# UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

# **FORM 10-Q**

Quarterly report pursuant to Section	n 13 or 15(d) of the 8	Securities Exchange Act of 1934
For the Quarterly Period Ended: Ju	une 30, 2021	
☐ Transition report pursuant to Section	on 13 or 15(d) of the	Securities Exchange Act of 1934
Com	nmission File Numbe	r: 001-15891
NID		Τ
NR	G Energ	sy, inc.
(Exact nam	ne of registrant as spec	cified in its charter)
Delaware		41-1724239
(State or other jurisdiction of incorporation or organization)		(I.R.S. Employer Identification No.)
910 Louisiana Stro	eet Houston Texas	77002
(Address of prin	cipal executive office	s) (Zip Code)
	(713) 537-300	
` •	's telephone number, i	,
	gistered pursuant to Se	
Title of Each Class	Trading Symbol(s)	Name of Exchange on Which Registered
Common Stock, par value \$0.01	NRG	New York Stock Exchange
	ceding 12 months (or	eports required to be filed by Section 13 or 15(d) of the for such shorter period that the registrant was required to for the past 90 days.
	Yes 🗷 No 🛚	
	S-T (§232.405 of this	lectronically every Interactive Data File required to be s chapter) during the preceding 12 months (or for such
	Yes 🗷 No	
smaller reporting company or an emerging growt "smaller reporting company," and "emer	th company. See the c rging growth com	ated filer, an accelerated filer, a non-accelerated filer, a definitions of "large accelerated filer," "accelerated filer," pany" in Rule 12b-2 of the Exchange Act
		registrant has elected not to use the extended transition g standards provided pursuant to Section 13(a) of the
Indicate by check mark whether the registrar	nt is a shell company (	as defined in Rule 12b-2 of the Exchange Act).
	Yes □ No □	X
As of August 5, 2021, there were 244,7	76,881 shares of co	mmon stock outstanding, par value \$0.01 per share

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#### CAUTIONARY STATEMENT REGARDING FORWARD-LOOKING INFORMATION

This Quarterly Report on Form 10-Q of NRG Energy, Inc., or NRG or the Company, includes forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, or the Securities Act, and Section 21E of the Securities Exchange Act of 1934, as amended, or the Exchange Act. The words "believes," "projects," "anticipates," "plans," "expects," "intends," "estimates" and similar expressions are intended to identify forward-looking statements. These forward-looking statements involve known and unknown risks, uncertainties and other factors that may cause NRG's actual results, performance and achievements, or industry results, to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements. These factors, risks and uncertainties include the factors described under *Risk Factors*, in Part I, Item 1A of the Company's Annual Report on Form 10-K for the year ended December 31, 2020 and the following:

- Business uncertainties related to the acquisition of Direct Energy and NRG's ability to integrate the operations of Direct Energy with its own;
- NRG's inability to estimate with any degree of certainty the future impact that COVID-19, any resurgence of COVID-19, or other pandemic may have on NRG's results of operations, financial position, risk exposure and liquidity;
- NRG's ability to obtain and maintain retail market share;
- General economic conditions, changes in the wholesale power and gas markets and fluctuations in the cost of fuel;
- Volatile power and gas supply costs and demand for power and gas;
- Changes in law, including judicial and regulatory decisions;
- Hazards customary to the power production industry and power generation operations, such as fuel and electricity price
  volatility, unusual weather conditions, catastrophic weather-related or other damage to facilities, unscheduled generation
  outages, maintenance or repairs, unanticipated changes to fuel supply costs or availability due to higher demand,
  shortages, transportation problems or other developments, environmental incidents, or electric transmission or gas
  pipeline system constraints and the possibility that NRG may not have adequate insurance to cover losses as a result of
  such hazards;
- NRG's ability to successfully integrate, realize cost savings and manage any acquired businesses;
- NRG's ability to engage in successful sales and divestitures, as well as mergers and acquisitions activity;
- The effectiveness of NRG's risk management policies and procedures and the ability of NRG's counterparties to satisfy their financial commitments;
- Counterparties' collateral demands and other factors affecting NRG's liquidity position and financial condition;
- NRG's ability to operate its businesses efficiently and generate earnings and cash flows from its asset-based businesses in relation to its debt and other obligations;
- NRG's ability to enter into contracts to sell power or gas and procure fuel on acceptable terms and prices;
- The liquidity and competitiveness of wholesale markets for energy commodities;
- Government regulation, including changes in market rules, rates, tariffs and environmental laws;
- NRG's ability to develop and innovate new products, as retail and wholesale markets continue to change and evolve;
- Price mitigation strategies and other market structures employed by ISOs or RTOs that result in a failure to adequately and fairly compensate NRG's generation units;
- NRG's ability to mitigate forced outage risk for units subject to capacity performance requirements in PJM, performance incentives in ISO-NE, and scarcity pricing in ERCOT;
- NRG's ability to borrow funds and access capital markets, as well as NRG's substantial indebtedness and the possibility that NRG may incur additional indebtedness in the future;
- Operating and financial restrictions placed on NRG and its subsidiaries that are contained in NRG's corporate credit agreements, and in debt and other agreements of certain of NRG subsidiaries and project affiliates generally;
- Cyber terrorism and inadequate cybersecurity, data breaches or the occurrence of a catastrophic loss and the possibility that NRG may not have adequate insurance to cover losses resulting from such hazards or the inability of NRG's insurers to provide coverage;
- The ability of NRG and its counterparties to develop and build new power generation facilities;
- NRG's ability to implement its strategy of finding ways to meet the challenges of climate change, clean air and protecting natural resources, while taking advantage of business opportunities;
- NRG's ability to increase cash from operations through operational and market initiatives, corporate efficiencies, asset strategy, and a range of other programs throughout NRG to reduce costs or generate revenues;
- NRG's ability to successfully evaluate investments and achieve intended financial results in new business and growth initiatives;

• NRG's ability to develop and maintain successful partnering relationships as needed.

Forward-looking statements speak only as of the date they were made and NRG undertakes no obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events or otherwise. The foregoing factors that could cause NRG's actual results to differ materially from those contemplated in any forward-looking statements included in this Quarterly Report on Form 10-Q should not be construed as exhaustive.

#### **GLOSSARY OF TERMS**

When the following terms and abbreviations appear in the text of this report, they have the meanings indicated below:

2020 Form 10-K NRG's Annual Report on Form 10-K for the year ended December 31, 2020

ACE Affordable Clean Energy

AESO Alberta Electric System Operator

Agua Caliente Agua Caliente Solar Project, a 290 MW photovoltaic power station located in Yuma County,

Arizona in which NRG owned 35% interest

ARO Asset Retirement Obligation

ASC The FASB Accounting Standards Codification, which the FASB established as the source of

authoritative GAAP

ASU Accounting Standards Updates - updates to the ASC

Average realized power Volume-weighted average power prices, net of average fuel costs and reflecting the impact of

prices settled hedges

BTU British Thermal Unit

Business NRG Business, which serves business customers

CAA Clean Air Act

CAISO California Independent System Operator

CARES Act Coronavirus Aid, Relief, and Economic Security Act of 2020

CDD Cooling Degree Day

CFTC U.S. Commodity Futures Trading Commission

Centrica Centrica plc
CO<sub>2</sub> Carbon Dioxide

ComEd Commonwealth Edison
Company NRG Energy, Inc.

Convertible Senior Notes As of June 30, 2021, consists of NRG's \$575 million unsecured 2.75% Convertible Senior

Notes due 2048

Cottonwood Cottonwood Generating Station, a 1,153 MW natural gas-fueled plant

COVID-19 Coronavirus Disease 2019

CPP Clean Power Plan

CPUC California Public Utilities Commission

CWA Clean Water Act

D.C. Circuit U.S. Court of Appeals for the District of Columbia Circuit

Economic gross margin Sum of energy revenue, capacity revenue, retail revenue and other revenue, less cost of fuels

and other cost of sales

EGU Electric Generating Unit

EPA U.S. Environmental Protection Agency

ERCOT Electric Reliability Council of Texas, the Independent System Operator and the regional

reliability coordinator of the various electricity systems within Texas

ESPP NRG Energy, Inc. Amended and Restated Employee Stock Purchase Plan

Exchange Act The Securities Exchange Act of 1934, as amended

FASB Financial Accounting Standards Board FERC Federal Energy Regulatory Commission

FGD Flue gas desulfurization

FTRs Financial Transmission Rights

GAAP Generally accepted accounting principles in the U.S.

GHG Greenhouse Gas

Green Mountain Energy Green Mountain Energy Company

GW Gigawatts
GWh Gigawatt Hour
HDD Heating Degree Day

Heat Rate A measure of thermal efficiency computed by dividing the total BTU content of the fuel

burned by the resulting kWhs generated. Heat rates can be expressed as either gross or net heat rates, depending upon whether the electricity output measured is gross or net generation.

Heat rates are generally expressed as BTU per net kWh

Home NRG Home, which serves residential customers

HLW High-level radioactive waste ICE Intercontinental Exchange

IESO Independent Electricity System Operator

ISO Independent System Operator, also referred to as RTOs

ISO-NE ISO New England Inc.

Ivanpah Ivanpah Solar Electric Generation Station, a 393 MW solar thermal power plant located in

California's Mojave Desert in which NRG owns 54.5% interest

kWh Kilowatt-hour

LaGen Louisiana Generating, LLC

LTIPs Collectively, the NRG long-term incentive plan ("LTIP") and the NRG GenOn LTIP

MDth Thousand Dekatherms
Midwest Generation Midwest Generation, LLC

MISO Midcontinent Independent System Operator, Inc.

MMBtu Million British Thermal Units

MW Megawatts

MWh Saleable megawatt hour net of internal/parasitic load megawatt-hour

NAAQS National Ambient Air Quality Standards

NEPOOL New England Power Pool

NERC North American Electric Reliability Corporation

Net CONE Net cost of new entry

Net Exposure Counterparty credit exposure to NRG, net of collateral
Net Revenue Rate Sum of retail revenues less TDSP transportation charges

Nodal Exchange is a derivatives exchange

NOL Net Operating Loss NOx Nitrogen Oxides

NPNS Normal Purchase Normal Sale

NRC U.S. Nuclear Regulatory Commission

NRG Energy, Inc.

**Nuclear Decommissioning** 

Trust Fund

NRG's nuclear decommissioning trust fund assets, which are for the Company's portion of the

decommissioning of the STP, Units 1 & 2

Nuclear Waste Policy Act U.S. Nuclear Waste Policy Act of 1982 NYISO New York Independent System Operator

NYMEX New York Mercantile Exchange

NYPSC New York Public Service Commission
OCI/OCL Other Comprehensive Income/(Loss)
Petra Nova Parish Holdings, LLC

PJM PJM Interconnection, LLC

PM2.5 Particulate Matter that has a diameter of less than 2.5 micrometers

PPA Power Purchase Agreement

PUCT Public Utility Commission of Texas

RCRA Resource Conservation and Recovery Act of 1976

Receivables Facility NRG Receivables LLC, a bankruptcy remote, special purpose, wholly-owned indirect

subsidiary of the Company's \$750 million accounts receivables securitization facility

Receivables Securitization

**Facilities** 

Collectively, the Receivables Facility and the Repurchase Facility

Repurchase Facility NRG's \$75 million uncommitted repurchase facility related to the Receivables Facility

Revolving Credit Facility The Company's \$3.7 billion revolving credit facility due 2024, was amended on May 28,

2019 and August 20, 2020

RGGI Regional Greenhouse Gas Initiative

RTO Regional Transmission Organization, also referred to as ISOs

U.S. Securities and Exchange Commission **SEC** Securities Act The Securities Act of 1933, as amended

Senior Notes

As of June 30, 2021, NRG's \$5.3 billion outstanding unsecured senior notes consisting of \$1.0 billion of the 7.25% senior notes due 2026, \$1.2 billion of the 6.625% senior notes due 2027, \$821 million of 5.75% senior notes due 2028, \$733 million of the 5.25% senior notes due 2029, \$500 million of the 3.375% senior notes due 2029, and \$1.0 billion of the 3.625%

senior notes due 2031

Senior Secured First Lien

Notes

As of June 30, 2021, NRG's \$2.5 billion outstanding Senior Secured First Lien Notes consists of \$600 million of the 3.75% Senior Secured First Lien Notes due 2024, \$500 million of the 2.0% Senior Secured First Lien Notes due 2025, \$900 million of the 2.45% Senior Secured First Lien Notes due 2027, and \$500 million of the 4.45% Senior Secured First Lien Notes

due 2029

Services NRG Services, which primarily includes the services businesses acquired in the Direct

**Energy Acquisition** 

**SNF** Spent Nuclear Fuel  $SO_2$ Sulfur Dioxide

**SOFR** Secured overnight financing rate

NRG's South Central Portfolio, which owned and operated a portfolio of generation assets South Central Portfolio

consisting of Bayou Cove, Big Cajun-I, Big Cajun-II, Cottonwood and Sterlington, was sold

on February 4, 2019. NRG is leasing back the Cottonwood facility through May 2025

STP South Texas Project — nuclear generating facility located near Bay City, Texas in which

NRG owns a 44% interest

**STPNOC** South Texas Project Nuclear Operating Company

**TDSP** Transmission/distribution service provider

U.S. United States of America U.S. DOE U.S. Department of Energy

VaR Value at Risk

VIE Variable Interest Entity

Winter Storm Uri A major winter and ice storm that had widespread impacts across North America occurring in

February 2021

# PART I — FINANCIAL INFORMATION

# ITEM 1 — CONDENSED CONSOLIDATED FINANCIAL STATEMENTS AND NOTES

# NRG ENERGY, INC. AND SUBSIDIARIES CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS (Unaudited)

	Three months ended June 30,			Si	x months er	nded June 30,		
(In millions, except for per share amounts)	2021			2020		2021		2020
Operating Revenues								
Total operating revenues	\$ 5,2	43	\$	2,238	\$	13,334	\$	4,257
Operating Costs and Expenses								
Cost of operations	2,9	57		1,434		9,821		2,891
Depreciation and amortization		53		110		370		219
Impairment losses	3	06		_		306		_
Selling, general and administrative costs	3	80		186		638		377
Provision for credit losses		40		24		651		48
Acquisition-related transaction and integration costs		22				64		_
Total operating costs and expenses	3,6	86		1,754		11,850		3,535
Gain on sale of assets		_				17		6
Operating Income	1,5	57		484		1,501		728
Other Income/(Expense)								
Equity in earnings of unconsolidated affiliates		14		12		8		1
Impairment losses on investments		—		_		_		(18)
Other income, net		12		14		34		40
Interest expense	(1	25)		(96)		(252)		(193)
Total other expense		99)		(70)		(210)		(170)
Income Before Income Taxes	1,4	58		414		1,291		558
Income tax expense	3	80		101		295		124
Net Income	1,0	78		313		996		434
Income per Share								
Weighted average number of common shares outstanding — basic	2	45		245		245		246
Income per Weighted Average Common Share — Basic	\$ 4	.40	\$	1.28	\$	4.07	\$	1.76
Weighted average number of common shares outstanding — diluted	2	45		246		245		247
Income per Weighted Average Common Share — Diluted	\$ 4	.40	\$	1.27	\$	4.07	\$	1.76

# NRG ENERGY, INC. AND SUBSIDIARIES CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (Unaudited)

	1	Three months	ende	d June 30,		June 30,		
(In millions)		2021		2020		2021		2020
Net Income	\$	1,078	\$	313	\$	996	\$	434
Other Comprehensive Income/(Loss)								
Foreign currency translation adjustments		2		13		5		(2)
Defined benefit plans		19				19		
Other comprehensive income/(loss)		21		13		24		(2)
Comprehensive Income	\$	1,099	\$	326	\$	1,020	\$	432

# NRG ENERGY, INC. AND SUBSIDIARIES CONDENSED CONSOLIDATED BALANCE SHEETS

-	June 30, 2021	<b>December 31, 2020</b>
(In millions, except share data)	(Unaudited)	(Audited)
ASSETS		
Current Assets	ф 2 <i>C</i> 1	e 2.00
Cash and cash equivalents		\$ 3,90
Funds deposited by counterparties	533	1
Restricted cash	15	00
Accounts receivable, net	2,822	90-
Inventory	365	32
Derivative instruments	3,975	56
Cash collateral paid in support of energy risk management activities	80	5
Prepayments and other current assets	473	25
Total current assets	8,624	6,02
Property, plant and equipment, net	2,016	2,54
Other Assets		
Equity investments in affiliates	164	34
Operating lease right-of-use assets, net	307	30
Goodwill	1,793	57
Intangible assets, net	2,921	66
Nuclear decommissioning trust fund	957	89
Derivative instruments	1,724	26
Deferred income taxes	2,499	3,06
Other non-current assets	614	21
Total other assets	10,979	6,32
Total Assets	\$ 21,619	\$ 14,90
LIABILITIES AND STOCKHOLDERS' EQUITY		
Current Liabilities		
Current portion of long-term debt and finance leases	79	
Current portion of operating lease liabilities		6
Accounts payable	2,166	64
Derivative instruments	2,849	49
Cash collateral received in support of energy risk management activities	533	1
Accrued expenses and other current liabilities	1,225	67
Total current liabilities	6,931	1,91
Other Liabilities	0.712	0.60
Long-term debt and finance leases	8,712	8,69
Non-current operating lease liabilities	272	27
Nuclear decommissioning reserve	312	30
Nuclear decommissioning trust liability	624	56
Derivative instruments	945	38
Deferred income taxes	64	1
Other non-current liabilities	1,215	1,06
Total other liabilities	12,144	11,30
Total Liabilities	19,075	13,22
Commitments and Contingencies		
Stockholders' Equity  Common stock; \$0.01 par value; 500,000,000 shares authorized; 423,541,425 and 423,057,848 shares issued and 244,775,477 and 244,231,933 shares outstanding at June 30, 2021 and December 31, 2020, representatively.	4	
respectively  Additional paid in conital	2 510	9.51
Additional paid-in-capital	8,519	8,51
Accumulated deficit  Treasury stock, at cost - 178,765,948 and 178,825,915 shares at June 30, 2021 and December 31, 2020,	(567)	(1,40
respectively	(5,230)	(5,23
		(20
Accumulated other comprehensive loss	(182)	(20)
Accumulated other comprehensive loss  Total Stockholders' Equity	(182) 2,544	1,680

# NRG ENERGY, INC. AND SUBSIDIARIES CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (Unaudited)

	Six months e	nded June 30,
(In millions)	2021	2020
Cash Flows from Operating Activities		
Net Income	\$ 996	\$ 434
Adjustments to reconcile net income to cash provided by operating activities:		
Distributions from and equity in earnings of unconsolidated affiliates	14	7
Depreciation and amortization	370	219
Accretion of asset retirement obligations	14	18
Provision for credit losses	651	48
Amortization of nuclear fuel	25	25
Amortization of financing costs and debt discounts	20	12
Loss on debt extinguishment, net	_	1
Amortization of in-the-money contracts, emissions allowances and retirements of RECs	108	33
Amortization of unearned equity compensation	10	12
Net gain on sale and disposal of assets	(25)	(15
Impairment losses	306	18
Changes in derivative instruments	(2,430)	(131
Changes in deferred income taxes and liability for uncertain tax benefits	257	116
Changes in collateral deposits in support of energy risk management activities	696	58
Changes in nuclear decommissioning trust liability	30	36
Changes in other working capital	(665)	(199
Cash provided by operating activities	377	692
Cash Flows from Investing Activities		
Payments for acquisitions of businesses, net of cash acquired	(3,521)	(5
Capital expenditures	(143)	(116
Net sales/(purchases) of emission allowances	1	(4
Investments in nuclear decommissioning trust fund securities	(253)	(257
Proceeds from the sale of nuclear decommissioning trust fund securities	226	220
Proceeds from sale of assets, net of cash disposed	198	15
Changes in investments in unconsolidated affiliates	_	2
Cash used by investing activities	(3,492)	(145
Cash Flows from Financing Activities	(-, - )	
Payments of dividends to common stockholders	(159)	(148
Payments for share repurchase activity	(9)	(229
Net receipts/(payments) from settlement of acquired derivatives that include financing elements	191	(5
Net proceeds/(repayments) of Revolving Credit Facility and Receivables Securitization Facilities	75	(83
Payments of debt issuance costs	(2)	(1
Proceeds from issuance of common stock	1	1
Repayments of long-term debt and finance leases	(4)	(61
Proceeds from issuance of long-term debt	(·) —	59
Purchase of and distributions to noncontrolling interests from subsidiaries	_	(2
Cash provided/(used) by financing activities	93	(469
Effect of exchange rate changes on cash and cash equivalents	1	(1
	1	(1
Net (Decrease)/Increase in Cash and Cash Equivalents, Funds Deposited by Counterparties and Restricted Cash	(3,021)	77
Cash and Cash Equivalents, Funds Deposited by Counterparties and Restricted Cash at Beginning of Period	3,930	385
	\$ 909	

# NRG ENERGY, INC. AND SUBSIDIARIES CONDENSED CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITY

(Unaudited)

(In millions)	Com Sto	ımon ock	P	ditional aid-In Capital	Ac	ccumulated Deficit	Treasury Stock				Total Stock- holders' Equity	
Balance at December 31, 2020	\$	4	\$	8,517	\$	(1,403)	\$	(5,232)	\$	(206)	\$	1,680
Net loss						(82)						(82)
Other comprehensive income										3		3
Equity-based awards activity, net(a)				(5)								(5)
Issuance of common stock				1								1
Common stock dividends and dividend equivalents declared <sup>(b)</sup>						(80)						(80)
Balance at March 31, 2021	\$	4	\$	8,513	\$	(1,565)	\$	(5,232)	\$	(203)	\$	1,517
Net income						1,078						1,078
Other comprehensive income										21		21
Shares reissuance for ESPP								2				2
Equity-based awards activity, net				6								6
Common stock dividends and dividend equivalents declared <sup>(b)</sup> .						(80)						(80)
Balance at June 30, 2021	\$	4	\$	8,519	\$	(567)	\$	(5,230)	\$	(182)	\$	2,544

(In millions)	(	Common Stock	I	lditional Paid-In Capital	A	Accumulated Deficit	Т	reasury Stock	Other Other Omprehensive Loss	ŀ	Total Stock- iolders' Equity
Balance at December 31, 2019	\$	4	\$	8,501	\$	(1,616)	\$	(5,039)	\$ (192)	\$	1,658
Net income						121					121
Other comprehensive loss									(15)		(15)
Repurchase of partners' equity interest in VIE				18							18
Share repurchases								(150)			(150)
Equity-based awards activity, net <sup>(a)</sup>				(21)							(21)
Common stock dividends and dividend equivalents declared <sup>(b)</sup>						(75)					(75)
Balance at March 31, 2020	\$	4	\$	8,498	\$	(1,570)	\$	(5,189)	\$ (207)	\$	1,536
Net income						313					313
Other comprehensive income									13		13
Shares reissuance for ESPP								2			2
Share repurchases								(47)			(47)
Equity-based awards activity, net				6							6
Issuance of common stock				1							1
Common stock dividends and dividend equivalents declared <sup>(b)</sup> .						(74)					(74)
Balance at June 30, 2020	\$	4	\$	8,505	\$	(1,331)	\$	(5,234)	\$ (194)	\$	1,750
	_		_								

<sup>(</sup>a) Includes \$(9) million and \$(27) million of equivalent shares purchased in lieu of tax withholding on equity compensation issuances for the quarters ended March 31, 2021 and 2020, respectively

<sup>(</sup>b) Dividends per common share were \$0.325 for the quarters ended June 30 and March 31, 2021 and \$0.30 for the quarters ended June 30 and March 31, 2020 See accompanying notes to condensed consolidated financial statements.

# NRG ENERGY, INC. AND SUBSIDIARIES NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS

(Unaudited)

#### Note 1 — Nature of Business and Basis of Presentation

#### General

NRG Energy, Inc., or NRG or the Company, is a consumer services company built on dynamic retail brands with diverse generation assets. NRG brings the power of energy to customers by producing and selling energy and related products and services, nation-wide in the U.S. and Canada in a manner that delivers value to all of NRG's stakeholders. The Company sells energy, services, and innovative, sustainable solutions and advisory services to approximately 6 million Home customers under the names NRG, Reliant, Direct Energy, Green Mountain Energy, Stream, and XOOM Energy, as well as other brand names owned by NRG, supported by approximately 23,000 MW of generation as of June 30, 2021.

On January 5, 2021, the Company acquired Direct Energy, which is a leading retail provider of electricity, natural gas, and home and business energy related products and services, as well as a participant in the wholesale gas and power markets, in the U.S. and Canada. Refer to Note 4, *Acquisitions and Dispositions*, for further discussion of the acquisition of Direct Energy. The acquired operations of Direct Energy are integrated into the existing NRG segment structure. Domestic customer and market operations are combined into the corresponding geographical segments of Texas, East and West/Services/Other. The East segment includes the deregulated customer and market operations of Canada. The West/Services/Other segment includes activity related to the regulated operations in Alberta, Canada and the services businesses.

The accompanying unaudited interim condensed consolidated financial statements have been prepared in accordance with the SEC's regulations for interim financial information and with the instructions to Form 10-Q. Accordingly, they do not include all of the information and notes required by generally accepted accounting principles for complete financial statements. The following notes should be read in conjunction with the accounting policies and other disclosures as set forth in the notes to the consolidated financial statements in the Company's 2020 Form 10-K. Interim results are not necessarily indicative of results for a full year.

In the opinion of management, the accompanying unaudited interim condensed consolidated financial statements contain all material adjustments consisting of normal and recurring accruals necessary to present fairly the Company's consolidated financial position as of June 30, 2021, and the results of operations, comprehensive income, cash flows and statements of stockholders' equity for the three and six months ended June 30, 2021 and 2020.

#### Use of Estimates

The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities at the date of the financial statements, disclosure of contingent assets and liabilities at the date of the financial statements, and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from these estimates.

#### Reclassifications

Certain prior year amounts have been reclassified for comparative purposes. The reclassifications did not affect consolidated results from operations, net assets or consolidated cash flows.

# Note 2 — Summary of Significant Accounting Policies

## Other Balance Sheet Information

The following table presents the accumulated depreciation included in property, plant and equipment, net and accumulated amortization included in intangible assets, net:

(In millions)	June 30, 2021	Dec	cember 31, 2020
Property, plant and equipment accumulated depreciation	\$ 1,433	\$	1,936
Intangible assets accumulated amortization	1,479		1,357

#### Credit Losses

On January 1, 2020, the Company adopted ASU No. 2016-13, Financial Instruments - Credit Losses (Topic 326): Measurement of Credit Losses on Financial Instruments, or ASU No. 2016-13, using the modified retrospective approach. Following the adoption of the new standard, the Company's process of estimating expected credit losses remains materially consistent with its historical practice.

Retail trade receivables are reported on the balance sheet net of the allowance for credit losses. The Company accrues a provision for current expected credit losses based on (i) estimates of uncollectible revenues by analyzing accounts receivable aging and current and reasonable forecasts of expected economic factors including, but not limited to, unemployment rates and weather-related events, (ii) historical collections and delinquencies, and (iii) counterparty credit ratings for commercial and industrial customers.

The following table represents the activity in the allowance for credit losses for the three and six months ended June 30, 2021:

	Three months ended June 30,					Six months ended June 30,					
(In millions)		2021		2020		2021		2020			
Beginning balance	\$	749	\$	39	\$	67	\$	43			
Acquired balance from Direct Energy		_				112					
Provision for credit losses		40		24		651		48			
Write-offs		(35)		(20)		(83)		(52)			
Recoveries collected		7		4		14		8			
Ending balance	\$	761	\$	47	\$	761	\$	47			

The increase in the provision for credit losses during the three months ended June 30, 2021, compared to the same period in 2020 was primarily due to the acquisition of Direct Energy. The increase in the provision for credit losses during the six months ended June 30, 2021, compared to the same period in 2020 was primarily due to the impacts of Winter Storm Uri on bilateral finance hedging risk of \$403 million, counterparty credit risk of \$120 million and ERCOT default shortfall payments of \$83 million.

