

All

Show investors

[Green Purchasing Snapshot\\_Medical Office\\_2016.xlsx](#)

Indicate where in the evidence the relevant information can be found

All

Show investors

No

Not applicable

41.1

Does the organization monitor property/asset managers' compliance with the sustainability-specific requirements in place for this entity?

Yes

The organization monitors compliance of:

- Internal property/asset managers
- External property/asset managers
- Both internal and external property/asset managers

Select all methods used (multiple answers possible)

- Checks performed by independent third party
  - Name of the organization
  - W. W. Grainger
- Property/asset manager sustainability training
- Property/asset manager self-assessments
- Regular meetings and/or checks performed by the organization's employees
- Require external property/asset managers' alignment with a professional standard
  - Standard
  - Energy Star Labeled Appliances and Equipment
- Other

[Green Purchasing Snapshot\\_Senior Housing\\_2016.xlsx](#)

Indicate where in the evidence the relevant information can be found

All

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[Green Purchasing Snapshot\\_Medical Office\\_2016.xlsx](#)

Indicate where in the evidence the relevant information can be found

All

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[Green Team Newsletters 2016.pdf](#)

Indicate where in the evidence the relevant information can be found

All

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No

Not applicable

41.2

Does the organization monitor other direct external suppliers' and/or service providers' compliance with the sustainability-specific requirements in place for this entity?

 Yes

Select all methods used (multiple answers possible)

 Checks performed by an independent third party

Name of the organization

W. W. Grainger

 Regular meetings and/or checks performed by the organization's employees

 Regular meetings and/or checks performed by external property/asset managers

 Require supplier/service providers' alignment with a professional standard

Standard

Energy Star Labeled Appliances and Equipment

 Supplier/service provider sustainability training

 Supplier/service provider self-assessments

 Other

 No

 Not applicable

## STAKEHOLDER ENGAGEMENT

### Community

42.1

Does the entity have a community engagement program in place that includes sustainability-specific issues?

 Yes

Select all topics included (multiple answers possible)

 Effective communication and process to address community concerns

 Enhancement programs for public spaces

 Employment creation in local communities

 Health and well-being program

 Research and network activities

 Resilience, including assistance or support in case of disaster

 Supporting charities and community groups

Sustainability education program

Other

Describe the community engagement program and the monitoring process (maximum 250 words)

Giving back to our community is an important value at Ventas. As an industry leader, we have a responsibility to improve the lives of others. Through the Ventas Charitable Foundation ("Foundation"), we support organizations that are important to our employees, customers and communities. In 2016, the Foundation provided grants to more than 100 local and national organizations, including many where our employees are actively involved. Employees may submit grant requests to the Foundation, which are reviewed by the Foundation Board (our CEO and other senior level employees) to confirm that grant recipients are 501(c)(3) nonprofits, aligned with the Ventas culture and values, and in good standing on guidestar.org. Ventas has a \$1 million, five-year partnership with The Greater Chicago Food Depository to sponsor its Older Adult Program, which provides food delivery to 6,500 seniors each month. Ventas also has a multi-year commitment with ElderServe, which provides supportive services that empower older adults to live independently with dignity. Ventas also engages with its local community through the All Stars Project: Chicago's Development for Youth Program, which provides development opportunities to young people in neighborhoods affected by violence. Recently, Ventas' Diversity Network hosted a workshop to develop students' public speaking skills. Ventas also engages with communities via its development and operating partners, such as Atria and Wexford, who manage Ventas senior housing and life science properties, respectively. Atria and Wexford develop sustainable, LEED buildings, financed and owned by Ventas. These assets provide enhancements to public spaces and employment creation in local communities.

No

Not applicable

42.2

Does the entity monitor its impact on the community?

Yes

Select the areas of impact that are monitored (multiple answers possible)

Housing affordability

Impact on crime levels

Livability score

Local income generated

Local residents' well-being

Walkability score

Other

No

Not applicable

**NEW CONSTRUCTION AND MAJOR RENOVATIONS**

**Sustainability Requirements**



NC 1

Does the entity have a sustainability strategy in place for new construction and major renovation projects?

 Yes

Elements addressed in the strategy (multiple answers possible)

 Biodiversity and habitat Climate/climate change adaptation Energy consumption/management Environmental attributes of building materials GHG emissions/management Human health, safety and well-being Location and transportation Resilience Supply chain Water consumption/management Waste management Other

Other selected. Please describe

Communication of the strategy

 Publicly available Online - hyperlink

Provide hyperlink

Indicate where the relevant information can be found

 Offline - separate document

Communicate the strategy (maximum 250 words)

Ventas's new developments and major renovations typically seek LEED certification and thus meet high standards for sustainable development. Ventas thoughtfully and purposefully promotes sustainability in our communities and regularly includes energy-efficient lighting and appliances, water-efficient landscaping, dual-flush toilets and low-flow shower heads, ENERGY STAR-certified appliances, high-performance exterior doors, green housekeeping, recycling and landscape projects, drought-resistant landscaping with drip irrigation, on-site storage treatment of storm water to reduce erosion and green building education for our residents and guests.

 Not publicly available No

NC 2

Does the entity have sustainable site selection criteria in place for new construction and major renovation projects?

Yes

Select all criteria included (multiple answers possible)

- Connect to multi-modal transit networks
- Locate projects within existing developed areas
- Protect, restore, and conserve aquatic ecosystems
- Protect, restore, and conserve farmland
- Protect, restore, and conserve floodplain functions
- Protect, restore, and conserve habitats for threatened and endangered species
- Redevelop brownfield sites
- Other

The entity's sustainable site selection criteria are aligned with

Third-party guidelines

Specify

LEED

- Third-party rating system(s)
- Other
- Not aligned

[CEC-400-2012-004-CMF-REV2.pdf](#)

Indicate where in the evidence the relevant information can be found

All

Show investors

[LEED NC 2009 checklist.pdf](#)

Indicate where in the evidence the relevant information can be found

Throughout

Show investors

[LEED CS 2009 checklist.pdf](#)

Indicate where in the evidence the relevant information can be found

Throughout

Show investors

No

Not applicable

## NC 3

Does the entity have sustainable site design/development requirements for new construction and major renovation projects?

Yes

Select all applicable options (multiple answers possible)

Manage waste by diverting construction and demolition materials from disposal

Manage waste by diverting reusable vegetation, rocks, and soil from disposal

Protect air quality during construction

Protect surface water and aquatic ecosystems by controlling and retaining construction pollutants

Protect and restore habitat and soils disturbed during construction and/or during previous development

Other

The entity's sustainable site design/development criteria are aligned with

Third-party guidelines

Third-party rating system(s)

Specify scheme(s)/sub-scheme(s)

LEED 2009 for Core and Shell Development; LEED 2009 for New Construction and Major Renovations

Other

Not aligned

[LEED CS 2009 checklist.pdf](#)

Indicate where in the evidence the relevant information can be found

Throughout

Show investors

[LEED NC 2009 checklist.pdf](#)

Indicate where in the evidence the relevant information can be found

Throughout

Show investors

No

## NEW CONSTRUCTION AND MAJOR RENOVATIONS

### Materials and Certifications

## NC 4

Does the entity require that the environmental and health attributes of building materials be considered for new construction and major renovation projects?

