

2022 AVALONBAY COMMUNITIES, INC.

# GREN BOND REPORT

As of December 31, 2022



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**AVA RINo** Denver, CO LEED GOLD

# REPORT OF INDEPENDENT **ACCOUNTANTS**

**AVALONBAY COMMUNITIES, INC.** \$400M, 1.900%, UNSECURED NOTES DUE **DECEMBER 2028** 





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Report of Independent Accountants

To the Management of AvalonBay Communities, Inc.

We have examined management's assertion on Use of Bond Proceeds for the \$400M, 1.900%, Unsecured Notes due December 2028, that the amount equal to the net proceeds from the issuance of the 1.900% notes due 2028 issued by AvalonBay Communities. Inc. (the "Company") was fully allocated, during the period from November 9, 2021 through December 31, 2022 (the "Reporting Period"), to the expenditures incurred during the period from December 1, 2018 to December 31, 2022 for qualifying Eligible Green Projects (as defined in the "Use of Proceeds" section of the Prospectus Supplement dated November 8, 2021) based on the Eligible Green Projects criteria set forth in Management's Assertion on Use of Bond Proceeds for the \$400M, 1,900% Unsecured Notes due December 2028 (the "Criteria"). Management of the Company is responsible for the assertion, having a reasonable basis for its assertion, selection of the Criteria and the allocation, during the Reporting Period, of amounts to projects that meet the Criteria. Our responsibility is to express an opinion on the assertion based on our examination.

Our examination was conducted in accordance with attestation standards established by the American Institute of Certified Public Accountants ("AICPA"). Those standards require that we plan and perform the examination to obtain reasonable assurance about whether management's assertion is fairly stated, in all material respects. An examination involves performing procedures to obtain evidence about management's assertion. The nature, timing, and extent of the procedures selected depend on our judgment, including an assessment of the risks of material misstatement of management's assertion, whether due to fraud or error. We believe that the evidence we obtained is sufficient and appropriate to provide a reasonable basis for our opinion.

We are required to be independent of AvalonBay Communities. Inc. and to meet our other ethical responsibilities, as applicable for examination engagements set forth in the Preface: Applicable to All Members and Part 1 – Members in Public Practice of the Code of Professional Conduct established by the AICPA.

Our examination was not conducted for the purpose of evaluating (i) whether funds in excess of the net proceeds were allocated to Eligible Green Projects during the Reporting Period, (ii) the amount allocated to each category of Eligible Green Projects during the Reporting Period. (iii) the environmental benefits of the Eligible Green Projects, (iv) conformance of any Eligible Green Projects with any third-party published principles, standards or frameworks, such as the Green Bond Principles, dated June 2021, published by the International Capital Market Association or (v) any information included in the Company's report or on the Company's website, other than management's assertion. Accordingly, we do not express an opinion or any other form of assurance other than on management's assertion included in the Green Bond Report.

In our opinion, management's assertion, included herein, that the amount equal to the net proceeds from the issuance of 1.900% notes due 2028 was fully allocated during the Reporting Period to qualifying Eligible Green Projects, is fairly stated, in all material respects.

Ernst + Young LLP

August 28, 2023

# **MANAGEMENT'S** ASSERTION ON USE OF BOND PROCEEDS

#### **AVALONBAY COMMUNITIES, INC.** \$400M, 1.900%, UNSECURED NOTES **DUE DECEMBER 2028**

We, as members of management of AvalonBay Communities, Inc. (the "Company"), are responsible for whether the amount equal to net proceeds from the issuance of the 1.900% Senior Notes due 2028 issued by the Company was fully allocated, during the period from November 9, 2021 to December 31, 2022 (the "Reporting Period"), to the expenditures incurred during the period from December 1, 2018 to December 31, 2022 for the qualifying Eligible Green Projects (as defined in the "Use of proceeds" section of the Prospectus Supplement dated November 8, 2021) based on the Eligible Green Projects criteria set forth below (the "Criteria"). Management of the Company is also responsible for the assertion, selection of the Criteria and the allocation, during the Reporting Period, of amounts to projects that meet the Criteria.