#### Restricted Cash

The following table provides a reconciliation of cash and cash equivalents, restricted cash and funds deposited by counterparties reported within the consolidated balance sheets that sum to the total of the same such amounts shown in the statements of cash flows:

(In millions)	June 30, 2021	De	ecember 31, 2020
Cash and cash equivalents	\$ 361	\$	3,905
Funds deposited by counterparties	533		19
Restricted cash	15		6
Cash and cash equivalents, funds deposited by counterparties and restricted cash shown in the statement of cash flows	\$ 909	\$	3,930

Funds deposited by counterparties consist of cash held by the Company as a result of collateral posting obligations from its counterparties. Some amounts are segregated into separate accounts that are not contractually restricted but, based on the Company's intention, are not available for the payment of general corporate obligations. Depending on market fluctuations and the settlement of the underlying contracts, the Company will refund this collateral to the hedge counterparties pursuant to the terms and conditions of the underlying trades. Since collateral requirements fluctuate daily and the Company cannot predict if any collateral will be held for more than twelve months, the funds deposited by counterparties are classified as a current asset on the Company's balance sheet, with an offsetting liability for this cash collateral received within current liabilities.

Restricted cash consists primarily of funds held within the Company's projects that are restricted for specific uses.

### Recent Accounting Developments - Guidance Adopted in 2021

ASU 2019-12 — In December 2019, the FASB issued ASU No. 2019-12, *Income Taxes (Topic 740): Simplifying the Accounting for Income Taxes*, or ASU No. 2019-12, to simplify various aspects related to accounting for income taxes. The guidance in ASU 2019-12 amends the general principles in Topic 740 to eliminate certain exceptions for recognizing deferred taxes for investment, performing intraperiod allocation and calculating income taxes in interim periods. This ASU also includes guidance to reduce complexity in certain areas, including recognizing deferred taxes for tax goodwill and allocating taxes to members of a consolidated group. ASU 2019-12 is effective for fiscal years beginning after December 15, 2020, and interim periods within those fiscal years. The Company adopted the amendments effective January 1, 2021 using the prospective approach. The adoption did not have a material impact on the Company's results of operations, cash flows, or statement of financial position.

### Recent Accounting Developments - Guidance Not Yet Adopted

ASU 2020-06 — In August 2020, the FASB issued ASU No. 2020-06, Debt - Debt with Conversion and Other Options (Subtopic 470-20) and Derivatives and Hedging - Contracts in Entity's Own Equity (Subtopic 815-40), or ASU No. 2020-06. The guidance in ASU 2020-06 reduces the number of accounting models for convertible debt instruments and convertible preferred stock. In addition, ASU 2020-06 improves and amends the related earnings per share guidance. This standard is effective for fiscal years beginning after December 15, 2021, and interim periods within those fiscal years. Early adoption is permitted in fiscal years beginning after December 15, 2020, including interim periods within those fiscal years. The Company is currently in the process of assessing the impact of this guidance on the consolidated financial statements and disclosures.

#### **Note 3** — Revenue Recognition

## Performance Obligations

As of June 30, 2021, estimated future fixed fee performance obligations are \$317 million for the remaining six months of fiscal year 2021, and \$339 million, \$88 million, \$37 million and \$20 million for the fiscal years 2022, 2023, 2024 and 2025, respectively. Certain performance obligations relate to the fossil generating assets that are planned for sale to Generation Bridge, as further described in Note 4, *Acquisitions and Dispositions*. These performance obligations are for cleared auction MWs in the PJM, ISO-NE, NYISO and MISO capacity auctions and are subject to penalties for non-performance.

## Disaggregated Revenues

The following tables represent the Company's disaggregation of revenue from contracts with customers for the three and six months ended June 30, 2021 and 2020:

	Three months ended June 30, 2021									
(In millions)	Texas	East	West/Services/ Other	Corporate/ Eliminations	Total					
Retail revenue:										
Home <sup>(a)</sup>	\$ 1,376	\$ 476	\$ 422	\$ (1)	\$ 2,273					
Business	582	1,890	71		2,543					
Total retail revenue	1,958	2,366	493	(1)	4,816					
Energy revenue <sup>(b)</sup>	14	101	55	1	171					
Capacity revenue <sup>(b)</sup>	_	255	16	_	271					
Mark-to-market for economic hedging activities <sup>(c)</sup>	(3)	(46)	(26)	5	(70)					
Contract amortization	_	(8)	(8)	_	(16)					
Other revenue <sup>(b)</sup>	56	10	7	(2)	71					
Total operating revenue	2,025	2,678	537	3	5,243					
Less: Lease revenue	_	1	1	_	2					
Less: Realized and unrealized ASC 815 revenue	(2)	18	(31)	4	(11)					
Less: Contract amortization		8	8		16					
Total revenue from contracts with customers	\$ 2,027	\$ 2,651	\$ 559	\$ (1)	\$ 5,236					

<sup>(</sup>a) Home includes Services

<sup>(</sup>b) The following table represents the realized revenues related to derivative instruments that are accounted for under ASC 815 and included in the amounts above:

(In millions)	Tex	as	East	Wes	t/Services/ Other	Corporate/ Eliminations	Total
Energy revenue	\$	_	\$ 24	\$	(2)	\$ (1)	\$ 21
Capacity revenue		_	40		_	_	40
Other revenue		1	_		(3)	_	(2)

<sup>(</sup>c) Revenue relates entirely to unrealized gains and losses on derivative instruments accounted for under ASC 815

## Three months ended June 30, 2020

(In millions)	Texa	as	East	Services/ ther	Corpo Elimina		Total
Retail revenue:							
Home <sup>(a)</sup>	\$ 1	,273	\$ 270	\$ 21	\$	_	\$ 1,564
Business		248	20				268
Total retail revenue	1	,521	290	21		_	1,832
Energy revenue <sup>(b)</sup>		5	19	60		(1)	83
Capacity revenue <sup>(b)</sup>		_	179	16		_	195
Mark-to-market for economic hedging activities <sup>(c)</sup>		_	40	1		2	43
Other revenue <sup>(b)</sup>		52	17	17		(1)	85
Total operating revenue	1	,578	545	115		_	2,238
Less: Lease revenue			1	4			5
Less: Realized and unrealized ASC 815 revenue		7	85	16		1	109
Total revenue from contracts with customers	\$ 1	,571	\$ 459	\$ 95	\$	(1)	\$ 2,124

(a) Home includes Services

(b) The following table represents the realized revenues related to derivative instruments that are accounted for under ASC 815 and included in the amounts above:

(In millions)	Texas	East	Other	Corporate/ Eliminations	Total
Energy revenue	\$	\$ 2	\$ 10	\$ (1)	\$ 11
Capacity revenue	_	41	_	_	41
Other revenue	7	2	5	_	14

(c) Revenue relates entirely to unrealized gains and losses on derivative instruments accounted for under ASC 815

SIX m	ontns (	enaea	June	30, 2021	

(In millions)		Texas		East	We	st/Services/ Other	Corporate/ Eliminations	Total
Retail revenue:								
Home <sup>(a)</sup>	\$	2,709	\$	1,184	\$	854	\$ (1)	\$ 4,746
Business		1,363		4,725		144		6,232
Total retail revenue		4,072		5,909		998	(1)	10,978
Energy revenue <sup>(c)</sup>		299		227		125	2	653
Capacity revenue <sup>(c)</sup>		_		396		30	_	426
Mark-to-market for economic hedging activities <sup>(d)</sup>		(4)		(50)		(54)	6	(102)
Contract amortization		_		(8)		(8)	_	(16)
Other revenue <sup>(b)(c)</sup>		1,360		29		11	(5)	1,395
Total operating revenue		5,727		6,503		1,102	2	13,334
Less: Lease revenue		_		1		3	_	4
Less: Realized and unrealized ASC 815 revenue		91		117		(65)	6	149
Less: Contract amortization				8		8		 16
Total revenue from contracts with customers	\$	5,636	\$	6,377	\$	1,156	\$ (4)	\$ 13,165

(a) Home includes Services

(b) Other Revenue in Texas includes ancillary revenues of \$1.2 billion driven by high pricing during Winter Storm Uri

(c) The following table represents the realized revenues related to derivative instruments that are accounted for under ASC 815 and included in the amounts above:

(In millions)	Texas	East	West/Services/ Other	Corporate/ Eliminations	Total
Energy revenue	\$	\$ 84	\$ (6)	\$ 1	\$ 79
Capacity revenue	_	77	_	_	77
Other revenue	95	6	(5)	(1)	95

(d) Revenue relates entirely to unrealized gains and losses on derivative instruments accounted for under ASC 815

#### Six months ended June 30, 2020

(In millions)	Texas		East	West/Services/ Other	Corporate/ Eliminations	Total
Retail revenue:						
Home <sup>(a)</sup>	\$ 2,30	)5	\$ 599	\$ 39	\$ (1)	\$ 2,942
Business	50	08	43			551
Total retail revenue	2,81	3	642	39	(1)	3,493
Energy revenue <sup>(b)</sup>	1	0	64	135	(2)	207
Capacity revenue <sup>(b)</sup>	-	_	313	31	_	344
Mark-to-market for economic hedging activities <sup>(c)</sup>	-	_	20	16	3	39
Other revenue <sup>(b)</sup>	11	3	27	37	(3)	174
Total operating revenue	2,93	36	1,066	258	(3)	4,257
Less: Lease revenue	-	_	1	9	_	10
Less: Realized and unrealized ASC 815 revenue	1	4	124	60		198
Total revenue from contracts with customers	\$ 2,92	22	\$ 941	\$ 189	\$ (3)	\$ 4,049

<sup>(</sup>a) Home includes Services

<sup>(</sup>b) The following table represents the realized revenues related to derivative instruments that are accounted for under ASC 815 and included in the amounts above:

(In millions)	Texas	East	West/Services/ Other	Corporate/ Eliminations	Total
Energy revenue	\$	\$ 37	\$ 29	\$ (2)	\$ 64
Capacity revenue	_	65	_	_	65
Other revenue	14	2	15	(1)	30

<sup>(</sup>c) Revenue relates entirely to unrealized gains and losses on derivative instruments accounted for under ASC 815

#### **Contract Balances**

The following table reflects the contract assets and liabilities included in the Company's balance sheet as of June 30, 2021 and December 31, 2020:

(In millions)	June 30, 2021	Dece	ember 31, 2020
Deferred customer acquisition costs	\$ 120	\$	113
Accounts receivable, net - Contracts with customers	2,703		866
Accounts receivable, net - Derivative instruments	115		33
Accounts receivable, net - Affiliate	4		5
Total accounts receivable, net	\$ 2,822	\$	904
Unbilled revenues (included within Accounts receivable, net - Contracts with customers)	\$ 1,292	\$	393
Deferred revenues <sup>(a)</sup>	383		60

<sup>(</sup>a) Deferred revenues from contracts with customers for the six months ended June 30, 2021 and the year ended December 31, 2020 were approximately \$367 million and \$31 million, respectively

The revenue recognized from contracts with customers during the six months ended June 30, 2021 and 2020 relating to the deferred revenue balance at the beginning of each period was \$23 million and \$13 million, respectively. The revenue recognized from contracts with customers during the three months ended June 30, 2021 and 2020 relating to the deferred revenue balance at the beginning of each period was \$98 million and \$25 million, respectively. The change in deferred revenue balances during the three and six months ended June 30, 2021 and 2020 was primarily due to bill credits owed to certain C&I customers, a portion of which is long-term, as a result of power pricing during Winter Storm Uri and the timing difference of when consideration was received and when the performance obligation was transferred.

#### Note 4 — Acquisitions and Dispositions

#### Acquisitions

#### Direct Energy Acquisition

On January 5, 2021 (the "Acquisition Closing Date"), the Company acquired all of the issued and outstanding common shares of Direct Energy, a North American subsidiary of Centrica. Direct Energy is a leading retail provider of electricity, natural gas, and home and business energy related products and services in North America, with operations in all 50 U.S. states and 8 Canadian provinces. The acquisition increased NRG's retail portfolio by over 3 million customers and strengthens its integrated model. It also broadens the Company's presence in the Northeast and into states and locales where it did not previously operate, supporting NRG's objective to diversify its business.

The Company paid an aggregate purchase price of \$3.625 billion in cash and an initial purchase price adjustment of \$77 million. The Company funded the purchase price using a combination of \$715 million of cash on hand, \$166 million from a draw on its Revolving Credit Facility (of which \$107 million was used to fund acquisition costs and financing fees that are not included in the aggregate purchase price above), as well as approximately \$2.9 billion in secured and unsecured corporate debt issued in December 2020. The purchase price adjustment resulted in a reduction of \$3 million, which is in negotiation with Centrica. The Company expects to receive this payment from Centrica in 2021. The Company also increased its collective liquidity and collateral facilities by \$3.4 billion as of the Acquisition Closing Date to meet the additional liquidity requirements related to the acquisition, as detailed in the following table:

	(In millions)
Available on Acquisition Closing Date	
Revolving Credit Facility commitment increase	\$ 802
Revolving Credit Facility new tranche	273
Facility agreement in connection with the sale of pre-capitalized trust securities	874
Available as of December 31, 2020	
Credit default swap facility	150
Revolving accounts receivable financing facility	750
Repurchase facility	75
Bilateral letter of credit facilities	475
Total Increases to Liquidity and Collateral Facilities	\$ 3,399

For further discussion see Note 9, *Long-term Debt and Finance Leases*, and also Note 13, *Receivables Securitization and Repurchase Facility*, to the Company's 2020 Form 10-K.

Acquisition costs were \$1 million and \$23 million for the three and six months ended June 30, 2021, respectively, and are included in acquisition-related transaction and integration costs in the Company's consolidated statement of operations.

The acquisition has been recorded as a business combination under ASC 805 with identifiable assets acquired and liabilities assumed provisionally recorded at their estimated fair values on the acquisition date. The initial accounting for the business combination is not complete because the evaluation necessary to assess the fair value of certain net assets acquired and the amount of goodwill to be recognized is still in process. The provisional amounts are subject to revision until the evaluations are completed to the extent that additional information is obtained about the facts and circumstances that existed as of the Acquisition Closing Date.

The purchase price is provisionally allocated as follows:

	(In n	nillions)
Current Assets		
Cash and cash equivalents	\$	152
Funds deposited by counterparties		21
Restricted cash		9
Accounts receivable, net		1,802
Inventory		106
Derivative instruments		1,014
Cash collateral paid in support of energy risk management activities		233
Prepayments and other current assets		183
Total current assets	-	3,520
Property, plant and equipment, net		151
Other Assets		
Goodwill <sup>(a)</sup>		1,246
Intangible assets, net:		
Customer relationships		1,296
Customer and supply contracts		610
Trade names		323
Renewable energy credits		124
Total intangible assets, net		2,353
Derivative instruments		531
Other non-current assets		31
Total other assets		4,161
Total Assets	\$	7,832
Current Liabilities		
Accounts payable	\$	1,390
Derivative instruments		1,266
Cash collateral received in support of energy risk management activities		21
Accrued expenses and other current liabilities		442
Total current liabilities		3,119
Other Liabilities		
Derivative instruments		562
Deferred income taxes		339
Other non-current liabilities		113
Total other liabilities		1,014
Total Liabilities		4,133
Direct Energy Purchase Price	\$	3,699

<sup>(</sup>a) Goodwill arising from the acquisition is attributed to the value of the platform acquired and the synergies expected from combining the operations of Direct Energy with NRG's existing businesses. The allocation of goodwill to the Company's reportable segments is anticipated to be completed by the end of 2021. Goodwill expected to be deductible for tax purposes is \$337 million

#### Measurement Period Adjustments

The following measurement period adjustments were recognized during the quarter ended June 30, 2021:

(In millions)	Increase/(Decrease)
Assets	
Prepayments and other current assets	\$ 2
Property, plant and equipment, net	(27)
Goodwill	256
Intangible assets, net	(206)
Total increase in assets	25
Liabilities	
Accrued expenses and other current liabilities	2
Deferred income taxes	(94)
Other non-current liabilities	82
Total decrease in liabilities	(10)
Increase in net assets acquired	\$ 35

The measurement period adjustments to the provisional amounts are attributable primarily to refinement of the underlying assumptions used to estimate the fair value of assets acquired and liabilities assumed as more information is obtained about facts and circumstances that existed as of the Acquisition Closing Date.

Fair Value Measurement of Intangible Assets

The provisional fair values of intangible assets as of the Acquisition Closing Date were measured primarily based on significant inputs that are not observable in the market and thus represent a Level 2 and Level 3 measurements. Significant inputs were as follows:

Customer relationships — Customer relationships, reflective of Direct Energy's customer base, were valued using an excess earning method of the income approach. Under this approach, the Company estimated the present value of expected future cash flows resulting from existing customer relationships, considering attrition and charges for contributory assets (such as net working capital, fixed assets, workforce and trade names) utilized in the business, discounted at an independent power producer peer group's weighted average cost of capital. The customer relationships are amortized to depreciation and amortization.

Customer and supply contracts — The fair value of in-market and out-of-market customer and supply contracts were estimated based on contractual terms compared to market prices as of the Acquisition Closing Date. The majority of the contracts were valued using prices provided by external sources, primarily price quotations available through broker or overthe-counter and online exchanges. For contracts for which external sources or observable market quotes were not available, these values were based on valuation techniques including, but not limited to, internal models based on fundamental analysis of the market and extrapolation of the observable market data with similar characteristics. In addition, the Company applied a credit reserve to reflect credit risk, which is calculated based on published default probabilities. The customer and supply contracts are amortized to revenue and cost of operations, respectively.

Trade names — Trade names were valued using a "relief from royalty" method of the income approach. Under this approach, the fair value is estimated to be the present value of royalties saved because NRG owns the intangible asset and therefore does not have to pay a royalty for its use. The trade names are amortized to depreciation and amortization.

Renewable energy credits — Renewable energy credits were valued based on the market prices as of the Acquisition Closing Date. Renewable energy credits are retired, as required, for the applicable compliance period. They are expensed to cost of operations based on customer usage.

Fair Value Measurement of Derivative Assets and Liabilities

The fair values of derivatives assets and liabilities as of the Acquisition Closing Date were as follows:

			Fair	Valu	ie		
(In millions)	Total	L	evel 1	]	Level 2	L	evel 3
Derivatives assets	\$ 1,545	\$	155	\$	1,272	\$	118
Derivatives liabilities	\$ 1,828	\$	207	\$	1,489	\$	132

Refer to Note 5, Fair Value of Financial Instruments to this Form 10-Q and Note 5, Fair Value of Financial Instruments to the Company's 2020 Form 10-K for discussion on derivative fair value measurements.

Supplemental Information

For the three and six months ended June 30, 2021 Direct Energy contributed revenue and income before income taxes as follows:

(In millions)	e months ended une 30, 2021	 Six months ended June 30, 2021
Revenue	\$ 2,958	\$ 7,119
Income before income taxes	1.309	1.447

Pro forma comparative financial information for the Direct Energy acquisition has not been included for the three and six months ended June 30, 2021 and 2020, as the computation of such information is impracticable due to pre-acquisition financial statements for the reporting periods not being prepared in accordance with GAAP.

# **Dispositions**

On February 28, 2021, the Company entered into a definitive purchase agreement with Generation Bridge, an affiliate of ArcLight Capital Partners, to sell approximately 4,850 MW of fossil generating assets from its East and West regions of operations for total proceeds of \$760 million, subject to standard purchase price adjustments and certain other indemnifications. The purchase price adjustments will include a working capital deduction for cash flows generated of approximately \$11 million per month from the beginning of the year until the closing of the transaction, in lieu of cash flows generated during the year. As part of the transaction, NRG is entering into a tolling agreement for its 866 MW Arthur Kill plant in New York City through April 2025. The transaction is expected to close by the end of 2021 and is subject to various closing conditions, approvals and consents, including FERC and NYPSC. The transaction received approval under the Hart-Scott-Rodino Act.

As of June 30, 2021, the following is classified as held for sale in the Consolidated Balance Sheet:

	(In	millions) <sup>(a)</sup>
Current assets <sup>(b)</sup>	\$	50
Property, plant and equipment, net		390
Other non-current assets		3
Total non-current assets <sup>(c)</sup>		393
Total assets held for sale	\$	443
Current liabilities <sup>(d)</sup>		29
Non-current liabilities <sup>(e)</sup>		61
Total liabilities held for sale	\$	90

<sup>(</sup>a) Property, plant and equipment, net for the East and West/Services/Other segments was \$240 million and \$150 million, respectively. The remaining assets and liabilities were primarily in the East segment

On February 3, 2021, the Company closed on the sale of its 35% ownership in the Agua Caliente solar project to Clearway Energy, Inc. for \$202 million. NRG recognized a gain on the sale of \$17 million, including cash disposed of \$7 million.

The Company completed other asset sales for cash proceeds of \$3 million and \$15 million during the six months ended June 30, 2021 and 2020, respectively.

<sup>(</sup>b) Included in prepayments and other current assets in the Consolidated Balance Sheet

<sup>(</sup>c) Included in other non-current assets in the Consolidated Balance Sheet

<sup>(</sup>d) Included in accrued expenses and other current liabilities in the Consolidated Balance Sheet

<sup>(</sup>e) Included in other non-current liabilities in the Consolidated Balance Sheet

#### Note 5 — Fair Value of Financial Instruments

For cash and cash equivalents, funds deposited by counterparties, restricted cash, accounts and other receivables, accounts payable, and cash collateral paid and received in support of energy risk management activities, the carrying amounts approximate fair values because of the short-term maturity of those instruments and are classified as Level 1 within the fair value hierarchy.

The estimated carrying amounts and fair values of NRG's recorded financial instruments not carried at fair market value are as follows:

	June 3	0, 2021	December 3	31, 2020
(In millions)	Carrying Amoun	t Fair Value	Carrying Amount	Fair Value
Assets:				
Notes receivable	\$	2 \$ 2	\$ 2	\$ 2
Liabilities:				
Long-term debt, including current portion (a)	8,86	9,286	8,781	9,446

<sup>(</sup>a) Excludes deferred financing costs, which are recorded as a reduction to long-term debt in the Company's consolidated balance sheets

The fair value of the Company's publicly-traded long-term debt is based on quoted market prices and is classified as Level 2 within the fair value hierarchy. The estimated fair value of the borrowing under the Repurchase Facility approximates the carrying value because the interest rates vary with market interest rates, and is classified as Level 3 within the fair value hierarchy. The fair value of certain notes receivable of the Company is based on expected future cash flows discounted at market interest rate and is classified as Level 3 within the fair value hierarchy. The following table presents the level within the fair value hierarchy for long-term debt, including current portion, as of June 30, 2021 and December 31, 2020:

	June 3	0, 20	)21	Decembe	r 31,	2020
(In millions)	Level 2		Level 3	Level 2		Level 3
Long-term debt, including current portion	\$ 9,211	\$	75	\$ 9,446	\$	_

### Recurring Fair Value Measurements

Debt securities, equity securities, and trust fund investments, which are comprised of various U.S. debt and equity securities, and derivative assets and liabilities, are carried at fair market value.

The following tables present assets and liabilities measured and recorded at fair value on the Company's condensed consolidated balance sheets on a recurring basis and their level within the fair value hierarchy:

				June 3	30, 20	)21			
(In millions)		Total	]	Level 1	1	Level 2	L	evel 3	
Investments in securities (classified within other current and non- current assets)	\$	26	\$	10	\$	16	\$		
Nuclear trust fund investments:	•		,		•		,		
Cash and cash equivalents		20		20					
U.S. government and federal agency obligations		91		90		1			
Federal agency mortgage-backed securities		78		70		78			
				_					
Commercial mortgage-backed securities		44				44			
Corporate debt securities		122				122		_	
Equity securities		502		502					
Foreign government fixed income securities		6		1		5			
Other trust fund investments (classified within other non-current assets):									
U.S. government and federal agency obligations		1		1		_			
Derivative assets:									
Commodity contracts		5,699		843		3,944		912	
Measured using net asset value practical expedient:									
Equity securities — nuclear trust fund investments		94							
Equity securities (classified within other non-current assets)		8							
Total assets	\$	6,691	\$	1,467	\$	4,210	\$	912	
Derivative liabilities:		- ,		,	Ė	<del>, -</del>			
Foreign exchange contracts	\$	4	\$		\$	4	\$		
Commodity contracts		3,790		563		2,889		338	
Total liabilities	\$	3,794	\$	563	\$	2,893	\$	338	
				Decembe	r 31	2020			
(In millions)		Total	]	Level 1		Level 2	L	evel 3	
Investments in securities (classified within other current and non-									
,	\$	25	\$	10	\$	15	\$	—	
Nuclear trust fund investments:									
Cash and cash equivalents		23		23					
U.S. government and federal agency obligations		70 89		69		1			
Federal agency mortgage-backed securities  Commercial mortgage-backed securities		36		_		89 36		_	
Corporate debt securities		144				144		_	
Equity securities		434		434					
Foreign government fixed income securities		7		1		6			
Other trust fund investments (classified within other non-current assets):									
U.S. government and federal agency obligations		1		1		_			
Derivative assets:		-		•					
Commodity contracts		821		59		623		139	
Measured using net asset value practical expedient:									
Equity securities — nuclear trust fund investments		87							
Equity securities (classified within other non-current assets)		8							
Total assets	\$	1,745	\$	597	\$	914	\$	139	
Derivative liabilities:	¢.	004	ф	0.0	Ф	(42	Ф	1.5.5	
Commodity contracts  Total liabilities		884	<u>\$</u>	86	\$	643	<u>\$</u>	155	
Total liabilities	\$	884	<b>3</b>	86	\$	643	<b>D</b>	155	

The following table reconciles, for the three and six months ended June 30, 2021 and 2020, the beginning and ending balances for financial instruments that are recognized at fair value in the condensed consolidated financial statements, using significant unobservable inputs:

	Fair Value Measurem Unobservable I	nputs (Level 3)
	Three months ended June 30, 2021	Six months ended June 30, 2021
(In millions)	Derivatives <sup>(a)</sup>	Derivatives <sup>(a)</sup>
Beginning balance	\$ 159	\$ (16)
Contracts added from Direct Energy acquisition	_	(15)
Total gains realized/unrealized— included in earnings	182	362
Purchases	58	78
Transfers into Level 3 <sup>(b)</sup>	168	172
Transfers out of Level 3 <sup>(b)</sup>		(7)
Ending balance	\$ 574	\$ 574
Gains for the period included in earnings attributable to the change in unrealized gains or losses relating to assets or liabilities still held as of period end	\$ 275	\$ 421

- (a) Consists of derivative assets and liabilities, net
- (b) Transfers into/out of Level 3 are related to the availability of external broker quotes and are valued as of the end of the reporting period. All transfers in/out are with Level 2

Fair 			
		Six	months ended June 30, 2020
Deri	ivatives <sup>(a)</sup>		Derivatives <sup>(a)</sup>
\$	73	\$	38
	52		74
	8		16
	25		33
	(6)		(9)
\$	152	\$	152
\$	36	\$	27
	Three mor 30 Deri	Unobservable In  Three months ended June 30, 2020  Derivatives <sup>(a)</sup> \$ 73  52  8  25  (6)  \$ 152	30, 2020  Derivatives <sup>(a)</sup> \$ 73 \$ 52  8 25  (6)  \$ 152 \$

- (a) Consists of derivative assets and liabilities, net
- (b) Transfers into/out of Level 3 are related to the availability of external broker quotes and are valued as of the end of the reporting period. All transfers in/out are with Level 2

# Derivative Fair Value Measurements

A portion of NRG's contracts are exchange-traded contracts with readily available quoted market prices. A majority of NRG's contracts are non-exchange-traded contracts valued using prices provided by external sources, primarily price quotations available through brokers or over-the-counter and on-line exchanges. The remainder of the assets and liabilities represent contracts for which external sources or observable market quotes are not available. These contracts are valued based on various valuation techniques including, but not limited to, internal models based on a fundamental analysis of the market and extrapolation of the observable market data with similar characteristics. As of June 30, 2021, contracts valued with prices provided by models and other valuation techniques make up 16% of derivative assets and 9% of derivative liabilities.