Yes

Select all issues addressed (multiple answers possible)

Formal adoption of a policy on health attributes of building materials

Formal adoption of a policy on the environmental attributes and performance of building materials

Requirement for information (disclosure) about the environmental and/or health attributes of building materials (multiple answers possible)

Health and environmental information

Environmental Product Declarations

Health Product Declarations

Other types of health and environmental information

Material characteristics specification, including (multiple answers possible)

Preference for materials that disclose environmental impacts

Preference for materials that disclose potential health hazards

"Red list" of prohibited materials or ingredients that should not be used on the basis of their human and/or environmental impacts

Locally extracted or recovered materials

Rapidly renewable materials, low embodied carbon materials, and recycled content materials

Materials that can easily be recycled

Third-party certified wood-based materials and products

Low-emitting materials

Other

[LEED.pdf](#)

Indicate where in the evidence the relevant information can be found

Pages 47-55

Show investors

No

Not applicable

**NC 5.1**

Does the entity use green building standards?

Yes

Select all applicable options (multiple answers possible)

The entity requires projects to align with requirements of a third-party green building rating system but does not require certification

Percentage of portfolio covered

Green building rating systems: include all that apply

The entity requires projects to achieve certification with a green building rating system

Percentage of portfolio covered

Green building rating systems: include all that apply

The entity requires projects to achieve a specific level of certification

Percentage of portfolio covered

Level of certification: include all that apply

Levels adopted as a standard by the entity

No

Not applicable

**NC 5.2**

Does the entity's projects include new construction and major renovation projects that obtained a green building certificate?

Yes

Specify the certification scheme(s) used and the percentage of the portfolio certified (multiple answers possible)

**Projects in progress at the end of reporting period**

Scheme name/sub-scheme name	Level of certification	% portfolio covered by floor area	Number of certified projects
LEED BD+C: Commercial Interiors	<input type="text" value="Gold"/>	<input type="text" value="7.76"/>	<input type="text" value="1"/>
LEED Building Design and Construction	<input type="text" value="Certified,§"/>	<input type="text" value="41.57"/>	<input type="text" value="7"/>

**Projects completed during the reporting period**

Scheme name/sub-scheme name	Level of certification	% portfolio covered by floor area	Number of certified projects
LEED/Core and Shell	<input type="text" value="Silver"/>	<input type="text" value="5.37"/>	<input type="text" value="1"/>
LEED BD+C: Commercial Interiors	<input type="text" value="Certified"/>	<input type="text" value="11.64"/>	<input type="text" value="2"/>

No

Not applicable

**NEW CONSTRUCTION AND MAJOR RENOVATIONS**

**Energy Efficiency**

**NC 6**

Does the entity have minimum energy efficiency requirements for new construction and major renovation projects?

Yes

Requirements for planning and design include (multiple answers possible)

Integrative design process

To exceed relevant energy codes or standards

Other

Common energy efficiency measures include (multiple answers possible)

Air conditioning

Commissioning

Energy modeling

Lighting

Occupant controls

Space heating

Ventilation

Water heating

Other

Operational energy efficiency monitoring (multiple answers possible)

Energy use analytics

Post-construction energy monitoring for on

Average years

Sub-meter

Other

No

**NC 7.1**

Does the entity incorporate on-site renewable energy in the design of new construction and major renovation projects?

Yes

Projects designed to generate on-site renewable energy (multiple answers possible)

Biofuels

Geothermal

Hydro

Solar/photovoltaic

Percentage of all projects

Wind

Other

Average design target for the fraction of total energy demand met with on-site renewable energy

1

No

Not applicable

**NC 7.2**

Are the entity's new construction and major renovation projects designed to meet net-zero energy codes and/or standards?

Yes

No

**NEW CONSTRUCTION AND MAJOR RENOVATIONS**

**Water Conservation and Waste Management**

**NC 8**

Does the entity promote water conservation in its new construction and major renovation projects?

Yes

The entity promotes water conservation through (multiple answers possible)

Requirements for planning and design include (multiple answers possible)

Development and implementation of a commissioning plan

Integrative design for water conservation

Requirements for indoor water efficiency

Requirements for outdoor water efficiency

Requirements for process water efficiency

Requirements for water supply

Other

Common water efficiency measures include (multiple answers possible)

Commissioning of water systems

Drip/smart irrigation

Drought tolerant/low-water landscaping

High-efficiency/dry fixtures

Leak detection system

- Occupant sensors
- On-site wastewater treatment
- Re-use of stormwater and grey water for non-potable applications
- Other

Operational water efficiency monitoring (multiple answers possible)

- Post-construction water monitoring for on
  - Average years
- Sub-meter
- Water use analytics
- Other

[CEC-400-2012-004-CMF-REV2.pdf](#)

Indicate where in the evidence the relevant information can be found

Show investors

- No
- Not applicable

**NC 9**

Does the entity promote efficient on-site solid waste management during the construction phase of its new construction and major renovation projects?

- Yes

The entity promotes efficient solid waste management through (multiple answers possible)

- Management and construction practices (multiple answers possible)
  - Construction waste signage
  - Education of employees/contractors on waste management
  - Incentives for contractors for recovering, reusing and recycling building materials
  - Targets for waste stream recovery, reuse and recycling
  - Waste management plans
  - Waste separation facilities
  - Other



On-site waste monitoring (multiple answers possible)

Hazardous waste monitoring

Non-hazardous waste monitoring

Other

[LEED.pdf](#)

Indicate where in the evidence the relevant information can be found

Pages 47-55

Show investors

No

NEW CONSTRUCTION AND MAJOR RENOVATIONS

Supply Chain

NC 10.1

Does the entity have environmental and social requirements in place for its contractors?

Yes

Select all topics included (multiple answers possible)

Business ethics

Community engagement

Environmental process standards

Environmental product standards

Fundamental human rights

Human health-based product standards

On-site health and safety

Sustainability-specific requirements for sub-contractors

Other

Percentage of projects covered

100

[LEED.pdf](#)

Indicate where in the evidence the relevant information can be found

Throughout

Show investors

No

## NC 10.2

Does the organization monitor its contractors' compliance with its sustainability-specific requirements in place for this entity?

Yes

Select all applicable options (multiple answers possible)

Contractors provide update reports on environmental and social aspects during construction

External audits by third party

Internal audits

Percentage of projects audited during the reporting period

100

Weekly/monthly (on-site) meetings and/or ad hoc site visits

Percentage of projects visited during the reporting period

100

Other

No

Not applicable

## NEW CONSTRUCTION AND MAJOR RENOVATIONS

## Health, Safety and Well-being

## NC 11

Does the entity promote occupant health and well-being in its new construction and major renovation projects?

Yes

The entity addresses health and well-being in the design of its product through (multiple answers possible)

Requirements for planning and design, including (multiple answers possible)

Health Impact Assessment

Integrated planning process

Other planning process

Common occupant health and well-being measures, including (multiple answers possible)

Access to spaces for active and passive recreation

Active design features

Commissioning

Daylight

Indoor air quality monitoring

- Indoor air quality source control
- Natural ventilation
- Occupant controls
- Provisions for active transport
- Other

Provisions to verify health and well-being performance include (multiple answers possible)

- Occupant education
- Post-construction health and well-being monitoring (e.g., occupant comfort and satisfaction) for on  
Average years
- Other

[LEED.pdf](#)

Indicate where in the evidence the relevant information can be found

Show investors

No

Not applicable

**NC 12.1**

Does the entity promote on-site health and safety during the construction phase of its new construction and major renovation projects?

