#### UNITED STATES SECURITIES AND EXCHANGE COMMISSION

#### FORM 8-K

#### CURRENT REPORT

#### Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 January 10, 2022

Date of Report (Date of earliest event reported)

Commission File Number	Name of Registrant; State or Other Jurisdiction of Incorporation; Address of Principal Executive Offices; and Telephone Number	IRS Employer Identification Number
001-16169	EXELON CORPORATION	23-2990190
	(a Pennsylvania corporation) 10 South Dearborn Street P.O. Box 805379 Chicago, Illinois 60680-5379 (800) 483-3220	
001-41137	CONSTELLATION ENERGY CORPORATION (a Pennsylvania corporation) 1310 Point Street Baltimore, Maryland 21231 (800) 483-3220	87-1210716
333-85496	EXELON GENERATION COMPANY, LLC (a Pennsylvania limited liability company) 300 Exelon Way Kennett Square, Pennsylvania 19348-2473 (610) 765-5959	23-3064219

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered		
EXELON CORPORATION:				
Common Stock, without par value	EXC	The Nasdaq Stock Market LLC		
CONSTELLATION ENERGY CORPORATION:				
Common Stock, without par value	CEG	The Nasdaq Stock Market LLC		

Indicate by check mark whether any of the registrants are emerging growth companies as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter). Emerging growth company

If an emerging growth company, indicate by check mark if any of the registrants have elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

#### Section 7 - Regulation FD

#### Item 7.01. Regulation FD Disclosure.

As previously announced, Constellation Energy Corporation ("Constellation") will host a virtual investor and analyst event via webcast on January 11, 2022, to highlight Constellation's business strategies following the separation of Exelon Generation Company, LLC ("Generation") from Exelon Corporation ("Exelon"). A copy of the slide presentation for the event is furnished as Exhibit 99.1 to this report. Investors, analysts and media may access the webcast for the event and the presentation on Exelon's website at <a href="https://www.exeloncorp.com/investor-relations">www.exeloncorp.com/investor-relations</a>.

The event will begin with prepared remarks at 7:30 a.m. Central Time, 8:30 a.m. Eastern Time, followed by a Q&A session at 9:00 a.m. Central Time, 10:00 a.m. Eastern Time.

The information in this Current Report on Form 8-K, including Exhibit 99.1, shall not be deemed "filed" for the purposes of Section 18 of the Securities Exchange Act of 1934, as amended, or otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference in any filing under the Securities Act of 1933, as amended, except as shall be expressly set forth in such a filing.

#### Section 9 - Financial Statements and Exhibits Item 9.01. Financial Statements and Exhibits

(d) Exhibits

101

Exhibit No. Description

99.1 Slide Presentation

Cover Page Interactive Data File - the cover page XBRL tags are embedded within the Inline XBRL document.

104 The cover page from this Current Report on Form 8-K, formatted as Inline XBRL.

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This combined Current Report on Form 8-K is being furnished separately by Exelon, Constellation and Generation (Registrants). Information contained herein relating to any individual Registrant has been furnished by such Registrant on its own behalf. No Registrant makes any representation as to information relating to any other Registrant.

This Current Report contains certain forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995 that are subject to risks and uncertainties, including, among others, those related to the timing, manner, tax-free nature and expected benefits associated with the potential separation of Exelon's competitive power generation, and customer-facing energy business from its six regulated electric and gas utilities. Words such as "could," "many," "expects," "artipetates," "vill," "targets," "goals," "projects," "intends," plant-intends," plant-plant-intends, "plant-plant-intends," plant-plant-intends, plant-plant-intends, plant-plant-intends, plant-plant-intends, plant-plant-intends, plant-plant-intends, plant-plant-intended, plant-intended, plant-plant-intended, plant-intended, plant-intend

