### BLACKSTONE REAL ESTATE INCOME TRUST, INC. SUPPLEMENT NO. 3 DATED JUNE 15, 2020 TO THE PROSPECTUS DATED APRIL 21, 2020

This prospectus supplement ("Supplement") is part of and should be read in conjunction with the prospectus of Blackstone Real Estate Income Trust, Inc., dated April 21, 2020 (as supplemented to date, the "Prospectus"). Unless otherwise defined herein, capitalized terms used in this Supplement shall have the same meanings as in the Prospectus. References herein to the "Company," "we," "us," or "our" refer to Blackstone Real Estate Income Trust, Inc. and its subsidiaries unless the context specifically requires otherwise.

The purposes of this Supplement are as follows:

- to provide an update on BREIT's portfolio;
- to disclose the transaction price for each class of our common stock as of July 1, 2020;
- to disclose the calculation of our May 31, 2020 NAV per share for all share classes; and
- to provide an update on the status of our current public offering (the "Offering").

### Portfolio Update

Our thorough approach to valuations continues to take into account changes in the investment environment resulting from COVID-19.

For the month ended May 31, 2020, BREIT's Class S NAV per share increased \$0.10, from \$10.48 as of April 30, 2020 to \$10.58 as of May 31, 20201. This price movement was driven by (i) mark-to-market increases in our real estate debt portfolio as pricing across securities, including CMBS, continued to recover from significant declines in March and (ii) modest increases in the valuations of our industrial, multifamily and hospitality properties, reflecting continued demand for industrial assets given strong fundamentals driven by e-commerce, rent collections above expected levels, and hotel re-openings ahead of anticipated timing, respectively.

In addition, rent collections for our multifamily, industrial, net lease, retail, and office properties improved in May and were 2.0% lower compared to a typical month, versus 2.5% lower compared to a typical month as recorded during the same period in April. BREIT continues to maintain substantial liquidity (\$3.3 billion as of June 15, 2020) and modest leverage2 (49% loan-to-value as of May 31, 2020).

For more information on our Net Asset Value Calculation and Valuation Guidelines, please refer to page 179 of the prospectus. Please also see "Risk Factors—The current outbreak of the novel coronavirus, or COVID-19, has caused severe disruptions in the U.S. and global economy and has had an adverse impact on our performance and results of operations."

### July 1, 2020 Transaction Price

The transaction price for each share class of our common stock for subscriptions accepted as of July 1, 2020 (and repurchases as of June 30, 2020) is as follows:

	ction Price • share)
Class S	\$ 10.5798
Class I	\$ 10.5464
Class T	\$ 10.3947
Class D	\$ 10.4438

<sup>&</sup>lt;sup>1</sup> BREIT's Class I NAV per share increased from \$10.45 to \$10.55, BREIT's Class D NAV per share increased from \$10.35 to \$10.44 and BREIT's Class T NAV per share increased from \$10.30 to \$10.39.

<sup>2</sup> Our leverage ratio is measured by dividing (i) consolidated property-level and entity-level debt net of cash and loan-related restricted cash, by (ii) the asset value of real estate investments (measured using the greater of fair market value and cost) plus the equity in our settled real estate debt investments. Indebtedness incurred (i) in connection with funding a deposit in advance of the closing of an investment or (ii) as other working capital advances will not be included as part of the calculation above. The leverage ratio would be higher if the indebtedness on our real estate debt investments and the pro rata share of debt within our unconsolidated investments were taken into account.



The July 1 transaction price for each of our share classes is equal to such class's NAV per share as of May 31, 2020. A detailed calculation of the NAV per share is set forth below. The purchase price of our common stock for each share class equals the transaction price of such class, plus applicable upfront selling commissions and dealer manager fees. The repurchase price for each share class equals the transaction price of such class.