Yes

The entity promotes on-site health and safety through (multiple answers possible)

- Communicating safety information
- Continuously improving safety performance
- Demonstrating safety leadership
- Entrenching safety practices
- Managing safety risks
- Promoting design for safety
- Other

No

Not applicable

## NC 12.2

Does the organization monitor health and safety indicators at construction sites?

Yes

Select all applicable options (multiple answers possible)

Injury rate

Explain the injury rate calculation method (maximum 250 words)

Ventas's development partners (primarily Atria Senior Living, Pacific Medical Buildings, and Wexford Science + Technology) are required to comply with OSHA and follow the OSHA Recordable Incident Rate methodology. The Recordable Incident Rate is calculated by multiplying the number of recordable cases by 200,000, and then dividing that number by the number of labor hours at the project.

Fatalities

Near misses

No

## NEW CONSTRUCTION AND MAJOR RENOVATIONS

## Community Impact and Engagement

## NC 13

Does the entity assess the potential socio-economic impact of its new construction and major renovation projects on the community as part of planning and pre-construction?

Yes

Select the areas of impact that are assessed (multiple answers possible)

Housing affordability

Impact on crime levels

Livability score

Local income generated

Local residents' well-being

Walkability score

Other

No

## NC 14

Does the entity have a systematic process to monitor the impact of new construction and major renovation projects on the local community during different stages of the project?

Yes

The entity's process includes (multiple answers possible)

Analysis and interpretation of monitoring data

Development and implementation of a communication plan

Development and implementation of a community monitoring plan

Development and implementation of a risk mitigation plan

Identification of nuisance and/or disruption risks

Identification of stakeholders and impacted groups

Management practices to ensure accountability for performance goals and issues identified during community monitoring

Other

Describe the monitoring process (maximum 250 words)

Local communities are engaged throughout the development process to ensure issues are addressed and needs are met. Impact assessments are conducted as needed or required to understand the impacts on local communities, and mitigation plans are developed if necessary. Ventas and its development partners strive to minimize nuisances and disruptions from construction sites, and notify local residents of any unavoidable nuisances or disruptions. Communication is through press releases, regular fliers and posters with address and phone numbers for the site and contact information, as well as a central registry at city hall for the community to contact with questions.

[LEED.pdf](#)

Indicate where in the evidence the relevant information can be found

Throughout

Show investors

No

## SUPPLEMENTS

### Leader in the Light

Q0

Do you want to participate in Leader in the Light?

Yes

Please describe your organization and the nature of your business.

Ventas, Inc. [NYSE: VTR], an S&P 500 company, is a leading real estate investment trust (REIT), with a diversified portfolio of nearly 1,300 seniors housing, medical office buildings, life science and innovation centers, and other healthcare properties in the United States, Canada and the United Kingdom. Through our Lillibridge subsidiary, Ventas provides management, leasing, marketing, facility development and advisory services to highly rated hospitals and health systems throughout the United States. Our owned portfolio generates 93% of its revenue from private pay, non-government sources.

Ventas has delivered consistent, superior long-term returns to shareholders for more than a decade, outperforming both the S&P 500 and the MSCI US REIT Indices, while providing compound annual dividend growth of 8%. We are disciplined acquirers with rigorous investment standards and a well-earned reputation for bringing creativity and financial strength to completing transactions of all sizes and complexity. At the same time, we have maintained reliable internal cash flow growth from our high-performing portfolio. By maintaining an outstanding balance sheet and ample liquidity, we continue to improve our cost of capital and enhance stakeholder value.

As a leading owner of healthcare real estate, we support and apply measurable sustainability practices and standards. Sustainability is good for the environment and our business – creating lasting economic efficiencies, while preserving and protecting the planet. Our sustainability accomplishments are externally recognized and honored. Ventas was named 2015 Global Real Estate Sustainability Benchmark's (GRESB) Global and North American Healthcare Sector Leader and was awarded their Green Star recognition in 2014, 2015 and 2016 for improving the energy efficiency of its seniors housing and medical office building portfolios. The National Association of Real Estate Investment Trusts (NAREIT) also awarded Ventas its 2014 Health Care "Leader in the Light Award," the highest achievement for healthcare real estate companies in recognition of superior and sustained energy use practices. Ventas is also a proud member of the FTSE4GOOD Sustainability Index Series and the MSCI Global Sustainability Index.

No

Q1

Describe your organization's ESG goals for 2016 and how it performed against these goals.

Ventas made significant progress against short and long term ESG goals in 2016:

1. Goal: Enhance the reputation/quality of Ventas' leading position in ESG practices. Expand ESG initiatives, improve ESG reporting and transparency and increase coordination across the company.

Progress: Created/filled the positions of Director, Sustainability (2016) to coordinate ESG efforts and reporting, and VP, Marketing and Communications (early 2017) to improve stakeholder communications. These resources collaborated to enhance Ventas's website ESG disclosures to include objectives, strategies, and targets.

2. Goal: Improve quality of Ventas's environmental data; enhance data analytics to drive investment to achieve our long-term reduction targets for energy, GHG emissions, water and waste.

Progress: Selected a leading, 3rd-party, provider of services to the Real Estate industry to provide EMS/Data Management in 2016. With these capabilities, Ventas has portfolio-wide visibility into energy/water/waste consumption and reduction efforts, enabling us to systematically identify efficiency opportunities across our portfolio of 1,300 healthcare assets.

3. Goal: Improve the sustainability profile of Ventas' portfolio through LEED development; Become /remain the healthcare REIT leader in LEED certifications and development.

Progress: Ventas is the healthcare REIT leader in LEED certifications and development with 26 LEED certified buildings (4%+ of total portfolio square feet), 3 pending certifications (bringing us to 5% of total), and 5 LEED developments of approximately \$500M total investment, 70% of total development spend.

4. Goal: Expand health and well-being offerings to Ventas employees to increase engagement, productivity, and retention.

Progress: Launched programming through our Young Professionals Network (YPN) to increase physical fitness and promote well-being: a Chicago River cruise and ping-pong tournament to promote health and relaxation, and a cycling class event for fitness. Ventas sponsored employee participation in the annual J.P. Morgan Corporate Challenge in Chicago for the 5th year. Finally, our Louisville employees relocated to a new LEED-certified office building. Also targeting LEED Gold for the interior build-out, the work setting includes standing desks, ample daylight, and a low VOC environment.

5. Goal: Demonstrate continued industry leadership in corporate governance.

Progress: Ventas built upon its industry leadership in corporate governance with the voluntary adoption of a proxy access bylaw by our Board of Directors. Ventas refreshed its Board composition, replacing longer tenured directors

with new independent ones. Ventas increased its women directors to 30% of the Board, earning recognition as a "Winning" company (2020 Women on Boards Gender Diversity Index) and as a Corporate Champion (Women's Forum of New York).

## Q2

Describe the innovative ESG strategies and technologies implemented in the last 12 months by your organization. Include relevant metrics when describing results.