The factors that could cause actual results to differ materially from the forward-looking statements made by the Registrants include those factors discussed herein as well as the items discussed in (1) Exelon's and Generation's 2020 Annual Report on Form 10-K in (a) Part I, ITEM 1A. Risk Factors, (b) Part II, ITEM 7. Management's Discussion and Analysis of Financial Condition and Results of Operations, and (c) Part II, ITEM 8. Financial Statements and Supplementary Data: Note 19, Commitments and Contingencies; (2) Exelon's and Generation's Third Quarter 2021 Quarterly Report on Form 10-Q in (a) Part II, ITEM 1A. Risk Factors, (b) Part I, ITEM 2. Management's Discussion and Analysis of Financial Condition and Results of Operations, and (c) Part I, ITEM 1. Financial Statements: Note 15, Commitments and Contingencies; (3) Risk Factors in Constellation's Form 10 registration statement; and (4) other factors discussed in filings with the Securities and Exchange Commission by the Registrants.

Investors are cautioned not to place undue reliance on these forward-looking statements, whether written or oral, which apply only as of the date of this Current Report. None of the Registrants undertakes any obligation to publicly release any revision to its forward-looking statements to reflect events or circumstances after the date of this Current Report.

#### SIGNATURES

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

#### EXELON CORPORATION

Isl Joseph Nigro
Joseph Nigro
Senior Executive Vice President and Chief Financial Officer
Exelon Corporation

#### CONSTELLATION ENERGY CORPORATION

/s/ Joseph Nigro Joseph Nigro Chief Financial Officer Constellation Energy Corporation

#### EXELON GENERATION COMPANY, LLC

/s/ Daniel L. Eggers

Daniel L. Eggers

Chief Financial Officer

Exelon Generation Company, LLC

January 10, 2022

#### **EXHIBIT INDEX**

Exhibit No. 99.1 101 104

Description
Slide Presentation
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#### **Cautionary Statements Regarding Forward-Looking Information**

This presentation contains certain forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995 that are subject to risks and uncertainties including, among others, those related to the timing, manner, tax-free nature, and expected benefits associated with the potential separation of Exelon's competitive power generation and customer-facing energy business from its six regulated electric and gas utilities. Words such as "could," "may," "expects," "anticipates," "will," "targets," "goals," "projects," "intends," "plans," "believes," "seeks," "restimates," "restitaines, "restitaines," ariations on such words, and similar expressions that reflect our current views with respect to future events and operational, economic, and financial performance, are intended to identify such forward-looking statements.

The factors that could cause actual results to differ materially from the forward-looking statements made by Constellation Energy Corporation (Constellation) and Exelon Generation Company, LLC (Generation) (Registrants) include those factors discussed herein, as well as the items discussed in (1) Generation's 2020 Annual Report on Form 10-K in (a) Part I, ITEM 1A. Risk Factors, (b) Part II, ITEM 7. Management's Discussion and Analysis of Financial Condition and Results of Operations, and (c) Part II, ITEM 8. Financial Statements and Supplementary Data: Note 19, Commitments and Contingencies; (2) Generation's Third Quarter 2021 Quarterly Report on Form 10-Q in (a) Part II, ITEM 1A. Risk Factors, (b) Part I, ITEM 2. Management's Discussion and Analysis of Financial Condition and Results of Operations, and (c) Part I, ITEM 1. Financial Statements: Note 15. Commitments and Contingencies: (3) Constellation's Form 10 registration statement in Risk Factors; and (4) other factors discussed in filings with the SEC by the Registrants.