We assert that the amount equal to the net proceeds from the issuance of 1.900% Senior Notes due 2028 issued by the Company was fully allocated, during the Reporting Period, to the expenditures incurred during the period from December 1, 2018, to December 31, 2022, for the qualifying Eligible Green Projects that meet the Criteria.

#### **ELIGIBLE GREEN PROJECTS**

"Eligible Green Projects" (as defined in the "Use of Proceeds" section of the Prospectus Supplement dated November 8, 2021) means projects on which expenditures are made by the Company or any of its subsidiaries beginning with the issuance of the notes or in the 36 months prior to any such issuance, that meet the below criteria:

CATEGORY	ELIGIBLE GREEN PROJECTS AND EXAMPLES				
	Expenditures related to real estate projects that have received or are expected to receive third-party sustainable certifications or verification, such as:  LEED¹ Silver, Gold or Platinum,  ENERGY STAR rating of 75 or higher,				
Green Buildings	BREEAM <sup>2</sup> Good, Very Good, Excellent or Outstanding, or				
	Equivalent certification.				
	Expenditures may include acquisitions, design, development, construction, materials, equipment, certification costs, and attributable capitalized interest costs.				
Energy Efficiency	Expenditures related to design, construction, operation, and maintenance of energy-efficient residences and infrastructure including efficient heating, ventilation, and air conditioning (HVAC), roofs, energy management systems and light emitting diode (LED) lighting that are at least 15% more efficient.				
Renewable Energy	Expenditures related to the construction, development, acquisition, maintenance, and operation of renewable energy projects that are long-term and new to the grid, such as solar. Projects may include, but are not limited to:  Power purchase agreements (PPAs) and virtual PPAs that are long term (i.e., 5 years or more) and tied to third-party renewable projects.				
	On-site renewable energy projects and storage installations.				
Sustainable Water and Wastewater Management	Expenditures related to increased water-use efficiency. Projects may include, but are not limited to:  Weather-based irrigation systems, and  Water fixture upgrades.				
Waste Management	Expenditures related to reduced waste generation through prevention, reduction, recycling, and reuse.				

constitutes a "green building," (iii) enhance environmental awareness among architects and building contractors, and (iv) encourage the design and construction of energy-efficient, water-conserving buildings that use sustainable or green resources and materials

# **GREEN BOND PROCEEDS ALLOCATION**

**AVALONBAY COMMUNITIES, INC.** \$400M, 1.900%, UNSECURED NOTES DUE **DECEMBER 2028** 

Through December 31, 2022



#### **ISSUANCE OF GREEN BONDS**

	ISSUANCE DATE	NET PROCEEDS
AvalonBay Communities, Inc. \$400M, 1.900%, Unsecured Notes due December 2028	November 18, 2021	\$396,976,000¹

#### **ALLOCATION TO ELIGIBLE GREEN PROJECTS**

CATEGORY	PROPERTY/ Development	LOCATION	CERTIFICATION	ELIGIBLE Project cost	ALLOCATION TO 2028 NOTES <sup>3</sup>
Green Buildings	Avalon Piscataway <sup>2</sup>	Piscataway, NJ	LEED Silver	\$17,463,600	\$8,642,705
Green Buildings	Avalon Teaneck	Teaneck, NJ	LEED Gold	\$32,348,054	\$32,348,054
Green Buildings	Avalon Boonton	Boonton, NJ	LEED Silver	\$24,573,883	\$24,573,883
Green Buildings	AVA RiNo	Denver, CO	LEED Gold	\$86,578,315	\$86,578,315
Green Buildings	Avalon Alderwood Place <sup>4</sup>	Lynnwood, WA	LEED Gold	\$54,031,223	\$54,031,223
Green Buildings	Avalon Brea Place	Brea, CA	LEED Gold	\$210,199,558	\$174,164,195
Renewable Energy	(California, M	r energy projects in assachusetts, New ) and the District of	\$27,138,794	\$16,637,625	

Total Use of Proceeds: \$396,976,000

% Allocated: 100.0%

**Remaining Unallocated Green Bond Proceeds:** \$0

<sup>&</sup>lt;sup>5</sup> For further information on the Green Bond Framework and the use of proceeds, please see the AvalonBay Green Bond Framework.

