

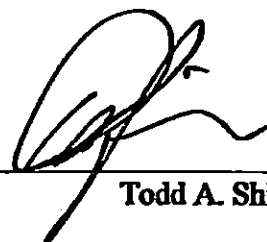
AFFIDAVIT

STATE OF NORTH CAROLINA

COUNTY OF GUILFORD

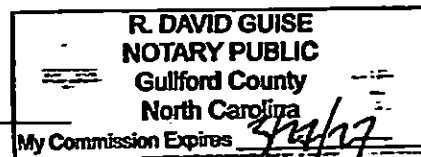
NOW BEFORE ME, the undersigned authority, personally came and appeared, **TODD A. SHIPMAN**, who after being duly sworn by me, did depose and say:

That the above and foregoing is his sworn testimony in this proceeding and that he knows the contents thereof, that the same are true as stated, except as to matters and things, if any, stated on information and belief, and that as to those matters and things, he verily believes them to be true.



Todd A. Shipman

SWORN TO AND SUBSCRIBED BEFORE ME
THIS 14th DAY OF DECEMBER, 2022


NOTARY PUBLIC

My commission expires: 3/27/2027

**BEFORE THE
LOUISIANA PUBLIC SERVICE COMMISSION**

***IN RE:* APPLICATION OF ENTERGY)
LOUISIANA, LLC FOR APPROVAL)
OF THE ENTERGY FUTURE READY)
RESILIENCE PLAN (PHASE I))**

DOCKET NO. U- _____

EXHIBIT TAS-1

DECEMBER 2022

TODD A. SHIPMAN, CFA

tshipman@utility-credit.com

857.260.0656

Experience

Utility Credit Consultancy LLC

Orleans, MA

Principal

May 2018 - Present

Founded a consulting firm to provide utilities with expert witness services and advice on capital market strategies. Specialize in capital markets issues, credit rating advisory, and hybrid securities.

Boston University

Boston, MA

Lecturer

January 2017 – June 2020

Adjunct faculty member in the Questrom School of Business, Department of Finance. Taught advanced undergraduate finance courses covering capital markets, monetary and economic policy, and corporate finance.

S&P Global Ratings

New York, NY and Boston, MA

Senior Director

April 2014 - May 2018

Director

April 2000 - April 2014

Associate Director

March 1997 - April 2000

Sector Specialist on the Global Infrastructure Ratings North American Utilities team. Performed credit surveillance of utilities, pipelines, midstream energy, and diversified energy companies. Chaired most team rating committees. Wrote credit reports and commentaries and led outreach efforts to investors and the regulatory community, including speeches and training seminars. Lead analytical role developing global rating criteria for utilities, master limited partnerships, and hybrid capital securities.

Electric Utility Research Inc (defunct), San Francisco, CA

Senior Vice President

May 1996 - March 1997

Edited and contributed to an investor newsletter covering the electric utility industry

Sithe Energies Inc.

New York, NY

Manager, Regulatory Affairs

November 1993 - May 1996

Managed state regulatory matters for a major independent power company. Coordinated interventions in regulatory proceedings. Assisted in identifying development opportunities. Participated in investor relations activities.

Regulatory Research Associates

Jersey City, NJ

Vice President

October 1993 - November 1993

Senior Analyst

August 1989 - October 1993

Analyst

August 1985 - August 1989

Analyzed and reported on actions by state regulators affecting the financial status of electric, gas, and telephone utilities for a firm that provided research to the Wall St. community. Contributed to the firm's sell-side research.

Education

J.D., Texas Tech University School of Law, Lubbock, TX May 1984

B.B.A., Texas Christian University, Fort Worth, TX May 1981

Professional Affiliations & Other Activities

Executive Advisor, Concentric Energy Advisors, Marlborough MA

Chartered Financial Analyst

Wall Street Utility Group

Fixed Income Analysts Society Inc

Society of Utility and Regulatory Financial Analysts

**BEFORE THE
LOUISIANA PUBLIC SERVICE COMMISSION**

***IN RE:* APPLICATION OF ENTERGY)
LOUISIANA, LLC FOR APPROVAL)
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DOCKET NO. U-_____

EXHIBIT TAS-2

DECEMBER 2022



FILINGS

Unless otherwise noted, the proceeding was a rate case.

Client: Hawaiian Electric Companies

State: Hawaii

Docket/Proceeding: # 2018-0088, *Instituting a Proceeding to Investigate Performance-Based Regulation*

Date: October 25, 2018

Submittal: Regulatory Assessment Brief (Appendix: Effect of Major Regulatory Reform on Credit Quality)

Client: Avista / Hydro One

State: Washington

Docket/Proceeding: #UM 1897, *In the matter of HYDRO ONE LIMITED, Application for Authority to Exercise Substantial Influence over the Policies and Actions of AVISTA CORPORATION*

Date: October 4, 2018

Submittal: Rebuttal Testimony of John R. Reed (Exhibit 2601: Independent Report of Todd A. Shipman)

Client: Wisconsin Electric Power Co. / Wisconsin Gas LLC

State: Wisconsin

Docket/Proceeding: #05-UR-109

Date: March 28, 2019 / September 17, 2019

Submittal: Direct and Rebuttal Testimony

 Utility
 Credit
 Consultancy LLC

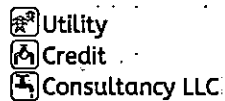
FILINGS

Client Wisconsin Public Service Corp.
State: Wisconsin
Docket/Proceeding: #6690-UR-126
Date: March 28, 2019
Submittal: Direct Testimony

Client: San Diego Gas & Electric Co.
State: California
Docket/Proceeding: #A.19-04-017 (Cost of Capital)
Date: April 2019 / August 1, 2019 / August 21, 2019
Submittal: Direct, Supplemental, and Rebuttal Testimony

Client: Consolidated Edison of New York Co.
State: New York
Docket/Proceeding: #19-E-0065 & 19-G-0066
Date: June 14, 2019
Submittal: Rebuttal Testimony

Client: Roanoke Gas Co.
State: Virginia
Docket/Proceeding: #PUR-2018-00013
Date: July 30, 2019
Submittal: Rebuttal Testimony



FILINGS

Client: Hawaii Electric Light Co.
State: Hawaii
Docket/Proceeding: #2018-0368
Date: October 9, 2019
Submittal: Rebuttal Testimony

Client: Mississippi Power Co.
State: Mississippi
Docket/Proceeding: #2019-UN-219
Date: November 26, 2019
Submittal: Direct Testimony

Client: Southwestern Public Service Co.
State: New Mexico
Docket/Proceeding: #19-00170-UT
Date: December 20, 2019
Submittal: *Rebuttal Testimony*

Client: Southwestern Public Service Co.
State: Texas
Docket/Proceeding: #49831
Date: March 11, 2020
Submittal: Rebuttal Testimony



FILINGS

Client: Southwest Gas Corp
State: Arizona
Docket/Proceeding: #G-01551A-19-0055
Date: March 11, 2020
Submittal: Rebuttal Testimony

Client: Hawaiian Electric Companies
State: Hawaii
Docket/Proceeding: # 2018-0088, *Instituting a Proceeding to Investigate Performance-Based Regulation*
Date: June 18, 2020
Submittal: Phase 2 Statement of Position (Exhibit C2: Financial Integrity and Credit Ratings)