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#### Non-GAAP Financial Measures

Constellation reports its financial results in accordance with accounting principles generally accepted in the United States (GAAP). Constellation supplements the reporting of financial information determined in accordance with GAAP with certain non-GAAP financial measures, including:

- Adjusted EBITDA represents earnings before interest, taxes, depreciation and amortization, and excludes certain costs, expenses, gains and losses and other specified
  items, including mark-to-market adjustments from economic hedging activities, decommissioning related activity, asset impairments, certain amounts associated with
  plant retirements and divestitures, pension and OPEB non-service costs, separation related costs and other items as set forth in the Appendix
- Adjusted operating and maintenance expense excludes direct cost of sales for certain Constellation and Power businesses, ARO accretion expense from unregulated units and decommissioning costs that do not affect profit and loss, the impact from operating and maintenance expense related to variable interest entities at Constellation, and other items as set forth in the reconciliation in the Appendix
- Total gross margin is defined as operating revenues less purchased power and fuel expense, excluding revenue related to decommissioning, gross receipts tax, JExel Nuclear JV, variable interest entities, and net of direct cost of sales for certain Constellation and Power businesses
- Adjusted cash flows from operations primarily includes net cash flows from operating activities and Collection of Deferred Purchase Price (DPP) related to the revolving accounts receivable arrangement, which is presented in cash flows from investing activities for GAAP
- Free cash flows before growth (FCFbg) is Adjusted cash flows from operations less capital expenditures for maintenance and nuclear fuel, non-recurring capital expenditures related to separation and ERP system implementation, changes in collateral, net merger and acquisitions, and equity investments and other items as forth in Appendix
- Adjusted operating revenues exclude the Mark-to-Market impact of economic hedging activities due to the volatility and unpredictability of the future changes in commodity prices
- Adjusted purchased power and fuel excludes the Mark-to-Market impact of economic hedging activities due to the volatility and unpredictability of the future changes in commodity prices

Due to the forward-looking nature of some forecasted non-GAAP measures, information to reconcile the forecasted adjusted (non-GAAP) measures to the most directly comparable GAAP measure may not be currently available, as management is unable to project all of these items for future periods



#### **Non-GAAP Financial Measures Continued**

This information is intended to enhance an investor's overall understanding of period over period financial results and provide an indication of Constellation's baseline operating performance by excluding items that are considered by management to be not directly related to the ongoing operations of the business. In addition, this information is among the primary indicators management uses as a basis for evaluating performance, allocating resources, setting incentive compensation targets and planning and forecasting of future periods.

These non-GAAP financial measures are not a presentation defined under GAAP and may not be comparable to other companies' presentations. Constellation has provided these non-GAAP financial measures as supplemental information and in addition to the financial measures that are calculated and presented in accordance with GAAP. These non-GAAP measures should not be deemed more useful than, a substitute for, or an alternative to the most comparable GAAP measures provided in the materials presented.

Non-GAAP financial measures are identified by the phrase "non-GAAP" or an asterisk (\*). Reconciliations of these non-GAAP measures to the most comparable GAAP measures are provided in the appendices and attachments to this presentation, except for the reconciliation for total gross margin, which appears on slide 98 of this presentation.





### **Constellation: America's Leading Clean Energy Company**



# Carbon-Free Generation Fleet:

- #1 provider of carbon-free 24/7 energy in the United States
- Lowest carbon emissions and carbon intensity generator in the United States
- 32,400 MWs of total generating capacity
- -78 million metric tonnes of carbon avoided through our fleet
- 94.3% capacity factor at nuclear
- Ability to extend fleet to 80 years providing 24/7 carbon-free power through 2050 and beyond



# Industry Leading Customer Business:

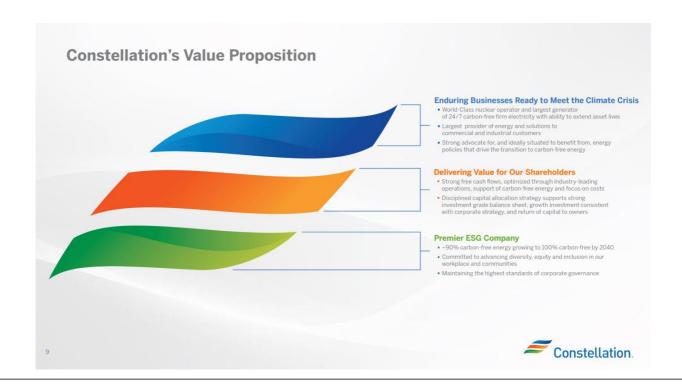
- #1 in market share for C&I customers
- #2 retail electricity provider
- #3 in market share for mass market customers
- Top 10 natural gas provider in the U.S
- Serve ¾ of the Fortune 100
- 2 million total customers
- 215 TWhs of load served
- Operate in 48 states and the District of Columbia