# **COMMITMENT TO ENVIRONMENTAL**, **SOCIAL AND GOVERNANCE**

One way we create a better way to live is by integrating environmental, social and governance (ESG) considerations into the policies and practices we use to run our business. Here, we outline our 2022 progress on our science-based targets and other activities and programs developed to support sustainability at AvalonBay.

Source: The Company's 2022 Environmental, Social and Governance Report.

#### **SCIENCE-BASED TARGETS**

AvalonBay achieved a 43.6% reduction in scope 1 and 2 emissions target and a 13.9% reduction in scope 3 emissions reduction target (both since our baseline year of 2017). In 2022, we continued to advance our progress on scope 1 and 2 emissions reductions, expanded our onsite solar program, and focused on addressing our scope 3 emissions through understanding the impact of embodied carbon in our new developments and working on a plan to educate and engage our residents around their environmental footprint.

#### **SCOPE 1&2 GHG EMISSIONS PER SOUARE FOOT**

2030 GOAL: -53%

**CURRENT PROGRESS: -44% SINCE 2017 BASELINE YEAR** 

#### SCOPE 3 GHG EMISSIONS PER SOUARE FOOT

2030 GOAL: -47%

**CURRENT PROGRESS: -14% SINCE 2017 BASELINE YEAR** 

#### **INCLUSION & DIVERSITY VISION**

In 2020 we set a vision to increase the diversity of our leadership team<sup>1</sup> specifically to:

 Increase the representation of women in leadership from
 Increase under-represented communities<sup>3</sup> our 2020 level of 35% to a level at parity<sup>2</sup> with the overall presence of women in the relevant workforce by 2025. In 2022, we increased by 1% to 38%.

in leadership from 15%4 to 20% by 2025 and to 25% by 2030. In 2022, we exceeded our 2025 goal by 1%.

#### WOMEN IN LEADERSHIP<sup>1</sup>

2025 VISION: 41%

**CURRENT PROGRESS: 38%** (+1% IN 2022)

#### PEOPLE OF COLOR IN LEADERSHIP<sup>1</sup>

2025 VISION:

**CURRENT PROGRESS: 21%** (+4% IN 2022)

#### **ESG AWARDS & RECOGNITION**

- GRESB Global & Regional Sector Leader
- CDP "A-" Climate Change Score
- Human Rights Campaign - Best Place to Work for LGBTQ+ Equality
- Associated Builders and Contractors - National Inclusion, Diversity and Equity Excellence Award
- Washington Post Best Places to Work 2022
- Nareit's 2022 Residential Leader in the Light Award

- Newsweek America's Most Responsible Companies 2022
- 3BL Media's global list of 100 Best Corporate Citizens
- MSCI "A" ESG Rating
- ISS ESG Corporate Rating "Prime" Status
- Ranked #36 (out of 100) Engineering News Record's Top 100 Green Contractors
- Ranked #10 (out of 50) World Benchmark Alliance 2023 Buildings Benchmark











<sup>&</sup>lt;sup>1</sup> Defined as Director-level associates and above.

<sup>&</sup>lt;sup>2</sup> Parity is defined as achieving a level within +/-2% of the available workforce (41% in 2020, when we set our baseline) as calculated using third-party resources by level, function and geography. Source: Derived using TalentNeuron (which uses Census NAICS industry codes, years of experience, education and 65K sources of data including Census, job boards, proprietary database and Gartner Insights).

<sup>&</sup>lt;sup>3</sup> Under-represented communities is defined as people of color or the EEO "Ethnicity" categories of Asian, African American, Hispanic and Multi-Ethnic.