Client: Arizona Public Service Co.
State: Arizona
Docket/Proceeding: #E-01345A-19-0236
Date: November 6, 2020
Submittal: Rebuttal and Rejoinder Testimony

 Utility
 Credit
 Consultancy LLC

FILINGS

Client: Southwestern Public Service Co.
State: New Mexico
Docket/Proceeding: #20-00238-UT
Date: December 18, 2020
Submittal: Direct Testimony; Rebuttal Testimony

Client: Southwestern Public Service Co.
State: Texas
Docket/Proceeding: #51802
Date: February 8, 2021
Submittal: Direct Testimony, Rebuttal Testimony

Client: Orange and Rockland Utilities Co.
State: New York
Docket/Proceeding: #21-E-0074 & 21-G-0073
Date: January 29, 2021
Submittal: Direct Testimony, Rebuttal Testimony

Client: Puget Sound Energy, Inc.
State: Washington
Docket/Proceeding: #UE-220066 & UG-220067
Date: January 31, 2022
Submittal: Direct Testimony, Testimony In Support of Settlement



FILINGS

Client: Wisconsin Electric Power Co. / Wisconsin Gas LLC
State: Wisconsin
Docket/Proceeding: #5-UR-110
Date: April 28, 2022
Submittal: Direct Testimony

Client: Wisconsin Public Service Corp.
State: Wisconsin
Docket/Proceeding: #6690-UR-127
Date: April 28, 2022
Submittal: Direct Testimony

Client: Consolidated Edison of New York Co.
State: New York
Docket/Proceeding: #22-E-0064 & 21-G-0065
Date: June 17, 2022
Submittal: Rebuttal Testimony

**BEFORE THE
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RESILIENCE PLAN (PHASE I))**

DOCKET NO. U-_____

EXHIBIT TAS-3

DECEMBER 2022

EXHIBIT TAS-3

RATINGS SCALES

MOODY'S INVESTOR SERVICE	S&P GLOBAL RATINGS
Aaa	AAA
Aa1	AA+
Aa2	AA
Aa3	AA-
A1	A+
A2	A
A3	A-
Baa1	BBB+
Baa2	BBB
Baa3	BBB-
Ba1	BB+
Ba2	BB
Ba3	BB-
B1	B+
B2	B
B3	B-
Caa1	CCC+
Caa2	CCC
Caa3	CCC-
Ca	CC
C	C
D	D

Note: The line demarcates the investment-grade/speculative-grade divide

**BEFORE THE
LOUISIANA PUBLIC SERVICE COMMISSION**

***IN RE:* APPLICATION OF ENTERGY)
LOUISIANA, LLC FOR APPROVAL)
OF THE ENTERGY FUTURE READY)
RESILIENCE PLAN (PHASE I))**

DOCKET NO. U-_____

EXHIBIT TAS-4

DECEMBER 2022

CREDIT OPINION

4 October 2022

Update


RATINGS
Entergy Louisiana, LLC

Domicile New Orleans, Louisiana,
United States

Long Term Rating Baa1

Type LT Issuer Rating - Dom
Curr

Outlook Negative

Please see the ratings section at the end of this report for more information. The ratings and outlook shown reflect information as of the publication date.

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MD - Global Infrastructure & Cyber Risk
james.hempstead@moody's.com

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Asia Pacific 852-3551-3077

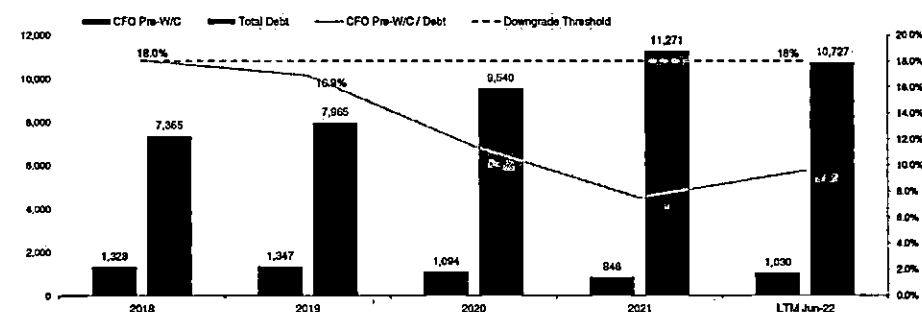
Japan 81-3-5408-4100

EMEA 44-20-7772-5454

Entergy Louisiana, LLC
Update to credit analysis
Summary

Entergy Louisiana, LLC's (ELL, Baa1 negative) credit profile is supported by 1) a constructive formula rate plan regulatory framework in Louisiana, where utilities typically generate predictable earnings at the level of their authorized ROEs, 2) a run-rate financial profile expected to generate cash flow to debt ratios in the high teens percent range and 3) the state's track record of providing storm cost recovery via securitization.

ELL's credit profile is constrained by 1) environmental risks associated with its concentration in a storm prone service territory, where hurricanes have caused nearly \$5.0 billion of damage at the utility in 2020 and 2021, 2) social risks around customer, political and regulatory relationships amid outstanding storm cost recovery, inflationary pressures and annual rate increases to recovery capital investments, 3) weak financial metrics due to outstanding storm cost recovery proceedings.

Exhibit 1
Historical CFO pre-WC, Total Debt and CFO pre-WC to debt


The downgrade threshold indicated above is one of several factors that could lead to a downgrade if the metric is below this level for an extended period of time.

Source: Moody's Investor Service

Credit strengths

- » Supportive and consistent regulatory framework oversees over \$14 billion of rate base
- » Formula rate plan enhances earnings predictability
- » Growing demand due to customer electrification efforts

Credit challenges

- » Storm-prone service territory

- » Potential for customer, political or regulatory pushback on forthcoming rate increases
- » Financial metrics continue to be weak as storm cost securitization process continues
- » High exposure (i.e., around two-thirds of historical demand) to commercial and industrial customers

Rating outlook

The negative outlook for ELL reflects the added cost burden resulting from recent storm activity and the potential for prolonged financial metric weakness.