NRG's significant positions classified as Level 3 include physical and financial natural gas and power contracts executed in illiquid markets, as well as FTRs. The significant unobservable inputs used in developing fair value include illiquid natural gas and power location pricing, which is derived as a basis to liquid locations. The basis spread is based on observable market data when available or derived from historic prices and forward market prices from similar observable markets when not available. For FTRs, NRG uses the most recent auction prices to derive the fair value.

The following tables quantify the significant unobservable inputs used in developing the fair value of the Company's Level 3 positions as of June 30, 2021 and December 31, 2020:

					June 30, 2021				
			Fair Value	e			In	put/Range	
(In millions)	Assets	L	iabilities	Valuation Technique	Significant Unobservable Input	Low		High	ighted erage
Natural Gas Contracts	\$ 8	\$	_	Discounted Cash Flow	Forward Market Price (per MMBtu)	\$ 3	\$	27	\$ 24
Power Contracts	876		319	Discounted Cash Flow	Forward Market Price (per MWh)	1		223	34
FTRs	28		19	Discounted Cash Flow	Auction Prices (per MWh)	(88)		755	_
	\$ 912	\$	338						

				]	December 31, 2020												
			Fair Value	9				In	put/Range								
(In millions)	Assets	Li	abilities	Valuation Technique	Significant Unobservable Input		Low		Low		Low		Low		High	Weighted Average	
Power Contracts	\$ 111	\$	143	Discounted Cash Flow	Forward Market Price (per MWh)	\$	10	\$	105	\$	21						
FTRs	28		12	Discounted Cash Flow	Auction Prices (per MWh)		(28)		43		0						
	\$ 139	\$	155														

The following table provides sensitivity of fair value measurements to increases/(decreases) in significant unobservable inputs as of June 30, 2021 and December 31, 2020:

Significant Unobservable Input	Position	Change In Input	Impact on Fair Value Measurement
Forward Market Price Natural Gas/Power	Buy	Increase/(Decrease)	Higher/(Lower)
Forward Market Price Natural Gas/Power	Sell	Increase/(Decrease)	Lower/(Higher)
FTR Prices	Buy	Increase/(Decrease)	Higher/(Lower)
FTR Prices	Sell	Increase/(Decrease)	Lower/(Higher)

The fair value of each contract is discounted using a risk-free interest rate. In addition, the Company applies a credit reserve to reflect credit risk, which is calculated based on published default probabilities. As of June 30, 2021, the credit reserve resulted in a \$7 million decrease primarily within cost of operations. As of December 31, 2020, the credit reserve resulted in a \$2 million increase primarily within cost of operations.

#### Concentration of Credit Risk

In addition to the credit risk discussion as disclosed in Note 2, Summary of Significant Accounting Policies, to the Company's 2020 Form 10-K, the following is a discussion of the concentration of credit risk for the Company's contractual obligations. Credit risk relates to the risk of loss resulting from non-performance or non-payment by counterparties pursuant to the terms of their contractual obligations. NRG is exposed to counterparty credit risk through various activities including wholesale sales, fuel purchases and retail supply arrangements, as well as retail customer credit risk through its retail load activities.

#### Counterparty Credit Risk

The Company's counterparty credit risk policies are disclosed in its 2020 Form 10-K. As of June 30, 2021, counterparty credit exposure, excluding credit exposure from RTOs, ISOs, registered commodity exchanges and certain long-term agreements, was \$1.8 billion and NRG held collateral (cash and letters of credit) against those positions of \$483 million, resulting in a net exposure of \$1.4 billion. NRG periodically receives collateral from counterparties in excess of their exposure. Collateral amounts shown include such excess while net exposure shown excludes excess collateral received. Approximately 50% of the Company's exposure before collateral is expected to roll off by the end of 2022. Counterparty credit exposure is valued through observable market quotes and discounted at a risk free interest rate. The following tables highlight net counterparty credit exposure by industry sector and by counterparty credit quality. Net counterparty credit exposure is defined

as the aggregate net asset position for NRG with counterparties where netting is permitted under the enabling agreement and includes all cash flow, mark-to-market and NPNS, and non-derivative transactions. The exposure is shown net of collateral held and includes amounts net of receivables or payables.

	Net Exposure(a)(b)
Category by Industry Sector	(% of Total)
Utilities, energy merchants, marketers and other	53 %
Financial institutions	47
Total as of June 30, 2021	100 %
	Net Exposure (a)(b)
Category by Counterparty Credit Quality	Net Exposure (a)(b) (% of Total)
Category by Counterparty Credit Quality Investment grade	
	(% of Total)

- (a) Counterparty credit exposure excludes uranium and coal transportation contracts because of the unavailability of market prices
- (b) The figures in the tables above exclude potential counterparty credit exposure related to RTOs, ISOs, registered commodity exchanges and certain long-term contracts

The Company currently has no exposure to wholesale counterparties in excess of 10% of total net exposure discussed above as of June 30, 2021. Changes in hedge positions and market prices will affect credit exposure and counterparty concentration.

During Winter Storm Uri, the Company experienced nonperformance by a counterparty in one of its bilateral financial hedging transactions, resulting in exposure of \$403 million. The Company is pursuing all means available to enforce its rights under this transaction but, given the size of the exposure, cannot determine with certainty what the amount of its ultimate recovery will be. The full exposure was recorded as a provision for credit losses as of June 30, 2021.

#### RTOs and ISOs

The Company participates in the organized markets of CAISO, ERCOT, AESO, IESO, ISO-NE, MISO, NYISO and PJM, known as RTOs or ISOs. Trading in the majority of these markets is approved by FERC, whereas in the case of ERCOT, it is approved by the PUCT, and whereas in the case of AESO and IESO, both exist provincially with AESO primarily subject to Alberta Utilities Commission and the IESO to the Ontario Energy Board. These ISOs may include credit policies that, under certain circumstances, require that losses arising from the default of one member on spot market transactions be shared by the remaining participants. As a result, the counterparty credit risk to these markets is limited to NRG's share of the overall market and are excluded from the above exposures.

## Exchange Traded Transactions

The Company enters into commodity transactions on registered exchanges, notably ICE, NYMEX and Nodal. These clearinghouses act as the counterparty and transactions are subject to extensive collateral and margining requirements. As a result, these commodity transactions have limited counterparty credit risk.

#### Long-Term Contracts

Counterparty credit exposure described above excludes credit risk exposure under certain long-term contracts, primarily solar PPAs. As external sources or observable market quotes are not always available to estimate such exposure, the Company values these contracts based on various techniques including, but not limited to, internal models based on a fundamental analysis of the market and extrapolation of observable market data with similar characteristics. Based on these valuation techniques, as of June 30, 2021, aggregate credit risk exposure managed by NRG to these counterparties was approximately \$1.3 billion for the next five years.

#### Retail Customer Credit Risk

The Company is exposed to retail credit risk through the Company's retail electricity and gas providers, which serve Home and Business customers. Retail credit risk results in losses when a customer fails to pay for services rendered. The losses may result from both non-payment of customer accounts receivable and the loss of in-the-money forward value. The Company manages retail credit risk through the use of established credit policies that include monitoring of the portfolio and the use of credit mitigation measures such as deposits or prepayment arrangements.

As of June 30, 2021, the Company's retail customer credit exposure to Home and Business customers was diversified across many customers and various industries, as well as government entities. As a result of Winter Storm Uri, the Company incurred additional credit losses from Business customers primarily due to a segment of customers whose contracts included a pass through of wholesale power prices which were significantly escalated during the storm and from customers who failed to meet their obligations in ERCOT load curtailment programs.

### Note 6 — Nuclear Decommissioning Trust Fund

NRG's Nuclear Decommissioning Trust Fund assets, which are for the decommissioning of its 44% interest in STP, are comprised of securities classified as available-for-sale and recorded at fair value based on actively quoted market prices. NRG accounts for the Nuclear Decommissioning Trust Fund in accordance with ASC 980, *Regulated Operations*, because the Company's nuclear decommissioning activities are subject to approval by the PUCT with regulated rates that are designed to recover all decommissioning costs and that can be charged to and collected from the ratepayers per PUCT mandate. Since the Company is in compliance with PUCT rules and regulations regarding decommissioning trusts and the cost of decommissioning is the responsibility of the Texas ratepayers, not NRG, all realized and unrealized gains or losses (including other-than-temporary impairments) related to the Nuclear Decommissioning Trust Fund are recorded to the Nuclear Decommissioning Trust liability and are not included in net income or accumulated OCI, consistent with regulatory treatment.

The following table summarizes the aggregate fair values and unrealized gains and losses for the securities held in the trust funds, as well as information about the contractual maturities of those securities.

		As of Jun	ne 30, 2021		As of December 31, 2020					
(In millions, except maturities)	Fair Value	Unrealized Gains	Unrealized Losses	Weighted- average Maturities (In years)	Fair Value Gains		Unrealized Losses	Weighted- average Maturities (In years)		
Cash and cash equivalents	\$ 20	\$ —	\$ —	_	\$ 23	\$ —	\$ —	_		
U.S. government and federal agency obligations	91	5		11	70	6		10		
Federal agency mortgage-backed securities	78	3	_	24	89	4	_	24		
Commercial mortgage-backed securities	44	1	_	27	36	2	_	27		
Corporate debt securities	122	9	1	13	144	13	_	12		
Equity securities	596	442	_	_	521	372	_	_		
Foreign government fixed income securities	6			11	7	1		10		
Total	\$ 957	\$ 460	\$ 1		\$ 890	\$ 398	<u>\$</u>			

The following table summarizes proceeds from sales of available-for-sale securities held in the trust funds and the related realized gains and losses from these sales. The cost of securities sold is determined on the specific identification method.

	 Six months ended June 30,						
(In millions)	2021		2020				
Realized gains	\$ 6	\$	7				
Realized losses	(4)		(9)				
Proceeds from sale of securities	226		220				

## Note 7 — Accounting for Derivative Instruments and Hedging Activities

### **Energy-Related Commodities**

As of June 30, 2021, NRG had energy-related derivative instruments extending through 2036. The Company marks these derivatives to market through the statement of operations. NRG has executed power purchase agreements extending through 2037 that qualified for the NPNS exception and were therefore exempt from fair value accounting treatment.

### Foreign Exchange Contracts

NRG is exposed to changes in foreign currency associated with the purchase of USD denominated natural gas for its Canadian business. In order to manage the Company's foreign exchange risk, NRG entered into foreign exchange contracts. As of June 30, 2021, NRG had foreign exchange contracts extending through 2023. The Company marks these derivatives to market through the statement of operations.

# Volumetric Underlying Derivative Transactions

The following table summarizes the net notional volume buy/(sell) of NRG's open derivative transactions broken out by category, excluding those derivatives that qualified for the NPNS exception, as of June 30, 2021 and December 31, 2020. Option contracts are reflected using delta volume. Delta volume equals the notional volume of an option adjusted for the probability that the option will be in-the-money at its expiration date.

	_	Total Volume	(In millions)			
<u>Category</u>	<u>Units</u>	June 30, 2021	December 31, 2020			
Emissions	Short Ton	1	1			
Renewable Energy Certificates	Certificates	12	5			
Coal	Short Ton	1	2			
Natural Gas	MMBtu	628	(286)			
Power	MWh	194	57			
Capacity	MW/Day		(1)			
Foreign Exchange	Dollars	140	\$ —			

The increase in positions was primarily the result of the Direct Energy acquisition.

### Fair Value of Derivative Instruments

The following table summarizes the fair value within the derivative instrument valuation on the balance sheets:

	Fair Value										
	Derivati	ive Assets	<b>Derivative Liabilities</b>								
(In millions)	June 30, 2021	December 31, 2020	June 30, 2021	December 31, 2020							
Derivatives Not Designated as Cash Flow or Fair Value Hedges:											
Foreign exchange contracts - current	\$ —	\$ —	\$ 2	\$ —							
Foreign exchange contracts - long-term	<u>—</u>	<u>—</u>	2	_							
Commodity contracts - current	3,975	560	2,847	499							
Commodity contracts - long-term	1,724	261	943	385							
Total Derivatives Not Designated as Cash Flow or Fair Value Hedges	\$ 5,699	\$ 821	\$ 3,794	\$ 884							

The Company has elected to present derivative assets and liabilities on the balance sheet on a trade-by-trade basis and does not offset amounts at the counterparty master agreement level. In addition, collateral received or paid on the Company's derivative assets or liabilities are recorded on a separate line item on the balance sheet. The following table summarizes the offsetting of derivatives by counterparty master agreement level and collateral received or paid:

		Gross Am	oun	ts Not Offset in the	Sta	tement of Financia	al Po	osition
(In millions)	Gross Amounts of Recognized Assets / Liabilities			Derivative Instruments	Cash Collateral (Held) / Posted			Net Amount
As of June 30, 2021								
Foreign exchange contracts:								
Derivative liabilities	\$	(4)	\$		\$	_	\$	(4)
Total foreign exchange contracts	\$	(4)	\$		\$ —		\$	(4)
<b>Commodity contracts:</b>								
Derivative assets	\$	5,699	\$	(3,476)	\$	(501)	\$	1,722
Derivative liabilities		(3,790)		3,476		_		(314)
Total commodity contracts	\$	1,909	\$		\$	(501)	\$	1,408
Total derivative instruments	\$	1,905	\$		\$ (501)		\$	1,404

	Gross Amounts Not Offset in the Statement of Financial Position											
(In millions)	Recog	s Amounts of gnized Assets / Liabilities		Derivative Instruments		sh Collateral eld) / Posted		Net Amount				
As of December 31, 2020												
Commodity contracts:												
Derivative assets	\$	821	\$	(658)	\$	(5)	\$	158				
Derivative liabilities		(884)		658				(226)				
Total commodity contracts	\$	(63)	\$		\$	(5)	\$	(68)				

ss Amounts Not Offset in the Statement of Financial Position

#### Impact of Derivative Instruments on the Statements of Operations

Unrealized gains and losses associated with changes in the fair value of derivative instruments not accounted for as cash flow and fair value hedges are reflected in current period results of operations.

The following table summarizes the pre-tax effects of economic hedges that have not been designated as cash flow hedges or fair value hedges and trading activity on the Company's statement of operations. The effect of foreign exchange and commodity hedges are included within operating revenues and cost of operations.

(In millions)		ree months	June 30,	Six months ended June 30,				
Unrealized mark-to-market results		2021		2020		2021		2020
Reversal of previously recognized unrealized losses on settled positions related to economic hedges	\$	22	\$	30	\$	39	\$	39
Reversal of acquired loss positions related to economic hedges		103		3		248		4
Net unrealized gains on open positions related to economic hedges		1,392		54		1,951		88
Total unrealized mark-to-market gains for economic hedging activities		1,517		87		2,238		131
Reversal of previously recognized unrealized (gains) on settled positions related to trading activity		(3)		(5)		(10)		(7)
Net unrealized (losses)/gains on open positions related to trading activity		(7)		4		4		17
Total unrealized mark-to-market (losses)/gains for trading activity		(10)		(1)		(6)		10
Total unrealized gains	\$	1,507	\$	86	\$	2,232	\$	141
	Т	hree months	ende	d June 30,	Si	ix months e	ndec	June 30,
(In millions)		2021		2020		2021		2020
Unrealized (losses)/gains included in operating revenues - commodities	\$	(80)	\$	42	\$	(108)	\$	49
Unrealized gains included in cost of operations - commodities		1,589		44		2,344		92
Unrealized (losses) included in cost of operations - foreign exchange		(2)		_		(4)		_
Total impact to statement of operations	\$	1,507	\$	86	\$	2,232	\$	141

The reversals of acquired loss positions were valued based upon the forward prices on the acquisition date. The roll-off amounts were offset by realized gains or losses at the settled prices and are reflected in operating revenue or cost of operations during the same period.

For the six months ended June 30, 2021, the \$2.0 billion unrealized gain from open economic hedge positions was primarily the result of an increase in value of forward positions due to increases in natural gas and power prices.

For the six months ended June 30, 2020, the \$88 million unrealized gain from open economic hedge positions was primarily the result of an increase in value of forward positions as a result of increases in outer year ERCOT power prices and decreases in New York capacity, New York power, and West/Other power prices.

#### Credit Risk Related Contingent Features

Certain of the Company's hedging and trading agreements contain provisions that entitle the counterparty to demand that the Company post additional collateral if the counterparty determines that there has been deterioration in the Company's credit quality, generally termed "adequate assurance" under the agreements, or require the Company to post additional collateral if there were a downgrade in the Company's credit rating. In addition, as a result of the acquisition of Direct Energy from Centrica, certain of the Company's agreements as of June 30, 2021, were still supported by credit support posted by Centrica, and as a result could require the Company to post collateral upon a deterioration or downgrade of Centrica. The collateral

potentially required for all contracts with adequate assurance clauses that are in a net liability position as of June 30, 2021 was \$745 million. The Company is also party to certain marginable agreements under which it has net liability position, but the counterparty has not called for the collateral due, which was \$66 million as of June 30, 2021. In the event of a downgrade in the Company's credit rating and if called for by the counterparty, \$18 million of additional collateral would be required for all contracts with credit rating contingent features as of June 30, 2021.

See Note 5, Fair Value of Financial Instruments, for discussion regarding concentration of credit risk.

#### Note 8 — Impairments

#### 2021 Impairment Losses

PJM Asset Impairments — During the second quarter of 2021, the results of the PJM Base Residual Auction for the 2022/2023 delivery year were released leading the Company to announce the near-term retirement of a significant portion of its PJM coal generating assets in June 2022. The Company considered the decline in PJM capacity prices and the near-term retirement dates of certain assets to be a trigger for impairment and performed impairment tests on the PJM generating assets and the goodwill associated with Midwest Generation. The Company measured the impairment losses on the PJM generation assets and Midwest Generation goodwill as the difference between the carrying amount and the fair value of the PJM generating assets and Midwest Generation reporting unit, respectively. Fair values were determined using an income approach in which the Company applied a discounted cash flow methodology to the long-term budgets for the plants and reporting unit. Significant inputs impacting the income approach include the Company's long-term view of capacity and fuel prices, projected generation, the physical and economic characteristics of each plant, and the discount rate applied to the after-tax cash flow projections. Impairment losses of \$271 million and \$35 million were recorded in the East segment on the PJM generating assets and Midwest Generation goodwill, respectively.

# 2020 Impairment Losses

Petra Nova Parish Holdings — During the first quarter of 2020, due to the decline in oil prices, NRG determined that the carrying amount of the Company's equity method investment exceeded the fair value of the investment and that the decline was considered to be other-than-temporary. In determining the fair value, the Company utilized an income approach to estimate future project cash flows. The Company recorded an impairment loss of \$18 million in the Texas segment, which included the anticipated drawdown of the \$12 million letter of credit posted in September 2019 to cover certain project debt reserve requirements.

#### Note 9 — Long-term Debt and Finance Leases

Long-term debt and finance leases consisted of the following:

(In millions, except rates)	June 30, 2021	December 31, 2020	Interest rate %		
Recourse debt:					
Senior Notes, due 2026	\$ 1,000	\$ 1,000	7.250		
Senior Notes, due 2027	1,230	1,230	6.625		
Senior Notes, due 2028	821	821	5.750		
Senior Notes, due 2029	733	733	5.250		
Senior Notes, due 2029	500	500	3.375		
Senior Notes, due 2031	1,030	1,030	3.625		
Convertible Senior Notes, due 2048 <sup>(a)</sup>	575	575	2.750		
Senior Secured First Lien Notes, due 2024	600	600	3.750		
Senior Secured First Lien Notes, due 2025	500	500	2.000		
Senior Secured First Lien Notes, due 2027	900	900	2.450		
Senior Secured First Lien Notes, due 2029	500	500	4.450		
Tax-exempt bonds	466	466	1.250 - 4.750		
Repurchase Facility	75		L + 1.250		
Subtotal recourse debt	8,930	8,855			
Finance leases	14	4	various		
Subtotal long-term debt and finance leases (including current maturities)	8,944	8,859			
Less current maturities	(79)	(1)			
Less debt issuance costs	(86)	(93)			
Discounts	(67)	(74)			
Total long-term debt and finance leases	\$ 8,712	\$ 8,691			

<sup>(</sup>a) As of the ex-dividend date of July 30, 2021, the Convertible Senior Notes were convertible at a price of \$45.22, which is equivalent to a conversion rate of approximately 22.12 shares of common stock per \$1,000 principal amount

#### **Recourse Debt**

Revolving Credit Facility

During the third quarter of 2020, the Company amended its existing credit agreement to, among other things, (i) increase the existing revolving commitments in an aggregate amount of \$802 million, and (ii) provide for a new tranche of revolving commitments in an aggregate amount of \$273 million with a maturity date of July 5, 2023. The maturity date of the new revolving tranche of commitments may, upon request by the Company, and at the option of each applicable lender under the new tranche be extended to May 28, 2024, which is the maturity date of the existing and increased commitments. Other than with respect to the maturity date, the terms of all revolving commitments and loans made pursuant thereto are identical. The increase in the existing commitments, and the commitments with respect to the new tranche were effective on August 20, 2020 and became available on January 5, 2021 upon the closing of the Direct Energy Acquisition. As of June 30, 2021, total revolving commitments available, subject to usage, under the amended credit agreement was \$3.7 billion.

#### Receivables Securitization Facilities

On July 26, 2021, NRG Receivables LLC, a wholly-owned indirect subsidiary of the Company, entered into the First Amendment to its accounts receivable securitized borrowing facility dated September 22, 2020 with a group of conduit lenders and banks and Royal Bank of Canada, as Administrative Agent (as amended, the "Receivables Facility") to, among other things, (i) increase the existing revolving commitments by \$50 million to an aggregate amount of \$800 million, (ii) extend the maturity date until July 26, 2022, (iii) make certain adjustments to the pool of receivables through the Receivables Facility and certain related covenants and (iv) provide for revised language relating to interest determination based on SOFR in case of a LIBOR cessation or the occurrence of certain other trigger events. As of June 30, 2021, there were no outstanding borrowings and there were \$214 million in letters of credit issued under the Receivables Facility.

On July 26, 2021, the Company renewed its existing Repurchase Facility to, among other things, (i) extend the maturity date to July 26, 2022 and (ii) provide for revised language relating to interest determination based on SOFR in case of a LIBOR cessation or the occurrence of certain other trigger events. As of June 30, 2021, the full \$75 million borrowing was outstanding under the Repurchase Facility, which was fully repaid as of August 5, 2021.

#### Non-Recourse Debt

Put Option Agreement for Senior Debt Issuance

As further discussed in Part IV, Item 15, Note 14, Long-term Debt and Finance Leases of the Company's 2020 Form 10-K, the Company entered into a Put Option Agreement for Senior Debt Issuances (the "P-Caps"). In connection with the issuance of the P-Caps, on December 11, 2020, NRG entered into an amended and restated facility agreement for the issuance of letters of credit (the "LC Agreement") with Deutsche Bank Trust Company Americas as collateral agent (the "Collateral Agent") and administrative agent pursuant to which certain financial institutions (the "LC Issuers") have agreed to provide letters of credit in an aggregate amount not to exceed \$874 million to support the operations of NRG and its subsidiaries and minority investments, including to replace certain letters of credit and other credit support issued for the account of entities acquired pursuant to the Direct Energy Acquisition. In addition, on December 11, 2020, the Trust entered into an amended and restated pledge and control agreement (the "Pledge Agreement"), among NRG, the Trust and the Collateral Agent for the LC Issuers, under which the Trust agreed to grant a pledge over the Eligible Treasury Assets in favor of the Collateral Agent for the benefit of the LC Issuers. Pursuant to the LC Agreement and the Pledge Agreement, the Collateral Agent is entitled to withdraw Eligible Treasury Assets from the Trust's pledged account, following notice to NRG, in the event NRG has failed to reimburse amounts drawn under any letter of credit issued pursuant to the LC Agreement, and the LC Issuers have the right to instruct the Collateral Agent to enforce the pledge over the Eligible Treasury Assets upon the occurrence of any event of default under the LC Agreement (a "Collateral Enforcement Event"). The LC Agreement and the Pledge Agreement were available on January 5, 2021. As of June 30, 2021, \$824 million of letters of credit were issued under the LC Agreement.

#### Note 10 — Investments Accounted for Using the Equity Method and Variable Interest Entities, or VIEs

#### Entities that are not Consolidated

NRG accounts for the Company's significant investments using the equity method of accounting. NRG's carrying value of equity investments can be impacted by a number of elements including impairments, unrealized gains and losses on derivatives and movements in foreign currency exchange rates. On February 3, 2021, the Company sold its 35% ownership in Agua Caliente to Clearway Energy, Inc. for \$202 million as further described in Note 4, *Acquisitions and Dispositions*.

#### Variable Interest Entities that are Consolidated

The Company has a controlling financial interest that has been identified as a VIE under ASC 810 in NRG Receivables LLC, which has entered into financing transactions related to the Receivables Facility as further described in Note 13, *Receivables Securitization and Repurchase Facility*, to the Company's 2020 Form 10-K.

The summarized financial information for the Company's consolidated VIE consisted of the following:

(In millions)	June 30, 2021	December 31, 2020		
Accounts receivable	\$ 642	\$ 647		
Other current assets	1	2		
Total assets	643	649		
Current liabilities	77	78		
Net assets	\$ 566	\$ 571		

#### Note 11 — Changes in Capital Structure

As of June 30, 2021 and December 31, 2020, the Company had 500,000,000 shares of common stock authorized. The following table reflects the changes in NRG's common stock issued and outstanding:

	Issued	Treasury	Outstanding
Balance as of December 31, 2020	423,057,848	(178,825,915)	244,231,933
Shares issued under LTIPs	483,577		483,577
Shares issued under ESPP	<u> </u>	59,967	59,967
Balance as of June 30, 2021	423,541,425	(178,765,948)	244,775,477
Shares issued under LTIPs	1,404		1,404
Balance as of August 5, 2021	423,542,829	(178,765,948)	244,776,881

#### Employee Stock Purchase Plan

In March 2019, the Company reopened participation in the ESPP, which allows eligible employees to elect to withhold between 1% and 10% of their eligible compensation to purchase shares of NRG common stock at the lesser of 95% of its market value on the offering date or 95% of the fair market value on the exercise date. An offering date occurs each April 1 and October 1. An exercise date occurs each September 30 and March 31.

#### NRG Common Stock Dividends

During the first quarter of 2021, NRG increased the annual dividend to \$1.30 from \$1.20 per share and expects to target an annual dividend growth rate of 7-9% per share in subsequent years. A quarterly dividend of \$0.325 per share was paid on the Company's common stock during the three months ended June 30, 2021. On July 20, 2021, NRG declared a quarterly dividend on the Company's common stock of \$0.325 per share, payable on August 16, 2021 to stockholders of record as of August 2, 2021.

The Company's common stock dividends are subject to available capital, market conditions, and compliance with associated laws, regulations and other contractual obligations.

#### Note 12 — Income Per Share

Basic income per common share is computed by dividing net income by the weighted average number of common shares outstanding. Shares issued and treasury shares repurchased during the year are weighted for the portion of the year that they were outstanding. Diluted income per share is computed in a manner consistent with that of basic income per share while giving effect to all potentially dilutive common shares that were outstanding during the period. The outstanding relative performance stock units, non-vested restricted stock units, market stock units, and non-qualified stock options are not considered outstanding for purposes of computing basic income per share. However, these instruments are included in the denominator for purposes of computing diluted income per share under the treasury stock method. The Convertible Senior Notes are convertible, under certain circumstances, into the Company's common stock, cash or combination thereof (at NRG's option). There is no dilutive effect for the Convertible Senior Notes due to the Company's expectation to settle the liability in cash.