<sup>4 15%</sup> is the baseline, set in 2020

### **IMPACT METRICS**

### **GREEN CERTIFICATIONS**

#### **AVALONBAY TOTAL**

#### ALLOCATED GREEN ELIGIBLE PROJECTS (2028 BOND) ALLOCATED GREEN ELIGIBLE TOTAL'

	COMMUNITIES WITH GREEN BUILDING CERTIFICATIONS	NUMBER OF Buildings Certified	RESIDENTIAL SQ. FT. CERTIFIED	% OF AVB Residential Sq. ft. Certified	COMMUNITIES WITH GREEN BUILDING CERTIFICATIONS	NUMBER OF Buildings Certified	RESIDENTIAL SQ. FT. Certified	% OF AVB Residential Sq. ft. Certified	COMMUNITIES With Green Building Certifications	NUMBER OF Buildings Certified	RESIDENTIAL SQ. FT. CERTIFIED	% OF AVB Residential Sq. ft. Certified
LEED	49	165	13,536,412	16.5%	4	19	1,302,100	1.6%	11	31	3,554,956	4.3%
Other Certifications <sup>2</sup>	14	57	4,098,047	5.0%	-	-	-	-	-	-	-	-
Total Certified (4Q22)	63	222	17,634,459	21.5%	4	19	1,302,100	1.6%	11	31	3,554,956	4.3%
Additional LEED	2	3	740,200	0.9%	2	3	740,200	0.9%	2	3	740,200	0.9%
Total Certified (2Q23)	65	225	18,374,659	22.4%	6	22	2,042,300	2.5%	13	34	4,295,156	5.2%

<sup>&</sup>lt;sup>1</sup> Includes Eligible Projects allocated to both the \$400M, 1.900% unsecured notes due December 2028 and the \$700M 2.050% unsecured notes due January 2032.

As of December 31, 2022, 63 communities had received one or more environmental certifications — while an additional 30 communities are currently pursuing certification for an estimated total of 93. AVA RiNo and Avalon Brea Place received LEED certifications in 2023.

#### **ENERGY STAR**

AVA Ballard **AVA Fort Greene** AVA Queen Anne Avalon Albemarle Avalon Easton II Avalon Norwood Avalon Saugus Avalon Statesman **Avalon Sudbury** Avalon Woburn Residences Hingham Shipyard

#### FITWEL (1 STAR)

AVA NoMa Avalon First and M

#### **LEED FOR HOMES** CERTIFIED

Avalon Alderwood I

#### **LEED FOR HOMES SILVER**

AVA Esterra Park AVA Wheaton Avalon Alderwood II Avalon Baker Ranch Avalon Boonton Avalon Chino Hills Avalon Dublin Station II Avalon Irvine II

Avalon Maplewood **Avalon Morrison Park** Avalon Newcastle I

Avalon Piscataway

Avalon Vista

Avalon Walnut Creek II

#### **LEED FOR HOMES GOLD**

**AVA** Hollywood **AVA Little Tokyo** AVA North Hollywood AVA RiNo Avalon Alderwood Place Avalon Brea Place Avalon Dogpatch Avalon Edgewater II

Avalon Glendora

Avalon Huntington Beach

Avalon Irvine III Avalon Ocean Avenue

Avalon Princeton

Avalon Public Market

**Avalon Teaneck** Avalon West Hollywood

**LEED FOR HOMES PLATINUM** 

Avalon Hayes Valley

#### **LEED NC CERTIFIED**

AVA Ballard **AVA Capitol Hill** Avalon Esterra Park Avalon Mission Bay III Avalon Walnut Creek

#### **LEED NC SILVER**

AVA DoBro **AVA North Point** AVA Queen Anne **AVA Theater District** Avalon 555 President **Avalon Belltown Towers** Avalon North Station Avalon Potomac Yard **Avalon Towers Bellevue** Avalon Willoughby Square Park Loggia

#### LEED NC GOLD

AVA 55 Ninth **AVA High Line** Avalon West Chelsea

#### NAHB GREEN **CERTIFICATION BRONZE**

Avalon Rockville Centre

#### **NGBS SILVER**

Avalon Denver West Avalon Towson

<sup>&</sup>lt;sup>2</sup> Other Certifications include ENERGY STAR, NGBS, Fitwel, and NAHB