Factors that could lead to an upgrade

- » An upgrade over the near term is unlikely given the negative outlook but could happen if the following occurs:
- » CFO pre-WC to debt above 21% on a sustained basis
- » More forward-looking cost recovery mechanisms are incorporated into rates

Factors that could lead to a downgrade

- » If significant storm costs are not recovered on a timely basis
- » Another major storm in 2022 adds materially to unrecovered costs
- » A pattern of adverse regulatory decisions
- » CFO pre-WC to debt below 18% for an extended period of time

Key indicators

Entergy Louisiana, LLC

	Dec-18	Dec-19	Dec-20	Dec-21	LTM Jun-22
CFO Pre-W/C + Interest / Interest	5.3x	5.2x	4.2x	3.4x	3.8x
CFO Pre-W/C / Debt	18.0%	16.9%	11.5%	7.5%	9.6%
CFO Pre-W/C—Dividends / Debt	16.3%	14.3%	11.2%	7.0%	7.9%
Debt / Capitalization	47.9%	47.6%	49.9%	51.5%	47.6%

All ratios are based on 'Adjusted' financial data and incorporate Moody's Global Standard Adjustments for Non-Financial Corporations

Source: Moody's Financial Metrics

Profile

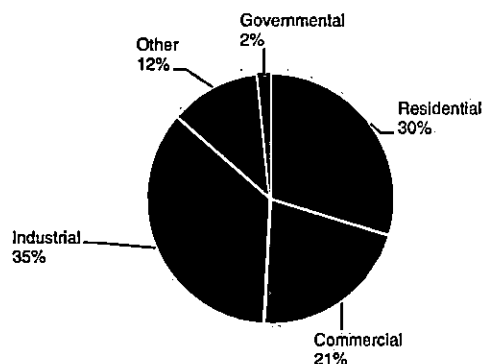
Entergy Louisiana, LLC (ELL, Baa1 negative) is a vertically integrated utility regulated by the Louisiana Public Service Commission (LPSC), serving around 1.1 million electric and gas customers in Louisiana. ELL is comprised of two legacy Entergy utilities: the former Entergy Louisiana and Entergy Gulf States Louisiana (EGSL).

ELL, Entergy Corporation's (Entergy, Baa2 negative) largest utility subsidiary, is expected to contribute over 40% of the parent company's EBITDA in 2022. ELL's revenue is typically more weighted toward industrial customers, as seen in Exhibit 3.

This publication does not announce a credit rating action. For any credit ratings referenced in this publication, please see the issuer/deal page on <https://ratings.moodys.com> for the most updated credit rating action information and rating history.

Exhibit 3

ELL has a relatively high exposure of electricity sales to industrial customers% of 2021 revenue per customer class



Source: Entergy Corporation 2021 Statistical Report and Investor Guide

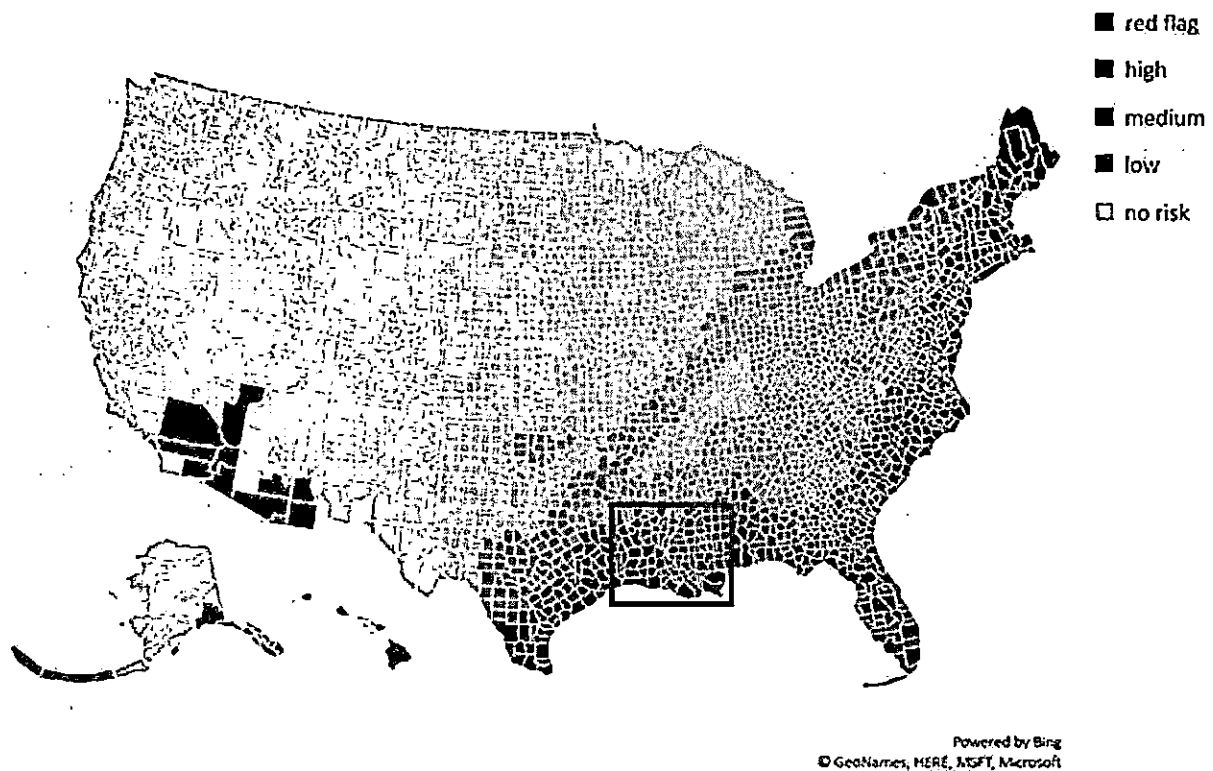
Detailed credit considerations

Potential for operational, financial and affordability pressures due to ELL's location in a storm-prone service territory

Over the past 2 years, Hurricanes Laura, Delta, Zeta and Ida have caused nearly \$5.0 billion of storm damage to ELL's asset base, which represents over 35% of ELL's approximately \$14 billion in total rate base. While we have long cited the company's geographical footprint as a risk for ongoing storm activity, the frequency and severity of recent storms is unprecedented and the most active on record, as illustrated in the exhibit below. This reflects a higher risk operating environment due to the physical effects of climate change and the capital required to bolster infrastructure and recover from damaging events.

Exhibit 4

ELL's significant storm activity has resulted in nearly \$7.0 billion of costs since 2005



The indicator reflects the cumulative wind velocity from recorded cyclones over the period 1980-2016
Source: Entergy SEC filings

Storm cost recovery is on track, but customer affordability remains a challenge

ELL has been successfully addressing some of the key challenges that prompted its negative outlook in September 2021. For example, the company completed roughly \$3.2 billion of storm cost securitizations this year, primarily due to Hurricanes Laura, Delta and Zeta, but also included \$1.0 billion of 2021's Hurricane Ida recovery, with the remaining \$1.6 billion of Ida cost recovery currently pending before the LPSC.

There is a strong precedent for storm cost securitization in Louisiana (see the exhibit below which lists storm activity affecting ELL's service territory since 2005), and we expect that the LPSC will continue to authorize ELL to use this tool for future cost recovery. We view securitization to be credit positive, since it incorporates the lowest cost of financing to minimize the customer rate impact and is non-recourse to the utility, which acts as a pass through conduit for collections. As such, we expect the remaining \$1.6 billion of Ida cost recovery to be securitized in early 2023.

While Louisiana has been supportive of the recovery of these exogenous costs to date, customer affordability issues will remain an ongoing challenge for ELL, since management is looking to accelerate storm hardening efforts of its transmission and distribution assets. These rising capital costs, on top of inflation, high interest rates and other economic pressures, could result in challenged customer relations and the prospect of political intervention into rate making, which would make ELL's financial improvement more difficult.