The reconciliation of NRG's basic and diluted income per share is shown in the following table:

	Th	ree months	ende	ed June 30,	une 30, Six months			June 30,
(In millions, except per share data) 2021		2021		2020		2021		2020
Basic income per share:								
Net income	\$	1,078	\$	313	\$	996	\$	434
Weighted average number of common shares outstanding - basic		245		245		245		246
Income per weighted average common share — basic		4.40	\$	1.28	\$	4.07	\$	1.76
Diluted income per share:								
Net income	\$	1,078	\$	313	\$	996	\$	434
Weighted average number of common shares outstanding - basic		245		245		245		246
Incremental shares attributable to the issuance of equity compensation (treasury stock method)		_		1		_		1
Weighted average number of common shares outstanding - dilutive		245		246		245		247
Income per weighted average common share — diluted	\$	4.40	\$	1.27	\$	4.07	\$	1.76

As of June 30, 2021 and 2020 the Company had an insignificant number of outstanding equity instruments that are anti-dilutive and were not included in the computation of the Company's diluted income per share.

#### Note 13 — Segment Reporting

The Company's segment structure reflects how management currently makes financial decisions and allocates resources. The Company manages its operations based on the combined results of the retail and wholesale generation businesses with a geographical focus.

NRG's chief operating decision maker, its chief executive officer, evaluates the performance of its segments based on operational measures including adjusted earnings before interest, taxes, depreciation and amortization, or Adjusted EBITDA, free cash flow and allocation of capital, as well as net income/(loss).

The acquired operations of Direct Energy are integrated into the existing NRG segment structure. Domestic customer and market operations are combined into the corresponding geographical segments of Texas, East and West/Services/Other. The East segment includes the deregulated customer and market operations of Canada. The West/Services/Other segment includes activity related to the regulated operations in Alberta, Canada and the services businesses.

	Three months ended June 30, 2021											
(In millions)	-	Texas		East	W	est/Services/ Other	Co	orporate	Eli	minations		Total
Operating revenues	\$	2,025	\$	2,678	\$	537	\$		\$	3	\$	5,243
Depreciation and amortization		84		(54)		16		7		_		53
Impairment losses		_		306		_		_		_		306
Equity in earnings of unconsolidated affiliates		_		_		14		_		_		14
Income/(loss) before income taxes		792		784		41		(159)		_		1,458
Net income/(loss)	\$	792	\$	772	\$	40	\$	(526)	\$	_	\$	1,078
Total assets	\$	8,754	\$	11,260	\$	4,017	\$	12,838	\$	(15,250)	\$	21,619

	I nree months ended June 30, 2020											
(In millions)	7	Гехаѕ		East	W	est/Services/ Other	C	orporate	Eli	minations		Total
Operating revenues	\$	1,578	\$	545	\$	115	\$	_	\$	_	\$	2,238
Depreciation and amortization		59		32		9		10		_		110
Equity in losses of unconsolidated affiliates		(3)		_		15		_		_		12
Income/(loss) before income taxes		350		142		30		(109)		1		414
Net income/(loss)	\$	350	\$	142	\$	29	\$	(209)	\$	1	\$	313

	Six months ended June 30, 2021											
(In millions)		Texas		East	W	est/Services/ Other	Co	rporate	Elir	ninations		Total
Operating revenues	\$	5,727	\$	6,503	\$	1,102	\$		\$	2	\$	13,334
Depreciation and amortization		161		155		40		14		_		370
Impairment losses		_		306		_		_		_		306
Gain on sale of assets		_		_		17		_		_		17
Equity in (losses)/earnings of unconsolidated affiliates		(1)		_		9		_		_		8
Income/(loss) before income taxes		367		1,141		111		(328)		_		1,291
Net income/(loss)	\$	367	\$	1,125	\$	109	\$	(605)	\$	_	\$	996

Six months ended June 30, 2020									0		
(In millions)		Гехаѕ		East	W	est/Services/ Other	Co	orporate	Eliminatio	ns	Total
Operating revenues	\$	2,936	\$	1,066	\$	258	\$		\$	(3)	\$ 4,257
Depreciation and amortization		118		64		18		19		_	219
Gain on sale of assets		_		_		1		5		_	6
Equity in (losses)/earnings of unconsolidated affiliates		(3)		_		4		_		_	1
Income/(loss) before income taxes		512		162		75		(191)		_	558
Net income/(loss)	\$	512	\$	162	\$	74	\$	(314)	\$		\$ 434

#### Note 14 — Income Taxes

#### Effective Income Tax Rate

The income tax provision consisted of the following:

	Three months ended June 30,					Six months ended June 30,					
(In millions, except rates)	2021			2020		2021		2020			
Income before income taxes	\$	1,458	\$	414	\$	1,291	\$	558			
Income tax expense		380		101		295		124			
Effective income tax rate		26.1 %	Ó	24.4 %		22.9 %		22.2 %			

For the three months ended June 30, 2021, the effective tax rate was higher than the statutory rate of 21% primarily due to state tax expense. For the six months ended June 30, 2021, the effective tax rate was higher than the statutory rate of 21% primarily due to state tax expense partially offset by one-time tax benefits, as a result of the acquisition of Direct Energy, on the revaluation of state deferred tax assets, NOLs and valuation allowance. For the same periods in 2020, the effective tax rates were higher than the statutory rate of 21% due to state tax expense partially offset by an excess tax benefit related to share-based compensation.

#### Uncertain Tax Benefits

As of June 30, 2021, NRG had a non-current tax liability of \$19 million for uncertain tax benefits from positions taken on various federal and state income tax returns and accrued interest. For the six months ended June 30, 2021, NRG accrued an immaterial amount of interest relating to the uncertain tax benefits. As of June 30, 2021, NRG had cumulative interest and penalties related to these uncertain tax benefits of \$1 million. The Company recognizes interest and penalties related to uncertain tax benefits in income tax expense.

NRG is subject to examination by taxing authorities for income tax returns filed in the U.S. federal jurisdiction and various state and foreign jurisdictions including operations located in Australia and Canada. The Company is no longer subject to U.S. federal income tax examinations for years prior to 2017. With few exceptions, state and local income tax examinations are no longer open for years prior to 2012.

# Note 15 — Related Party Transactions

NRG provides services to some of its equity method investments under operations and maintenance agreements. Fees for the services under these agreements include recovery of NRG's costs of operating the plants. Certain agreements also include fees for administrative service, a base monthly fee, profit margin and/or annual incentive bonus.

The following table summarizes NRG's material related party transactions with third party affiliates:

	Three months ended June 30,			Si	ix months e	ended June 30,		
(In millions)		2021		2020		2021		2020
Revenues from Related Parties Included in Operating Revenues								
Gladstone	\$	_	\$		\$	1	\$	1
Ivanpah <sup>(a)</sup>		9		10		21		23
Midway-Sunset		1		2		3		3
Total	\$	10	\$	12	\$	25	\$	27

<sup>(</sup>a) Also includes fees under project management agreements with each project company

#### Note 16 — Commitments and Contingencies

#### **Commitments**

The Company disclosed its commitments in Note 24, *Commitments and Contingencies*, to the Company's 2020 Form 10-K. NRG completed the acquisition of Direct Energy on January 5, 2021 and assumed additional purchased energy commitments as detailed below.

#### **Purchased Energy Commitments**

NRG assumed additional long-term contractual commitments related to electricity and natural gas products, including power purchases, gas transportation and storage. The Company's minimum commitments under such outstanding agreements as of the Acquisition Closing Date are estimated as follows:

	(In millions)
2021	\$ 246
2022	396
2023	272
2024	180
2025	134
Thereafter	450
Total	\$ 1,678

#### First Lien Structure

NRG has granted first liens to certain counterparties on a substantial portion of property and assets owned by NRG and the guarantors of its senior debt. NRG uses the first lien structure to reduce the amount of cash collateral and letters of credit that it would otherwise be required to post from time to time to support its obligations under out-of-the-money hedges. To the extent that the underlying hedge positions for a counterparty are out-of-the-money to NRG, the counterparty may have a claim under the first lien program. As of June 30, 2021, all hedges under the first lien program were out-of-the-money for NRG on a counterparty aggregate basis.

# **Contingencies**

The Company's material legal proceedings are described below. The Company believes that it has valid defenses to these legal proceedings and intends to defend them vigorously. NRG records accruals for estimated losses from contingencies when information available indicates that a loss is probable and the amount of the loss, or range of loss, can be reasonably estimated. As applicable, the Company has established an adequate accrual for the applicable legal matters, including regulatory and environmental matters as further discussed in Note 17, *Regulatory Matters*, and Note 18, *Environmental Matters*. In addition, legal costs are expensed as incurred. Management has assessed each of the following matters based on current information and made a judgment concerning its potential outcome, considering the nature of the claim, the amount and nature of damages sought, and the probability of success. Unless specified below, the Company is unable to predict the outcome of these legal proceedings or reasonably estimate the scope or amount of any associated costs and potential liabilities. As additional information becomes available, management adjusts its assessment and estimates of such contingencies accordingly. Because litigation is subject to inherent uncertainties and unfavorable rulings or developments, it is possible that the ultimate resolution of the Company's liabilities and contingencies could be at amounts that are different from their currently recorded accruals and that such differences could be material.

In addition to the legal proceedings noted below, NRG and its subsidiaries are party to other litigation or legal proceedings arising in the ordinary course of business. In management's opinion, the disposition of these ordinary course matters will not materially adversely affect NRG's consolidated financial position, results of operations, or cash flows.

#### **Environmental Lawsuits**

Sierra club et al. v. Midwest Generation LLC — In 2012, several environmental groups filed a complaint against Midwest Generation with the Illinois Pollution Control Board ("IPCB") alleging violations of environmental law resulting in groundwater contamination. In June 2019, the IPCB found that Midwest Generation violated the law because it had improperly handled coal ash at four facilities in Illinois and caused or allowed coal ash constituents to impact groundwater. On September 9, 2019, Midwest Generation filed a Motion to Reconsider numerous issues, which the court granted in part and denied in part on February 6, 2020. The IPCB will hold hearings to determine the appropriate relief. Midwest Generation has been working with the Illinois EPA to address the groundwater issues since 2010.

#### Consumer Lawsuits

Similar to other energy service companies ("ESCOs") operating in the industry, from time-to-time, the Company and/or its subsidiaries may be subject to consumer lawsuits in various jurisdictions where they sell natural gas and electricity.

Variable Price Cases — In the cases set forth below, referred to as the Variable Price Cases, such actions involve consumers alleging that one of the Company's ESCOs promised that consumers would pay the same or less than they would have paid if they stayed with their default utility or previous energy supplier. The underlying claims of each case are similar and the Company continues to deny the allegations and is vigorously defending these matters. These matters were known and accrued for at the time of each acquisition.

# XOOM Energy

XOOM Energy is a defendant in a putative class action lawsuit pending in New York. This case is in the discovery phase.

# Direct Energy

There are four putative class actions pending against Direct Energy: (1) Linda Stanley v. Direct Energy (S.D.N.Y Apr. 2019) - The parties mediated in June and agreed on a settlement. Once the settlement is drafted and signed, it will be submitted to the Court for approval; (2) Martin Forte v. Direct Energy (N.D.N.Y. Mar. 2017) - Direct Energy's Motion for Summary Judgment and Plaintiff's Class Certification are fully briefed and awaiting a ruling; (3) Richard Schafer v. Direct Energy (W.D.N.Y. Dec. 2019; on appeal 2nd Cir. N.Y.) - The trial court dismissed this action. Plaintiff appealed to the Second Circuit Court of Appeals. Oral arguments took place in April 2021. Subsequently, the Second Circuit issued a summary opinion vacating the district court's dismissal of the case. The matter was remanded back to the district court; and (4) Julie and Richard Lane v. Direct Energy (S.D.Ill. Jun. 2019) - Plaintiff has amended her Complaint in response to the Court dismissing all claims except a claim under the Illinois Consumer Protection Act. Direct Energy's Motion to Dismiss was granted by the Court on April 26, 2021. The time to appeal this determination has passed.

Telephone Consumer Protection Act ("TCPA") Cases — In the cases set forth below, referred to as the TCPA Cases, such actions involve consumers alleging violations of the Telephone Consumer Protection Act of 1991, as amended, by receiving calls, texts or voicemails without consent in violation of the federal Telemarketing Sales Rule, and/or state counterpart legislation. The underlying claims of each case are similar. The Company continues to deny the allegations asserted by plaintiffs and intends to vigorously defend these matters. These matters were known and accrued for at the time of the acquisition.

There are two putative class actions pending against Direct Energy: (1) Brittany Burk v. Direct Energy (S.D. Tex. Feb. 2019) - Written discovery is complete, and fact and expert discovery is ongoing. The briefing on Direct Energy's Motion to Dismiss and Plaintiff's Class Certification is complete; and (2) Matthew Dickson v. Direct Energy (N.D.Ohio Jan. 2018) - Direct Energy has filed a Third-Party Petition against its vendor, Total Marketing Concepts, LLC, who placed voicemails without consent from Direct Energy and in violation of the parties' agreement. This case is stayed pending the outcome of a Second Circuit appeal of the American Association of Political Consultants ("AAPC") issue. In each case, Direct Energy has filed a Motion to Dismiss for lack of subject matter jurisdiction based on the Supreme Court's 2020 AAPC decision invalidating the TCPA provision asserted in each case.

#### Winter Storm Uri Lawsuits

The Company has been named in certain property damage and wrongful death claims that have been filed in connection with Winter Storm Uri. At this time, the Company is unable to determine the extent or impact of these various litigation matters due to their preliminary nature. The Company intends to vigorously defend these matters.

# Indemnifications and Other Contractual Arrangements

Washington-St. Tammany and Claiborne Electric Cooperative v. LaGen — On June 28, 2017, plaintiffs Washington-St. Tammany Electric Cooperative, Inc. and Claiborne Electric Cooperative, Inc. filed a lawsuit against LaGen in the United States District Court for the Middle District of Louisiana. The plaintiffs claimed breach of contract against LaGen for allegedly improperly charging the plaintiffs for costs related to the installation and maintenance of certain pollution control technology. Plaintiffs sought damages for the alleged improper charges and a declaration as to which charges were proper under the contract. In February 2020, the court dismissed this lawsuit without prejudice for lack of subject matter jurisdiction. On March 17, 2020, plaintiffs filed a lawsuit in the Nineteenth Judicial District Court for the Parish of East Baton Rouge in Louisiana alleging substantially the same matters. On February 4, 2019, NRG sold the South Central Portfolio, including the entities subject to this litigation. However, NRG has agreed to indemnify the purchaser for certain losses suffered in connection therewith.

#### Note 17 — Regulatory Matters

Environmental regulatory matters are discussed within Note 18, Environmental Matters.

NRG operates in a highly regulated industry and is subject to regulation by various federal, state and provincial agencies. As such, NRG is affected by regulatory developments at the federal, state and provincial levels and in the regions in which NRG operates. In addition, NRG is subject to the market rules, procedures, and protocols of the various ISO and RTO markets in which NRG participates. These power markets are subject to ongoing legislative and regulatory changes that may impact NRG's wholesale and retail operations.

In addition to the regulatory proceedings noted below, NRG and its subsidiaries are parties to other regulatory proceedings arising in the ordinary course of business or have other regulatory exposure. In management's opinion, the disposition of these ordinary course matters will not materially adversely affect NRG's consolidated financial position, results of operations, or cash flows.

California Station Power — As the result of unfavorable final and non-appealable litigation, the Company accrued a liability associated with consumption of station power at the Company's Encina power plant facility in California after August 30, 2010. The Company has established an appropriate accrual pending potential regulatory action by San Diego Gas & Electric regarding the Company's Encina facility.

South Central — On August 4, 2016, NRG received a document hold notice from FERC regarding conduct in the MISO and PJM markets. FERC Office of Enforcement Staff investigated potential violations of MISO rules involving bidding for the Big Cajun 2 facility, as well as other aspects of NRG's operations in MISO. On August 18, 2020, FERC Office of Enforcement presented NRG with its preliminary findings. NRG responded to the preliminary findings on January 15, 2021. FERC has the authority to require disgorgement of profits and to impose penalties and NRG retains any liability following the sale of the South Central Portfolio.

#### Note 18 — Environmental Matters

NRG is subject to a wide range of environmental laws in the development, construction, ownership and operation of power plants. These laws generally require that governmental permits and approvals be obtained before construction and maintained during operation of power plants. The electric generation industry has been facing increasingly stringent requirements regarding air quality, GHG emissions, combustion byproducts, water discharge and use, and threatened and endangered species. In general, future laws are expected to require the addition of emissions controls or other environmental controls or to impose additional restrictions on the operations of the Company's facilities, which could have a material effect on the Company's consolidated financial position, results of operations, or cash flows. The Company has elected to use a \$1 million disclosure threshold, as permitted, for environmental proceedings to which the government is a party.

# Air

On July 8, 2019, the EPA promulgated the ACE rule, which rescinded the CPP, which had sought to broadly regulate CO<sub>2</sub> emissions from the power sector. The ACE rule requires states that have coal-fired EGUs to develop plans to seek heat rate improvements from coal-fired EGUs. On January 19, 2021, the D.C. Circuit vacated the ACE rule (but on February 22, 2021, at the EPA's request, stayed the issuance of the portion of the mandate that would vacate the repeal of the CPP). Accordingly, we expect the EPA to promulgate a new rule to regulate GHG emissions from power plants.

# Water

Effluent Limitations Guidelines — In November 2015, the EPA revised the Effluent Limitations Guidelines ("ELG") for Steam Electric Generating Facilities, which imposed more stringent requirements (as individual permits were renewed) for wastewater streams from FGD, fly ash, bottom ash, and flue gas mercury control. On September 18, 2017, the EPA promulgated a final rule that, among other things, postponed the compliance dates to preserve the status quo for FGD wastewater and bottom ash transport water by two years to November 2020 until the EPA amended the rule. On October 13, 2020, the EPA amended the 2015 ELG rule by: (i) altering the stringency of certain limits for FGD wastewater; (ii) relaxing the zero-discharge requirement for bottom ash transport water; and (iii) changing several deadlines. The Company is in the process of estimating the environmental capital expenditures that will be required to comply. The capital expenditures required to comply will depend on elections regarding future operations of each coal-fired unit. NRG expects to make these elections for each unit in the fourth quarter of 2021, at which time the EPA will be notified as required. Accordingly, we do not expect to provide estimates of ELG compliance costs until early 2022. On July 26, 2021, the EPA announced that it is initiating a new rulemaking to evaluate revising the ELG rule. While the EPA is developing the new rule, the existing rule (as amended in 2020) will stay in place, and the EPA expects permitting authorities to continue to implement the current regulation. The EPA anticipates releasing a proposed rule in fall 2022.

# Byproducts, Wastes, Hazardous Materials and Contamination

In April 2015, the EPA finalized the rule regulating byproducts of coal combustion (e.g., ash and gypsum) as solid wastes under the RCRA. In September 2017, the EPA agreed to reconsider the rule. On July 30, 2018, the EPA promulgated a rule that amends the existing ash rule by extending some of the deadlines and providing more flexibility for compliance. On August 21, 2018, the D.C. Circuit found, among other things, that the EPA had not adequately regulated unlined ponds and legacy ponds. In 2019 and 2020, the EPA proposed several changes to this rule. On August 28, 2020, the EPA finalized "A Holistic Approach to Close Part A: Deadline to Initiate Closure," which amended the April 2015 Rule to address the August 2018 D.C. Circuit decision and extend some of the deadlines. On November 12, 2020, the EPA finalized "A Holistic Approach to Closure Part B," which further amended the April 2015 Rule to, among other things, provide procedures for requesting approval to operate existing impoundments with an alternative liner. The Company has updated its estimates of required environmental capital expenditures.

# ITEM 2 — MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

The discussion and analysis below has been organized as follows:

- Executive summary, including introduction and overview, business strategy, and changes to the business environment during the period, including environmental and regulatory matters;
- Results of operations;
- Financial condition, addressing liquidity position, sources and uses of liquidity, capital resources and requirements, commitments, and off-balance sheet arrangements; and
- Known trends that may affect NRG's results of operations and financial condition in the future.

As you read this discussion and analysis, refer to NRG's Condensed Consolidated Statements of Operations to this Form 10-Q, which present the results of operations for the three and six months ended June 30, 2021 and 2020. Also refer to NRG's 2020 Form 10-K, which includes detailed discussions of various items impacting the Company's business, results of operations and financial condition, including: General section; Strategy section; Business Overview section, including how regulation, weather, and other factors affect NRG's business; and Critical Accounting Policies and Estimates section.

# **Executive Summary**

# **Introduction and Overview**

NRG is a consumer services company built on dynamic retail brands with diverse generation assets. NRG brings the power of energy to customers by producing and selling energy and related products and services, nation-wide in the U.S. and Canada in a manner that delivers value to all of NRG's stakeholders. The Company sells energy, services, and innovative, sustainable solutions and advisory services to approximately 6 million Home customers under the names NRG, Reliant, Direct Energy, Green Mountain Energy, Stream, and XOOM Energy, as well as other brand names owned by NRG, supported by approximately 23,000 MW of generation, including approximately 4,850 MW of fossil generation assets held for sale as of June 30, 2021 and approximately 1,600 MW of its PJM coal fleet with a retirement date of June 2022.

# Strategy

NRG's strategy is to maximize stockholder value through the safe production and sale of reliable power and gas to its customers in the markets it serves, while positioning the Company to provide innovative solutions to the end-use energy or service consumer. This strategy is intended to enable the Company to optimize the integrated model to generate stable and predictable cash flow, significantly strengthen earnings and cost competitiveness, and lower risk and volatility.

To effectuate the Company's strategy, NRG is focused on: (i) serving the energy needs of end-use residential, commercial and industrial, and wholesale customers in competitive markets through multiple brands and channels; (ii) offering a variety of energy products and services, including renewable energy solutions, that are differentiated by innovative features, premium service, sustainability, and loyalty/affinity programs; (iii) excellence in operating performance of its existing assets; (iv) optimal hedging of NRG's portfolio; and (v) engaging in disciplined and transparent capital allocation.

Sustainability is an integral part of NRG's strategy and ties directly to business success, reduced risks and brand value. In 2019, NRG announced the acceleration of its science-based GHG emissions reduction goals to align with prevailing climate science, which seeks to limit global warming in the post-industrial era to 1.5 degrees Celsius. NRG is targeting a 50% reduction by 2025, from its current 2014 baseline, and net-zero emissions by 2050.

# **Energy Regulatory Matters**

The Company's regulatory matters are described in the Company's 2020 Form 10-K in Item 1, Business — *Regulatory Matters*. These matters have been updated below and in Note 17, *Regulatory Matters*.

As participants in wholesale and retail energy markets and owners and operators of power plants, certain NRG entities are subject to regulation by various federal and state government agencies. These include the CFTC, FERC, NRC and the PUCT, as well as other public utility commissions in certain states where NRG's generation or distributed generation assets are located. In addition, NRG is subject to the market rules, procedures and protocols of the various ISO and RTO markets in which it participates. Likewise, certain NRG entities participating in the retail markets are subject to rules and regulations established by the states and provinces in which NRG entities are licensed to sell at retail. NRG must also comply with the mandatory reliability requirements imposed by NERC and the regional reliability entities in the regions where NRG operates.

NRG's operations within the ERCOT footprint are not subject to rate regulation by FERC, as they are deemed to operate solely within the ERCOT market and not in interstate commerce. These operations are subject to regulation by the PUCT, as well as to regulation by the NRC with respect to NRG's ownership interest in STP.

In March 2021, President Biden announced a framework for his "Build Back Better" initiative. The framework includes policies to address climate change across the whole of the federal government through the tax code, an energy efficiency and clean energy standard, research and development, among other areas of focus. Relatedly, the U.S. House Energy and Commerce Committee released, and has been holding hearings on, the Climate Leadership and Environmental Action for our Nation's ("CLEAN") Future Act, which is expected to influence legislative drafts of the "Build Back Better" initiative. The CLEAN Future Act proposes, among other things, a clean electricity standard that would require electricity suppliers to procure and retire clean energy credits offsetting, in aggregate, 80% of the energy sold by 2030 and 100% by 2035. It would establish an auction-based mechanism for these credits and award partial credits to certain types of carbon-emitting generation that have lower-than-average emissions rates.

"Build Back Better" is currently on two tracks in Congress, with a bipartisan, \$1.2 trillion "core infrastructure" bill that is currently being debated in the Senate and an expected multi-trillion budget reconciliation process to address additional priorities this fall. A Clean Electricity Standard, or similar program, remains a goal of the Biden Administration, despite an unclear political path forward. Energy tax issues remain a strong candidate for inclusion in a reconciliation bill. Although these proposals have not yet resulted in any new legislation being enacted or regulations promulgated, NRG is closely monitoring both legislative and executive agency action and expects to be an active participant as proposals evolve into legislation.

On April 22, 2021, the President announced that the United States' Nationally Defined Contribution to the international Paris Climate Agreement will be an economy-wide reduction in greenhouse gas emissions of 50-52% by 2030, relative to 2005 levels. No methodology to achieve those targets was announced, but legislation encompassing the "Build Back Better" initiative is expected to be the bulk of the effort, with more details expected to be announced by the November 2021 Conference of the Parties 26 meeting in Glasgow, Scotland.

# State and Provincial Energy Regulation

State Proceedings Regarding States' Participation in the Wholesale Market — Various states, including Connecticut, New Jersey, New York and Illinois, as well as the District of Columbia have initiated proceedings to investigate resource adequacy alternatives and to consider its participation in the regional wholesale electricity market constructs, specifically withdrawal from the regional market or implementing a state-directed capacity procurement regime. Any actions taken by the states could affect market design and market prices in the respective regional markets.

#### Regional Regulatory Developments

NRG is affected by rule and tariff changes that occur in the ISO regions. For further discussion on regulatory developments see Note 17, *Regulatory Matters*.

Texas

Legislative Activity Post-Winter Storm Uri — The Texas Legislature convened extensive fact-finding hearings the week after Winter Storm Uri, and subsequently has been highly engaged in policymaking in respect to the energy sector. The focuses of the legislation pertinent to the competitive power sector include the design and governance of the ERCOT wholesale market, the weatherization of sources of power and fuel supply and related infrastructure, retail customer protections for the limited number of residential customers exposed to real-time wholesale-price index products, communications protocols before and during power outage events, and the financial security of market participants and customers including a variety of securitization proposals. A significant number of legislative proposals would direct regulatory agencies, such as the PUCT, to engage in extensive rulemaking. Due to the preliminary nature of the legislation and rulemaking process, it is unclear what, if any, impact these proposals would have on the Company or the ERCOT wholesale market.

In addition, Senate Bill ("SB") 2154, passed during the regular Texas Legislative session, increased the number of Commissioners from three to five. The Governor has appointed, and the Senate has confirmed, Peter Lake to serve as Chairman to the PUCT and Lori Cobos, formerly of the Office of Public Utility Counsel, to serve as PUCT Commissioner. Chairman Lake and Commissioner Cobos join Commissioner McAdams, leaving two open vacancies on the PUCT.

Public Utility Commission of Texas' Actions with Respect to Wholesale Pricing During and After Winter Storm Uri

On February 15, 2021, the PUCT issued an emergency order that required the energy prices of the ERCOT market to reflect the "Value of Lost Load" so long as load was being involuntary curtailed during Energy Emergency Alert 3 ("EEA3") conditions, as directed by ERCOT. This action effectively set the price of energy at \$9,000 per megawatt-hour for the duration of the EEA3 event. Additionally, in the same order, the PUCT temporarily suspended the Low System Wide Offer Cap ("LCAP"), reasoning that if triggered it would have the unintended effect of raising the price cap of the ERCOT market above \$9,000 per megawatt-hour. On February 16, 2021, the PUCT largely reaffirmed its judgement, but rescinded the retroactive

applicability of its February 15, 2021 order to the early hours of February 15, 2021. Consequently, energy prices remained at \$9,000/MWh from late February 15, 2021 to early February 19, 2021, when ERCOT declared the EEA3 conditions terminated.