### **PROJECT PROFILES**



#### **AVALON PISCATAWAY**

Piscataway, NJ

**LEED Certification** 

**LEED for Homes Silver** 

**Total Project Cost** 

\$90.8 Million

**LEED Score Card Total** 

% Funded by Green Bonds

10%

#### **AVALON TEANECK**

Teaneck, NJ

**LEED Certification** 

LEED for Homes Gold

**LEED Score Card Total** 

75

**Total Project Cost** 

\$72.9 Million

% Funded by Green Bonds

44%

#### **AVALON BOONTON**

**Boonton, NJ** 

**LEED Certification** 

**Total Project Cost** 

\$93.9 Million

LEED for Homes Silver

**LEED Score Card Total** 

69

% Funded by Green Bonds

26%

### **PROJECT PROFILES**





#### **AVA RINO**

**Denver, CO** 

**LEED Certification** 

LEED for Homes Gold

**Total Project Cost** 

\$86.6 Million

**LEED Score Card Total** 

68

% Funded by Green Bonds

100%

#### **AVALON ALDERWOOD PLACE**

Lynwood, WA

**LEED Certification** 

LEED for Homes Gold

**LEED Score Card Total** 

60

Total Project Cost<sup>1</sup>

\$54.3 Million

% Funded by Green Bonds

99%

Brea, CA

**LEED Certification** 

**AVALON BREA PLACE** 

LEED for Homes Gold

**Total Project Cost** 

\$291.1 Million

**LEED Score Card Total**<sup>2</sup>

62.5/61

% Funded by Green Bonds

60%

<sup>&</sup>lt;sup>1</sup> Total Project cost at 50% share.

<sup>&</sup>lt;sup>2</sup> Building A and B score cards totaled 62.5 and 61, respectively.

### **PROJECT PROFILES**

### **ON-SITE SOLAR**

Eligible Green Projects include 83 communities with on-site solar installations completed or in progress in four states (California, Massachusetts, New Jersey and Washington) and the District of Columbia.