# May 31, 2020 NAV per Share

We calculate NAV per share in accordance with the valuation guidelines that have been approved by our board of directors. Our NAV per share, which is updated as of the last calendar day of each month, is posted on our website at *www.breit.com* and is made available on our toll-free, automated telephone line at (844) 702-1299. Please refer to "Net Asset Value Calculation and Valuation Guidelines" in the Prospectus for how our NAV is determined. The Adviser is ultimately responsible for determining our NAV. All our property investments are appraised annually by third party appraisal firms in accordance with our valuation guidelines and such appraisals are reviewed by our independent valuation advisor. Transactions or events have occurred since May 31, 2020 that could have a material impact on our NAV per share, upon which our transaction price is based. We have included a breakdown of the components of total NAV and NAV per share for May 31, 2020 along with the immediately preceding month.

Our total NAV presented in the following tables includes the NAV of our Class S, Class T, Class D, and Class I common stockholders, as well as partnership interests of BREIT Operating Partnership held by parties other than the Company. The following table provides a breakdown of the major components of our total NAV as of May 31, 2020 (\$ and shares in thousands):

Components of NAV	N	fay 31, 2020
Investments in real estate	\$	31,787,709
Investments in real estate debt		4,442,931
Investments in unconsolidated entities		859,815
Cash and cash equivalents		277,249
Restricted cash		404,837
Other assets		595,259
Mortgage notes, term loans, and revolving credit facilities, net		(17,925,907)
Secured financings on investments in real estate debt		(2,398,787)
Subscriptions received in advance		(121,118)
Other liabilities		(713,996)
Accrued performance participation allocation		_
Management fee payable		(17,762)
Accrued stockholder servicing fees (1)		(5,374)
Non-controlling interests in joint ventures		(235,874)
Net asset value	\$	16,948,982
Number of outstanding shares/units		1,606,725

(1) Stockholder servicing fees only apply to Class S, Class T and Class D shares. For purposes of NAV we recognize the stockholder servicing fee as a reduction of NAV on a monthly basis as such fee is paid. Under accounting principles generally accepted in the United States of America ("GAAP"), we accrue the full cost of the stockholder servicing fee as an offering cost at the time we sell Class S, Class T and Class D shares. As of May 31, 2020, the Company has accrued under GAAP \$558.1 million of stockholder servicing fees payable to the Dealer Manager related to the Class S, Class T and Class D shares sold. The Dealer Manager does not retain any of these fees, all of which are retained by, or reallowed (paid) to, participating broker-dealers.

The following table provides a breakdown of our total NAV and NAV per share/unit by class as of May 31, 2020 (\$ and shares/units in thousands, except per share/unit data):

	Class S		Class S Class I Class T		Class D	Third-party Operating Partnership		
NAV Per Share/Unit		Shares	 Shares	 Shares		Shares	 Units(1)	 Total
Net asset value	\$	6,637,237	\$ 8,561,116	\$ 457,618	\$	1,062,770	\$ 230,241	\$ 16,948,982
Number of outstanding shares/units		627,352	811,757	44,024		101,761	21,831	1,606,725
NAV Per Share/Unit as of May 31, 2020	\$	10.5798	\$ 10.5464	\$ 10.3947	\$	10.4438	\$ 10.5464	

(1) Includes the partnership interests of BREIT Operating Partnership held by BREIT Special Limited Partner, Class B unit holders, and other BREIT Operating Partnership interests held by parties other than the Company.

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Set forth below are the weighted averages of the key assumptions in the discounted cash flow methodology used in the May 31, 2020 valuations, based on property types. Once we own more than one office property we will include the key assumptions for such property type.

Property Type	Discount Rate	Exit Capitalization Rate
Multifamily(1)	7.5%	5.2%
Industrial	7.2%	5.7%
Net lease	7.6%	6.7%
Hotel	9.2%	9.4%
Retail	7.7%	6.1%
Other(2)	7.3%	6.8%

(1) Multifamily includes student housing and manufactured housing

(2) Other includes self-storage.