**Innovative Government Partnerships:** Ventas collaborated with State and Federal agencies, including the U.S. Fish and Wildlife Service and Massachusetts Division of Ecological Restoration, to remove a dam on the Shawsheen River, a tributary of the Merrimack River, and install native plants along the riverbank near our Atria Marland Place community. Once a highly productive river supporting robust populations of migratory fish, the restoration to a free-flowing state provides blueback herring, alewife, sea lamprey and American eels unobstructed access to an important spawning and growth habitat. These species play an important ecological role within the river, coastal and offshore waters, providing forage for many species of fish, mammals and birds. Culminating in late 2016, this is a win-win for the environment and for Atria residents who will enjoy a beautiful, free-flowing river with native plants and aquatic life.

**Innovative Developments:** Ventas supports our development and operating partners in seeking innovative ways to provide best-in-class real estate that promotes health and wellness for residents and tenants, supports surrounding communities and minimizes environmental impact. Our Atria Foster Square development (targeting LEED Silver) features a green roof that stores rainwater, providing natural filtration as it percolates through the roof layers, insuring that water is cleaned before making its way to the storm water system, the Foster Square pond, and eventually the San Francisco Bay. The green roof plants and soil retain much of the storm water allowing it to slowly drain, reducing the load on the storm water system. The system provides an attractive, seasonally-flowering area for less-mobile residents to enjoy.

The Chesterfield (LEED Gold Certified), developed and operated by Wexford Science + Technology, is a brownfield redevelopment of an abandoned tobacco manufacturing facility, transformed into high-performance office space, laboratories, and retail spaces. More than 92% of the existing building was maintained, reducing the need for virgin materials. The redevelopment decreased indoor water use by over 40% and has no onsite irrigation to limit outdoor water use. The project integrates with the surrounding community with an accessible site, bicycle storage, and access to public transportation and community resources.

**Innovative Technologies:** Ventas is exploring novel technologies throughout its portfolio, including a battery storage pilot in medical office buildings, advanced energy optimization using wireless sensors and software to cut energy use by 20-30%, and a health-centric LED lighting pilot in our memory care communities to study health, behavior and circadian rhythm benefits from finely tuned lighting.

## Q3

Explain why your company is deserving of recognition as a 2017 Leader in the Light Award winner.

Ventas's ESG leadership starts with the commitment of our Board and CEO, permeates internal processes and extends to collaboration with our tenants and operating partners.

Since 2013, Ventas has spent \$55M in energy, water and waste efficiency projects, increasing annual expenditure 260%, from \$8M in 2013 to \$21M in 2016. These projects reduce our environmental impact, saving ~8,000 MWh and ~200 million gallons of water annually, while creating shareholder value with an annual returns of 18%. Ventas is also the healthcare REIT leader in LEED certifications and development. We make investment and divestiture decisions with sustainability as a significant criterion.

Through the Ventas Charitable Foundation, we support causes benefitting seniors' welfare (Chicago Food Depository's Older Adult Program and ElderServe in Louisville, KY). Our employee charitable fund supports organizations where team members are actively engaged, providing grants to 100+ organizations in 2016.

Ventas is dedicated to employee and their family's well-being and continued professional development. Feedback from our annual employee engagement survey drives continuous improvement: We have created employee networks for Diversity, Women and Young Professionals which offer informal professional and social gatherings to hosting diverse, engaging speakers to provide a forum to share ideas and promote employee community and collaboration; increased employee training and development; and provided a significant package of health, wellness and retirement benefits of nearly \$35,000 per employee including a new parental leave policy that offers extended paid time off for both primary and secondary caregivers.

Our governance practices show our commitment to strong, transparent & ethical practices. Our approach is embedded in the Ventas culture and is borne out by our strategy to drive long-term shareholder value through superior long-term performance (compound annual total shareholder return exceeding 25% since 2000), and our relationships with investors, employees and business partners. Strong, independent directors (9 of 10 board members) enhance our culture of fairness and hold us to exemplary performance standards. We have demonstrated openness by adopting proxy access. Our compensation and executive pay practices are aligned with shareholder feedback. And our executives set a high standard for ethics through mandatory quarterly integrity and compliance training for all employees.

Ventas is a leader in board gender diversity with 30% women, compared to the S&P 500 average of ~20%, earning us recognition as a "Winning" company on the 2020 Women on Boards Gender Diversity Index and as a Corporate Champion by the Women's Forum of New York.

## Q4

For the "Leadership Personified" award, nominate individual leaders in Sustainability/ESG within the REIT industry. The nominated individual must be employed by a NAREIT corporate member organization.

1st nomination

Debra A. Cafaro, Chairman and CEO, Ventas

2nd nomination

3rd nomination



## SUPPLEMENTS

## Health &amp; Well-being

H0

Would you like to participate in the Health and Well-being Module?

 Yes No

H1.1

Does the organization have a policy for the promotion of health &amp; well-being for employees?

 Yes

The policy is present at:

 The organizational level, applicable to the entity The entity level[Ventas Employee Handbook 2017.pdf](#)

Indicate where in the evidence the relevant information can be found

See 16-18 (pdf) /12-14 (document); Relevant sections include: Housekeeping, Nursing Mothers, Nonstandard Office Furniture  
See 31-35 (pdf) /27-31 (document); Compensation and Benefits Show investors[Pages from 2017 Employee Benefit Plan Summary.pdf](#)

Indicate where in the evidence the relevant information can be found

All; (This is an excerpt of relevant pages from Ventas's current employee benefits plan.)

 Show investors No

Provide additional context for the answer provided (maximum 250 words)

Ventas's commitment to employee well-being is reflected in its policies and practices. Our Employee Handbook includes policies for paid parental leave, space for nursing mothers to express breastmilk, and ergonomic office furniture, such as standing desks. 90% of Ventas employees participate in our robust health benefits plan, which includes employee health and wellness features. Our plan provides a telemedicine feature with 24/7 access to non-emergency medical care via telephone or internet, making access to healthcare convenient and economical. The plan also includes an Employee Assistance Program (EAP) through a third-party provider to address emotional, legal or financial issues. Participation is voluntary, confidential and at no cost to employees and their families. The service includes unlimited web-based services and up to three consultations/year with a licensed clinician. The EAP helps employees work through issues like stress/anxiety, health/wellness concerns, and legal/financial issues. These policies support a healthy, engaged workforce and help Ventas maintain low health care costs and absenteeism rates.

Ventas supports employee well-being through three employee network groups for Diversity, Women and Young Professionals. These groups organize events, including informal lunches to discuss topics on women in the workplace, social events promoting wellness, and diverse, engaging speakers. These activities provide a forum to share thoughts and ideas, and promote employee community and collaboration.

H1.2

Does the organization have a policy for the promotion of health &amp; well-being through real estate assets and services?

 Yes

The policy is present at:

 The organizational level, applicable to the entity The entity level[Argentum-Standards for Senior Living.pdf](#)

Indicate where in the evidence the relevant information can be found

All

Show investors

[LEED.pdf](#)

Indicate where in the evidence the relevant information can be found

See Sustainable sites, 21 - 40 (pdf) / 1 - 20 (document)  
See Indoor environment quality, 77 - 101 (pdf) / 57 - 81 (document)

Show investors

No

Provide additional context for the answer provided (maximum 250 words)

The health and well-being of the residents and tenants of Ventas's assets is of critical importance to Ventas, in part because it promotes lower resident turnover. In our Senior Housing portfolio (which Ventas does not directly manage), operator selection is critical to ensuring the well-being of residents. As part of our due diligence process for any new operator, we review their policies and practices toward ensuring resident health and well-being, such as their care staff ratios, use of regular resident satisfaction surveys, and alignment with the Argentum Standards for Senior Living. These standards ensure seniors housing communities have taken extra steps to foster resident comfort, health and happiness. Ventas also promotes health and well-being through its commitment to LEED development, which includes requirements for sustainable site selection and indoor environmental quality. Sustainable site selection supports health by encouraging public transit and bicycle use. Indoor environment quality supports health through elimination of tobacco smoke, use of low-emitting building materials, and systems to optimize thermal comfort, daylight and views (i.e., direct line of sight to the outdoor environment).