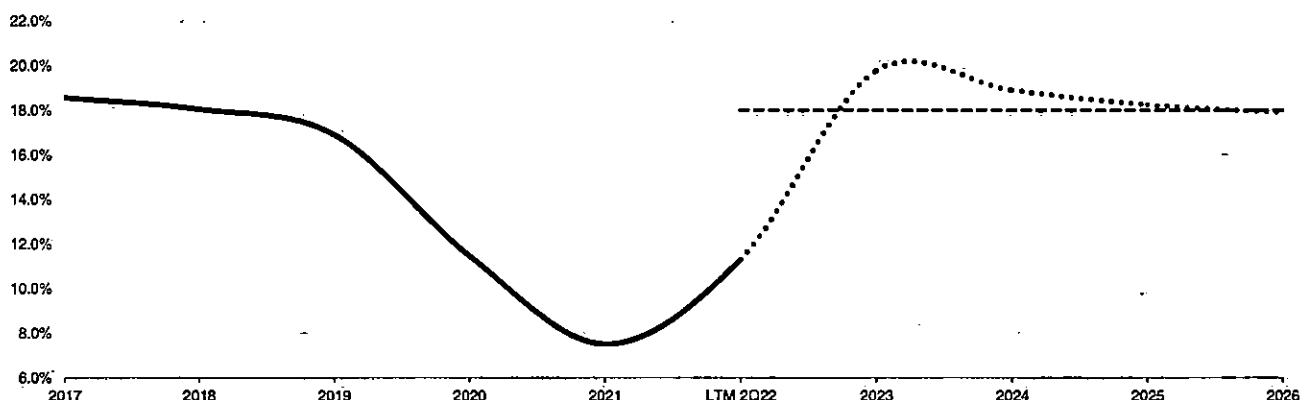
Financial metrics will rebound after securitization, but could remain weakly positioned

The company's ratio of CFO pre-WC to debt is under 10% through LTM Q2 2022; however, when excluding \$1.6 billion of debt the remaining Ida costs to be securitized, this metric would improve to just over 11%. On a run-rate basis, we expect the utility's cash flow to improve commensurate with rate base (capital spending) growth and return to levels above 18%, as seen in the exhibit below.

However, our projected metrics are sensitive to several items that could cause ELL's actual performance to deviate from this level, including our assumptions that 1) most capital spending is recovered on a timely basis, 2) cash tax payments remain very low, 3) the company earns the midpoint of its allowed ROE levels, 4) there are no material changes to regulatory asset and liability balances and 5) no major storms.

Exhibit 5

ELL's ratio of CFO pre-WC to debt should rebound to over 18% once the Ida storm securitization is complete



Source: Moody's Financial Metrics and Moody's Investors Service projections

Regarding the latter, if we incorporate a \$750 million storm event into our projections (excluding the cash flow decline from nonpaying customers) every three years, ELL's CFO pre-WC to debt would be around 17-18% on a rolling three year average, assuming its average adjusted debt capitalization (i.e., debt / (debt + equity)) remains around 48%.

Supportive and predictable regulatory environment with a history of providing storm cost recovery

Louisiana is a credit supportive regulatory environment, where formula rate plans (FRPs) provide clarity on future cost recovery, including operating and capital expenditures. ELL's FRP helps to reduce regulatory lag and increase the predictability of future cash flow and financial metrics by incorporating these costs into rates without the need for periodic general rate case proceedings. These features allow for higher predictability and consistency of the rate making process, as well as contributing to stability of earnings and cash flow.

ESG considerations

ELL's ESG Credit Impact Score is CIS-3 (Moderately Negative)

Exhibit 6

ESG Credit Impact Score

CIS-3

Moderately Negative



For an issuer scored CIS-3 (Moderately Negative), its ESG attributes are overall considered as having a limited impact on the current rating, with greater potential for future negative impact over time. The negative influence of the overall ESG attributes on the rating is more pronounced compared to an issuer scored CIS-2.

Source: Moody's Investors Service

ELL's ESG Credit Impact Score is moderately negative (CIS-3), reflecting highly negative environmental risks, moderately negative social risks and neutral-to-low exposure to governance risks.

Exhibit 7
ESG Issuer Profile Scores

ENVIRONMENTAL

E-4

Highly Negative



SOCIAL

S-3

Moderately Negative



GOVERNANCE

G-2

Neutral-to-Low



Source: Moody's Investors Service

Environmental

ELL's very high exposure to environmental risks (**E-4** issuer profile score) reflects over \$5.0 billion of storm related costs incurred in the past two years, affecting roughly 35% of its rate base. The company's service territory is concentrated on the Gulf of Mexico, which exposes ELL to material and extreme weather events that can cause customer outages and costly repairs. The company also operates nuclear-fueled generation, which includes operational risks around spent fuel waste and pollution management of radioactive uranium.

Social

Exposure to social risks is moderately negative (**S-3** issuer profile score) reflecting the fundamental utility risk that demographics and societal trends could include social pressures or public concern around affordability, utility reputational or environmental risks. In turn, these pressures could result in adverse political intervention into utility operations or regulatory changes. ELL's nuclear generation also carries unique public safety risks that other forms of generation do not.

Governance

ELL's governance is driven by that of its parent, Entergy's governance, is broadly in-line with other utilities and does not pose particular risk (**G-2** issuer profile score). This is supported by our neutral-to-low scores on financial strategy and risk management, management credibility and track record, despite the above average use of aggressive tax policies that have caused some cash flow volatility and recent challenges by regulators.

ESG Issuer Profile Scores and Credit Impact Scores for ELL are available on Moodys.com. In order to view the latest scores, please click [here](#) to go to the landing page for ELL on MDC and view the ESG Scores section.

Liquidity analysis

ELL's internal liquidity is insufficient to cover its capital expenditure plans. However, ample liquidity has been provided through external arrangements with its parent and affiliate money pool, which have been instrumental in providing a bridge to more permanent long-term financing for recent storm costs.

We expect ELL's internal liquidity to consist of around \$1.7 billion of cash flow from operations, compared to about \$1.6 billion of capital expenditures over the next 12 months. As a result, ELL's free cash flow position will largely depend on its dividend policy. Through LTM 30 June 2022, ELL had upstreamed \$185 million dividends to Entergy, compared to an average of \$102 million over the past five years.

ELL's external liquidity includes access to the Entergy System money pool along with its own \$350 million revolving credit facility, which matures in June 2027. The stand-alone facility requires ELL to meet a 65% debt to capitalization covenant. At 30 June 2022, ELL was in compliance with its credit facility covenant and had no revolver borrowings and no letters of credit outstanding.

ELL also has two separate \$105 million facilities under the nuclear fuel company variable interest entities, each set to expire in June 2025. At 30 June 2022, ELL had around \$20 million and \$70 million outstanding on the respective facilities. Additionally, ELL has access to an uncommitted standby letter of credit facility, in order to support its MISO obligations, on which the utility had no letters of credit outstanding at 30 June 2022.

ELL's next long-term debt maturity is \$200 million of collateralized mortgage bonds due in December 2022.