On February 21, 2021, citing a public emergency, the PUCT issued an order directing retail electricity providers ("REPs") to suspend late fees and cease disconnecting residential and small commercial customers for non-payment. Although the late fee suspension was ended on March 3, 2021, the disconnection prohibition remained in place for several more weeks. On June 15, 2021, the PUCT issued an order ending the disconnection moratorium on June 18, 2021. Beginning June 19, 2021, retail electric providers must issue new disconnection notices to customers and were able to resume disconnections starting June 29, 2021.

On March 4, 2021, after the PUCT lifted its temporary suspension of the LCAP, ERCOT transitioned from using the System Wide Offer Cap ("SWCAP") to the LCAP, which, as amended on June 24, 2021, resulted in the offer cap being reduced from \$9,000 per MWh to \$2,000 per MWh, but enables resource entities to recover their actual marginal costs when the LCAP is in effect. ERCOT makes the transition from the SWCAP to LCAP after a hypothetical gas-fired peaker, using actual power prices, would have made \$315,000 MW/year (achieved on February 16, 2021), which is equal to three times the assumed net cost of new entry. The transition is intended to protect consumers from prolonged periods of extremely high prices in the ERCOT market. This transition of the offer cap may reduce the balance of year 2021 power prices due to the lower offer cap.

As of June 2021, ERCOT has issued operating condition notices more regularly. This has resulted in a substantially higher number of reliability unit commitments, with consequent uplift costs broadly spread to all load-serving entities in ERCOT. Additionally, ERCOT announced that effective July 12, 2021, it would increase the amount of reserves it purchased during the summer and beyond. This increase particularly affects two categories of ancillary services, responsive reserve service and non-spinning reserve service. Increasing the amount of reserves will likely diminish the magnitude of reliability unit commitments. However, the sudden change in the magnitude of demand for these services will result in a larger number of ancillary service costs allocated to load. Ultimately, more comprehensive wholesale market reforms may displace this approach with other market-based approaches.

Activity on Securitization and ERCOT Pricing during Winter Storm Uri — The Texas Legislature acted to pass a variety of securitization vehicles, most notably House Bill ("HB") 4492 and SB1580, to finance exceptionally high power and gas costs from Winter Storm Uri. HB4492 provides for nearly \$3 billion in financing for ERCOT to remedy approximately \$800 million in short payments resulting from defaults and up to \$2.1 billion for highly priced ancillary service and online reliability deployments ("ORDPA") during the event. On July 16, 2021, ERCOT filed two applications requesting the PUCT to issue Debt Obligation Orders (DOOs") in relation to these two categories of cost. Pursuant to HB4492, the PUCT will have until mid-October to issue DOOs in those matters.

Assuming the PUCT issues these DOOs, loans or securitized bonds would be issued with ERCOT or an affiliated entity as the borrower. The proceeds of these borrowings then would be paid to affected market participants for default-related short payments and to load-serving entities for certain ancillary-servicing and ORDPA costs. In turn, these borrowings would be repaid through non-bypassable fees charged to all qualified scheduling entities (in the case of the default financing) and to all load-serving entities (in the case of ancillary services and ORDPA). HB4492 does provide for a one-time opt-out for certain load-serving entities or individual large customers who in exchange for foregoing any securitization-related proceeds likewise avoid future fees associated with repayment of the securitized bonds. However, nearly all competitive REPs are required by the law to participate, ensuring the charge established by the law is competitively neutral. Additionally, in its July 16, 2021 filing, ERCOT asked the PUCT to establish a parallel proceeding to establish rules for affected load-servicing entities to demonstrate eligibility or to claim an opt-out associated with this securitization.

SB1580 provides for and purports to require electric co-operatives with large unpaid balances to ERCOT to securitize those debts and promptly repay ERCOT. If they do not, the law would require the PUCT to order ERCOT to suspend their participation in the wholesale market. Of the defaults in the ERCOT market, two electric co-operatives, Brazos Electric Power Cooperative, Inc. ("Brazos") and Rayburn Country Electric Cooperative, Inc., constitute the vast majority. Brazos currently is in bankruptcy. On June 15, 2021, NRG filed a claim in the bankruptcy proceeding of Brazos.

ERCOT's market protocols provide for the short pay to be extinguished through a process of uplift, whereby the cost of defaults is allocated to all market participants, including retailers, generators, municipal and co-operative utilities, and financial traders. However, the total amount of this uplift is limited by ERCOT's current protocols to \$2.5 million per month. Consequently, it would take approximately 99 years for the current net short-pay balance to be uplifted to the market under the current market rules. NRG's undiscounted share of the uplift based on its current market share is estimated to be approximately \$192 million and has been short-paid \$83 million. The remaining \$109 million has been discounted based on the 99 year repayment term and present value of \$12 million was recorded as an additional liability. Taken together, HB4492 and SB1580 provide an avenue for the complete resolution of market participant defaults and resulting short payments in ERCOT resulting from Winter Storm Uri.

In adopting securitization approaches, the Legislature rejected retroactively repricing of ERCOT market prices. However, litigation on repricing continues. Multiple parties seek to set aside the PUCT orders issued during Winter Storm Uri that set ERCOT pricing at the market price cap. As part of HB4492, any proceeds deriving from litigation must be returned to ERCOT if that litigant is a market participant that avails itself of securitization proceeds.

Reliability and Plant Operations Standards — The PUCT established Project 51840, a rulemaking to establish weatherization standards, and issued a notice for comments in response to provisions of SB3 that require mandatory standards for power generators and others within the electric-power sector. SB3 provides that the standards adopted by the PUCT be implemented by generation owners, be subject to ERCOT inspections, and that ERCOT provide asset owners with a reasonable period of time to remedy any violation. Continuing violations would be subject to an administrative penalty and a requirement that a third-party contractor assess the asset owner's weatherization plans. NRG is participating in the PUCT rulemaking to implement these provisions and has advocated a clear standard applicable to every generation resource type in each zone of ERCOT; for winter, NRG recommended a standard based on temperature, wind chill and duration. Additionally, SB3 required ERCOT to review, coordinate and approve or deny requests of electric generation owners to take plants out of service on planned outages. On July 19, 2021, the PUCT filed draft weatherization standards for discussion purposes and further comment from stakeholders.

#### PJM

PJM'S Variable Resource Requirement Curve — On July 9, 2021, the Court of Appeals for the D.C. Circuit issued a decision denying in part and granting in part an appeal by several PJM state consumer advocates regarding FERC's order approving revisions to PJM's Variable Resource Requirement Curve ("VRR"). The VRR is the demand curve that represents the slope of bids in the auction that ultimately results in the price and quantity of capacity allocated to load-serving entities, including NRG. The VRR curve is based on several inputs, including the Net CONE. The court upheld PJM's use of a greenfield gas-fired combustion turbine as the reference unit to establish Net CONE. However, the court remanded back to FERC the issue of allowing generators to have a 10% adder to their offer to supply capacity in the PJM market. The outcome could affect PJM's capacity market prices.

PJM Revisions to Minimum Offer Price Rule — On July 30, 2021, PJM filed a proposed tariff change at FERC to largely eliminate the current minimum offer price rules ("MOPR") except in very narrow cases. The proposal would eliminate: (i) the current MOPR for new entrant natural gas resources effective with the 2023/2024 delivery year and (ii) the expanded MOPR established in FERC's December 2019 Order to address out-of-market subsidies. The proposed revisions would allow PJM to address specific and narrow instances of buyer-side market power through subsequent filings at FERC. Any changes to the PJM capacity market construct may impact the outcome of the Base Residual Auction to be held in December 2021 for the 2023/2024 delivery year and future auctions.

Independent Market Monitor Market Seller Offer Cap Complaint — On February 21, 2019, the Independent Market Monitor filed a complaint alleging that the current Market Seller Offer Cap is too high. A number of parties, including PJM, filed protests to the filing arguing that, among other things, the Market Monitor failed to support its claim that the expected number of performance hours used to calculate the cap is overstated. On March 18, 2021, finding that the calculation of the default Market Seller Offer Cap was unjust and unreasonable, the Order permitted the current PJM May 2021 capacity auction for the 2022/2023 delivery rule to continue under the existing rules and set a procedural schedule for parties to file briefs with possible solutions. Briefing is complete, and the matter is pending at FERC. As a result of this proceeding, default market caps could be lower.

Indiana Municipal Power Agency and City of Lawrenceburg, Indiana Complaint on Station Power — On September 17, 2020, FERC issued an order in response to a complaint and request for declaratory judgement challenging the station power wholesale netting provisions in PJM's tariff. FERC found that it does not have jurisdiction over the supply of station power and the provision of station power is a retail sale subject to state jurisdiction. The order established a Section 206 proceeding and required PJM to submit a filing to show why the station service netting provisions of its tariff are just and reasonable. Lawrenceburg Power, LLC filed for rehearing, which was denied by operation of law on November 19, 2020 and they subsequently appealed to the United States Court of Appeals for the District of Columbia Circuit. The matter is pending. On November 23, 2020, PJM submitted its station power compliance filing to FERC. In an April 27, 2021 Order, FERC found that PJM's Tariff regarding station power netting was unjust and unreasonable, but accepted in part and rejected in part PJM's compliance filing, and required PJM to make an additional compliance filing within 30 days of the Order. On May 27, 2021, PJM made an additional compliance filing. This decision could affect the rates that plants pay for station power.

# New England

FERC Changes to Capacity Markets — FERC held a technical conference on Modernizing Electric Market Design for the New England markets on May 25, 2021. ISO-NE leadership represented that they would work on Minimum Offer Price Rule and other related matters with the expectation of making a filing for FERC's consideration in early 2022.

# California

California Resource Adequacy Proceedings — Since a summer 2020 heat storm that resulted in emergency load curtailments, the State of California and CAISO have embarked on numerous new regulatory activities while redirecting existing proceedings related to the topic of resource adequacy. On March 25, 2021, the CPUC directed the state's major investor-owned utilities to engage in up to 1.5 GW of emergency procurement for 2021 and 2022. In the same docket, the CPUC approved a new demand response program for use during emergency conditions. As part of the Integrated Resource Procurement docket, the CPUC approved a decision on June 24, 2021 that will require all Load Serving Entities to procure a pro rata share of 11.5 GW of new non-fossil resource adequacy from 2023 to 2026. To replace the retiring Diablo Canyon nuclear plant, this will consist largely of GHG-free energy, long-duration storage, baseload renewables and energy storage. The CPUC and CAISO are also proposing major structural reforms of the resource adequacy program in California that would begin in 2024.

Midway-Sunset Reliability Must Run Proceeding — San Joaquin Energy, LLC, a subsidiary of NRG, owns a 50%, non-controlling interest in the Midway-Sunset Cogeneration Company ("MSCC"). MSCC owns a cogeneration facility near Fellows, California and submitted mothball notices for the cogeneration facility to the CAISO in the latter half of 2020. On December 17, 2020, the CAISO Board effectively rejected the mothball notices by authorizing its staff to designate the MSCC facility as a reliability must-run ("RMR") resource conditioned on execution of a RMR contract. On January 29, 2021, MSCC made its RMR filing at FERC. Multiple parties filed protests and on March 16, 2021, MSCC filed a response to those protests. On April 2, 2021, FERC accepted the RMR filing, suspended it to become effective February 1, 2021 subject to refund and established hearing and settlement judge proceedings. The parties are engaging in settlement proceedings.

# Canada

Alberta Energy Market — In December 2020, prior to its acquisition by NRG, Direct Energy filed a Non-Energy Rate Application with the Alberta Utilities Commission ("AUC") to approve cost recovery for the 2020-2022 period. Major cost elements of this application relate to bad debt, corporate costs, and customer care and billing contracts. The Company engaged in a mediation and settlement process, and on April 20, 2021 an all-party settlement was executed, and was filed with the AUC on April 23, 2021. The AUC approved the settlement agreement on June 4, 2021. Separately, the Company received approval from the AUC of a negotiated rate settlement for its electricity focused 2020-2022 Energy Price Setting Plan which went into effect on July 1, 2021. The Company is also in the process of completing the last repayment to the Balancing Pool and the Alberta government as part of its 90-day utility bill deferral program. This program, effective March 18, 2020, was designed to assist residential, farms, and small business customers who were negatively affected by COVID-19 related economic circumstances by temporarily deferring their utility bill payments. The program was also designed to mitigate bad debt risks associated with the implementation of the program.

# **Environmental Regulatory Matters**

NRG is subject to numerous environmental laws in the development, construction, ownership and operation of power plants. These laws generally require that governmental permits and approvals be obtained before construction and maintained during operation of power plants. Federal and state environmental laws historically have become more stringent over time. Future laws may require the addition of emissions controls or other environmental controls or impose restrictions on the Company's operations. Complying with environmental laws often involves specialized human resources and significant capital and operating expenses, as well as occasionally curtailing operations. The COVID-19 pandemic may prevent the Company from complying with certain of its environmental requirements, which federal and state regulators have recognized. NRG decides to invest capital for environmental controls based on the relative certainty of the requirements, an evaluation of compliance options, and the expected economic returns on capital.

A number of regulations that affect the Company have been revised recently by the EPA, including ash storage and disposal requirements, NAAQS revisions and implementation and effluent limitation guidelines. Some of these recent revisions may, in turn, be revised by the new U.S. presidential administration. NRG will evaluate the impact of these regulations as they are revised but cannot fully predict the impact of each until anticipated revisions and legal challenges are resolved. The Company's environmental matters are described in the Company's 2020 Form 10-K in Item 1, Business - *Environmental Matters* and Item 1A, Risk Factors. These matters have been updated in Note 18, *Environmental Matters*, to the condensed consolidated financial statements of this Form 10-Q and as follows.

# Air

The CAA and the resulting regulations (as well as similar state and local requirements) have the potential to affect air emissions, operating practices and pollution control equipment required at power plants. Under the CAA, the EPA sets NAAQS for certain pollutants including SO<sub>2</sub>, ozone, and PM2.5. Many of the Company's facilities are located in or near areas that are classified by the EPA as not achieving certain NAAQS (non-attainment areas). The relevant NAAQS may become more stringent. The Company maintains a comprehensive compliance strategy to address continuing and new requirements.

Complying with increasingly stringent air regulations could require the installation of additional emissions control equipment at some NRG facilities or retiring of units if installing such controls is not economic. Significant changes to air regulatory programs affecting the Company are described below.

CPP/ACE Rules — The attention in recent years on GHG emissions has resulted in federal and state regulations. In October 2015, the EPA promulgated the CPP, addressing GHG emissions from existing EGUs. On February 9, 2016, the U.S. Supreme Court stayed the CPP. In July 2019, EPA promulgated the ACE rule, which rescinded the CPP, which had sought to broadly regulate CO<sub>2</sub> emissions from the power sector. On January 19, 2021, the D.C. Circuit vacated the ACE rule (but on February 22, 2021, at the EPA's request, stayed the issuance of the portion of the mandate that would vacate the repeal of the CPP). Accordingly, we expect the EPA to promulgate a new rule to regulate GHG emissions from power plants.

# Byproducts, Wastes, Hazardous Materials and Contamination

In April 2015, the EPA finalized the rule regulating byproducts of coal combustion (e.g., ash and gypsum) as solid wastes under the RCRA. In September 2017, the EPA agreed to reconsider the rule. On July 30, 2018, the EPA promulgated a rule that amends the existing ash rule by extending some of the deadlines and providing more flexibility for compliance. On August 21, 2018, the D.C. Circuit found, among other things, that the EPA had not adequately regulated unlined ponds and legacy ponds. In 2019 and 2020, the EPA proposed several changes to this rule. On August 28, 2020, the EPA finalized "A Holistic Approach to Closure Part A: Deadline to Initiate Closure," which amended the April 2015 Rule to address the August 2018 D.C. Circuit decision and extend some of the deadlines. On November 12, 2020, the EPA finalized "A Holistic Approach to Closure Part B: Alternative Demonstration for Unlined Surface Impoundments," which further amended the April 2015 Rule to, among other things, provide procedures for requesting approval to operate existing ash impoundments with an alternate liner. The Company has updated its estimates of required environmental capital expenditures to address this revised rule.

# **Domestic Site Remediation Matters**

Under certain federal, state and local environmental laws, a current or previous owner or operator of a facility, including an electric generating facility, may be required to investigate and remediate releases or threatened releases of hazardous or toxic substances or petroleum products. NRG may be responsible for property damage, personal injury and investigation and remediation costs incurred by a party in connection with hazardous material releases or threatened releases. These laws impose liability without regard to whether the owner knew of or caused the presence of the hazardous substances, and the courts have interpreted liability under such laws to be strict (without fault) and joint and several. Cleanup obligations can often be triggered during the closure or decommissioning of a facility, in addition to spills during its operations. Further discussions of affected NRG sites can be found in Note 16, *Commitments and Contingencies*, to the condensed consolidated financial statements.

Nuclear Waste — The federal government's program to construct a nuclear waste repository at Yucca Mountain, Nevada was discontinued in 2010. Since 1998, the U.S. DOE has been in default of the federal government's obligations to begin accepting spent nuclear fuel, or SNF, and high-level radioactive waste, or HLW, under the Nuclear Waste Policy Act. Owners of nuclear plants, including the owners of STP, had been required to enter into contracts setting out the obligations of the owners and the U.S. DOE, including the fees to be paid by the owners for the U.S. DOE's services to license a spent fuel repository. Effective May 16, 2014, the U.S. DOE stopped collecting the fees.

On February 5, 2013, STPNOC entered into a settlement agreement with the U.S. DOE for payment of damages relating to the U.S. DOE's failure to accept SNF and HLW under the Nuclear Waste Policy Act through December 31, 2013, which has been extended three times through addendums to cover payments through December 31, 2022. There are no facilities for the reprocessing or permanent disposal of SNF currently in operation in the U.S., nor has the NRC licensed any such facilities. STPNOC currently stores all SNF generated by its nuclear generating facilities on-site. STPNOC plans to continue to assert claims against the U.S. DOE for damages relating to the U.S. DOE's failure to accept SNF and HLW.

Under the federal Low-Level Radioactive Waste Policy Act of 1980, as amended in 1985, the state of Texas is required to provide, either on its own or jointly with other states in a compact, for the disposal of all low-level radioactive waste generated within the state. Texas is currently in a compact with the state of Vermont, and the compact low-level waste facility located in Andrews County in Texas has been operational since 2012.

# Water

The Company is required under the CWA to comply with intake and discharge requirements, requirements for technological controls and operating practices. As with air quality regulations, federal and state water regulations have become more stringent and imposed new requirements.

Effluent Limitations Guidelines — In November 2015, the EPA revised the Effluent Limitations Guidelines for Steam Electric Generating Facilities, which imposed more stringent requirements (as individual permits were renewed) for wastewater streams from FGD, fly ash, bottom ash, and flue gas mercury control. On September 18, 2017, the EPA promulgated a final rule that, among other things, postponed the compliance dates to preserve the status quo for FGD wastewater and bottom ash

transport water by two years to November 2020 until the EPA amended the rule. On October 13, 2020, the EPA amended the 2015 ELG rule by: (i) altering the stringency of certain limits for FGD wastewater; (ii) relaxing the zero-discharge requirement for bottom ash transport water; and (iii) changing several deadlines. The Company is in the process of estimating the environmental capital expenditures that will be required to comply. The capital expenditures required to comply will depend on elections regarding future operations of each coal-fired unit. NRG expects to make these elections for each unit in the fourth quarter of 2021 at which time the EPA will be notified as required. Accordingly, we do not expect to provide estimates of ELG compliance costs until early 2022. On July 26, 2021, the EPA announced that it is initiating a new rulemaking to evaluate revising the ELG rule. While the EPA is developing the new rule, the existing rule (as amended in 2020) will stay in place, and the EPA expects permitting authorities to continue to implement the current regulation. The EPA anticipates releasing a proposed rule in fall 2022.

# Regional Environmental Developments

Ash Regulation in Illinois — On July 30, 2019, Illinois enacted legislation that requires the state to promulgate regulations regarding coal ash at surface impoundments. On April 15, 2021, the state promulgated the implementing regulation, which became effective on April 21, 2021. The new regulation requires NRG to apply for initial operating permits for its coal ash surface impoundments by October 31, 2021 and construction permits (for closure) starting in 2022.

#### **Significant Events**

The following significant events have occurred during 2021 as further described within this Management's Discussion and Analysis and the condensed consolidated financial statements:

Extreme Weather Event in Texas During February 2021

During February 2021, Texas experienced unprecedented cold temperatures for a prolonged duration, resulting in a power emergency, blackouts, and an estimated all-time peak demand of 77 GW (without load shed). Ahead of the event, NRG launched residential customer communications calling for conservation across all of its brands, and initiated residential and commercial and industrial demand response programs to curtail customer load. The Company maximized available generating capacity and brought in additional resources to supplement in-state staff with technical and operating experts from the rest of its U.S. fleet.

During the six months ended June 30, 2021, Winter Storm Uri's financial impact to loss before income taxes was a loss of \$1 billion. A number of factors may mitigate or increase the financial impact, such as recently passed regulatory securitization packages, finalizing meter and settlement data, potential customer and counterparty risk including ERCOT's shortfall payments and uplift charges, and one-time cost savings.

Direct Energy Acquisition

On January 5, 2021, the Company acquired Direct Energy, a North American subsidiary of Centrica. Direct Energy is a leading retail provider of electricity, natural gas, and home and business energy related products and services in North America, with operations in all 50 U.S. states and 8 Canadian provinces. The acquisition increases NRG's retail portfolio by over 3 million customers and complements its integrated model. It also broadens the Company's presence in the Northeast and into states and locales where it does not currently operate, supporting NRG's objective to diversify its business.

The Company paid an aggregate purchase price of \$3.625 billion in cash and an initial purchase price adjustment of \$77 million. The Company funded the purchase price using a combination of \$715 million of cash on hand, \$166 million from a draw on its Revolving Credit Facility (of which \$107 million was used to fund acquisition costs and financing fees that are not included in the aggregate purchase price above), as well as approximately \$2.9 billion in secured and unsecured corporate debt issued in December 2020. The purchase price adjustment resulted in a reduction of \$3 million, which is in negotiation with Centrica. The Company expects to receive this payment from Centrica during 2021. NRG expects to realize annual synergies of \$135 million, \$225 million, and \$300 million in 2021, 2022, and 2023, respectively.

# Limestone Extended Outage

In early July 2021, Limestone Unit 1 came offline as a result of damage to the duct work associated with the flue gas desulfurization system. Based on management's current assessment of necessary remediation efforts, Unit 1 is expected to remain on an outage through the end of 2021.

Retirement of 1,600 MWs of PJM coal capacity

During the second quarter of 2021, the results of the PJM Base Residual Auction for the 2022/2023 delivery year were released, leading the Company to announce the near-term retirement of a significant portion of its PJM coal generating assets in June 2022. On July 30, 2021, PJM identified reliability impacts resulting from the proposed deactivation of one of those assets, Indian River Unit 4. The Company has until August 29, 2021 to notify PJM if it elects not to pursue continued operations. The Company recorded impairment losses of \$271 million and \$35 million on the PJM generating assets and Midwest Generation

goodwill, respectively, in connection with the decline in PJM capacity prices and the near-term retirement dates of certain assets, Note 8, *Impairments*. The Company is continuing to evaluate the viability of the remaining PJM generating assets in light of the auction results.

Sale of Agua Caliente

On February 3, 2021, the Company completed the sale of its 35% ownership in Agua Caliente to Clearway Energy, Inc. for \$202 million. NRG recognized a gain on the sale of \$17 million, including cash disposed of \$7 million. On October 21, 2019, the Company had repaid the Agua Caliente Borrower 1 notes associated with the project of \$83 million.

Sale of 4.8 GW of Fossil Generation Assets

On February 28, 2021, the Company entered into a definitive purchase agreement with Generation Bridge, an affiliate of ArcLight Capital Partners, to sell approximately 4,850 MW of fossil generating assets from its East and West regions of operations for total proceeds of \$760 million, subject to standard purchase price adjustments and certain other indemnifications. The purchase price adjustments will include a working capital deduction for cash flows generated of approximately \$11 million per month from the beginning of the year until the closing of the transaction, in lieu of cash flows generated during the year. As part of the transaction, NRG is entering into a tolling agreement for its 866 MW Arthur Kill plant in New York City through April 2025.

The transaction is expected to close by the end of 2021 and is subject to various closing conditions, approvals and consents, including from FERC and NYPSC. The transaction received approval under the Hart-Scott-Rodino Act.

Renewable Power Purchase Agreements

The Company's strategy is to procure mid to long-term generation through power purchase agreements. As of June 30, 2021, NRG has entered into PPAs totaling approximately 2.2 GW with third-party project developers and other counterparties. The tenor of these agreements is an average of twelve years. The Company expects to continue evaluating and executing similar agreements that support the needs of the business. Due to COVID-19, certain of these PPA contracts have been amended to allow for the delay of project completion dates from mid-2021 into 2022. These amendments include improved terms for NRG.

#### COVID-19

As the COVID-19 pandemic continues, NRG remains focused on protecting the health and well-being of its employees, while supporting its customers and the communities in which it operates and assuring the continuity of its operations. During 2020, NRG migrated a substantial portion of its employees to a remote work environment. The first COVID-19 vaccine became available in the United States in December 2020. Vaccines have become increasingly accessible since the initial rollout and all adults across the nation became eligible to receive a vaccine as of April 19, 2021. The Company has completed its phased approach to return employees to the offices following a set of safety protocols to ensure employee well-being.

While the pandemic presents risks to the Company's business, as further described in the Company's 2020 Form 10-K in Part II, Item 1A — *Risk Factors*, there was not a material adverse impact on the Company's results of operations for the six months ended June 30, 2021. NRG believes it has sufficient liquidity on hand to continue business operations in light of current circumstances posed by the pandemic. As disclosed in the Liquidity and Capital Resources section, the Company has total available liquidity of \$3.3 billion as of June 30, 2021, consisting of cash on hand, its Revolving Credit Facility, and additional facilities.

The situation surrounding COVID-19 remains fluid and the potential for a material adverse impact on the Company exists as long as the virus impacts the level of economic activity in the United States and abroad. While the Company expects the risk to decrease as vaccinations continue to be administered, NRG cannot reasonably estimate with any degree of certainty the full impact COVID-19, nor any resurgence of COVID-19, may have on the Company's results of operations, financial position, and liquidity. The extent to which the COVID-19 pandemic may impact the Company's business, operating results, financial condition, risk exposure or liquidity will depend on future developments, including the duration of the pandemic, travel restrictions, business and workforce disruptions, any resurgence of the pandemic and the effectiveness of actions taken to contain, mitigate and treat the disease.

## Trends Affecting Results of Operations and Future Business Performance

The Company's trends are described in the Company's 2020 Form 10-K in Item 7, Management's Discussion and Analysis of Financial Condition and Results of Operations - Business Environment.

#### **Changes in Accounting Standards**

See Note 2, Summary of Significant Accounting Policies, for a discussion of recent accounting developments.