These assumptions are determined by the Adviser, and reviewed by our independent valuation advisor. A change in these assumptions would impact the calculation of the value of our property investments. For example, assuming all other factors remain unchanged, the changes listed below would result in the following effects on our investment values:

	Hypothetical	Multifamily Investment	Industrial Investment	Net lease Investment	Hotel Investment	Retail Investment	Other Investment
Input	Change	Values	Values	Values	Values	Values	Values
Discount Rate	0.25% decrease	+1.9%	+1.7%	+1.8%	+1.9%	+1.8%	+1.8%
(weighted average)	0.25% increase	(1.8%)	(2.1%)	(1.7%)	(1.9%)	(1.8%)	(1.7%)
Exit Capitalization Rate	0.25% decrease	+3.0%	+2.7%	+2.1%	+1.6%	+2.6%	+2.1%
(weighted average)	0.25% increase	(2.8%)	(3.0%)	(2.0%)	(1.5%)	(2.4%)	(1.9%)

Our total NAV presented in the following tables includes the NAV of our Class S, Class T, Class D, and Class I common stockholders, as well as the partnership interests of BREIT Operating Partnership held by BREIT Special Limited Partner and Class B unit holders. The following table provides a breakdown of the major components of our total NAV as of April 30, 2020 (\$ and shares in thousands):

Components of NAV	April 30, 2020
Investments in real estate	\$ 31,519,556
Investments in real estate debt	4,364,537
Investments in unconsolidated entities	862,163
Cash and cash equivalents	364,646
Restricted cash	448,122
Other assets	547,710
Mortgage notes, term loans, and revolving credit facilities, net	(17,928,569
Secured financings on investments in real estate debt	(2,417,098
Subscriptions received in advance	(147,594
Other liabilities	(699,694
Accrued performance participation allocation	_
Management fee payable	(17,454
Accrued stockholder servicing fees (1)	(5,089
Non-controlling interests in joint ventures	(236,183
Net asset value	\$ 16,655,053
Number of outstanding shares/units	1,593,533

(1) Stockholder servicing fees only apply to Class S, Class T and Class D shares. For purposes of NAV we recognize the stockholder servicing fee as a reduction of NAV on a monthly basis as such fee is paid. Under GAAP, we accrue the full cost of the stockholder servicing fee as an offering cost at the time we sell Class S, Class T and Class D shares. As of April 30, 2020, the Company has accrued under GAAP \$554.5 million of stockholder servicing fees payable to the Dealer Manager related to the Class S, Class T and Class D shares sold. The Dealer Manager does not retain any of these fees, all of which are retained by, or reallowed (paid) to, participating broker-dealers.

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The following table provides a breakdown of our total NAV and NAV per share/unit by class as of April 30, 2020 (\$ and shares/units in thousands, except per share/unit data):

					Third-party	
	Class S	Class I	Class T	Class D	Operating Partnership	
NAV Per Share/Unit	 Shares	 Shares	 Shares	 Shares	 Units(1)	 Total
Net asset value	\$ 6,483,218	\$ 8,448,593	\$ 460,017	\$ 1,035,520	\$ 227,705	\$ 16,655
Number of outstanding shares/units	618,483	808,533	44,663	100,063	21,791	1,593
NAV Per Share/Unit as of April 30, 2020	\$ 10.4825	\$ 10.4493	\$ 10.2997	\$ 10.3487	\$ 10.4493	

(1) Includes the partnership interests of BREIT Operating Partnership held by BREIT Special Limited Partnership, Class B unit holders, and other BREIT Operating Partnership interests held by parties other than the Company.

## Status of our Current Public Offering

We are currently offering on a continuous basis up to \$12.0 billion in shares of common stock, consisting of up to \$10.0 billion in shares in our primary offering and up to \$2.0 billion in shares pursuant to our distribution reinvestment plan. As of the date of this Supplement, we had issued and sold in the Offering (i) 686,687,416 shares of our common stock (consisting of 360,292,457 Class S Shares, 231,547,874 Class I Shares, 22,579,203 Class T Shares, and 72,267,882 Class D Shares) in the primary offering for total proceeds of \$7.7 billion and (ii) 34,948,604 shares of our common stock (consisting of 20,265,589 Class S Shares, 10,418,136 Class I Shares, 1,431,794 Class T Shares, and 2,833,085 Class D Shares) pursuant to our distribution reinvestment plan for a total value of \$0.4 billion. As of May 31, 2020, our aggregate NAV was \$16.9 billon. We intend to continue selling shares in the Offering on a monthly basis.

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