Rating methodology and scorecard factors

Exhibit 8

Entergy Louisiana, LLC

Regulated Electric and Gas Utilities Industry [1][2]		Current LTM 6/30/2022	Moody's 12-18 Month Forward View As of 9/7/2022 [3]
Factor 1 : Regulatory Framework (25%)	Measure	Score	Measure Score
a) Legislative and Judicial Underpinnings of the Regulatory Framework	A	A	A A
b) Consistency and Predictability of Regulation	A	A	A A
Factor 2 : Ability to Recover Costs and Earn Returns (25%)			
a) Timeliness of Recovery of Operating and Capital Costs	A	A	A A
b) Sufficiency of Rates and Returns	A	A	A A
Factor 3 : Diversification (10%)			
a) Market Position	Baa	Baa	Baa Baa
b) Generation and Fuel Diversity	Baa	Baa	Baa Baa
Factor 4 : Financial Strength (40%)			
a) CFO pre-WC + Interest / Interest (3 Year Avg)	4.3x	Baa	4.5x - 5.5x A
b) CFO pre-WC / Debt (3 Year Avg)	11.8%	Ba	17% - 19% Baa
c) CFO pre-WC - Dividends / Debt (3 Year Avg)	10.8%	Baa	14% - 16% Baa
d) Debt / Capitalization (3 Year Avg)	48.8%	Baa	47% - 51% Baa
Rating:			
Scorecard-Indicated Outcome Before Notching Adjustment		Baa1	A3
HoldCo Structural Subordination Notching	0	0	0 0
a) Scorecard-Indicated Outcome		Baa1	A3
b) Actual Rating Assigned		Baa1	Baa1

[1] All ratios are based on 'Adjusted' financial data and incorporate Moody's Global Standard Adjustments for Non-Financial Corporations.

[2] As of 6/30/2022.

[3] This represents Moody's forward view; not the view of the issuer; and unless noted in the text, does not incorporate significant acquisitions and divestitures.

Source: Moody's Investors Service

Appendix

Exhibit 9

Credit metrics and financial statistics

CF Metrics	Dec-18	Dec-19	Dec-20	Dec-21	LTM Jun-22
As Adjusted					
FFO	1,488	1,548	1,503	1,661	1,542
+/- Other	-160	-202	-409	-816	-512
CFO Pre-WC	1,328	1,347	1,094	846	1,030
+/- ΔWC	81	-99	-7	242	-255
CFO	1,409	1,247	1,087	1,087	774
Div	128	208	22	60	185
Capex	1,840	1,666	2,250	3,695	3,622
FCF	-558	-627	-1,185	-2,668	-3,033
(CFO Pre-WC) / Debt	18.0%	16.9%	11.5%	7.5%	9.6%
(CFO Pre-WC - Dividends) / Debt	16.3%	14.3%	11.2%	7.0%	7.9%
FFO / Debt	20.2%	19.4%	15.8%	14.7%	14.4%
RCF / Debt	18.5%	16.8%	15.5%	14.2%	12.6%
Revenue	4,296	4,285	4,070	5,068	5,475
Interest Expense	310	324	344	348	364
Net Income	555	578	1,086	713	997
Total Assets	19,713	21,429	24,686	27,676	27,827
Total Liabilities	13,914	15,137	17,244	19,495	18,306
Total Equity	5,800	6,292	7,443	8,181	9,522

All figures & ratios calculated using Moody's estimates & standard adjustments. Periods are Financial Year-End unless indicated. LTM=Last Twelve Months

Source: Moody's Financial Metrics

Exhibit 10

Peer comparison

(In US millions)	Entergy Louisiana, LLC Baa1 (Negative)			Cleco Power LLC A3 (Stable)			Duke Energy Florida, LLC, A3 (Stable)			Alabama Power Company A1 (Stable)		
	FYE	FYE	LTM	FYE	FYE	LTM	FYE	FYE	LTM	FYE	FYE	LTM
	Dec-20	Dec-21	Jun-22	Dec-20	Dec-21	Jun-22	Dec-20	Dec-21	Jun-22	Dec-21	Dec-21	Jun-22
Revenue	4,070	5,068	5,475	1,032	1,242	1,419	5,188	5,259	5,816	5,830	6,413	6,878
CFO Pre-W/C	1,094	846	1,030	182	135	231	1,701	1,853	1,984	2,276	2,288	2,125
Total Debt	9,540	11,271	10,727	1,791	2,023	2,173	8,543	8,982	9,252	9,257	9,957	10,079
CFO Pre-W/C + Interest / Interest	4.2x	3.4x	3.8x	3.3x	2.7x	3.8x	6.0x	6.6x	6.8x	7.5x	7.4x	6.8x
CFO Pre-W/C / Debt	11.5%	7.5%	9.6%	10.2%	6.7%	10.6%	19.9%	20.6%	21.4%	24.6%	23.0%	21.1%
CFO Pre-W/C - Dividends / Debt	11.2%	7.0%	7.9%	10.2%	6.7%	8.2%	19.9%	20.6%	21.4%	14.3%	13.2%	11.2%
Debt / Capitalization	49.9%	51.5%	47.6%	42.3%	43.2%	44.3%	46.7%	45.6%	45.2%	41.0%	40.8%	39.5%

All figures & ratios calculated using Moody's estimates & standard adjustments. Periods are Financial Year-End unless indicated. LTM=Last Twelve Months
 Source: Moody's Financial Metrics

Ratings

Exhibit 11

Category	Moody's Rating
ENTERGY LOUISIANA, LLC	
Outlook	Negative
Issuer Rating	Baa1
First Mortgage Bonds	A2
Senior Secured	A2
PARENT: ENTERGY CORPORATION	
Outlook	Negative
Issuer Rating	Baa2
Senior Unsecured	Baa2
Commercial Paper	P-2

Source: Moody's Investors Service

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CLIENT SERVICES

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Asia Pacific	852-3551-3077
Japan	81-3-5408-4100
EMEA	44-20-7772-5454

BEFORE THE
LOUISIANA PUBLIC SERVICE COMMISSION

***IN RE:* APPLICATION OF ENTERGY)**
LOUISIANA, LLC FOR APPROVAL)
OF THE ENTERGY FUTURE READY)
RESILIENCE PLAN (PHASE I))

DOCKET NO. U-_____

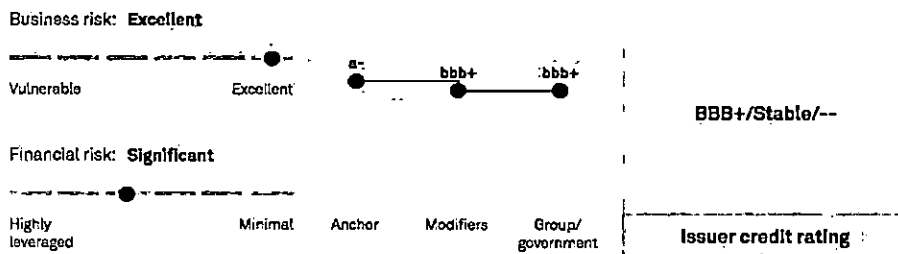
EXHIBIT TAS-5

DECEMBER 2022

Entergy Louisiana LLC

August 25, 2022

Ratings Score Snapshot



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Credit Highlights

Overview

Key strengths

Mid-sized rate-regulated vertically integrated electric utility operations.

Relatively supportive regulatory jurisdiction with formula rate plans (FRP), providing an element of cash flow stability and predictability. Additionally, Louisiana has a well-established procedure for allowing utilities to securitize their storm related costs, which we assess as credit supportive.