# **Consolidated Results of Operations**

The following table provides selected financial information for the Company:

	Three	mon	ths ended	June 30,	Six m	une 30,	
(In millions, except as otherwise noted)	2021		2020	Change	2021	Change	
Operating Revenues							
Retail revenue	\$ 4,816	\$	1,832	\$ 2,984	\$ 10,978	\$ 3,493	\$7,485
Energy revenue <sup>(a)</sup>			83	88	653	207	446
Capacity revenue <sup>(a)</sup>	271		195	76	426	344	82
Mark-to-market for economic hedging activities	(70	)	43	(113)	(102)	39	(141)
Contract amortization	(16	)	_	(16)	(16)	_	(16)
Other revenues <sup>(a)(b)</sup>	71		85	(14)	1,395	174	1,221
Total operating revenues	5,243		2,238	3,005	13,334	4,257	9,077
Operating Costs and Expenses							
Cost of Sales (c)	4,014		1,135	(2,879)	11,197	2,284	(8,913)
Mark-to-market for economic hedging activities	(1,587		(44)	1,543	(2,340)	(92)	2,248
Contract and emissions credit amortization (c)	63		1	(62)	64	2	(62)
Operations and maintenance	368		279	(89)	720	572	(148)
Other cost of operations	99		63	(36)	180	125	(55)
Total cost of operations	2,957		1,434	(1,523)	9,821	2,891	(6,930)
Depreciation and amortization	53		110	57	370	219	(151)
Impairment losses			_	(306)	306	_	(306)
Selling, general and administrative costs	308		186	(122)	638	377	(261)
Provision for credit losses			24	(16)	651	48	(603)
Acquisition-related transaction and integration costs				(22)	64		(64)
Total operating costs and expenses	3,686		1,754	(1,932)	11,850	3,535	(8,315)
Gain on sale of assets					17	6	11
Operating Income	1,557		484	1,073	1,501	728	773
Other Income/(Expense)							
Equity in earnings of unconsolidated affiliates	14		12	2	8	1	7
Impairment losses on investments	_			_	_	(18)	18
Other income, net	12		14	(2)	34	40	(6)
Interest expense			(96)	(29)	(252)	(193)	(59)
Total other expense	(99		(70)	(29)	(210)	(170)	(40)
Income Before Income Taxes	1,458		414	1,044	1,291	558	733
Income tax expense	380		101	(279)	295	124	(171)
Net Income	\$ 1,078	\$	313	\$ 765	\$ 996	\$ 434	\$ 562
<b>Business Metrics</b>							
Average natural gas price — Henry Hub (\$/MMBtu)	\$ 2.83	\$	1.72	65 %	\$ 2.76	\$ 1.83	51 %

<sup>(</sup>a) Includes gains and losses from financially settled transactions

<sup>(</sup>b) Includes trading gains and losses and ancillary revenues(c) Includes amortization of SO<sub>2</sub> and NO<sub>x</sub> credits and excludes amortization of RGGI credits

#### Management's discussion of the results of operations for the three months ended June 30, 2021 and 2020

# **Electricity Prices**

The following table summarizes average on peak power prices for each of the major markets in which NRG operates for the three months ended June 30, 2021 and 2020. The average on-peak power prices increased across the regions for the three months ended June 30, 2021 as compared to the same period in 2020 as a result of increased natural gas prices and warmer June temperatures in California.

	Average on Peak Power Price (\$/MWh)											
	Three months ended June 30,											
Region	2021	2020	Change %									
Texas	_											
ERCOT - Houston <sup>(a)</sup>	53.38	\$ 24.34	119 %									
ERCOT - North <sup>(a)</sup>	43.05	20.03	115 %									
East												
NY J/NYC <sup>(b)</sup>	32.65	\$ 19.01	72 %									
NEPOOL <sup>(b)</sup>	33.67	20.25	66 %									
COMED (PJM) <sup>(b)</sup>	32.12	19.28	67 %									
PJM West Hub <sup>(b)</sup>	33.71	20.79	62 %									
West												
MISO - Louisiana Hub <sup>(b)</sup> \$	34.68	\$ 22.06	57 %									
CAISO - SP15 <sup>(b)</sup>	36.90	19.21	92 %									

<sup>(</sup>a) Average on peak power prices based on real time settlement prices as published by the respective ISOs

The following table summarizes average realized power prices for NRG, including the impact of settled hedges, for the three months ended June 30, 2021 and 2020:

Average Deeliged Device Dries (C/MWh)

	Average Realized Power Price (5/M/W/n)											
		Three	mon	ths ended June	e <b>30</b> ,							
<u>Segment</u>		2021		2020	Change %							
East <sup>(a)</sup>	\$	34.87	\$	28.41	23 %							
West/Services/Other		32.76		27.45	19							

<sup>(</sup>a) Average Realized Power Price reflects energy sales from the generation fleet, omitting sales to the retail component of the East Segment. Intercompany financial transactions hedging generation with the retail business make up (\$3.32)/MWh in the three months ended June 30, 2021 and \$12.99/MWh in the three months ended June 30, 2020

The average realized power prices increased in East and West/Services/Other for the three months ended June 30, 2021 as compared to the same period in 2020 as a result of higher natural gas prices and warmer June temperatures in California, partially offset by previously executed hedges.

# Gross Margin

The Company calculates gross margin in order to evaluate operating performance as operating revenues less cost of sales, which includes cost of fuel, other costs of sales, contract and emission credit amortization and mark-to-market for economic hedging activities.

#### Economic Gross Margin

In addition to gross margin, the Company evaluates its operating performance using the measure of economic gross margin, which is not a GAAP measure and may not be comparable to other companies' presentations or deemed more useful than the GAAP information provided elsewhere in this report. Economic gross margin should be viewed as a supplement to and not a substitute for the Company's presentation of gross margin, which is the most directly comparable GAAP measure. Economic gross margin is not intended to represent gross margin. The Company believes that economic gross margin is useful to investors as it is a key operational measure reviewed by the Company's chief operating decision maker. Economic gross margin is defined as the sum of energy revenue, capacity revenue, retail revenue and other revenue, less cost of fuels and other

<sup>(</sup>b) Average on peak power prices based on day ahead settlement prices as published by the respective ISOs

cost of sales. Economic gross margin does not include mark-to-market gains or losses on economic hedging activities, contract amortization, emission credit amortization, or other operating costs.

The below tables present the composition and reconciliation of gross margin and economic gross margin for the three months ended June 30, 2021 and 2020:

	Three months ended June 30, 2021										
In millions)	Т	exas		East		:/Services/ Other	Corporate/ Eliminations		Total		
Retail revenue	\$	1,958	\$	2,366	\$	493	\$ (1	) {	4,8		
Energy revenue		14		101		55	1		1		
Capacity revenue		_		255		16	_		2		
Mark-to-market for economic hedging activities		(3)		(46)		(26)	5		(		
Contract amortization		_		(8)		(8)	_		(		
Other revenue <sup>(a)</sup>		56		10		7	(2	)			
Operating revenue		2,025		2,678		537	3		5,2		
Cost of fuel		(214)		(45)		(39)			(2		
Purchased power		(410)		(1,645)		(105)	_		(2,1		
Other cost of sales <sup>(b)(c)</sup>		(764)		(483)		(309)	_		(1,5		
Mark-to-market for economic hedging activities		628		897		67	(5	)	1,5		
Contract and emission credit amortization		8		(73)		2			,-		
Gross margin	<u>s</u>	1,273	<u>\$</u>		\$	153	<b>\$</b> (2	) 5			
Less: Mark-to-market for economic hedging activities, net	-	625	•	851	-	41	_		1,5		
Less: Contract and emission credit amortization, net		8		(81)		(6)	_		1,0		
Economic gross margin		640	<u> </u>	559	\$	118	<b>\$</b> (2	) 5			
(a) Includes trading gains and losses and ancillary revenues	,						, ,	,	,-		
(b) Includes capacity and emissions credits											
(c) Includes \$612 million and \$33 million of TDSP expense in Texas and East,	respect	vely									
usiness Metrics											
Retail sales											
Home electricity sales volume (GWh)		10,632		3,608		237			14,		
Business electricity sales volume (GWh)		8,074		13,512		1,431			23,		
Home natural gas sales volume (MDth)		_		13,230		12,188			25,		
Business natural gas sales volume (MDth)		_		353,185		_			353,		
Average retail Home customer count (in thousands) (a)		3,076		2,041		814			5,		
Ending retail Home customer count (in thousands) (a)		3,027		2,027		809			5,		
Power generation											
GWh sold		9,878		2,475		1,679			14,		
GWh generated: <sup>(b)</sup>				1,240		_			6,		
		4,791		1,240							
GWh generated:(b)		4,791 2,896		468		1,650			5,		
GWh generated: <sup>(b)</sup> Coal						1,650 —					
GWh generated: <sup>(b)</sup> Coal  Gas		2,896		468		1,650 — —			5,0		

Three	months	ended	June 30, 202	0

(\$ In millions)		Texas		East	Ser	West/ vices/Other	Co Eli	orporate/ minations		Total
Retail revenue	\$	1,521	\$	290	\$	21	\$		\$	1,832
Energy revenue		5		19		60		(1)		83
Capacity revenue		_		179		16		_		195
Mark-to-market for economic hedging activities		_		40		1		2		43
Other revenue		52		17		17		(1)		85
Operating revenue		1,578		545		115				2,238
Cost of fuel		(123)		(19)		(30)				(172)
Purchased power		(203)		(97)		(3)		3		(300)
Other cost of sales <sup>(a)(b)</sup>		(554)		(87)		(21)		(1)		(663)
Mark-to-market for economic hedging activities		41		5		_		(2)		44
Contract and emission credit amortization		(1)		_		_		_		(1)
Gross margin		738	\$	347	\$	61	\$		\$	1,146
Less: Mark-to-market for economic hedging activities, net		41		45	Ψ.	1	Ψ	_		87
Less: Contract and emission credit amortization, net		(1)				_		_		(1)
Economic gross margin	\$	698	\$	302	•	60	\$		\$	1,060
(a) Includes capacity and emissions credits	Ψ	070	Ψ	302	Ψ	00	Ψ		Ψ	1,000
<ul><li>(a) Includes capacity and emissions credits</li><li>(b) Includes \$485 million and \$3 million of TDSP expense in Texas and East, r</li></ul>	esnec	tively								
Business Metrics	сэрсс	uvery								
Retail sales										
Home electricity sales volume (GWh)		9,763		2,355		_				12,118
Business electricity sales volume (GWh)		4,213		365		_				4,578
Home natural gas sales volume (MDth)		_		3,591		_				3,591
Average retail Home customer count (in thousands) <sup>(a)</sup>		2,442		1,190		_				3,632
Ending retail Home customer count (in thousands) <sup>(a)</sup>		2,447		1,171		_				3,618
Power generation .										
GWh sold		7,565		1,232		2,186				10,983
GWh generated <sup>(b)</sup>										
Coal		3,777		59		_				3,836
Gas		1,341		479		2,246				4,066
Nuclear		2,260		_		_				2,260
Oil		_		66		_				66
Total		7,378		604		2,246				10,228
(a) Home customer count includes recurring residential customers and municipal	l aggı	regations								

<sup>(</sup>b) Includes owned and leased generation, and excludes equity investments

The table below represents the weather metrics for the three months ended June 30, 2021 and 2020:

	Three months ended June 30,									
Weather Metrics	Texas	East	West/Services/ Other (b)							
2021										
CDDs <sup>(a)</sup>	899	362	521							
HDDs <sup>(a)</sup>	82	541	192							
2020										
CDDs	1,012	353	562							
HDDs	70	634	178							
10-year average										
CDDs	1,003	356	557							
HDDs	59	521	193							

- (a) National Oceanic and Atmospheric Administration-Climate Prediction Center A Cooling Degree Day, or CDD, represents the number of degrees that the mean temperature for a particular day is above 65 degrees Fahrenheit in each region. A Heating Degree Day, or HDD, represents the number of degrees that the mean temperature for a particular day is below 65 degrees Fahrenheit in each region. The CDDs/HDDs for a period of time are calculated by adding the CDDs/HDDs for each day during the period
- (b) The West/Services/Other weather metrics are comprised of the average of the CDD and HDD regional results for the West California and West South Central regions

# Gross Margin and Economic Gross Margin

Gross margin increased \$1.6 billion and economic gross margin increased \$255 million during the three months ended June 30, 2021, compared to the same period in 2020.

The tables below describe the changes in gross margin and economic gross margin by segment:

# **Texas**

	(In millions)
Lower gross margin due to Winter Storm Uri, primarily due to revenue estimation true ups to billed amounts to customers	\$ (45)
The following explanations exclude the impact of Winter Storm Uri:	
Lower gross margin primarily due to a 28% increase in overall average costs to serve the retail load, driven primarily by increases in power and fuel costs, totaling \$93 million; partially offset by increased net revenue rates as a result of changes in customer term, product and mix of \$2.75 per MWh, or \$42 million	(51)
Lower net revenue due to a decrease in load of 346,000 MWhs from weather	(29)
Lower gross margin from market optimization activities	(6)
Lower gross margin due to an increase in net ancillary charges, driven by ERCOT's post Winter Storm Uri activities to better manage generation resources. This has resulted in increased ancillary costs across the Texas portfolio	(5)
Higher gross margin due to increased volumes from the acquisition of Direct Energy in January 2021	78
Decrease in economic gross margin	\$ (58)
Increase in mark-to-market for economic hedging primarily due to net unrealized gains/losses on open positions related to economic hedges	584
Increase in contract and emission credit amortization	9
Increase in gross margin	\$ 535

# East

	(In	millions)
Higher gross margin due to Winter Storm Uri, primarily due to revenue estimation true ups to billed amounts to customers	\$	(8)
The following explanations exclude the impact of Winter Storm Uri:		
Higher gross margin due to increased volumes from the acquisition of Direct Energy in January 2021, including \$94 million from natural gas and \$126 million from power		220
Higher business demand response gross margin primarily from the early settlement of capacity obligations in 2021 compared to the same period in 2020		63
Higher gross margin due to an increase in economic generation volumes, primarily due to dark spread expansion in 2021 and planned outages in 2020		12
Lower gross margin from lower volumes due to attrition and customer mix of \$11 million and higher supply costs of \$11 million, partially offset by higher revenue of \$4 million		(18)
Lower gross margin due to a 20% decrease in New England capacity prices and a 3% decrease in PJM capacity volumes, partially offset by a 9% increase in New York realized capacity prices		(7)
Other		(5)
Increase in economic gross margin	\$	257
Increase in mark-to-market for economic hedging primarily due to net unrealized gains/losses on open positions related to economic hedges		806
Decrease in contract amortization		(81)
Increase in gross margin	\$	982
West/Services/Other		
		millions)
Higher gross margin due to increased volumes from the acquisition of Direct Energy in January 2021	\$	74
Lower gross margin primarily at Cottonwood, driven by a 67% increase in fuel cost while realized power prices remained constant		(14)
Lower gross margin due to commercial optimization activities		(5)
Other		3
Increase in economic gross margin	\$	58
Increase in mark-to-market for economic hedging primarily due to net unrealized gains/losses on open positions related to economic hedges		40
Decrease in contract amortization		(6)
Increase in gross margin	\$	92

# Mark-to-Market for Economic Hedging Activities

Mark-to-market for economic hedging activities includes asset-backed hedges that have not been designated as cash flow hedges. Total net mark-to-market results increased by \$1.4 billion during the three months ended June 30, 2021, compared to the same period in 2020.

The breakdown of gains and losses included in operating revenues and operating costs and expenses by segment was as follows:

	Three months ended June 30, 2021											
(In millions)		Texas		East	We	est/Services/ Other	E	liminations		Total		
Mark-to-market results in operating revenues												
Reversal of previously recognized unrealized (gains) on settled positions related to economic hedges	\$	(1)	\$	(4)	\$	_	\$	(1)	\$	(6)		
Reversal of acquired (gain) positions related to economic hedges		_		(1)		_		_		(1)		
Net unrealized (losses) on open positions related to economic hedges		(2)		(41)		(26)		6		(63)		
Total mark-to-market (losses) in operating revenues	\$	(3)	\$	(46)	\$	(26)	\$	5	\$	(70)		
Mark-to-market results in operating costs and expenses						,						
Reversal of previously recognized unrealized losses/(gains) on settled positions related to economic hedges	\$	30	\$	(1)	\$	(2)	\$	1	\$	28		
Reversal of acquired loss positions related to economic hedges		31		59		14		_		104		
Net unrealized gains on open positions related to economic hedges		567		839		55		(6)		1,455		
Total mark-to-market gains in operating costs and expenses	\$	628	\$	897	\$	67	\$	(5)	\$	1,587		
				Three	non	ths ended J	une :	30, 2020				
					W	est/Services/						

	1111 00 1110 1110 1110 1110 0 0 0 0 0 0									
(In millions)		Texas		East	We	est/Services/ Other	E	liminations		Total
Mark-to-market results in operating revenues										
Reversal of previously recognized unrealized (gains)/losses on settled positions related to economic hedges	\$	(1)	\$	18	\$	_	\$	1	\$	18
Net unrealized gains on open positions related to economic hedges		1		22		1		1		25
Total mark-to-market gains in operating revenues	\$		\$	40	\$	1	\$	2	\$	43
Mark-to-market results in operating costs and expenses										
Reversal of previously recognized unrealized losses/(gains) on settled positions related to economic hedges	\$	14	\$	_	\$	(1)	\$	(1)	\$	12
Reversal of acquired loss positions related to economic hedges		2		1		_		_		3
Net unrealized gains on open positions related to economic hedges		25		4		1		(1)		29
Total mark-to-market gains in operating costs and expenses	\$	41	\$	5	\$		\$	(2)	\$	44

Mark-to-market results consist of unrealized gains and losses on contracts that are not yet settled. The settlement of these transactions is reflected in the same revenue or cost caption as the items being hedged.

For the three months ended June 30, 2021, the \$70 million loss in operating revenues from economic hedge positions was driven primarily by a decrease in the value of open positions as a result of increases in power prices across all segments. The \$1.6 billion gain in operating costs and expenses from economic hedge positions was driven primarily by an increase in the value of open positions as a result of increases in natural gas and power prices across all segments.

For the three months ended June 30, 2020, the \$43 million gain in operating revenues from economic hedge positions was driven primarily by an increase in the value of open positions as a result of decreases in New York capacity prices, as well as the reversal of previously recognized unrealized losses on contracts that settled during the period. The \$44 million gain in operating costs and expenses from economic hedge positions was driven primarily by an increase in the value of open positions as a result of increases in ERCOT power prices, as well as the reversal of previously recognized unrealized losses on contracts that settled during the period.

In accordance with ASC 815, the following table represents the results of the Company's financial and physical trading of energy commodities for the three months ended June 30, 2021 and 2020. The realized and unrealized financial and physical trading results are included in operating revenue. The Company's trading activities are subject to limits based on the Company's Risk Management Policy.

	Three months ended June 30,							
(In millions)		2021		2020				
Trading gains/(losses)								
Realized	\$	9	\$	16				
Unrealized		(10)		(1)				
Total trading (losses)/gains	\$	(1)	\$	15				

# **Operations and Maintenance Expense**

Operations and maintenance expense are comprised of the following:

				W	est/Services/					
(In millions)	T	exas	East		Other	Co	rporate	Elin	ninations	Total
Three months ended June 30, 2021	\$	178	\$ 132	\$	58	\$	2	\$	(2)	\$ 368
Three months ended June 30, 2020		158	94		26		2		(1)	279

Operations and maintenance expense increased by \$89 million for the three months ended June 30, 2021, compared to the same period in 2020, due to the following:

	(	In millions)
Increase due to the acquisition of Direct Energy in January 2021	\$	65
Increase due to spare parts inventory reserves driven by announced retirements of certain PJM coal assets		13
Increase in major maintenance primarily due to the duration and scope of planned outages in Texas during the second quarter of 2021		11
Increase driven by higher maintenance resulting from the impacts of Winter Storm Uri		2
Decrease primarily driven by the buyout of the Midwest Generation lease in 2020		(5)
Other		3
Increase in operations and maintenance expense	\$	89

# Other Cost of Operations

Other cost of operations are comprised of the following:

			W	est/Services/	/						
(In millions)	Texas	East		Other		Total					
Three months ended June 30, 2021	\$ 54	\$ 36	\$	9	\$	99					
Three months ended June 30, 2020	38	20		5		63					

Other costs of operations increased by \$36 million for the three months ended June 30, 2021, compared to the same period in 2020, primarily due to the Direct Energy acquisition in January 2021.

# Depreciation and Amortization

Depreciation and amortization are comprised of the following:

			We	st/Services/		
(In millions)	Texas	East		Other	Corporate	 Total
Three months ended June 30, 2021	\$ 84	\$ (54)	\$	16	\$ 7	\$ 53
Three months ended June 30, 2020	59	32		9	10	110

Depreciation and amortization decreased by \$57 million primarily due to adjustments to acquired intangibles in connection with the acquisition of Direct Energy in January 2021.

#### Impairment Losses

Impairment losses of \$306 million were recorded during the three months ended June 30, 2021, related to the decline in capacity prices and the planned retirement of a significant portion of the PJM coal fleet, as further discussed in Note 8, *Impairments*.

#### Selling, General and Administrative Costs

Selling, general and administrative costs are comprised of the following:

				W	est/Services/										
(In millions)	1	Гexas	 East		Other	Co	rporate		Total						
Three months ended June 30, 2021	\$	130	\$ 126	\$	42	\$	10	\$	308						
Three months ended June 30, 2020		110	57		11		8		186						

Selling, general and administrative costs increased by \$122 million for the three months ended June 30, 2021, compared to the same period in 2020, due to the following:

	(In n	nillions)
Increase due to the acquisition of Direct Energy in January 2021	\$	105
Increase due to Winter Storm Uri, primarily due to legal expenses and charitable giving		6
Increase due to higher medical expense and reduction of payroll tax benefits		6
Increase due to higher consulting and insurance costs		5
Increase in selling, general and administrative costs	\$	122

# **Provision for Credit Losses**

Provision for credit losses are comprised of the following:

		West/Services/								
(In millions)	T	exas	I	East		Other		Total		
Three months ended June 30, 2021	\$	40	\$	(1)	\$	1	\$	40		
Three months ended June 30, 2020		22		2				24		

(In millions)

	<u>(11</u>	1 millions)
Increase due to Winter Storm Uri, including: Increase of \$10 million related to bilateral financial hedging risk Increase of \$11 million related to counterparty credit risk	\$	21
Decrease due to improved collections in the legacy brands, partially offset by an increase due to the acqui of Direct Energy in January 2021	sition	(5)
Increase in provision for credit losses	\$	16

# Acquisition-Related Transaction and Integration Costs

Acquisition-related transaction and integration costs of \$22 million were incurred during the three months ended June 30, 2021, related to Direct Energy, of which \$1 million were acquisition-related transaction costs and \$21 million were integration costs, primarily related to severance and consulting services.

#### Interest Expense

Interest expense increased by \$29 million for the three months ended June 30, 2021, compared to the same period in 2020, primarily due to financings entered into in connection with the Direct Energy acquisition.

# Income Tax Expense

For the three months ended June 30, 2021, an income tax expense of \$380 million was recorded on a pre-tax income of \$1.5 billion. For the same period in 2020, income tax expense of \$101 million was recorded on pre-tax income of \$414 million. The effective tax rates were 26.1% and 24.4% for the three months ended June 30, 2021 and 2020, respectively.

For the three months ended June 30, 2021, the effective tax rate was higher than the statutory rate of 21% primarily due to state tax expense. For the same period in 2020, the effective tax rate was higher than the statutory rate of 21% due to state tax expense partially offset by an excess tax benefit related to share-based compensation.

# Management's discussion of the results of operations for the six months ended June 30, 2021 and 2020

# **Electricity Prices**

The following table summarizes average on peak power prices for each of the major markets in which NRG operates for the six months ended June 30, 2021 and 2020. The average on-peak power prices increased significantly in Texas due to the impact from Winter Storm Uri. The average on-peak power prices increased in East and West/Services/Other due to higher gas prices.

	Average on	Peak	Power Price (\$/	MWh)
	Six n	onth	s ended June 30,	Change %  1,255 % 1,394 %  88 % 98 % 62 % 59 %
Region	2021		2020	Change %
Texas				
ERCOT - Houston (a)	\$ 336.66	\$	24.84	1,255 %
ERCOT - North <sup>(a)</sup>	332.05		22.23	1,394 %
East				
NY J/NYC <sup>(b)</sup>	40.18		21.42	88 %
NEPOOL <sup>(b)</sup>	44.46		22.43	98 %
COMED (PJM) <sup>(b)</sup>	32.82		20.29	62 %
PJM West Hub <sup>(b)</sup>	34.40		21.63	59 %
West				
MISO - Louisiana Hub <sup>(b)</sup>	37.69		22.10	71 %
CAISO - SP15 <sup>(b)</sup>	40.82		23.93	71 %

<sup>(</sup>a) Average on peak power prices based on real time settlement prices as published by the respective ISOs

The following table summarizes average realized power prices for NRG, including the impact of settled hedges, for the six months ended June 30, 2021 and 2020:

	Average <b>F</b>	Realize	ed Power Price	(\$/MWh)
	Six	mont	hs ended June 3	30,
<u>Segment</u>	2021		2020	Change %
East <sup>(a)</sup>	\$ 38.56	\$	36.63	5 %
West/Services/Other	33.71		28.45	18 %

<sup>(</sup>a) Average Realized Power Price reflects energy sales from the generation fleet, omitting sales to the retail component of the East Segment. Intercompany financial transactions hedging generation with the retail business make up an immaterial amount in the six months ended June 30, 2021 and \$19.64/MWh in the six months ended June 30, 2020

The average realized power prices increased in the East and West/Services/Other for the six months ended June 30, 2021, as compared to the same period in 2020, as a result of increased natural gas prices and warmer June temperatures in California, partially offset by previously executed hedges.

<sup>(</sup>b) Average on peak power prices based on day ahead settlement prices as published by the respective ISOs

#### Winter Storm Uri

During the six months ended June 30, 2021, Winter Storm Uri's financial impact to loss before income taxes was a loss of \$1 billion. The following impacts are further discussed in the related sections below:

(In millions)	Six months ended June 30, 2021
Gross margin - Texas	\$ (573)
Gross margin - East	146
Gross margin - West/Services/Other	13
Total gross margin	(414)
Operations and maintenance expense	(2)
Selling, general and administrative costs	(27)
Provision for credit losses	(606)
Total impact to loss before income taxes	\$ (1,049)

A number of factors may mitigate or increase the financial impact, such as recently passed regulatory securitization packages, finalizing meter and settlement data, potential customer and counterparty risk including ERCOT's shortfall payments and uplift charges, and one-time cost savings.

# Gross Margin

The Company calculates gross margin in order to evaluate operating performance as operating revenues less cost of sales, which includes cost of fuel, other costs of sales, contract and emission credit amortization and mark-to-market for economic hedging activities.

# Economic Gross Margin

In addition to gross margin, the Company evaluates its operating performance using the measure of economic gross margin, which is not a GAAP measure and may not be comparable to other companies' presentations or deemed more useful than the GAAP information provided elsewhere in this report. Economic gross margin should be viewed as a supplement to and not a substitute for the Company's presentation of gross margin, which is the most directly comparable GAAP measure. Economic gross margin is not intended to represent gross margin. The Company believes that economic gross margin is useful to investors as it is a key operational measure reviewed by the Company's chief operating decision maker. Economic gross margin is defined as the sum of energy revenue, capacity revenue, retail revenue and other revenue, less cost of fuels and other cost of sales. Economic gross margin does not include mark-to-market gains or losses on economic hedging activities, contract amortization, emission credit amortization, or other operating costs.