# Supporting our Communities:

- Expected to be a Fortune 200 company, based on \$17.6 billion in operating revenues in 2020
- Approximately 13,000 employees nationwide
- Investing in local communities through \$207 million in local property taxes and \$87 million in state payroll taxes
- Employees volunteered nearly 53,000 hours in 2020
- Increasingly diverse workforce, with strong diverse hiring and promotion rates and community workforce development partnerships





#### **U.S.** is Rapidly Decarbonizing









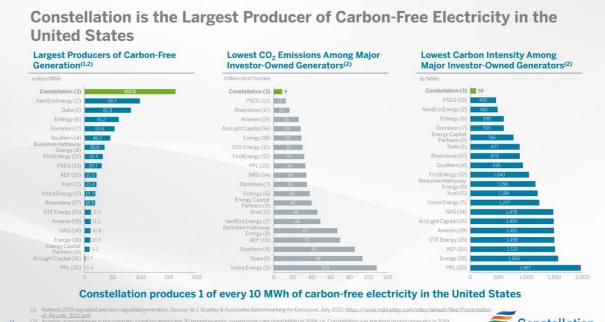








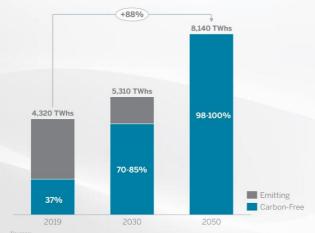




Constellation.

#### Positioned for Long-Term Success - Demand for Carbon-Free Electricity and Byproducts

Electricity Demand Will Nearly Double and Carbon-Free Electricity Will Expand Five-fold to Meet Net Zero by 2050



- Electricity must grow to ~50% of energy used in industry, transport and buildings to meet net zero by 2050 up from 19% today
- By 2050, electricity is a predominant transportation
- Fossil fuels in the primary energy mix decline by 62% to 100% from 2020 to 2050 across scenarios. Oil and gas decline 56% to 100%.
- Up to 17% of light-duty vehicles will be electric in 2030 and 61-96% in 2050
- 16-23% of homes will be heated with electric heat pumps in 2030 and 54-80% in 2050
- 70-90% of commercial building energy use will be electric by 2050

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Constellation.



# Firm Nuclear Power Plays a Unique Role in the Fight Against the Climate Crisis



#### Firm Carbon-Free

Nuclear power provides firm carbonfree electricity while displacing fossil fuels in applications requiring a continuous power supply



#### Resilient

Nuclear power has onsite fuel for 18-24 months, providing resilient and reliable power every season, no matter the weather



#### Variable Renewables

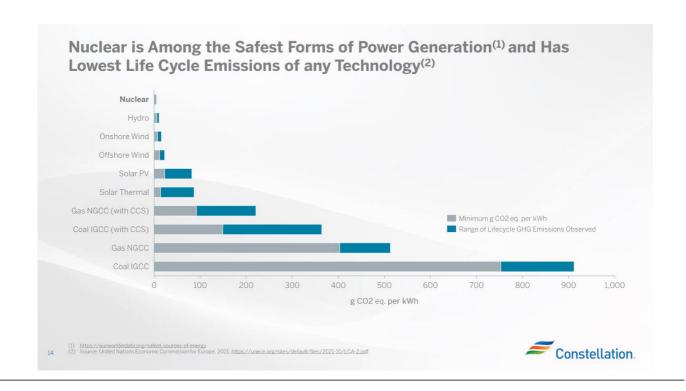
Nuclear power can support higher deployment of variable wind and solar generation without the need for backup capacity from fossil fuel generation