Key risks

Mid-sized rate-regulated vertically integrated electric utility operations.

Exposure to severe hurricanes and storms within its service territory.

Lack of sufficient system hardening limits the company's ability to protect against severe storms and increases its business risk relative to peers.

High dependence on industrial customers that could increase cash flow volatility.

Exposure to hurricane activity. Entergy Louisiana (ELL) remains exposed to hurricanes as evidenced by the recent 2021 category 4 Hurricane Ida which was the most destructive hurricane in Louisiana since the 2005 Hurricane Katrina. Furthermore, the National Oceanic and Atmospheric Administration is predicting an above-average Atlantic hurricane season for 2022, potentially raising risk for the company. Although the state has a well-established law that enables utilities to seek securitization to recover such costs,

increasing commodity prices, interest rates, inflationary pressures, and the company's robust capital spending could all pressure the customer bill, potentially weakening the company's consistent ability to effectively manage regulatory risk.

ELL raised its three-year capital spending program. ELL raised its three-year capital plan to about \$4.7 billion from approximately \$4.2 billion. The increase in capital spending is driven by the projected increase in industrial demand in the Gulf region and to address the resiliency of its transmission and distribution system due to the increased frequency and intensity of storms. Given the rising customer bill from rising commodity costs and other rising costs from inflation, ELL's ability to effectively manage regulatory risk could become increasingly challenging.

ELL filed a prudence review of Hurricane Ida restoration costs of \$2.6 billion. In April 2022, ELL filed with the Louisiana Public Service Commission (LPSC) for determination on the prudence and to certify Hurricane Ida costs of about \$2.6 billion, of which \$1 billion of costs were already recovered through securitization in 2022. Following the LPSC's certification of Hurricane Ida costs, ELL will request the use of securitization for the unrecovered costs (about \$1.6 billion), and we expect the securitization bonds to be issued in the first half of 2023.

Outlook

The stable outlook on ELL over the next 24 months reflects our stable outlook on parent Entergy and our expectations that ELL's standalone financial measures will consistently reflect the lower end of the range for its financial risk profile category. Specifically, we expect that ELL's standalone adjusted funds from operations (FFO) to debt will reflect the 14%-17% range through 2024.

Downside scenario

We could lower our ratings on ELL over the next 24 months if:

- We lower our ratings on its parent Entergy; and
- Stand-alone financial measures for the utility weaken such that its adjusted FFO to debt is consistently below 13%.

Upside scenario

We could raise our ratings on ELL over the next 24 months if:

- The utility's stand-alone adjusted FFO to debt is consistently above 18%; or
- We raise our rating on parent Energy.

Our Base-Case Scenario

Assumptions

- Gross profit increase averaging about 5% per year;
- Expected EBITDA margin averaging about 35% per year;
- Annual capital spending averaging about \$1.6 billion through the forecast period;
- About \$785 million in capital spending to restore hurricane damage from hurricane Ida in 2022;
- Negative discretionary cash flow indicating external funding needs;
- Securitization proceeds received in 2023; and
- All debt maturities are refinanced.

Key metrics

Entergy Louisiana, LLC--Key Metrics*

Mil. \$	2021a	2022f	2023f	2024f
FFO to debt (%)	13.1	14-16	15-17	14-16
Debt to EBITDA (x)	6.2	5.0-6.0	5.0-6.0	5.0-6.0
FFO cash interest coverage (x)	5.2	5.0-6.0	9.0-10	8.0-9.0

*All figures adjusted by S&P Global Ratings. a--Actual, f--Forecast. FFO--Funds from operations.

Company Description

ELL is a mid-sized electric and gas utility in Louisiana and is a subsidiary of Entergy Corp. ELL serves about 1.2 million customers in Louisiana, consisting of about 1.1 million electric customers and about 100 thousand gas customers. The company has about 10,700 MW of operating capacity and its electric generation is highly dependent on natural gas-fired generation (about 75%) and nuclear power (about 20%), with only limited exposure to coal-fired generation (about 5%).

Peer Comparison

Entergy Louisiana, LLC--Peer Comparisons

	Entergy Louisiana LLC	Union Electric Co. d/b/a Ameren Missouri	Arizona Public Service Co.	Alabama Power Co.	MidAmerican Energy Co.
Foreign currency issuer credit rating	BBB+/Stable/--	BBB+/Stable/A-2	BBB+/Negative/A-2	A-/Stable/A-2	A/Stable/A-1
Local currency issuer credit rating	BBB+/Stable/--	BBB+/Stable/A-2	BBB+/Negative/A-2	A-/Stable/A-2	A/Stable/A-1
Period	Annual	Annual	Annual	Annual	Annual
Period ending	2021-12-31	2021-12-31	2021-12-31	2021-12-31	2021-12-31
Mil.	\$	\$	\$	\$	\$
Revenue	5,058	3,353	3,804	6,413	3,547
EBITDA	1,829	1,355	1,719	3,025	1,361
Funds from operations (FFO)	1,495	1,115	1,447	2,509	1,815
Interest	431	180	295	519	333
Cash interest paid	352	222	252	331	292
Operating cash flow (OCF)	982	900	951	2,088	1,604
Capital expenditure	3,666	2,049	1,472	1,738	1,899
Free operating cash flow (FOCF)	(2,683)	(1,150)	(521)	350	(295)

Entergy Louisiana, LLC--Peer Comparisons

Discretionary cash flow (DCF)	(2,743)	(1,175)	(919)	(626)	(295)
Cash and short-term investments	19	0	9	1,060	232
Gross available cash	19	248	9	1,060	232
Debt	11,390	5,723	6,787	9,190	7,547
Equity	8,181	5,871	6,750	10,859	8,960
EBITDA margin (%)	36.2	40.4	45.2	47.2	38.4
Return on capital (%)	7.1	5.9	7.2	10.2	3.2
EBITDA interest coverage (x)	4.2	7.5	5.8	5.8	4.1
FFO cash interest coverage (x)	5.2	6.0	6.7	8.6	7.2
Debt/EBITDA (x)	6.2	4.2	3.9	3.0	5.5
FFO/debt (%)	13.1	19.5	21.3	27.3	24.1
OCF/debt (%)	8.6	15.7	14.0	22.7	21.3
FOCF/debt (%)	(23.6)	(20.1)	(7.7)	3.8	(3.9)
DCF/debt (%)	(24.1)	(20.5)	(13.5)	(6.8)	(3.9)

Business Risk

Our assessment of ELL's business risk profile reflects its lower-risk, fully rate-regulated utility business that provides an essential service in its service territory. Given material barriers to entry, ELL and the regulated utility industry as a whole effectively operate insulated from competitive market challenges. This underlines our view of regulated utilities' very low industry risk compared to other industries.

ELL benefits from a constructive regulatory framework by the LPSC, where it operates under an FRP, providing stability to its cash flows and enabling it to generally earn close to its allowed return on equity. ELL's business risk profile also benefits from various riders, including capacity, transmission, fuel, and gas infrastructure. Overall, we expect the ELL will continue to effectively manage regulatory risk, focusing on further reducing its regulatory lag.