The below tables present the composition and reconciliation of gross margin and economic gross margin for the six months ended June 30, 2021 and 2020:

In millions)		Texas		East	West/Serv Other			porate/ inations		Total
Retail revenue	\$	4,072	\$	5,909	\$	998	\$	(1)	\$	10,97
Energy revenue		299		227		125		2		65
Capacity revenue		_		396		30		_		42
Mark-to-market for economic hedging activities		(4)		(50)		(54)		6		(10
Contract amortization		_		(8)		(8)		_		(1
Other revenue (a)		1,360		29		11		(5)		1,39
Operating revenue		5,727		6,503	1.	102		2		13,33
Cost of fuel		(938)		(62)		(64)				(1,06
Purchased power		(1,395)		(4,155)		278)		_		(5,82
Other cost of sales (b) (c)		(2,661)		(1,077)	,	567)		_		(4,30
Mark-to-market for economic hedging activities		1,153		1,063	· ·	130		(6)		2,34
Contract and emission credit amortization		7		(73)		2		(0)		2,34
Gross margin		1,893	<u>\$</u>	<u> </u>	<u>\$</u>	325	\$	(4)	•	4,41
Less: Mark-to-market for economic hedging activities, net	Ф	•	Ф	•	J	<b>323</b> 76	Þ	(4)	Ф	,
		1,149		1,013						2,23
Less: Contract and emission credit amortization, net  Economic gross margin	_	737	<u> </u>	(81)	Ф.	(6) 255	<u>\$</u>	(4)		3)
	Ф	757	Ψ	1,267	Ψ	233	Ψ	(+)	Ψ	2,25
(a) Includes trading gains and losses and ancillary revenues										
(b) Includes capacity and emissions credits		ationals.								
(c) Includes \$1.2 billion and \$71 million of TDSP expense in Texas and East, usiness Metrics	respe	ctively								
Retail sales										
Home electricity sales volume (GWh)		20,818		7,684		557				29,05
Business electricity sales volume (GWh)		14,598		27,350	2	,879				44,82
Home natural gas sales volume (MDth)		_		55,664	47	,885				103,54
Business natural gas sales volume (MDth)		_		866,436		_				866,43
		3,079		2,054		816				5,94
Average retail Home customer count (in thousands) <sup>(a)</sup>				2,027		809				5,86
Ending retail Home customer count (in thousands) <sup>(a)</sup>		3,027		2,027						
		3,027		2,027						
Ending retail Home customer count (in thousands) <sup>(a)</sup> Power generation  GWh sold		3,027 17,227		5,748	3	,708				26,68
Ending retail Home customer count (in thousands) <sup>(a)</sup> Power generation		17,227		5,748	3	,708				
Ending retail Home customer count (in thousands) <sup>(a)</sup> Power generation  GWh sold  GWh generated <sup>(b)</sup> Coal		17,227 8,631		5,748 2,537		_				11,16
Ending retail Home customer count (in thousands) <sup>(a)</sup> Power generation  GWh sold  GWh generated <sup>(b)</sup> Coal  Gas		17,227 8,631 4,081		5,748		,708 — ,635				11,16
Ending retail Home customer count (in thousands) <sup>(a)</sup> Power generation  GWh sold  GWh generated <sup>(b)</sup> Coal		17,227 8,631		5,748 2,537		_				

Siv	months	ended	June	30	2020
JOIN.	шопшь	enaea	June	JU.	. 4040

(\$ In millions)	Texas			East	West/Services/ Other		Corporate/ Eliminations		Total
Retail revenue	\$	2,813	\$	642	\$	39	\$ (1)	\$	3,493
Energy revenue		10		64		135	(2)		207
Capacity revenue		_		313		31	_		344
Mark-to-market for economic hedging activities		_		20		16	3		39
Other revenue		113		27		37	(3)		174
Operating revenue		2,936		1,066		258	(3)		4,257
Cost of fuel		(226)		(74)		(66)	_		(366)
Purchased Power		(468)		(249)		(9)	3		(723)
Other cost of sales (a) (b)		(1,016)		(168)		(11)	_		(1,195)
Mark-to-market for economic hedging activities		90		5		_	(3)		92
Contract and emission credit amortization		(2)				_			(2)
Gross margin	\$	1,314	\$	580	\$	172	\$ (3)	\$	2,063
Less: Mark-to-market for economic hedging activities, net		90		25		16	_		131
Less: Contract and emission credit amortization, net		(2)				_			(2)
Economic gross margin	\$	1,226	\$	555	\$	156	\$ (3)	\$	1,934
(a) Includes capacity and emissions credits									
(b) Includes \$913 million and \$5 million of TDSP expense in Texas and East.	respec	tively							

<sup>(</sup>b) Includes \$913 million and \$5 million of TDSP expense in Texas and East, respectively

# **Business Metrics**

Retail sales									
Home electricity sales volume (GWh)	17,511	4,903	_	22,414					
Business electricity sales volume (GWh)	8,669	754	_	9,423					
Natural gas sales volume (MDth)	_	14,100	_	14,100					
Average retail Home customer count (in thousands) <sup>(a)</sup>	2,443	1,205	_	3,648					
Ending retail Home customer count (in thousands) <sup>(a)</sup>	2,447	1,171	_	3,618					
Power generation									
GWh sold	13,574	3,767	4,745	22,086					
GWh generated (b)									
Coal	6,837	394	_	7,231					
Gas	2,015	628	4,601	7,244					
Nuclear	4,562	_	_	4,562					
Oil		84	<u> </u>	84					
Total	13,414	1,106	4,601	19,121					
(a) Home customer count includes recurring residential customers and municipal aggregations									

<sup>(</sup>b) Includes owned and leased generation, and excludes equity investments

The table below represents the weather metrics for the six months ended June 30, 2021 and 2020:

	Six months ended June 30,								
Weather Metrics	Texas	East	West/Services/ Other <sup>(b)</sup>						
2021									
CDDs <sup>(a)</sup>	985	400	558						
HDDs <sup>(a)</sup>	1,202	2,891	1,393						
2020									
CDDs	1,182	409	638						
HDDs	861	2,679	1,172						
10-year average									
CDDs	1,119	394	608						
HDDs	996	2,918	1,260						

<sup>(</sup>a) National Oceanic and Atmospheric Administration-Climate Prediction Center - A Cooling Degree Day, or CDD, represents the number of degrees that the mean temperature for a particular day is above 65 degrees Fahrenheit in each region. A Heating Degree Day, or HDD, represents the number of degrees that the mean temperature for a particular day is below 65 degrees Fahrenheit in each region. The CDDs/HDDs for a period of time are calculated by adding the CDDs/HDDs for each day during the period

# Gross Margin and Economic Gross Margin

Gross margin increased \$2.4 billion and economic gross margin increased \$321 million, both of which include intercompany sales, during the six months ended June 30, 2021, compared to the same period in 2020.

The tables below describe the changes in gross margin and economic gross margin by segment:

# **Texas**

	(]	n millions)
Lower gross margin due to Winter Storm Uri, primarily driven by an increase in unhedgeable ancillary and operating reserve demand curve	\$	(573)
The following explanations exclude the impact of Winter Storm Uri:		
Lower net revenue due to attrition and customer mix		(60)
Lower net revenue due to a decrease in load of 432,000 MWhs from weather		(36)
Lower gross margin due to market optimization activities		(16)
Higher gross margin due to increased volumes from the acquisition of Direct Energy in January 2021		169
Higher net revenue primarily driven by increased net revenue rates as a result of changes in customer term, product and mix of \$3 per MWh, or \$81 million; partially offset by a 9% increase in overall average costs to serve the retail load, driven primarily by increases in power and fuel costs, totaling \$54 million		27
Decrease in economic gross margin	\$	(489)
Increase in mark-to-market for economic hedging primarily due to net unrealized gains/losses on open positions related to economic hedges		1,059
Increase in contract and emission credit amortization		9
Increase in gross margin	\$	579

<sup>(</sup>b) The West/Services/Other weather metrics are comprised of the average of the CDD and HDD regional results for the West-California and West- South Central regions

Other

positions related to economic hedges

East		
	(In	millions)
Higher gross margin due to Winter Storm Uri, primarily driven by natural gas optimization during volatile pricing that occurred during the weather event	\$	146
The following explanations exclude the impact of Winter Storm Uri:		
Higher gross margin due to increased volumes from the acquisition of Direct Energy in January 2021, including \$296 million from natural gas activity and \$198 million from power activity		494
Higher business demand response gross margin primarily from the early settlement of capacity obligations in 2021 compared to the same period in 2020		63
Higher gross margin due to a lower of cost or market adjustment on oil inventory in 2020		29
Higher gross margin mainly due to an increase in economic generation volumes primarily at Midwest Generation, partially offset by a decrease in realized power pricing		11
Lower gross margin from lower volumes due to attrition and customer mix of \$21 million and higher supply costs of \$8 million, partially offset by higher revenue of \$11 million		(18)
Lower gross margin due to a 23% decrease in New England capacity prices and a 7% decrease in PJM capacity volumes, partially offset by a 33% increase in New York realized capacity prices		(12)
Other		(1)
Increase in economic gross margin	\$	712
Increase in mark-to-market for economic hedging primarily due to net unrealized gains/losses on open positions related to economic hedges		988
Decrease in contract amortization		(81)
Increase in gross margin	\$	1,619
West/Services/Other	(In	millions)
Higher gross margin due to Winter Storm Uri, driven by optimization during volatility in gas pricing	\$	13
The following explanations exclude the impact of Winter Storm Uri:		
Higher gross margin due to increased volumes from the acquisition of Direct Energy in January 2021		158
Lower gross margin from generation outage insurance proceeds received in 2020 for forced outages in 2019		(30)
Lower gross margin primarily at Cottonwood driven by a 57% increase in fuel cost while realized power prices remained constant		(27)

Lower gross margin from market optimization activities

Increase in mark-to-market for economic hedges primarily due to net unrealized gains/losses on open

Decrease in contract amortization

Increase in gross margin

(17)

99

60

**(6)** 

153

2

#### Mark-to-Market for Economic Hedging Activities

Total mark-to-market gains in operating costs and expenses . . . . .

Mark-to-market for economic hedging activities includes asset-backed hedges that have not been designated as cash flow hedges. Total net mark-to-market results increased by \$2.1 billion during the six months ended June 30, 2021, compared to the same period in 2020.

The breakdown of gains and losses included in operating revenues and operating costs and expenses by segment was as follows:

Six months ended June 30, 2021

(3)

92

		SIA IIIO	nuns	chaca gan	C 50,	, 2021		
(In millions)	Texas	East	W	est/Services/ Other	El	iminations		Total
Mark-to-market results in operating revenues								
Reversal of previously recognized unrealized (gains) on settled positions related to economic hedges	\$ (1)	\$ (19)	\$	(4)	\$	(1)	\$	(25)
Reversal of acquired (gain) positions related to economic hedges	_	(4)		_		_		(4)
Net unrealized (losses) on open positions related to economic hedges	(3)	(27)		(50)		7		(73)
Total mark-to-market (losses) in operating revenues	\$ (4)	\$ (50)	\$	(54)	\$	6	\$	(102)
Mark-to-market results in operating costs and expenses								
Reversal of previously recognized unrealized losses/(gains) on settled positions related to economic hedges	\$ 63	\$ 2	\$	(2)	\$	1	\$	64
Reversal of acquired loss positions related to economic hedges	67	171		14		_		252
Net unrealized gains on open positions related to economic hedges	1,023	890		118		(7)		2,024
Total mark-to-market gains in operating costs and expenses	\$ 1,153	\$ 1,063	\$	130	\$	(6)	\$	2,340
		Six mo	nth	s ended Jun	e 30	, 2020		
(In millions)	 Texas	East	W	est/Services/ Other	Eliminations		Total	
Mark-to-market results in operating revenues								
Reversal of previously recognized unrealized (gains)/losses on settled positions related to economic hedges	\$ (1)	\$ 4	\$	(5)	\$	2	\$	_
Net unrealized gains on open positions related to economic hedges	 1	 16		21		1		39
Total mark-to-market gains in operating revenues	\$ 	\$ 20	\$	16	\$	3	\$	39
Mark-to-market results in operating costs and expenses								
Reversal of previously recognized unrealized losses/(gains) on settled positions related to economic hedges	\$ 36	\$ 6	\$	(1)	\$	(2)	\$	39
Reversal of acquired loss positions related to economic hedges	4	_		_		_		4
Net unrealized gains/(losses) on open positions related to economic								

Mark-to-market results consist of unrealized gains and losses on contracts that are not yet settled. The settlement of these transactions is reflected in the same revenue or cost caption as the items being hedged.

For the six months ended June 30, 2021, the \$102 million loss in operating revenues from economic hedge positions was driven by an decrease in the value of open positions as a result of increases in power prices across all segments as well as the reversal of previously recognized unrealized gains on contracts that settled during the period. The \$2.3 billion gain in operating costs and expenses from economic hedge positions was driven primarily by an increase in the value of open positions as a result of increases in natural gas and power prices across all segments.

For the six months ended June 30, 2020, the \$39 million gain in operating revenues from economic hedge positions was driven by an increase in the value of open positions as a result of decrease in New York capacity, New York power, and West/Services/Other power prices. The \$92 million gain in operating costs and expenses from economic hedge positions was driven primarily by an increase in the value of open positions as a result of increases in outer year ERCOT power prices, as well as the reversal of previously recognized unrealized losses on contracts that settled during the period.

In accordance with ASC 815, the following table represents the results of the Company's financial and physical trading of energy commodities for the six months ended June 30, 2021 and 2020. The realized and unrealized financial and physical trading results are included in operating revenue. The Company's trading activities are subject to limits based on the Company's Risk Management Policy.

		Six months ended June 30,					
(In millions)		2021		2020			
Trading gains/(losses)							
Realized	\$	68	\$	23			
Unrealized		(6)		10			
Total trading gains	\$	62	\$	33			

# Operations and Maintenance Expense

Operations and maintenance expense are comprised of the following:

						est/Services/					
(In millions)	T	exas		East		Other	Co	rporate	Elim	inations	 Total
Six months ended June 30, 2021	\$	364	\$	246	\$	111	\$	2	\$	(3)	\$ 720
Six months ended June 30, 2020		333		182		56		4		(3)	572

Operations and maintenance expense increased by \$148 million for the six months ended June 30, 2021, compared to the same period in 2020, due to the following:

	(In r	millions)
Increase due to the acquisition of Direct Energy in January 2021	\$	134
Increase due to spare parts inventory reserves driven by announced retirements of certain PJM coal assets		13
Increase in major maintenance primarily due to the duration and scope of planned outages in Texas during 2021		6
Increase driven by higher maintenance resulting from the impacts of Winter Storm Uri		2
Decrease primarily driven by the buyout of the Midwest Generation lease in 2020		(10)
Other		3
Increase in operations and maintenance expense	\$	148

# Other Cost of Operations

Other Cost of operations are comprised of the following:

(In millions)		Texas	East	vv	Other	Total		
Six months ended June 30, 2021	\$	97	\$ 72	\$	11	\$	180	
Six months ended June 30, 2020		71	46		8		125	

Other cost of operations increased by \$55 million for the six months ended June 30, 2021, compared to the same period in 2020, primarily due to the Direct Energy acquisition in January 2021.

# Depreciation and Amortization

Depreciation and amortization expenses are comprised of the following:

(In millions)	Texas	East	W	est/Services/ Other	 orporate	 Total
Six months ended June 30, 2021	\$ 161	\$ 155	\$	40	\$ 14	\$ 370
Six months ended June 30, 2020	118	64		18	19	219

Depreciation and amortization increased by \$151 million for the six months ended June 30, 2021, compared to the same period in 2020, primarily due to amortization of acquired intangibles in connection with the acquisition of Direct Energy in January 2021.

# **Impairment Losses**

Impairment losses of \$306 million were recorded during the six months ended June 30, 2021, related to the decline in capacity prices and the planned retirement of a significant portion of the PJM coal fleet, as further discussed in Note 8, *Impairments*.

# Selling, General and Administrative Costs

Selling, general and administrative costs comprised of the following:

(In millions)	Т	exas	East	We	est/Services/ Other	Co	orporate	Elim	inations	Total
(III IIIIIIOIIS)		CAUS	 Lust		Other		porace		mations	 10441
Six months ended June 30, 2021	\$	269	\$ 273	\$	76	\$	21	\$	(1)	\$ 638
Six months ended June 30, 2020		219	118		24		16			377

Selling, general and administrative costs increased by \$261 million for the six months ended June 30, 2021, compared to the same period in 2020, due to the following:

	(In	millions)
Increase due to the acquisition of Direct Energy in January 2021	\$	223
Increase due to Winter Storm Uri, including charitable giving, legal and other costs of \$15 million and ERCOT default charges of \$12 million		27
Increase due to higher medical expenses and reduction of payroll tax benefits		7
Increase due to higher consulting and insurance costs		6
Other		(2)
Increase in selling, general and administrative costs	\$	261

# **Provision for Credit Losses**

Provision for credit losses are comprised of the following:

(In millions)	Texas	 East	 Other	 Total
Six months ended June 30, 2021	\$ 642	\$ 6	\$ 3	\$ 651
Six months ended June 30, 2020	45	3		48

Provision for credit losses increased by \$603 million for the six months ended June 30, 2021, compared to the same period in 2020, due to the following:

	(In	millions)
Increase due to Winter Storm Uri, including: Increase of \$403 million related to bilateral financial hedging risk Increase of \$120 million related to counterparty credit risk		
Increase of \$83 million related to ERCOT default shortfall payments	\$	606
Decrease due to improved collections in the legacy brands, partially offset by the acquisition of Direct Energy in January 2021		(3)
Increase in provision for credit losses	\$	603

# Acquisition-Related Transaction and Integration Costs

Acquisition-related transaction and integration costs of \$64 million were incurred during the six months ended June 30, 2021, related to Direct Energy, of which \$23 million were acquisition-related transaction costs and \$41 million were integration costs, primarily related to severance and consulting services.

#### Gain on Sale of Assets

The gain on sale of assets of \$17 million was recorded for the six months ended June 30, 2021 due to the sale of Agua Caliente in February 2021, compared to the gain on the sale of assets of \$6 million for the six months ended June 30, 2020 related to the sale of land and investments in January 2020.

#### Equity in Earnings of Unconsolidated Affiliates

Equity in earnings of unconsolidated affiliates was \$7 million higher for the six months ended June 30, 2021 compared to the six months ended June 30, 2020, primarily due to higher earnings at Watson Cogeneration due to a favorable settlement in 2021, partially offset by a decrease due to the sale of the Agua Caliente solar project.

# Impairment Losses on Investments

Impairment losses on investments was \$18 million during the six months ended June 30, 2020 related to the impairment of Petra Nova Parish Holdings, as further discussed in Note 8, *Impairments*.

#### Other Income, Net

Other income decreased by \$6 million for the six months ended June 30, 2021, compared to the same period in 2020, primarily due to reduced reimbursements received in 2021 of \$8 million and dividends received from cost method investments in 2020 of \$5 million, partially offset by increased pension income in 2021 of \$8 million due to a decrease in discount rate.

# Interest Expense

Interest expense increased by \$59 million for the six months ended June 30, 2021, compared to the same period in 2020, primarily due to financings entered into in connection with the Direct Energy acquisition.

# Income Tax Expense

For the six months ended June 30, 2021, income tax expense of \$295 million was recorded on pre-tax income of \$1.3 billion. For the same period in 2020, income tax expense of \$124 million was recorded on a pre-tax income of \$558 million. The effective tax rates were 22.9% and 22.2% for the six months ended June 30, 2021 and 2020, respectively.

For the six months ended June 30, 2021, NRG's overall effective tax rate was higher than the statutory rate of 21% primarily due to state tax expense partially offset by one-time tax benefits, as a result of the acquisition of Direct Energy, on revaluation of state deferred tax assets, NOLs and valuation allowance. For the same period in 2020, NRG's overall effective tax rate was higher that the statutory rate of 21% due to state tax expense partially offset by an excess tax benefit related to share-based compensation.

# **Liquidity and Capital Resources**

# Liquidity Position

As of June 30, 2021 and December 31, 2020, NRG's total liquidity, excluding funds deposited by counterparties, of approximately \$3.3 billion and \$7.0 billion, respectively, was comprised of the following:

(In millions)	Ju	ine 30, 2021	Decei	mber 31, 2020
Cash and cash equivalents	\$	361	\$	3,905
Restricted cash - operating		10		3
Restricted cash - reserves <sup>(a)</sup>		5		3
Total		376		3,911
Total availability under Revolving Credit Facility and collective collateral facilities <sup>(b)</sup>		2,967		3,129
Total liquidity, excluding funds deposited by counterparties	\$	3,343	\$	7,040

<sup>(</sup>a) Includes reserves primarily for performance obligations and capital expenditures

For the six months ended June 30, 2021, total liquidity, excluding funds deposited by counterparties, decreased by \$3.7 billion. Changes in cash and cash equivalent balances are further discussed hereinafter under the heading *Cash Flow Discussion*. Cash and cash equivalents at June 30, 2021 were predominantly held in money market funds invested in treasury securities, treasury repurchase agreements or government agency debt.

Management believes that the Company's liquidity position and cash flows from operations will be adequate to finance operating and maintenance capital expenditures, to fund dividends to NRG's common stockholders, and to fund other liquidity commitments. Management continues to regularly monitor the Company's ability to finance the needs of its operating, financing and investing activity within the dictates of prudent balance sheet management.

On March 17, 2021, following Winter Storm Uri, Standard & Poor's placed NRG's issuer credit rating of BB+ on CreditWatch with negative implications. On May 12, 2021, Standard & Poor's affirmed NRG's issuer credit rating of BB+ with

<sup>(</sup>b) Total capacity of Revolving Credit Facility and collective collateral facilities was \$5.8 billion and \$4.0 billion as of June 30, 2021 and December 31, 2020, respectively

a stable outlook. On March 19, 2021, Moody's changed NRG's rating outlook to stable from positive. At the same time, Moody's affirmed NRG's corporate family rating of Ba1.

# Liquidity

The principal sources of liquidity for NRG's future operating and maintenance capital expenditures are expected to be derived from cash on hand, cash flows from operations, and financing arrangements, as described in Note 9, *Long-term Debt and Finance Leases*, to this Form 10-Q. The Company's financing arrangements consist mainly of the Senior Notes, Convertible Senior Notes, Senior Secured First Lien Notes, Revolving Credit Facility, and tax-exempt bonds.

The Company's requirements for liquidity and capital resources, other than for operating its facilities, can generally be categorized by the following: (i) market operations activities; (ii) debt service obligations; (iii) capital expenditures, including maintenance, repowering, development, and environmental; and (iv) allocations in connection with acquisition opportunities, debt repayments, share repurchases and dividend payments to stockholders.

# Direct Energy Acquisition

On January 5, 2021, the Company acquired Direct Energy, a North American subsidiary of Centrica. Direct Energy is a leading retail provider of electricity, natural gas, and home and business energy related products and services in North America, with operations in all 50 U.S. states and 8 Canadian provinces.

The Company paid an aggregate purchase price of \$3.625 billion in cash and an initial purchase price adjustment of \$77 million. The Company funded the purchase price using a combination of \$715 million cash on hand, \$166 million from a draw on its Revolving Credit Facility (of which \$107 million was used to fund acquisition costs and financing fees that are not included in the aggregate purchase price above), as well as approximately \$2.9 billion in secured and unsecured corporate debt issued in December 2020. The purchase price adjustment resulted in a reduction of \$3 million, which is in negotiation with Centrica. The Company expects to receive this payment from Centrica in 2021.

#### Collateral Facility Increases

The following table presents increases to the Company's collective collateral facilities in connection with the Direct Energy acquisition.

	(In mi	illions)
Available on Acquisition Closing Date		
Revolving Credit Facility commitment increase	\$	802
Revolving Credit Facility new tranche		273
Facility agreement in connection with the sale of pre-capitalized trust securities		874
Available as of December 31, 2020		
Credit default swap facility		150
Revolving accounts receivable financing facility		750
Repurchase facility		75
Bilateral letter of credit facilities		475
Total Increases to Liquidity and Collateral Facilities	\$	3,399

#### Planned Debt Reduction

In light of the impact of Winter Storm Uri, the Company's deleveraging program will extend to 2023. The Company remains committed to maintaining a strong balance sheet and continues to work closely with rating agencies to achieve investment grade credit ratings.

## Receivables Securitization Facilities

On July 26, 2021, NRG Receivables LLC, wholly-owned indirect subsidiary of the Company, renewed its existing Receivables Facility to, among others, (i) increase the facility size to \$800 million, (ii) extend the maturity date until July 26, 2022, (iii) make certain adjustments to the pool of receivables through the Receivables Facility and certain related covenants, and (iv) provide for revised language relating to interest determination based on SOFR in case of a LIBOR cessation or the occurrence of certain other trigger events. As of June 30, 2021, there were no outstanding borrowings and there were \$214 million in letters of credit issued under the Receivables Facility.

On July 26, 2021, the Company renewed its existing Repurchase Facility to, among other things, (i) extend the maturity date to July 26, 2022 and (ii) provide for revised language relating to interest determination based on SOFR in case of a LIBOR cessation or the occurrence of certain other trigger events. As of June 30, 2021, the full \$75 million borrowing was outstanding under the Repurchase Facility, which was fully repaid as of August 5, 2021.

Sale of Agua Caliente

On February 3, 2021, the Company closed on the sale of its 35% ownership in the Agua Caliente solar project to Clearway Energy, Inc. for \$202 million. NRG recognized a gain on the sale of \$17 million, including cash disposed of \$7 million.

# Sale of 4.8 GW of Fossil Generation Assets

On February 28, 2021, the Company entered into a definitive purchase agreement with Generation Bridge, an affiliate of ArcLight Capital Partners, to sell approximately 4,850 MW of fossil generating assets from its East and West regions of operations for total proceeds of \$760 million, subject to standard purchase price adjustments and certain other indemnifications. The purchase price adjustments will include a working capital deduction for cash flows generated of approximately \$11 million per month from the beginning of the year until the closing of the transaction, in lieu of cash flows generated during the year. As part of the transaction, NRG is entering into a tolling agreement for its 866 MW Arthur Kill plant in New York City through April 2025.

The transaction is expected to close by the end of 2021 and is subject to various closing conditions, approvals and consents, including FERC and NYPSC. The transaction received approval under the Hart-Scott-Rodino Act.

#### Pension Plan Contributions

The American Rescue Plan Act ("ARPA") was enacted on March 11, 2021 to provide economic relief related to the COVID-19 pandemic. ARPA provides pension funding relief for single employer plans, among other provisions. As a result, NRG has reduced its previously planned cash contribution for 2021 by approximately \$23 million. NRG's pension and postretirement benefit plans are further described in Note 16, *Benefit Plans and Other Postretirement Benefits*, of Part IV, Item 15 of the Company's 2020 Form 10-K.

#### CARES Act

On March 27, 2020, the U.S. government enacted the CARES Act, which provides, among other things: (i) the option to defer payments of certain 2019 employer payroll taxes incurred after the date of enactment; and (ii) allows NOLs from tax years 2018, 2019 and 2020 to be carried back five years. The total benefit to the Company due to the CARES Act was \$35 million. Of this amount, \$13 million will be payable to social security in 2021 and \$13 million will be payable in 2022.

#### Market Operations

The Company's market operations activities require a significant amount of liquidity and capital resources. These liquidity requirements are primarily driven by: (i) margin and collateral posted with counterparties; (ii) margin and collateral required to participate in physical markets and commodity exchanges; (iii) timing of disbursements and receipts (i.e., buying fuel before receiving energy revenues); and (iv) initial collateral for large structured transactions. As of June 30, 2021, the Company had total cash collateral outstanding of \$80 million and \$2.8 billion outstanding in letters of credit to third parties primarily to support its market activities. As of June 30, 2021, total funds deposited by counterparties were \$533 million in cash and \$305 million of letters of credit.

Future liquidity requirements may change based on the Company's hedging activities and structures, fuel purchases, and future market conditions, including forward prices for energy and fuel and market volatility. In addition, liquidity requirements depend on the Company's credit ratings and general perception of its creditworthiness.