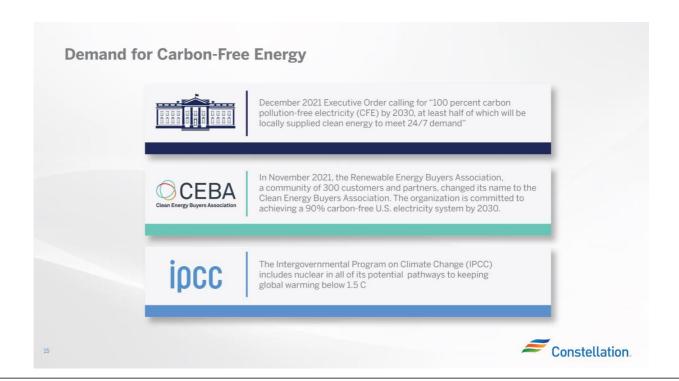


#### **License Renewals**

Second license renewals will extend carbon-free production to 80years – more than 3 times the useful life of renewables and 2 times the useful life of coal







# Constellation's Pathway to Flexible Clean Energy Centers AFTER Power to X H2, e-methanol, e-ammonia Advanced Nuclear Dispatch Clean Energy Center Direct Air Capture Capt

# Constellation's Customer Platform Provides Tools to Help Communities, Families and Businesses Meet Their Sustainability and Carbon Reduction Targets



#### **Carbon Footprint**

Measures customers' carbon footprint across all locations to develop a plan to lower emissions factors



#### Carbon-Free Power

Reduce emissions with renewable energy certificates (RECs) from solar or wind generation and emission-free energy credits (EFECs) from nuclear power



#### Carbon Reduction

Reduce Greenhouse emissions through Renewable Natural Gas (RNG), Carbon offsets and Renewable Identification Number (RINs)



#### Renewable On-site

Install renewable energy generation on-site to reduce energy costs and carbon emissions



#### Renewable Projects

off-site renewable energy and REC products for customers help them meet their clean energy goals



#### **Energy Efficiency**

Building automation, lighting improvements, electrification solutions, and water conservation



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#### **Growth Opportunities Can Deliver Value for Our Shareholders**

We may pursue growth opportunities that provide additional value building on our core businesses or expanding our competitive advantages

- Opportunistic carbon-free energy acquisitions, particularly nuclear plants with supportive policy
- · Create new value from the existing fleet through repowering, co-location and other opportunities
- **Grow sustainability products and services** for our customers focused on clean energy, efficiency, storage and electrification; help our C&I customers develop and meet sustainability targets
- Produce clean hydrogen using our carbon-free fleet
- Engagement with the technology and innovation ecosystem **through continued partnerships** with national labs, universities, startups, and research institutions
- Explore advanced nuclear technology for investment and participation via advisory services to maintain our leadership position as stewards of a carbon-free energy future

Constellation.



# **Constellation's Industry Leading Climate Commitment**



100% Carbon-free owned generation by **2040** 



100% reduction in operationa emissions by **2040**<sup>(1)</sup>



100% of C&I customers provided with specific information about their GHG impact

(1) Any emissions that cannot be technologically reduced by that time will be offset; includes all GHGs except methane which is addressed in separate methane reduction go



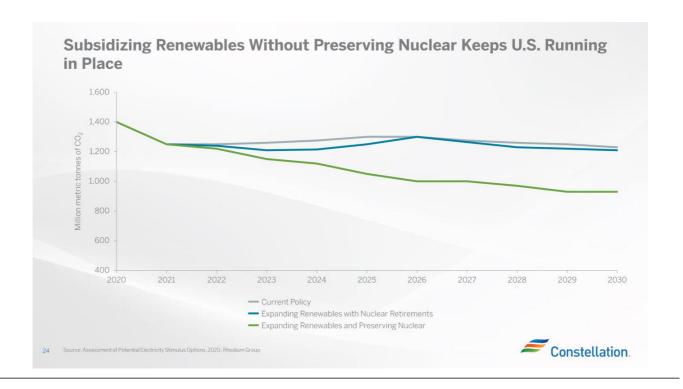
#### Our Unique Businesses Give Us a Durable, Competitive Advantage