However, we view ELL at the lower end of the excellent business risk profile category compared with peers, given the propensity and severity of storm activity within ELL's service territory along the Gulf Coast and the limited ability of the utility to protect against severe storms. While we view securitization as a good backstop for storm restoration costs, securitization takes time to receive the ultimate funds and takes up headroom in the customer bill, potentially increasing the risk of the company consistently managing regulatory risk. We believe that for ELL to reduce its credit risk exposure to severe storms, it is important for the company to have a more resilient infrastructure that withstands severe storms, reducing the rate of recovery of pass-through costs to customers. Parent, Entergy Corp, intends to spend about \$4 billion in accelerated resiliency spending within the next five years and about \$15 billion over the next ten years, which we assess as supportive of the company's long-term credit quality.

ELL is a mid-sized utility serving roughly 1.2 million electric and gas customers in Louisiana, accounting for about 40% of parent Entergy's total adjusted operating income. Most of ELL's operations are the electric utility; its customer base comprises approximately 90% electric and 10% gas customers. About 50% of ELL's operating revenues are from residential and commercial customers, providing a measure of cash flow stability, this is partially offset by about 50% of operating revenues coming from industrial customers, which could expose the company to cash flow volatility, especially in an economic downturn.

The company owns around 10,700 megawatts (MW) of generating capacity, only about 30% of which is from nuclear and coal generation. We believe nuclear generation has a higher operating risk than other forms of power generation, and we believe coal generation potentially has greater environmental risk.

Financial Risk

Over the next three years, we expect ELL's elevated capital spending to average roughly \$1.6 billion through 2024, driving its financial performance. We expect that the company's regulatory construct will provide periodic annual rate increases as its rate base grows, and we forecast operating cash flow will fund about 50%-70% of total funding needs. We anticipate the shortfall will be funded with a combination of debt and capital contributions from parent Entergy. Furthermore, we expect ELL's financial measures will remain at the lower end of the range for its financial risk profile category, primarily reflecting the company's robust capital spending. We anticipate securitization proceeds to provide relief starting in 2023.

Our base case includes adjusted FFO to debt in the 14%-17% range through 2024 and is predicated on the company's robust capital spending program, 2023 securitization proceeds of about \$1.6 billion, annual dividends of about \$200 million, and annual FRP increases. In addition, we forecast the company's ability to cover annual cash interest payments based on FFO, bolstering our assessment of ELL's financial risk, with coverage averaging 5x-6x per year through 2024. Finally, we forecast leverage, as indicated by adjusted debt to EBITDA, to be elevated in the 5.5x-6x range through 2024.

We assess ELL's financial risk profile using our medial volatility financial benchmarks, reflecting the company's steady cash flow and rate-regulated utility operations. These benchmarks are more relaxed than the benchmarks we use for typical corporate issuers.

Debt maturities

- 2022 - \$200 million
- 2023 - \$1.445 billion
- 2024 - \$1.782 billion
- 2025 - \$300 million
- 2026 - \$775 million
- Thereafter - \$6.412 billion

Entergy Louisiana, LLC--Financial Summary

Period ending	Dec-31-2016	Dec-31-2017	Dec-31-2018	Dec-31-2019	Dec-31-2020	Dec-31-2021
Reporting period	2016a	2017a	2018a	2019a	2020a	2021a
Display currency (mil.)	\$	\$	\$	\$	\$	\$
Revenues	4,154	4,277	4,273	4,262	4,047	5,058
EBITDA	1,518	1,752	1,410	1,646	1,723	1,829
Funds from operations (FFO)	1,008	1,677	1,191	1,294	1,396	1,495
Interest expense	343	349	364	383	411	431
Cash interest paid	354	309	324	337	341	352
Operating cash flow (OCF)	987	1,278	1,311	1,161	1,023	982
Capital expenditure	1,069	1,842	1,799	1,652	2,001	3,666
Free operating cash flow (FOCF)	(83)	(563)	(488)	(491)	(978)	(2,683)
Discretionary cash flow (DCF)	(368)	(655)	(616)	(699)	(999)	(2,743)
Cash and short-term investments	214	36	43	2	728	19
Gross available cash	214	36	43	2	728	19
Debt	6,290	6,927	7,425	7,971	8,998	11,390
Common equity	5,082	5,309	5,903	6,397	7,458	8,181

Entergy Louisiana, LLC--Financial Summary

Adjusted ratios

EBITDA margin (%)	36.6	40.9	33.0	38.6	42.6	36.2
Return on capital (%)	9.9	11.3	9.0	8.5	7.3	7.1
EBITDA interest coverage (x)	4.4	5.0	3.9	4.3	4.2	4.2
FFO cash interest coverage (x)	3.8	6.4	4.7	4.8	5.1	5.2
Debt/EBITDA (x)	4.1	4.0	5.3	4.8	5.2	6.2
FFO/debt (%)	16.0	24.2	16.0	16.2	15.5	13.1
OCF/debt (%)	15.7	18.5	17.7	14.6	11.4	8.6
FOCF/debt (%)	(1.3)	(8.1)	(6.6)	(6.2)	(10.9)	(23.6)
DCF/debt (%)	(5.9)	(9.5)	(8.3)	(8.8)	(11.1)	(24.1)

Reconciliation Of Entergy Louisiana, LLC Reported Amounts With S&P Global Adjusted Amounts (Mil. \$)

Financial year	Debt	Shareholder Equity	Revenue	EBITDA	Operating Income	Interest expense	S&PGR adjusted EBITDA	Operating cash flow	Dividends	Capital expenditure
Dec-31-2021										
Company reported amounts	10,914	8,181	5,068	1,651	927	337	1,829	1,053	60	3,679
Cash taxes paid	-	-	-	-	-	-	18	-	-	-
Cash interest paid	-	-	-	-	-	-	(338)	-	-	-
Lease liabilities	65	-	-	-	-	-	-	-	-	-
Operating leases	-	-	-	14	1	1	(1)	13	-	-
Postretirement benefit obligations/deferred compensation	429	-	-	-	-	-	-	-	-	-
Accessible cash and liquid investments	(19)	-	-	-	-	-	-	-	-	-
Capitalized interest	-	-	-	-	-	13	(13)	(13)	-	(13)
Securitized stranded costs	-	-	(10)	(10)	-	-	-	(10)	-	-
Asset-retirement obligations	-	-	-	80	80	80	-	-	-	-
Nonoperating income (expense)	-	-	-	-	263	-	-	-	-	-

Reconciliation Of Entergy Louisiana, LLC Reported Amounts With S&P Global Adjusted Amounts (Mil. \$)

	Debt	Shareholder Equity	Revenue	EBITDA	Operating Income	Interest expense	S&PGR adjusted EBITDA	Operating cash flow	Dividends	Capital expenditure
U.S. decommissioning fund contributions	-	-	-	-	-	-	-	(60)	-	-
EBITDA: other income/ (expense)	-	-	-	94	94	-	-	-	-	-
D&A: other	-	-	-	-	(94)	-	-	-	-	-
Total adjustments	476	-	(10)	178	344	94	(334)	(70)	-	(13)
S&P Global Ratings adjusted	Debt	Equity	Revenue	EBITDA	EBIT	Interest expense	Funds from Operations	Operating cash flow	Dividends	Capital expenditure
	11,390	8,181	5,058	1,829	1,271	431	1,495	982	60	3,666

Liquidity

We assess the company's stand-alone liquidity as adequate because we believe its liquidity sources will likely cover uses by more than 1.1x over the next 12 months and meet cash outflows even if EBITDA declines 10%. The assessment also reflects the company's generally prudent risk management, sound relationship with banks, and a generally satisfactory standing in credit markets.