# First Lien Structure

NRG has granted first liens to certain counterparties on a substantial portion of the Company's assets, subject to various exclusions including NRG's assets that have project-level financing and the assets of certain non-guarantor subsidiaries, to reduce the amount of cash collateral and letters of credit that it would otherwise be required to post from time to time to support its obligations under out-of-the-money hedge agreements for forward sales of power or MWh equivalents. The first lien program does not limit the volume that can be hedged, or the value of underlying out-of-the-money positions. The first lien program also does not require NRG to post collateral above any threshold amount of exposure. The first lien structure is not subject to unwind or termination upon a ratings downgrade of a counterparty and has no stated maturity date.

The Company's first lien counterparties may have a claim on its assets to the extent market prices exceed the hedged prices. As of June 30, 2021, all hedges under the first liens were out-of-the-money on a counterparty aggregate basis.

The following table summarizes the amount of MW hedged against the Company's coal and nuclear assets and as a percentage relative to the Company's coal and nuclear capacity under the first lien structure as of June 30, 2021:

Equivalent Net Sales Secured by First Lien Structure <sup>(a)</sup>	2021	2022	2023	2024
In MW	519	652	677	_
As a percentage of total net coal and nuclear capacity <sup>(b)</sup>	11%	15%	16%	<u>%</u>

<sup>(</sup>a) Equivalent Net Sales include natural gas swaps converted using a weighted average heat rate by region

# Capital Expenditures

The following tables and descriptions summarize the Company's capital expenditures for maintenance, environmental and growth investments for the six months ended June 30, 2021, and the estimated capital expenditures forecast for the remainder of 2021.

(In millions)	Maintenance	Environmental	Growth Investments <sup>(a)</sup>	Total
Texas	\$ (68)	\$ (1)	\$ (14)	\$ (83)
East	(14)	_	(21)	(35)
West/Services/Other	(11)	_	_	(11)
Corporate	(2)		(12)	(14)
Total cash capital expenditures for the six months ended June 30, 2021	(95)	(1)	(47)	(143)
Investments			(19)	(19)
Total capital expenditures and investments	(95)	(1)	(66)	(162)
Estimated capital expenditures and investments for the remainder of 2021	\$ (97)	\$ (7)	\$ (103)	\$ (207)

<sup>(</sup>a) Includes other investments, acquisitions, digital NRG and integration

Growth investments in East for the six months ended June 30, 2021 include the Astoria generating facility, for which the Company has proposed to replace the existing units with a single, new state-of-the-art Simple Cycle Combustion Turbine having a total generating capacity of 437 MW. The Company is working to obtain the permits and regulatory approvals necessary to commence construction of the project. NRG is targeting 2023 for commercial operation. Additionally, included in Investments are expenditures for Encina site improvements classified as ARO payments. Demolition is underway and is expected to be completed in the first half of 2022. The Company expects to begin marketing the site in 2021.

# Environmental Capital Expenditures

NRG estimates that environmental capital expenditures from 2021 through 2025 required to comply with environmental laws will be approximately \$22 million. The reduction of \$41 million from the previous quarter is primarily due to the near-term retirements of several coal units in PJM before the compliance deadline for the coal combustion residuals regulation.

# Common Stock Dividends

During the first quarter of 2021, NRG increased the annual dividend to \$1.30 from \$1.20 per share and expects to target an annual dividend growth rate of 7-9% per share in subsequent years. A quarterly dividend of \$0.325 per share was paid on the Company's common stock during the three months ended June 30, 2021. On July 20, 2021, NRG declared a quarterly dividend on the Company's common stock of \$0.325 per share, payable on August 16, 2021 to stockholders of record as of August 2, 2021.

<sup>(</sup>b) Net coal and nuclear capacity represents 80% of the Company's total coal and nuclear assets eligible under the first lien, which excludes coal assets acquired with Midwest Generation and NRG's assets that have project level financing

# **Cash Flow Discussion**

The following table reflects the changes in cash flows for the comparative six month periods:

	 Six months er	months ended June 30,		
(In millions)	2021		2020	Change
Net Cash Provided by Operating Activities	\$ 377	\$	692	\$ (315)
Net Cash Used by Investing Activities	(3,492)		(145)	(3,347)
Net Cash Provided/(Used) by Financing Activities	93		(469)	562

# Net Cash Provided by Operating Activities

Changes to net cash (used)/provided by operating activities were driven by:

	(Iı	n millions)
Increase in accounts receivable primarily from the impact of Winter Storm Uri and an early settlement of capacity obligations	\$	(721)
Changes in cash collateral in support of risk management activities due to change in commodity prices		638
Decrease in operating income adjusted for other non-cash items		(487)
Increase primarily due to higher deferred revenues from the impact of Winter Storm Uri		262
Decrease primarily due to increases in purchases of renewable energy credits due to an increased customer count as a result of the acquisition of Direct Energy		(175)
Increase in accounts payable primarily driven by increases in gas purchases and bilateral physical settlements in ERCOT and an increase in Texas coal shipments to replenish inventory levels as a result of extreme weather		127
in 2021		137
Increase in other working capital		31
	\$	(315)

# Net Cash Used by Investing Activities

Changes to net cash (used)/provided by investing activities were driven by:

	(In	millions)
Increase in cash paid for acquisitions for Direct Energy	\$	(3,516)
Increase in proceeds from sale of assets primarily due to sale of Agua Caliente		183
Decrease in capital expenditures		(27)
Increase in sales of emissions allowances, net of purchases		5
Other		8
	\$	(3,347)

# Net Cash Provided/(Used) by Financing Activities

Changes to net cash provided/(used) by financing activities were driven by:

	(In r	millions)
Increase in payments for share repurchase activity	\$	220
Increase in net receipts from settlement of acquired derivatives		196
Increase in proceeds from Revolving Credit Facility and Receivables Securitization Facilities		158
Decrease in payments of dividends to common stockholders		(11)
Other		(1)
	\$	562

# NOLs, Deferred Tax Assets and Uncertain Tax Position Implications, under ASC 740

For the six months ended June 30, 2021, the Company had domestic pre-tax book income of \$1.2 billion and foreign pre-tax book income of \$74 million. As of December 31, 2020, the Company had cumulative domestic Federal NOL carryforwards of \$10.1 billion, of which \$2 billion were generated prior to Tax Cuts and Jobs Act and will begin expiring in 2031, and cumulative state NOL carryforwards of \$5.4 billion for financial statement purposes. NRG also has cumulative foreign NOL carryforwards of \$347 million, which do not have an expiration date. In addition to the above NOLs, NRG has a \$14 million indefinite carryforward for interest deductions, as well as \$384 million of tax credits to be utilized in future years. As a result of the Company's tax position, and based on current forecasts, NRG anticipates income tax payments, primarily to state and foreign jurisdictions, of up to \$71 million in 2021.

As of June 30, 2021, the Company has \$19 million of tax-effected uncertain federal and state tax benefits, for which the Company has recorded a non-current tax liability (inclusive of accrued interest) until final resolution is reached with the related taxing authority.

The Company is no longer subject to U.S. federal income tax examinations for years prior to 2017. With few exceptions, state and local income tax examinations are no longer open for years prior to 2012.

## Deferred tax assets and valuation allowance

Net deferred tax balance — As of June 30, 2021 and December 31, 2020, NRG recorded a net deferred tax asset, excluding valuation allowance, of \$2.7 billion and \$3.3 billion, respectively. The Company believes certain state net operating losses may not be realizable under the more-likely-than-not measurement and as such, a valuation allowance was recorded as of June 30, 2021 as discussed below.

NOL Carryforwards — As of June 30, 2021, the Company had a tax-effected cumulative U.S. NOLs consisting of carryforwards for federal and state income tax purposes of \$2.1 billion and \$458 million, respectively. The Company estimates it will need to generate future taxable income to fully realize the net federal deferred tax asset before the expiration of certain carryforwards commences in 2031. In addition, NRG has tax-effected cumulative foreign NOL carryforwards of \$102 million with no expiration date.

Valuation Allowance — As of June 30, 2021 and December 31, 2020, the Company's tax-effected valuation allowance was \$264 million and \$266 million, respectively, consisting of state NOL carryforwards and foreign NOL carryforwards. The valuation allowance was recorded based on the assessment of cumulative and forecasted pre-tax book earnings and the future reversal of existing taxable temporary differences.

#### **Off-Balance Sheet Arrangements**

# **Obligations under Certain Guarantee Contracts**

NRG and certain of its subsidiaries enter into guarantee arrangements in the normal course of business to facilitate market transactions with third parties. These arrangements include financial and performance guarantees, stand-by letters of credit, debt guarantees, surety bonds and indemnifications.

The Company disclosed its Guarantees in Note 28, *Guarantees*, to the Company's 2020 Form 10-K. As of June 30, 2021, NRG and its consolidated subsidiaries were contingently obligated for a total of \$3.4 billion under letters of credit and surety bonds, compared to \$1.2 billion as of December 31, 2020. The increase is primarily due to the acquisition of Direct Energy in January 2021. Most of these letters of credit and surety bonds are issued in support of the Company's obligations to perform under commodity agreements and obligations associated with future closure and maintenance of ash sites, as well as for financing or other arrangements. A majority of these letters of credit and surety bonds expire within one year of issuance, and it is typical for the Company to renew them on similar terms.

#### **Retained or Contingent Interests**

NRG does not have any material retained or contingent interests in assets transferred to an unconsolidated entity.

#### Obligations Arising Out of a Variable Interest in an Unconsolidated Entity

Variable interest in equity investments — As of June 30, 2021, NRG has investments in energy and energy-related entities that are accounted for under the equity method of accounting. NRG's investment in Ivanpah is a variable interest entity for which NRG is not the primary beneficiary. See also Note 10, Investments Accounted for Using the Equity Method and Variable Interest Entities, or VIEs.

NRG's pro-rata share of non-recourse debt held by unconsolidated affiliates was approximately \$560 million as of June 30, 2021. This indebtedness may restrict the ability of these subsidiaries to issue dividends or distributions to NRG. See also Note 15, *Investments Accounted for by the Equity Method and Variable Interest Entities*, to the Company's 2020 Form 10-K

#### **Contractual Obligations and Market Commitments**

NRG has a variety of contractual obligations and other market commitments that represent prospective cash requirements in addition to the Company's capital expenditure programs, as disclosed in the Company's 2020 Form 10-K. See also Note 9, Long-term Debt and Finance Leases, and Note 16, Commitments and Contingencies, to this Form 10-Q for a discussion of new commitments and contingencies that also include contractual obligations and market commitments that occurred during the three and six months ended June 30, 2021.

#### **Guarantor Financial Information**

As of June 30, 2021, the Company had outstanding \$5.9 billion of Senior Notes and Convertible Senior Notes due 2026 to 2048, outstanding \$2.5 billion of Senior Secured First Lien Notes due from 2024 to 2029 and outstanding \$466 million of tax-exempt bonds as shown in Note 9, *Long-term Debt and Finance Leases*. These Senior Notes, Senior Secured First Lien Notes and tax-exempt bonds are guaranteed by certain of NRG's current and future 100% owned domestic subsidiaries, or guarantor subsidiaries (the "Guarantors"). See Exhibit 22.1 for a listing of the Guarantors. These guarantees are both joint and several.

NRG conducts much of its business through and derives much of its income from its subsidiaries. Therefore, the Company's ability to make required payments with respect to its indebtedness and other obligations depends on the financial results and condition of its subsidiaries and NRG's ability to receive funds from its subsidiaries. There are no restrictions on the ability of any of the Guarantors to transfer funds to NRG. Other subsidiaries of the Company do not guarantee the registered debt securities of either NRG Energy, Inc or the Guarantors (such subsidiaries are referred to as the "Non-Guarantors"). The Non-Guarantors include all of NRG's foreign subsidiaries and certain domestic subsidiaries.

The tables below present summarized financial information of NRG Energy, Inc. and the Guarantors in accordance with Rule 3-10 under the SEC's Regulation S-X. The financial information may not necessarily be indicative of results of operations or financial position of NRG Energy, Inc. and the Guarantors in accordance with U.S. GAAP.

The following table presents the summarized statement of operations:

(In millions)	For the Year Ended June 30, 2021 <sup>(a)</sup>
Operating revenues	\$ 11,779
Operating income	1,805
Total other expense	(208)
Income from Continuing Operations	1,597
Net Income	1,320

<sup>(</sup>a) Intercompany transactions with Non-Guarantors include operating revenue of \$38 million, cost of operations of \$(98) million and selling, general and administrative of \$38 million

The following table presents the summarized balance sheet information:

(In millions)	 June 30, 2021
Current assets <sup>(a)</sup>	\$ 7,917
Property, plant and equipment, net	1,315
Non-current assets	11,391
Current liabilities <sup>(a)</sup>	6,779
Non-current liabilities	11,667

<sup>(</sup>a) Includes intercompany receivables of \$272 million and intercompany payables of \$55 million due from Non-Guarantors

#### **Fair Value of Derivative Instruments**

NRG may enter into power purchase and sales contracts, fuel purchase contracts and other energy-related financial instruments to mitigate variability in earnings due to fluctuations in spot market prices and to hedge fuel requirements at power plants or retail load obligations. In addition, in order to mitigate foreign exchange rate risk associated with the purchase of USD denominated natural gas for the Company's Canadian business, NRG enters into foreign exchange contract agreements.

NRG's trading activities are subject to limits in accordance with the Company's Risk Management Policy. These contracts are recognized on the balance sheet at fair value and changes in the fair value of these derivative financial instruments are recognized in earnings.

The tables below disclose the activities that include both exchange and non-exchange traded contracts accounted for at fair value in accordance with ASC 820, Fair Value Measurements and Disclosures, or ASC 820. Specifically, these tables disaggregate realized and unrealized changes in fair value; disaggregate estimated fair values at June 30, 2021, based on their level within the fair value hierarchy defined in ASC 820; and indicate the maturities of contracts at June 30, 2021. For a full discussion of the Company's valuation methodology of its contracts, see Derivative Fair Value Measurements in Note 5, Fair Value of Financial Instruments.

Derivative Activity (Losses)/Gains	(In	millions)
Fair Value of Contracts as of December 31, 2020	\$	(63)
Contracts realized or otherwise settled during the period		271
Direct contracts acquired during the period		(283)
Changes in fair value		1,980
Fair Value of Contracts as of June 30, 2021	\$	1,905

	Fair Value of Contracts as of June 30, 2021									
(In millions)	Maturity									
Fair value hierarchy Gains		1 Year or Less Greater than 1 Year to 3 Years		Greater than 3 Years to 5 Years		Greater than 5 Years		Total Fair Value		
Level 1	\$	192	\$	73	\$	11	\$	4	\$	280
Level 2		627		359		63		2		1,051
Level 3		307		118		43		106		574
Total	\$	1,126	\$	550	\$	117	\$	112	\$	1,905

The Company has elected to disclose derivative assets and liabilities on a trade-by-trade basis and does not offset amounts at the counterparty master agreement level. Also, collateral received or posted on the Company's derivative assets or liabilities are recorded on a separate line item on the balance sheet. Consequently, the magnitude of the changes in individual current and non-current derivative assets or liabilities is higher than the underlying credit and market risk of the Company's portfolio. As discussed in Item 3, *Quantitative and Qualitative Disclosures About Market Risk* — *Commodity Price Risk*, to this Form 10-Q, NRG measures the sensitivity of the Company's portfolio to potential changes in market prices using VaR, a statistical model which attempts to predict risk of loss based on market price and volatility. NRG's risk management policy places a limit on one-day holding period VaR, which limits the Company's net open position. As the Company's trade-by-trade derivative accounting results in a gross-up of the Company's derivative assets and liabilities, the net derivative asset and liability position is a better indicator of NRG's hedging activity. As of June 30, 2021, NRG's net derivative asset was \$1.9 billion, an increase to total fair value of \$2.0 billion as compared to December 31, 2020. This increase was primarily driven by gains in fair value and roll-off of trades that settled during the period, partially offset by Direct Energy contracts acquired during the period.

Based on a sensitivity analysis using simplified assumptions, the impact of a \$0.50 per MMBtu increase in natural gas prices across the term of the derivative contracts would result in an increase of approximately \$1.3 billion in the net value of derivatives as of June 30, 2021.

The impact of a \$0.50 per MMBtu decrease in natural gas prices across the term of derivative contracts would result in a decrease of approximately \$1.4 billion in the net value of derivatives as of June 30, 2021.

#### **Critical Accounting Policies and Estimates**

NRG's discussion and analysis of the financial condition and results of operations are based upon the condensed consolidated financial statements, which have been prepared in accordance with GAAP. The preparation of these financial statements and related disclosures in compliance with GAAP requires the application of appropriate technical accounting rules and guidance as well as the use of estimates and judgments that affect the reported amounts of assets, liabilities, revenues and expenses, and related disclosures of contingent assets and liabilities. The application of these policies involves judgments regarding future events, including the likelihood of success of particular projects, legal and regulatory challenges, and the fair value of certain assets and liabilities. These judgments could materially affect the financial statements and disclosures based on varying assumptions, which may be appropriate to use. In addition, the financial and operating environment may also have a significant effect, not only on the operation of the business, but on the results reported through the application of accounting measures used in preparing the financial statements and related disclosures, even if the nature of the accounting policies has not changed.

On an ongoing basis, NRG evaluates these estimates, utilizing historic experience, consultation with experts and other methods the Company considers reasonable. In any event, actual results may differ substantially from the Company's estimates. Any effects on the Company's business, financial position or results of operations resulting from revisions to these estimates are recorded in the period in which the information that gives rise to the revision becomes known.

The Company identifies its critical accounting policies as those that are the most pervasive and important to the portrayal of the Company's financial position and results of operations, and require the most difficult, subjective and/or complex judgments by management regarding estimates about matters that are inherently uncertain. NRG's critical accounting policies include derivative instruments, income taxes and valuation allowance for deferred tax assets, impairment of long-lived assets and investments, goodwill and other intangible assets, and contingencies.

The Company's significant accounting policies are outlined in Note 2, Summary of Significant Accounting Policies, of this Form 10-Q, and in Note 2, Summary of Significant Accounting Policies, under Part IV, Item 15 of the Company's 2020 Form 10-K. The Company's critical accounting estimates are described in Part II, Item 7, Management's Discussion and Analysis of Financial Condition and Results of Operations, in the Company's 2020 Form 10-K. There have been no material changes to the Company's critical accounting policies and estimates since the 2020 Form 10-K.

# ITEM 3 — QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

NRG is exposed to several market risks in the Company's normal business activities. Market risk is the potential loss that may result from market changes associated with the Company's merchant power generation or with existing or forecasted financial or commodity transactions. The types of market risks the Company is exposed to are commodity price risk, liquidity risk, credit risk, interest rate risk and currency exchange risk. The following disclosures about market risk provide an update to, and should be read in conjunction with, Item 7A, *Quantitative and Qualitative Disclosures About Market Risk*, of the Company's 2020 Form 10-K.

# Commodity Price Risk

Commodity price risks result from exposures to changes in spot prices, forward prices, volatilities and correlations between various commodities, such as natural gas, electricity, coal, oil and emissions credits. NRG manages the commodity price risk of the Company's merchant generation operations and load serving obligations by entering into various derivative or non-derivative instruments to hedge the variability in future cash flows from forecasted sales and purchases of electricity and fuel. NRG measures the risk of the Company's portfolio using several analytical methods, including sensitivity tests, scenario tests, stress tests, position reports and VaR. NRG uses a Monte Carlo simulation based VaR model to estimate the potential loss in the fair value of its energy assets and liabilities, which includes generation assets, gas transportation and storage assets, load obligations and bilateral physical and financial transactions, based on historical and forward values for factors such as customer demand, weather and commodity prices. The Company's VaR model is based on a one-day holding period at a 95% confidence interval for the forward 36 months, not including the spot month. The VaR model is not a complete picture of all risks that may affect the Company's results. Certain events such as counterparty defaults, regulatory changes, and extreme weather and prices that deviate significantly from historically observed values are not reflected in the model.

The following table summarizes average, maximum and minimum VaR for NRG's commodity portfolio, calculated using the VaR model for the three and six months ending June 30, 2021 and 2020:

(In millions)	20	)21	20	)20
VaR as of June 30, (a)	\$	41	\$	25
Three months ended June 30,				
Average	\$	32	\$	26
Maximum		46		31
Minimum		26		22
Six months ended June 30,				
Average <sup>(b)</sup>	\$	31	\$	27
Maximum <sup>(b)</sup>		46		47
Minimum <sup>(b)</sup>		25		22

<sup>(</sup>a) Calculation includes entire NRG portfolio as of June 30, 2021

(b) Calculation is based on NRG generation assets and load obligations excluding the acquisition of Direct Energy assets and load obligations in the first quarter of 2021

In order to provide additional information, the Company also uses VaR to estimate the potential loss of derivative financial instruments that are subject to mark-to-market accounting. These derivative instruments include transactions that were entered into for both asset management and trading purposes. The VaR for the derivative financial instruments calculated using the diversified VaR model for the entire term of these instruments entered into for both asset management and trading, was \$158 million, as of June 30, 2021, primarily driven by asset-backed and hedging transactions. The increase in the VaR for derivative financial instruments was primarily due to the acquisition of Direct Energy.

#### Liquidity Risk

Liquidity risk arises from the general funding needs of the Company's activities and in the management of the Company's assets and liabilities. The Company is currently exposed to additional collateral posting if natural gas prices decline, primarily due to the long natural gas equivalent position at various exchanges used to hedge NRG's retail supply load obligations.

Based on a sensitivity analysis for power and gas positions under marginable contracts as of June 30, 2021, a \$0.50 per MMBtu decrease in natural gas prices across the term of the marginable contracts would cause an increase in margin collateral posted of approximately \$631 million and a 1.00 MMBtu/MWh decrease in heat rates for heat rate positions would result in an increase in margin collateral posted of approximately \$247 million. This analysis uses simplified assumptions and is calculated based on portfolio composition and margin-related contract provisions as of June 30, 2021.

#### Credit Risk

Credit risk relates to the risk of loss resulting from non-performance or non-payment by counterparties pursuant to the terms of their contractual obligations. NRG is exposed to counterparty credit risk through various activities including wholesale sales, fuel purchases and retail supply arrangements, and retail customer credit risk through its retail load activities. See Note 5, *Fair Value of Financial Instruments*, to this Form 10-Q for discussions regarding counterparty credit risk and retail customer credit risk, and Note 7, *Accounting for Derivative Instruments and Hedging Activities*, to this Form 10-Q for discussion regarding credit risk contingent features.

#### Interest Rate Risk

As of June 30, 2021, the fair value and related carrying value of the Company's debt was \$9.3 billion and \$8.9 billion, respectively. NRG estimates that a 1% decrease in market interest rates would have increased the fair value of the Company's long-term debt as of June 30, 2021 by \$709 million.

#### Currency Exchange Risk

NRG is subject to transactional exchange rate risk from transactions with customers in countries outside of the United States, primarily within Canada, as well as from intercompany transactions between affiliates. Transactional exchange rate risk arises from the purchase and sale of goods and services in currencies other than our functional currency or the functional currency of an applicable subsidiary. NRG hedges a portion of its forecasted currency transactions with foreign exchange forward contracts. As of June 30, 2021, NRG is exposed to changes in foreign currency associated with the purchase of U.S.dollar denominated natural gas for its Canadian business and entered into foreign exchange contracts with notional amount of \$140 million.

The Company is subject to translation exchange rate risk related to the translation of the financial statements of its foreign operations into U.S. dollars. Costs incurred and sales recorded by subsidiaries operating outside of the United States are translated into U.S. dollars using exchange rates effective during the respective period. As a result, the Company is exposed to movements in the exchange rates of various currencies against the U.S. dollar, primarily the Canadian and Australian dollars. A hypothetical 10% appreciation in major currencies relative to the U.S. dollar as of June 30, 2021 would have resulted in an increase of \$5 million to net income within the Consolidated Statement of Operations.

# ITEM 4 — CONTROLS AND PROCEDURES

Conclusion Regarding the Effectiveness of Disclosure Controls and Procedures

Under the supervision and with the participation of NRG's management, including its principal executive officer, principal financial officer and principal accounting officer, NRG conducted an evaluation of the effectiveness of the design and operation of its disclosure controls and procedures, as such term is defined in Rules 13a-15(e) or 15d-15(e) of the Exchange Act. Based on this evaluation, the Company's principal executive officer, principal financial officer and principal accounting officer concluded that the disclosure controls and procedures were effective as of the end of the period covered by this Quarterly Report on Form 10-Q.

Changes in Internal Control over Financial Reporting

There were no changes in NRG's internal control over financial reporting (as such term is defined in Rule 13a-15(f) under the Exchange Act) that occurred in the quarter ended June 30, 2021 that materially affected, or are reasonably likely to materially affect, NRG's internal control over financial reporting.

#### PART II — OTHER INFORMATION

# ITEM 1 — LEGAL PROCEEDINGS

For a discussion of material legal proceedings in which NRG was involved through June 30, 2021, see Note 16, *Commitments and Contingencies*, to this Form 10-Q.

# ITEM 1A — RISK FACTORS

During the six months ended June 30, 2021, there were no material changes to the Risk Factors disclosed in Part I, Item 1A, *Risk Factors*, of the Company's 2020 Form 10-K.

# ITEM 2 — UNREGISTERED SALES OF EQUITY SECURITIES AND USE OF PROCEEDS

During the quarter ended June 30, 2021, no purchases of NRG's common stock were made by or on behalf of NRG or any "affiliated purchaser" (as defined in Rule 10b-18(a)(3) under the Exchange Act).

# ITEM 3 — DEFAULTS UPON SENIOR SECURITIES

None.

# ITEM 4 — MINE SAFETY DISCLOSURES

There have been no events that are required to be reported under this Item.

# ITEM 5 — OTHER INFORMATION

None.

# ITEM 6 — EXHIBITS

Number	Description	Method of Filing
10.1	A copy of Amendment No. 1 to Receivables Loan and Servicing Agreement, dated as of July 26, 2021, among NRG Retail LLC, as Servicer, NRG Receivables LLC, as Borrower, NRG Energy, Inc., as Performance Guarantor, the Conduit Lenders, Committed Lenders, Facility Agents and LC Issuers party, and Royal Bank of Canada, as administrative Agent, and included as Exhibit A-2 thereto a clean, conformed copy of the Receivables Loan and Servicing Agreement.	Filed herewith.
22.1	<u>List of Guarantor Subsidiaries</u>	Filed herewith.
31.1	Rule 13a-14(a)/15d-14(a) certification of Mauricio Gutierrez.	Filed herewith.
31.2	Rule 13a-14(a)/15d-14(a) certification of Alberto Fornaro.	Filed herewith.
31.3	Rule 13a-14(a)/15d-14(a) certification of David Callen.	Filed herewith.
32	Section 1350 Certification.	Furnished herewith.
101 INS	Inline XBRL Instance Document.	The instance document does not appear in the interactive data file because its XBRL tags are embedded within the inline XBRL document.
101 SCH	Inline XBRL Taxonomy Extension Schema.	Filed herewith.
101 CAL	Inline XBRL Taxonomy Extension Calculation Linkbase.	Filed herewith.
101 DEF	Inline XBRL Taxonomy Extension Definition Linkbase.	Filed herewith.
101 LAB	Inline XBRL Taxonomy Extension Label Linkbase.	Filed herewith.
101 PRE	Inline XBRL Taxonomy Extension Presentation Linkbase.	Filed herewith.
104	Cover Page Interactive Data File (the cover page interactive data file does not appear in Exhibit 104 because it's Inline XBRL tags are embedded within the Inline XBRL document).	Filed herewith.

# **SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

NRG ENERGY, INC. (Registrant)

# /s/ MAURICIO GUTIERREZ

Mauricio Gutierrez Chief Executive Officer (Principal Executive Officer)

# /s/ ALBERTO FORNARO

Alberto Fornaro Chief Financial Officer (Principal Financial Officer)

# /s/ DAVID CALLEN

David Callen

Chief Accounting Officer (Principal Accounting Officer)

Date: August 5, 2021