H2

Does the organization have a senior employee responsible for health & well-being issues associated with this entity?

Yes

The most senior employee responsible for health & well-being is

A different individual from the employee responsible for sustainability

This individual is part of (select all that apply)

- Board of Directors
- Senior management team
- Sustainability/ESG management team
- Human resources

Provide the details for the most senior decision-maker on sustainability issues

Name  
Edmund Brady

Job title  
Chief Human Resource Officer

E-mail  
ed.brady@ventasreit.com

LinkedIn profile (optional)

Other team or department

The same individual as the most senior employee responsible for sustainability (indicated in the main assessment)

Describe the individual's health-related qualifications (maximum 250 words):

EDMUND M. Brady, III joined Ventas in June of 2014 as Senior Vice President and Chief Human Resources Officer. Prior to joining Ventas, Mr. Brady served as President of

the human capital-focused management consulting practice at EMB3 Advisory Services LLC. Mr. Brady previously served as Managing Director and Chief People Officer for Stroz Friedberg, LLC. Prior to that, Mr. Brady worked for Diamond Management & Technology Consultants, Inc., where he most recently served as Partner and Chief People Officer and a member of the firm's Leadership Committee.

Mr. Brady received a BS in Business Administration from Georgetown University and an MBA in marketing and International business from Northwestern University's Kellogg School of Management.

No

Provide additional context for the answer provided (maximum 250 words)

H3

Does the organization understand the health & well-being-related needs of employees responsible for the entity?

Yes

Select all items that describe the process used to understand the health and well-being-related needs of the employees responsible for the entity

The entity has a process to understand the health & well-being needs of its employees

The entity's process uses primary data to understand the health & well-being needs of employees

The entity's process uses secondary data to understand the health & well-being needs of employees

The entity uses anecdotal information or personal observations to understand the health & well-being needs of employees

Other

[Ventas Employee Handbook 2017.pdf](#)

Indicate where in the evidence the relevant information can be found

See Open Door Policy, 11 [pdf] / 7 (document)

Show investors

[EE Survey Results - Leadership Team 9.8.16 \(Questions Only\).pdf](#)

Indicate where in the evidence the relevant information can be found

All (questions from annual employee engagement survey)

Show investors

[Ventas Health Claims Experience Report Q4 2016.pdf](#)

Indicate where in the evidence the relevant information can be found

All

Show investors

[Medical Health Insurance Plan Monthly financial report 2016.pdf](#)

Indicate where in the evidence the relevant information can be found

All

Show investors

No

Provide additional context for the answer provided (maximum 250 words)

Ventas collects employee health and wellness information in several ways. On an annual basis our Human Resources team works with our external health benefits consultant and health insurance provider to analyze the health data of our employees. This data is used to identify gaps in coverage and additional programs that may be beneficial to our employees' health, while minimizing costs for Ventas. We also collect data in our annual employee engagement survey, which asks employees if they are satisfied with the current benefits program and what additional benefits they would like the company to consider offering. Ventas also encourages an open door policy among employees, managers and human resources, and makes use of the anecdotal information gathered through these communication, while being sensitive to personal and confidential information.

H4

Does the organization use specific strategies to promote the health & well-being of the employees responsible for the entity?

Yes

Select strategies used by the organization to address employee needs (e.g., opportunities identified in Indicator 3), select all that apply and indicate applicable phases of implementation or percentage of employees covered:

Design and operations strategies

Acoustic comfort (e.g. sound-reducing surfaces)

Implementation phase (select all that apply):

New construction and major renovations

Fit-out/refurbishment

Operation of existing buildings

Indoor air quality (e.g. green cleaning, low-emitting materials)

Implementation phase (select all that apply):

New construction and major renovations

Fit-out/refurbishment

Operation of existing buildings

Outdoor air quality (e.g. pollution prevention during construction)

Implementation phase (select all that apply):

New construction and major renovations

Fit-out/refurbishment

Operation of existing buildings

Lighting controls and/or access to daylight

Implementation phase (select all that apply):

New construction and major renovations

Fit-out/refurbishment

Operation of existing buildings

Thermal comfort (e.g. personal control)

Implementation phase (select all that apply):

New construction and major renovations

Fit-out/refurbishment

Operation of existing buildings

Toxic exposures (e.g., materials, paints, sealants, finishes)

Implementation phase (select all that apply):

New construction and major renovations

Fit-out/refurbishment

Operation of existing buildings

Water quality (e.g. Water filtration system)

Implementation phase (select all that apply):

New construction and major renovations

Fit-out/refurbishment

Operation of existing buildings

Social interaction (e.g. café, break area)

Implementation phase (select all that apply):

New construction and major renovations

Fit-out/refurbishment

Operation of existing buildings

Ergonomic design (e.g., workplace evaluations)

Implementation phase (select all that apply):

New construction and major renovations

Fit-out/refurbishment

Operation of existing buildings

Biophilic design (e.g. access to views, connections to nature)

Implementation phase (select all that apply):

New construction and major renovations

Fit-out/refurbishment

Operation of existing buildings

Inclusive design (e.g. lactation room, universal design)

Implementation phase (select all that apply):

New construction and major renovations

Fit-out/refurbishment

Operation of existing buildings

Other

Access and opportunity strategies

Access to medical care (including access to preventive services)

Percentage of employees responsible for the entity covered by strategy

Access to mental health care

Percentage of employees responsible for the entity covered by strategy

Access to recreational opportunities (e.g., gym, trails)

Percentage of employees responsible for the entity covered by strategy

Access to opportunities for physical activity (e.g., active design)

Percentage of employees responsible for the entity covered by strategy

Access to healthy foods (e.g., proximity to healthy food options)

Percentage of employees responsible for the entity covered by strategy

Other

Programmatic strategies

Describe how these strategies and associated actions are typically prioritized

Ad hoc/opportunity

Information about the health and well-being needs of employees (e.g., Indicator 3)

Guidelines or standards

Other

No

Provide additional context for the answer provided (maximum 250 words)

Nearly half of Ventas's employees work in one of our two corporate offices in Chicago, IL and Louisville, KY. Both of these offices were fit-out to LEED standards, and our new Louisville office fit-out is targeting LEED Gold certification (LEED 2009 for Commercial Interiors). By utilizing LEED standards Ventas promotes all the health and wellness strategies identified above. Most of Ventas's remaining employees are property managers and building engineers in our Lillibridge Healthcare Services subsidiary, and work within our owned or managed medical office buildings, which may also include several of these health and wellness features.

H5

Does the organization monitor operational performance, such as determinants of health (health-related behaviors, environmental conditions), health outcomes, or other performance metrics, of employees responsible for this entity?