Constellation is the **largest producer of carbon-free electricity** in the United States – **nearly two times more** than the next producer. Our plants provide firm, resilient, reliable, 24/7 power no matter the weather with 18-24 months of fuel on site. **Two-thirds of our output** is compensated for its carbon-free attributes, and we see **bipartisan policy support** for continued operation of these assets, which are essential to addressing the climate crisis. With continued supportive policy, we can **extend the licenses of our plants to 80 years** meaning they can provide reliable energy beyond 2050 while the U.S. rapidly scales up new renewable generation. Given their access to land, transmission and transportation, our plants can **serve as flexible carbon-free generation centers where other clean energy production like hydrogen** and behind the meter solutions for customers can help balance the grid. All of this is possible through **our high-performing**, **specialized workforce** and our **world-class management model** that drives industry leading operational performance.

Our commercial business delivers nearly **1 in 4 MWhs of electricity** to competitive C&I customers in the U.S. – including **3/4 of the Fortune 100**. Our strong, long-standing relationships with our customers average 6 years, putting us in the **best position to meet the growing demand for customer-driven carbon-free energy** and products that allow our customers to meet their own carbon reduction goals.







#### **Experts and Policy Makers Agree; Nuclear is Critical to Decarbonization**

For the first time since 1972, the Democratic platform in 2020 supported nuclear power. Democrats support "technology-neutral" approach that includes "all zero-carbon technologies, including hydroelectric power, geo

"Without the nuclear retention incentive, electric power sector emissions would be 23-38% higher, up to 188 million metric tons more in 2031" Rhodium Group, March 2021

"If we want to stave off the worst impacts of the climate crisis, then we must ensure the nuclear fleet remains safe and economical, and that we manage it responsibly" Senator Dick Durbin (D-IL) November 2021

October 2021 NYSERDA Study: If New York plants are not relicensed to 80 year and the plants retire at the end of the current licenses, New York consumers would pay an additional \$1,0 billion to reach New York's climate goals.

In 2021, 60% of Democrats report support for nuclear energy, compared to 37% in 2018 **EcoAmerica Nov. 2021 poll** 

"Without action to provide more support for nuclear power, global efforts to transition to a cleaner energy system will become drastically harder and more costly" IEA, May 2019

"As a zero-emissions baseload fuel source. I believe that maintaining our fleet and preventing closures of existing nuclear plants is critical to achieving emission reduction goals and ensuring a reliable grid." Senator Joe Manchin (D-W.Va.) April 2021

Decarbonizing energy is a significant undertaking that requires the use of all available low-carbon technologies. Analyses indicated that world's climates objectives will not be met if nuclear technologies are excluded.

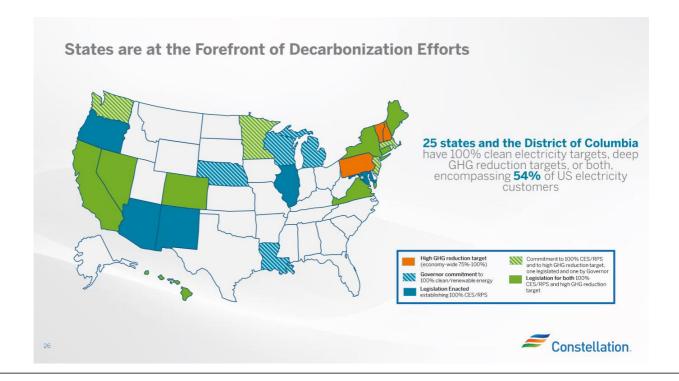
"In many areas continuation of the existing nuclear, as long as it's environmentally sound and it's permitted, is going to be absolutely essential" White House Climate Advisor, Gina McCarthy May 2021