**AVA** Burbank

Burbank, CA

**AVA Little Tokyo** Los Angeles, CA

**AVA Pasadena** 

Pasadena CA

AVA Pacific Beach

San Digeo, CA

**AVA Studio City I** Studio City, CA

**AVA Studio City II** 

Studio City, CA

**AVA Toluca Hills** 

Los Angeles, CA

**Avalon Baker Ranch** 

Lake Forest, CA

**Avalon Burbank** 

Burbank CA

Avalon at Cahill Park

San Jose, CA

**Avalon Calabasas** 

Calabasas, CA

**Avalon Campbell** Campbell, CA

**Avalon Dogpatch** 

San Francisco, CA

**Avalon Dublin Station** 

Dublin, CA

**Avalon Dublin Station II** 

Dublin, CA

Avalon Fremont

Fremont, CA

**Avalon Glendora** Glendora, CA

Monrovia, CA

**Avalon Monrovia** 

San Diego, CA

**Avalon La Jolla Colony** 

**Avalon Morrison Park** 

San Jose CA

Avalon Oak Creek Agoura Hills, CA

**Avalon on the Alameda** 

San Jose, CA

Avalon Pasadena

Pasadena, CA

**Avalon Public Market I** 

Emeravville, CA

**Avalon Simi Valley** 

Simi Valley, CA

**Avalon Studio City** 

Studio City. CA

Avalon Vista

Vista, CA

Avalon Walnut Ridge I

Walnut Creek, CA

**Avalon Walnut Ridge II** 

Walnut Creek CA

Avalon Willow Glen

San Jose, CA

**Avalon Wilshire** 

Los Angeles, CA

**Eaves Creekside** 

Mountain View, CA

**Eaves Daly City** 

Daly City, CA

**Eaves Dublin** Dublin, CA

**Eaves Fremont** 

Fremont, CA

**Eaves Foster City** 

Foster City, CA

**Eaves Lake Forest** 

Lake Forest, CA

Eaves La Mesa

La Mesa, CA

**Eaves Mission Ridge** 

San Diego, CA

**Eaves Mission Vieio** 

Mission Vieio, CA

**Eaves Mt. View at Middlefield** 

Mountain View, CA

**Eaves Old Town Pasadena** 

Pasadena, CA

**Eaves Pacifica** 

Pacifica, CA

**Eaves Pleasanton** 

Pleasanton, CA

**Eaves Rancho Pensaguitos** 

San Diego, CA

**Eaves San Jose** 

San Jose CA

**Eaves San Marcos** 

San Marcos, CA

**Eaves Seal Beach** 

Seal Beach, CA

**Eaves South Coast** Costa Mesa, CA

**Eaves Union City** 

Union City, CA

**Eaves Walnut Creek** 

Walnut Creek, CA

**Eaves Warner Center** 

Woodland Hills, CA

**Eaves West Valley** 

San Jose, CA

**Eaves Woodland Hills** Woodland Hills CA

Avalon Acton Acton MA

**Avalon at Lexington Hills** 

Lexington, MA

**Avalon at Newton Highlands** 

Newton, MA

**Avalon Bear Hill** 

Waltham MA

**Avalon Burlington** Burlington, MA

**Avalon at Chestnut Hill** Chestnut Hill, MA

**Avalon Cohasset** 

Cohasset, MA

**Avaion Mariborough** Marlborough, MA

**Avalon Natick** 

Natick MA

**Avalon Sudbury** 

Sudbury, MA

**Avalon Woburn** 

Woburn, MA

**Eaves Burlington** 

Burlington, MA

**Avalon Bloomfield Station** Bloomfield NI

**Avalon Bloomingdale** 

Bloomingdale, NJ

Avalon Boonton Boonton NI

Avalon at Florham Park

Florham Park, NJ

Avalon Maplewood Maplewood, NJ

**Avalon Old Bridge** 

Old Bridge, NJ

**Avalon Piscataway** Piscataway, NJ

Avalon Roseland

Roseland, NJ **Avalon Union** 

Union NI

**Avalon Wharton** 

Wharton, NJ

**AVA Van Ness** Washington, DC

Avalon at Foxhall

Washington, DC

**Avaion at Gallery Place** 

Washington, DC

Avalon First and M Washington, DC

**Avaion The Albemarie** 

Washington, DC

The Statesman

Washington, DC Avalon Newcastle Commons II

Newcastle, WA



#### **DISCLAIMER**

This report has been prepared for information purposes only. AvalonBay does not make any warranties or representations as to the completeness or reliability of the information, opinions or conclusions expressed herein. This report should not be construed and does not constitute an invitation, recommendation or offer to subscribe for or purchase any of AvalonBay's securities. Under no circumstances shall AvalonBay be liable for any loss, damage, liability or expense incurred or suffered which is claimed to have resulted from use of this report.

This report contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. Forward-looking statements in this report include, but are not limited to, the progress and impact of the Eligible Green Projects and our environmental, social and governance commitments and goals and our efforts to achieve those targets. These forward-looking statements, which you can identify by the Company's

use of words such as "expects," "plans," "estimates," "anticipates," "projects," "intends," "believes," "outlook," "may," "shall," "will," "pursue" and similar expressions that predict or indicate future events and trends and that do not report historical matters, are based on the Company's expectations, forecasts and assumptions at the time of this report, which may not be realized and involve risks and uncertainties that cannot be predicted accurately or that might not be anticipated. These factors, many of which are beyond our control and the effects of which can be difficult to predict, include our ability to gather and verify data regarding the Eligible Green Projects and environmental impacts, and that any report, assessment, opinion or certification of any third party with respect to the green bonds or any of the businesses and projects funded with the proceeds of the green bonds may be withdrawn or that we may not be in compliance with such report, assessment, opinion or certification. These could cause actual results, performance or achievements to differ materially from the anticipated future results, performance or achievements

expressed or implied by the forward-looking statements. Additional discussions of risks and uncertainties that could cause actual results to differ materially from those expressed or implied by the forward-looking statements appear in the Company's filings with the Securities and Exchange Commission, including the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2022, under the heading "Risk Factors" and under the heading "Management's Discussion and Analysis of Financial Condition and Results of Operations — Forward-Looking Statements" and in subsequent quarterly reports on Form 10-Q. The Company does not undertake a duty to update forward-looking statements other than as required by law.

Any commitments and goals discussed in this report are aspirational and may need to be changed or recalibrated as available data improve and as climate science and market practices regarding standards, methodologies, metrics and measurements evolve.