 Yes

Select the types of operational performance monitored (multiple answers possible)

 Indoor environmental quality metrics (e.g., CO2 concentration, daylight)

 Experience and opinions (e.g., surveys)

Percentage of employees covered

Typical frequency of monitoring

 Behavior (e.g., use of stairways, food choices, active transportation, use of gym facilities, utilization of preventive care)

 Job performance (e.g., productivity, absenteeism)

Percentage of employees covered

Typical frequency of monitoring

 Health and well-being outcomes (e.g., incidence of asthma)

Percentage of employees covered

Typical frequency of monitoring

 Other factors

[2016 Performance Reviews and 2017 Goal Setting .pdf](#)

Indicate where in the evidence the relevant information can be found

All (relates to monitoring job performance)

 Show investors

[EE Survey Results - Leadership Team 9.8.16 \(Questions Only\).pdf](#)

Indicate where in the evidence the relevant information can be found

All (questions from annual employee engagement survey)

 Show investors

[Ventas Health Claims Experience Report Q4 2016.pdf](#)

Indicate where in the evidence the relevant information can be found

All

 Show investors

[Medical Health Insurance Plan Monthly financial report 2016.pdf](#)

Indicate where in the evidence the relevant information can be found

All

 Show investors

 No

Provide additional context for the answer provided (maximum 250 words)

Our annual employee engagement survey process provides an opportunity for employees to express health and wellness needs and desires, including if they are satisfied with the current benefits program and what additional benefits they would like the company to consider offering. There is also an open text box for employees to provide any additional information they wish to share.

Job performance is monitored in various ways including annual reconciliations of Paid Time Off to ensure employees are not exceeding limits and annual performance reviews (including a mid-year review).

Health and well-being outcomes are assessed annually with our external health benefits consultant and health insurance provider. Employee health data is assessed to identify potential risks such as a rise in chronic illness, and ways Ventas can address.

Ventas uses the information gathered from these processes to make improvements to its employee health and wellness benefits. A telehealth service was added in 2017 in response to feedback from our employee engagement survey, which indicated that employees wanted convenient and quick access to 24/7 health advice. Another example is an increase to our orthodontics benefit in our dental plan based on feedback from employees who were hitting the annual limit.

H6

Does the entity understand the health & well-being-related needs of tenants of its real estate assets and/or customers for its services?

Yes

Select all items that describe the process used to understand the health and well-being-related needs of tenants and/or customers

The entity has a process to understand the health & well-being needs of its tenants and/or customers

The entity's process uses primary data to understand the health & well-being needs of its tenants and/or customers

The entity's process uses secondary data to understand the health & well-being needs of its tenants and/or customers

The entity uses anecdotal information or personal observations to understand health and well-being needs of its tenants and/or customers

Other

[2016\\_03\\_SHN\\_Wellness\\_Report.pdf](#)

Indicate where in the evidence the relevant information can be found

All

Show investors

[Atria\\_Senior\\_Living\\_Health\\_and\\_Wellness.pdf](#)

Indicate where in the evidence the relevant information can be found

All

Show investors

[Lillibridge\\_2016\\_Tenant\\_Satisfaction\\_Assessment.pdf](#)

Indicate where in the evidence the relevant information can be found

Medical office tenant survey questions; for health and wellness related items and open text boxes, see pages 1, 3, 7-8, 10-11

Show investors

No

Not applicable

Provide additional context for the answer provided (maximum 250 words)

Health and wellness needs are assessed through annual tenant and resident satisfaction surveys. Our medical office tenant survey includes questions on building amenities, handicap accessibility, building security, indoor air quality, and open text boxes where tenants can explain any issues or needs. Our Senior Housing operators typically conduct annual resident surveys which gather information on resident health and wellness. Our Senior Housing operators also conduct regular assessments (typically every 90 days) of residents' physical, emotional and functional status. Additional assessments are performed as needed, based on caregiver recommendations or a perceived change in condition. Many of Ventas's senior housing operators also collect health data on residents through electronic health records, which, combined with the regular assessments, allows operators to ensure that individual residents receive the appropriate level of health care services. Ventas's Senior Housing operators also obtain information on senior wellness needs from secondary data and research, such as the attached report on Wellness in Senior Living. This report includes information such as the type of fitness programs desired by seniors in their senior housing communities (see page 11). Our property managers and operators are in daily communication with our tenants and residents to gather anecdotal information that allows them to understand and respond to health and wellness needs.



H7

Does the entity use specific strategies to promote health & well-being through its real estate assets and services?

Yes

Select strategies used by the entity to address tenant and/or customer needs (e.g., opportunities identified in Indicator 6), select all that apply and indicate applicable phases of implementation or percentage of assets covered:

Design and operations strategies

Acoustic comfort (e.g. sound-reducing surfaces)

Implementation phase (select all that apply):

New construction and major renovations

Fit-out/refurbishment

Operation of existing buildings

Indoor air quality (e.g. green cleaning, low-emitting materials)

Implementation phase (select all that apply):

New construction and major renovations

Fit-out/refurbishment

Operation of existing buildings

Outdoor air quality (e.g. pollution prevention during construction)

Implementation phase (select all that apply):

New construction and major renovations

Fit-out/refurbishment

Operation of existing buildings

Lighting controls and/or access to daylight

Implementation phase (select all that apply):

New construction and major renovations

Fit-out/refurbishment

Operation of existing buildings

Thermal comfort (e.g. personal control)

Implementation phase (select all that apply):

New construction and major renovations

Fit-out/refurbishment

Operation of existing buildings

Toxic exposures (e.g., materials, paints, sealants, finishes)

Implementation phase (select all that apply):

New construction and major renovations

Fit-out/refurbishment

Operation of existing buildings

Water quality (e.g. Water filtration system)

Implementation phase (select all that apply):

New construction and major renovations

Fit-out/refurbishment

Operation of existing buildings

Social interaction (e.g. café, break area)

Implementation phase (select all that apply):

New construction and major renovations

Fit-out/refurbishment

Operation of existing buildings

Ergonomic design (e.g., workplace evaluations)

Biophilic design (e.g. access to views, connections to nature)

Implementation phase (select all that apply):

New construction and major renovations

Fit-out/refurbishment

Operation of existing buildings

Inclusive design (e.g. lactation room, universal design)

Other

Access and opportunity strategies

Access to medical care (including access to preventive services)

Percentage of assets

Access to mental health care

Percentage of assets

Access to recreational opportunities (e.g., gym, trails)

Access to opportunities for physical activity (e.g., active design)

Access to healthy foods (e.g., proximity to healthy food options)

Other

Programmatic strategies

Actions in surrounding neighborhood and community

Activities in areas surrounding assets (e.g., tree planting)

Percentage of assets

Activities in areas in the community (e.g., offering space for community activities such as farmers' markets, increasing access to health education)

Percentage of assets

Urban regeneration/redevelopment

Percentage of assets

Community development/revitalization

Percentage of assets

Other

Describe how these strategies and associated actions are typically prioritized

Ad hoc/opportunity

Information about the health and well-being needs of tenants and/or customers (e.g., Indicator 6)

Guidelines or standards

Other

No

Not applicable

Provide additional context for the answer provided (maximum 250 words)

Ventas's new development typically targets LEED certification; by utilizing LEED standards Ventas promotes all the health and wellness strategies selected above.

Our developments, particularly of senior housing and life science assets, actively engage with the local community and will provide space in the building for community events and activities.

H8

Does the entity monitor operational performance such as determinants of health, health-related behaviors, environmental conditions or other performance metrics of its real estate assets and services?