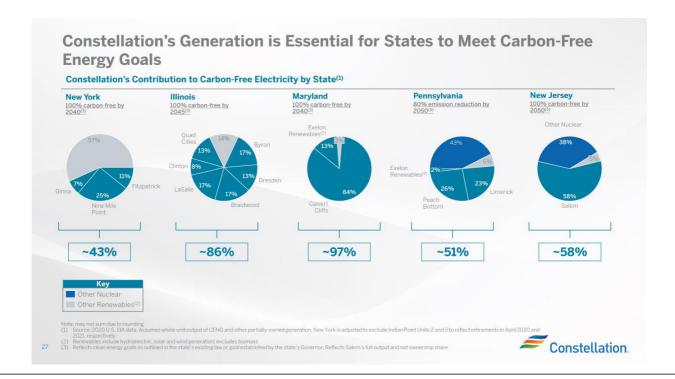
"Retiring all nuclear plants at the end of their current licenses significantly raises the price of achieving 80% carbon reductions" **E3, October 2020** 

"We are not going to be able to achieve our climate goals if nuclear power plants shut down. We have to find ways to keep them operating," Energy Secretary Jennifer Granholm June 2021

"We support across the board policies that would give new nuclear plants the opportunity to compete in a marketplace against wind and solar and other forms of decarbonized energy." Ken Kimmell, President of the Union of Concerned Scientists June 2020







# **Carbon-Free Programs Support Our Fleet**

Jurisdiction	Targets	Support Mechanism	Current Term	Station	Units	Capacity (MW)
Illinois 100% Carbon-Free by 2045		смс	Jun '22 – May '27	Braidwood	2	2,386
				Byron	2	2,347
	100% Carbon-Free by 2045			Dresden	2	1,845
	ZEC	Jun '17 – May '27	Clinton	1	1,080	
			Quad Cities	2	1,403	
New York 100% Clean Energy Standard by 2 Reduced GHG 85% by 2050			ZEC Apr 17 – Mar 29	Fitzpatrick	1	842
		ZEC		Ginna	1	576
	Reduced GHG 85% by 2050			Nine Mile Point	2	1676
New Jersey	100% Clean Energy Standard and 80% reduced GHG by 2050	ZEC	Jun '22 – May '25	Salem	2	995
						13,150

Federal 50-52% reduction by 2030	PTC (proposed)     Executive Order requiring 24/7 carbon-free energy	<ul> <li>Jan '22 – Dec '27 (PTC)</li> <li>100% carbon-free by 2030</li> </ul>	All	21	20,899
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Nearly two-thirds of Constellation's nuclear capacity is supported by state carbon-free programs

(1) Reflects partially-owned units at ownership (Quad Cities is owned at 75% and Salem at 42.59%)



#### **Constellation's Nuclear Fleet Supports Our Communities**





# Constellation's nuclear plants are economic engines that inject nearly \$1.6 billion directly into their state and local economies each year.

- Paid nearly \$207 million in local property taxes to fund school districts and other community priorities
   Paid nearly \$87 million in state payroll taxes

#### Constellation's nuclear plants provide good-paying jobs in the states where we operate, including:

- ➤ Employing 10,200 full-time workers including 3,200 with unions

- Employing 9,000 temporary workers annually during refueling and maintenance outages
   Paid nearly \$1.3 billion in payroll with average plant payroll of ~\$107 million
   Creating thousands of ancillary jobs in other business sectors through payroll spending, purchases and contracting activity