Principal liquidity sources

- Cash and liquid investments of about \$150 million as of March 2022;
- Total availability under the revolving credit facility of \$350 million as of March 2022;
- Estimated cash FFO of about \$1.6 billion; and
- May 2022 securitization proceeds of about \$3.1 billion.

Principal liquidity uses

- Debt maturities of about \$200 million;
- Working capital outflows of about \$200 million;
- Capital spending of about \$2.25 billion; and
- Dividends of about \$200 million.

Environmental, Social, And Governance

ESG Credit Indicators

E-1	E-2	E-3	E-4	E-5	S-1	S-2	S-3	S-4	S-5	G-1	G-2	G-3	G-4	G-5
- Physical risks							- Health and safety				- N/A			
- Waste and pollution														

N/A—Not applicable. ESG credit indicators provide additional disclosure and transparency at the entity level and reflect S&P Global Ratings' opinion of the influence that environmental, social, and governance factors have on our credit rating analysis. They are not a sustainability rating or an S&P Global Ratings ESG Evaluation. The extent of the influence of these factors is reflected on an alphanumeric 1-5 scale where 1 = positive, 2 = neutral, 3 = moderately negative, 4 = negative, and 5 = very negative. For more information, see our commentary "ESG Credit Indicator Definitions And Applications," published Oct. 13, 2021.

Environmental factors are a negative consideration in our credit rating analysis of ELL because the geographical position of the utility is exposed to extreme weather conditions. Consequently, hurricanes like Hurricane Ida negatively affect the company's transmission and distribution infrastructure and therefore impact the company's cash flow leverage via high restoration costs. Social factors are a moderately negative consideration in our credit rating analysis based on the nuclear generation's health and safety risks.

Group Influence

Under our group rating methodology, we assess ELL to be an insulated subsidiary of Entergy, reflecting our view that ELL is a stand-alone legal entity that functions independently, financially, and operationally, files its rate cases, and is independently regulated by its state commission. ELL has its own books and records, including financials. ELL also has its own funding arrangements, including issuing its own long-term debt and having separate committed credit facilities to cover short-term funding needs. The company does not commingle funds, assets, or cash flows, as demonstrated by parent Entergy's inability to borrow from the Entergy money pool; however, Entergy can lend to the pool. Based on the insulating measures in place, we could potentially rate ELL up to one notch higher than its group credit profile (GCP). Currently, we rate ELL's issuer credit rating the same as the 'bbb+' GCP because ELL's stand-alone credit profile is also at 'bbb+'.

We assess ELL as a core subsidiary of parent Entergy. This reflects our view that ELL represents a significant portion of Entergy's operating revenues, which are used to pay shareholder dividends, thus providing strong economic incentives to Entergy to preserve ELL's credit strength, and we do not expect a default by either Entergy or another entity within the group would lead to a default of the utility.

Issue Ratings--Recovery Analysis

Key analytical factors

ELL's first mortgage bonds benefit from a first-priority lien on substantially all of the utility's real property owned or subsequently acquired. Collateral coverage of more than 1.5x supports a recovery rating of '1+' and an issue rating two notches above the issuer credit rating.

Rating Component Scores

Foreign currency issuer credit rating	BBB+/Stable/--
Local currency issuer credit rating	BBB+/Stable/--
Business risk	Excellent
Country risk	Very Low
Industry risk	Very Low
Competitive position	Strong
Financial risk	Significant
Cash flow/leverage	Significant
Anchor	a-
Diversification/portfolio effect	Neutral (no impact)
Capital structure	Neutral (no impact)
Financial policy	Neutral (no impact)
Liquidity	Adequate (no impact)
Management and governance	Satisfactory (no impact)
Comparable rating analysis	Negative (-1 notch)
Stand-alone credit profile	bbb+
Group Credit Profile	bbb+
Entity status within the group	Insulated (no impact)

Related Criteria

- General Criteria: Group Rating Methodology, July 1, 2019
- General Criteria: Hybrid Capital: Methodology And Assumptions, July 1, 2019
- Criteria | Corporates | General: Corporate Methodology: Ratios And Adjustments, April 1, 2019
- Criteria | Corporates | General: Reflecting Subordination Risk In Corporate Issue Ratings, March 28, 2018
- General Criteria: Methodology For Linking Long-Term And Short-Term Ratings, April 7, 2017
- Criteria | Corporates | General: Recovery Rating Criteria For Speculative-Grade Corporate Issuers, Dec. 7, 2016
- Criteria | Corporates | General: Methodology And Assumptions: Liquidity Descriptors For Global Corporate Issuers, Dec. 16, 2014
- General Criteria: Methodology: Industry Risk, Nov. 19, 2013
- General Criteria: Country Risk Assessment Methodology And Assumptions, Nov. 19, 2013
- Criteria | Corporates | Utilities: Key Credit Factors For The Regulated Utilities Industry, Nov. 19, 2013
- Criteria | Corporates | General: Corporate Methodology, Nov. 19, 2013
- Criteria | Corporates | Utilities: Collateral Coverage And Issue Notching Rules For '1+' And '1' Recovery Ratings On Senior Bonds Secured By Utility Real Property, Feb. 14, 2013
- General Criteria: Methodology: Management And Governance Credit Factors For Corporate Entities, Nov. 13, 2012
- General Criteria: Principles Of Credit Ratings, Feb. 16, 2011

Related Research

Ratings Detail (as of August 25, 2022)*

Entergy Louisiana LLC

Issuer Credit Rating BBB+/Stable/--
Senior Secured A

Issuer Credit Ratings History

02-Sep-2021 BBB+/Stable/--
14-Aug-2019 A-/Stable/--
03-May-2018 BBB+/Stable/--

Related Entities

Entergy Arkansas LLC

Issuer Credit Rating A-/Stable/--
Senior Secured A

Entergy Corp.

Issuer Credit Rating BBB+/Stable/A-2
Commercial Paper
Local Currency A-2
Senior Unsecured BBB

Entergy Mississippi LLC

Issuer Credit Rating A-/Stable/--
Senior Secured A

Entergy New Orleans LLC

Issuer Credit Rating BB/Developing/--
Senior Secured BBB

Entergy Texas Inc.

Issuer Credit Rating BBB+/Stable/--
Preferred Stock BBB-
Senior Secured A

System Energy Resources Inc.

Issuer Credit Rating BBB+/Stable/--
Senior Secured A

*Unless otherwise noted, all ratings in this report are global scale ratings. S&P Global Ratings credit ratings on the global scale are comparable across countries. S&P Global Ratings credit ratings on a national scale are relative to obligors or obligations within that specific country. Issue and debt ratings could include debt guaranteed by another entity, and rated debt that an entity guarantees.

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