 Yes

Select the types of operational performance monitored (multiple answers possible):

 Indoor environmental quality metrics (e.g., CO2 concentration, daylight)

 Experience and opinions (e.g., surveys)

Percentage of portfolio covered

Frequency of monitoring

 Behavior (e.g., use of stairways, food choices, active transportation, use of gym facilities, utilization of preventive care)

Percentage of portfolio covered

Frequency of monitoring

 Social and economic determinants of health & well-being (e.g., access to green space, perception of safety)

 Other indicators

[Atria Senior Living\\_Health and Wellness.pdf](#)

Indicate where in the evidence the relevant information can be found

 Show investors

[Lillibridge 2016 Tenant Satisfaction Assessment.pdf](#)

Indicate where in the evidence the relevant information can be found

 Show investors

 No

Provide additional context for the answer provided (maximum 250 words)

As described in H6, Ventas's medical office tenants and residents in our seniors housing communities are typically surveyed annually for satisfaction, including health and wellness performance and needs. Our Senior Housing operators also conduct regular assessments (typically every 90 days) of residents' physical, emotional and functional status. Additional assessments are performed as needed, based on caregiver recommendations or a perceived change in condition. Many of Ventas's senior housing operators also collect health data on residents through electronic health records, which, combined with the regular assessments, allows operators to ensure that individual residents receive the appropriate level of health care services.

H9

Has the entity received third-party recognition or was the entity the focus of case studies for its health & well-being-related actions, performance, or achievements?

 Yes

Select all types of recognitions applicable (multiple answers possible).

Note: Health and well-being-related building certifications should be reported in the main assessment

 Awards, indicate the focus

 Promotion of health & well-being for employees responsible for the entity

Promotion of health & well-being through real estate assets and services

Other

Case studies, indicate the focus

Other

[Ventas\\_Brain Ball Recognition.pdf](#)

Indicate where in the evidence the relevant information can be found

All

Show investors

[Ventas\\_Father of the Year.pdf](#)

Indicate where in the evidence the relevant information can be found

All

Show investors

No

Provide additional context for the answer provided (maximum 250 words)

Ventas Chairman and CEO, Debra A. Cafaro was honored at the 2015 Alzheimer’s Association’s National Capital Area Chapter “Brain Ball” fundraiser. In conjunction with this honor, Ventas contributed \$100,000 to the Alzheimer’s Association. This support represents Ventas’s commitment to help find a cure for Alzheimer’s disease, which affects many individuals who receive care and live in the Company’s properties.

In 2017, Ventas EVP of Medical Property Operations, Todd Lillibridge was the recipient of the American Diabetes Association Father of the Year Award in Chicago. The Father of the Year Award recognizes men who have made their families a priority, while balancing demanding careers and being outstanding community leaders.

**H10**

Does the organization face financial risks or costs associated with health & well-being at the entity level?

Yes

Select options to describe the organization’s exposure to financial risks or costs associated with health and well-being.

The organization is exposed to health care costs or health & well-being related financial risks for employees

The organization has direct responsibility for employee health care costs

The organization has indirect responsibility for employee health care costs, such as paying health insurance premiums for employees (including insurance to supplement government programs)

Other

The organization is exposed to health care costs or health & well-being related financial risks for tenants and/or customers

The organization has direct exposure to health care-related costs or financial risks for tenants and/or customers

The organization has indirect exposure to health care-related costs or financial risks for tenants and/ or customers, such as insurance premiums

Other

No

Provide additional context for the answer provided (maximum 250 words)

Ventas has indirect responsibility for employee health care costs through the payment of health insurance premiums. Ventas does not directly provide any health care to

employees.

Ventas is directly exposed to health care costs in its senior housing operating assets, where healthcare services are provided to residents by the senior housing operator. These are operational costs that impact Ventas's income.

Ventas is indirectly exposed to health care costs of tenants because if tenants face higher healthcare costs in their business it could impact their cash flows and ability to pay rent to Ventas.

## SUPPLEMENTS

### Public Disclosure > Disclosure Methods

D1

Does the entity publicly disclose its sustainability performance via a stand-alone Sustainability Report?

Yes

Please disclose where the information can be found

Provide hyperlink

<http://www.ventasreit.com/sites/default/files/pdf/ventas-2016-cdp-final.pdf>

Indicate where the relevant information can be found

All

Provide hyperlink

<http://www.ventasreit.com/sites/default/files/pdf/ventas-2016-gresb-final.pdf>

Indicate where the relevant information can be found

All

Reporting year:

2015

Select the applicable reporting level

Entity

Group

No

D2.1

Does the entity publicly disclose its sustainability performance via a section in the Annual Report?

Yes

Please disclose where the information can be found

Provide hyperlink

[http://www.ventasreit.com/sites/default/files/Ventas\\_AR\\_2016\\_K3\\_2017-03-29.pdf](http://www.ventasreit.com/sites/default/files/Ventas_AR_2016_K3_2017-03-29.pdf)

Indicate where the relevant information can be found

See page 5 (pdf)/7 (document), bottom right section

Reporting year:

2015

Select the applicable reporting level

Entity

Group

No

## D2.2

Does the entity publicly disclose its sustainability performance via an Integrated Report?

Yes

Please disclose where the information can be found

Provide hyperlink

<http://www.ventasreit.com/sites/default/files/pdf/ventas-2016-cdp-final.pdf>

Indicate where the relevant information can be found

All

Provide hyperlink

<http://www.ventasreit.com/sites/default/files/pdf/ventas-2016-gresb-final.pdf>

Indicate where the relevant information can be found

All

Reporting year:

2015

Select the applicable reporting level

Entity

Group

No

## D3

Does the entity publicly disclose its sustainability performance via a dedicated section on the corporate website?

Yes

Please disclose where the information can be found

Provide hyperlink

<http://www.ventasreit.com/corporate-responsibility>

Indicate where the relevant information can be found

All

Provide hyperlink

<http://www.ventasreit.com/corporate-responsibility/sustainability>

Indicate where the relevant information can be found

All

Provide hyperlink

<http://www.ventasreit.com/corporate-responsibility/social-responsibility>

Indicate where the relevant information can be found

All

Provide hyperlink

<http://www.ventasreit.com/corporate-responsibility/corporate-governance>

Indicate where the relevant information can be found

All

Select the applicable reporting level

Entity

Group

No

SUPPLEMENTS

Public Disclosure > Governance of Sustainability

D4

Does the entity publicly disclose specific environmental objectives?

Yes

Please disclose where the information can be found

Provide hyperlink

<http://www.ventasreit.com/corporate-responsibility/sustainability>

Indicate where the relevant information can be found

Environmental objectives: See 'Reducing our Footprint' - long term energy, water and waste reduction targets  
Also, click on 'Learn more' buttons in the boxes for Certification, Greenhouse Gas Emissions, Retrocommissioning and Water Conservation.

No

D5

Does the entity publicly disclose specific social objectives?

Yes

Please disclose where the information can be found

Provide hyperlink

<http://www.ventasreit.com/corporate-responsibility/social-responsibility/our-communities>

Indicate where the relevant information can be found

See objectives under 'Marquee Partnerships,' Employee Initiated Giving,' and 'Community Engagement'

No

D6

Does the entity publicly disclose specific governance objectives?

Yes

Please disclose where the information can be found

Provide hyperlink

<http://www.ventasreit.com/corporate-responsibility/corporate-governance>

Indicate where the relevant information can be found

See sections: Fairness and Alignment; Accountability of Management and the Board of Director; and Transparency and Risk Management

No



D7

Does the entity publicly disclose information on a dedicated sustainability taskforce or team member that is responsible for the entity?

 Yes

Please disclose where the information can be found

Provide hyperlink

<http://www.ventasreit.com/corporate-responsibility/sustainability>

Indicate where the relevant information can be found

See box at bottom of page with contact info for Director of Sustainability.

 No

D8

Does the entity publicly disclose a policy/policies that address(es) environmental issues?

 Yes

Please disclose where the information can be found

Provide hyperlink

<http://www.ventasreit.com/corporate-responsibility/sustainability>

Indicate where the relevant information can be found

See text under 'Good for the Planet. Good for Investors.' and 'Reducing our Footprint.'  
Also, click on 'Learn more' buttons in the boxes for Certification, Greenhouse Gas Emissions, Retrocommissioning and Water Conservation. No

D9

Does the entity publicly disclose a policy/policies that address(es) social issues?

 Yes

Please disclose where the information can be found

Provide hyperlink

<http://www.ventasreit.com/corporate-responsibility/social-responsibility/our-people>

Indicate where the relevant information can be found

See text under 'A Diverse Organization', including link to the Ventas Global Code of Ethics & Business Conduct  
See text under 'Feedback'  
See text under 'Employee Issues'

Provide hyperlink

<http://www.ventasreit.com/corporate-responsibility/social-responsibility/our-communities/employee-initiated-giving>

Indicate where the relevant information can be found

All

Provide hyperlink

<http://www.ventasreit.com/corporate-responsibility/social-responsibility/our-communities/community-engagement>

Indicate where the relevant information can be found

All

 No

D10

Does the entity publicly disclose policy/policies that address(es) governance issues?

 Yes

Please disclose where the information can be found

Provide hyperlink

<http://www.ventasreit.com/corporate-responsibility/corporate-governance>

Indicate where the relevant information can be found

See items under 'Fairness and Alignment'  
 See links and text under 'Transparency and Risk Management'  
 See links and text under 'Political Contribution, Expenditure and Activity'

Provide hyperlink

<http://www.ventasreit.com/investor-relations/sec-filings>

Indicate where the relevant information can be found

Select 'Proxy Filings' from the Groupings Filter box, then click 'Search'  
 For the Ventas 2016 proxy, see the second item in the results, 'Official notification to shareholders of matters to be brought to a vote ["Proxy"]', Filing date 04/04/17, Form DEF 14A  
 The proxy contains several governance policies, including details of executive compensation policies and practices, throughout the document.

 No

D11

Does the entity publicly disclose long-term reduction targets of environmental resources?

 Yes

Please disclose where the information can be found

Provide hyperlink

<http://www.ventasreit.com/corporate-responsibility/sustainability>

Indicate where the relevant information can be found

Environmental objectives: See 'Reducing our Footprint' - long term energy, water and waste reduction targets

 No

## SUPPLEMENTS

## Public Disclosure › Implementation

D12

Does the entity publicly disclose ESG initiatives and/or case studies that relate to the entity?

 Yes

Please disclose where the information can be found

Provide hyperlink

<http://www.ventasreit.com/corporate-responsibility/sustainability>

Indicate where the relevant information can be found

Click on 'Learn more' buttons in the boxes for Certification, Greenhouse Gas Emissions, Retrocommissioning and Water Conservation.

 No

D13

Does the entity publicly disclose information on investments that obtained a Green building certification or energy rating?

 Yes

Please disclose where the information can be found

Provide hyperlink

<http://www.ventasreit.com/corporate-responsibility/sustainability>

Indicate where the relevant information can be found

Click on 'Learn more' buttons in the boxes for Certification and Greenhouse Gas Emissions.

 No Not applicable

## SUPPLEMENTS

## Public Disclosure &gt; Operational Performance

D14

Does the entity publicly disclose energy consumption data of its portfolio?

 Yes

Please disclose where the information can be found

Provide hyperlink

<http://www.ventasreit.com/sites/default/files/pdf/ventas-2016-gresb-final.pdf>

Indicate where the relevant information can be found

See pages 34-35, 39-41, 46-48,

 No

D15

Does the entity publicly disclose renewable energy data of its portfolio?

 Yes

Please disclose where the information can be found

Provide hyperlink

<http://www.ventasreit.com/sites/default/files/pdf/ventas-2016-gresb-final.pdf>

Indicate where the relevant information can be found

See pages 37, 42, 49, 76, 86

 No

D16

Does the entity publicly disclose GHG emissions data of its portfolio?

 Yes

Please disclose where the information can be found

Provide hyperlink

<http://www.ventasreit.com/sites/default/files/pdf/ventas-2016-gresb-final.pdf>

Indicate where the relevant information can be found

See pages 37-38, 42-43, 49-50

No

**D17**

Does the entity publicly disclose water consumption data of its portfolio?

Yes

Please disclose where the information can be found

Provide hyperlink

<http://www.ventasreit.com/sites/default/files/pdf/ventas-2016-gresb-final.pdf>

Indicate where the relevant information can be found

See pages 39, 44, 51

No

**D18**

Does the entity publicly disclose waste data of its portfolio?

Yes

Please disclose where the information can be found

Provide hyperlink

<http://www.ventasreit.com/sites/default/files/pdf/ventas-2016-gresb-final.pdf>

Indicate where the relevant information can be found

See pages 39, 46, 52

No

**SUPPLEMENTS**

**Public Disclosure > Stakeholder Engagement**

**D19**

Does the entity publicly disclose if it has undertaken an employee satisfaction survey during the last three years?

Yes

Please disclose where the information can be found

Provide hyperlink

<http://www.ventasreit.com/corporate-responsibility/social-responsibility/our-people>

Indicate where the relevant information can be found

See text under 'Feedback' section

No

D20

Does entity publicly disclose if it is involved in tenant engagement programs/initiatives?

 Yes

Please disclose where the information can be found

Provide hyperlink

<http://www.ventasreit.com/corporate-responsibility/sustainability>

Indicate where the relevant information can be found

Click on 'Learn more' buttons in the boxes for Greenhouse Gas Emissions, Retrocommissioning and Water Conservation.

Provide hyperlink

<http://www.ventasreit.com/sites/default/files/pdf/ventas-2016-gresb-final.pdf>

Indicate where the relevant information can be found

See page 62

 No

D21

Does the entity publicly disclose if it has undertaken a tenant satisfaction survey during the last three years?

 Yes

Please disclose where the information can be found

Provide hyperlink

<http://www.ventasreit.com/sites/default/files/pdf/ventas-2016-gresb-final.pdf>

Indicate where the relevant information can be found

See page 63

 No

D22

Does the entity publicly disclose if it has undertaken actions part of a community engagement program?

 Yes

Please disclose where the information can be found

Provide hyperlink

<http://www.ventasreit.com/corporate-responsibility/social-responsibility/our-communities/community-engagement>

Indicate where the relevant information can be found

All

 No

Thank you for reviewing the Public Disclosure information. By ticking this box you submit your GRESB Public Disclosure information and confirm that the data included is correct and complete. All listed property companies and REITs are encouraged to participate in the annual GRESB Real Estate Assessment, in addition to GRESB Public Disclosure.