#### Constellation employees volunteer, lead tours and provide STEM opportunities.

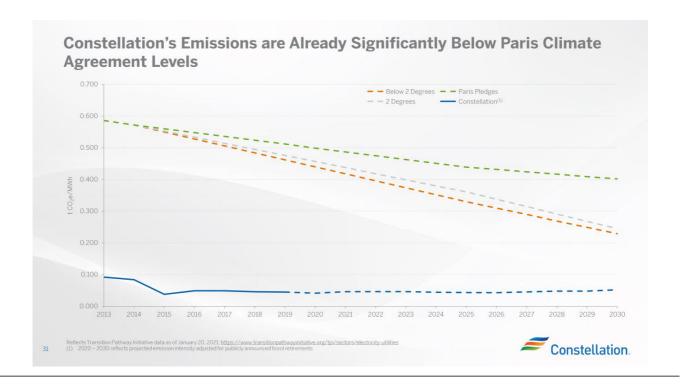
- ➤ Contributed more than \$3.7 million to charities that support their communities ➤ Volunteered nearly 53,000 hours for local non-profit organizations in 2020

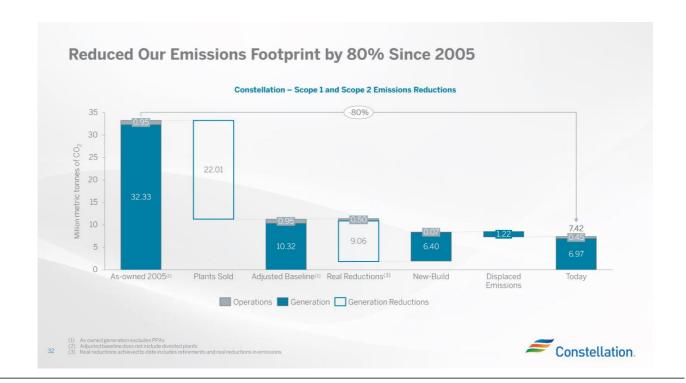
#### The Constellation nuclear workforce is 29% diverse and continues to drive toward more representation.

- Increasing external diverse hiring and promotion rates
   Partnering with local community colleges
   Collaborating with labor on apprentice diversity









## **Constellation's Climate Commitment**

100%

Reduction of our operations-

100%

100%

r owned generation will be Reduction of our ope on-free by 2040 driven emissions by 2 Of C&I customers provided with specific information about how to meet GHG reduction goals

## ✓ Clean Energy Supply:

- Clean Electricity Supply: We commit that our owned generation supply will be 100% carbon-free by 2040; with an interim goal of 95% carbon-free by 2030 subject to policy support and technology advancements.
- Operational Emissions Reduction Goal: We aspire to reduce operations driven emissions by 100% by 2040 subject to technology and policy advancement
  - Interim target to reduce carbon emissions by 65% from 2020 levels by 2030 (through 100% 24/7 clean electric use at our owned facilities by 2030 and 100% electrification of our vehicle fleet) and reduce methane emissions 30% from 2020 by 2030.
  - Constellation commits to reducing methane emissions 30% from 2020 by 2030, aligned with the Administration's global methane pledge
- Supply Chain Engagement: Partner with our key energy suppliers on their GHG emissions and climate adaptation strategies

#### ✓ Clean Customer Transformation:

- Commit to providing 100% of C&I customers with customer-specific information on their GHG impact for facilities contracting for power and gas supply from Constellation including mitigation opportunities that include 24/7 clean electric use
- Commit to support reductions in customers' gas emissions and a transition to low carbon fuels

## √ Technology Enablement and Commercialization:

- Commit to enable the future technologies and business models needed to drive the clean energy economy to improve the health and welfare
  of communities through venture investing and R&D. We will target 25% of these investments to minority and women led businesses and will
  require investment recipients to disclose how they engage in equitable employment and contracting practices, using performance as a factor when
  considering investments
- (1) Any emissions that cannot be technologically reduced by that time will be offset; includes all GHGs except methane which is addressed in separate methane reduction go



## Diversity, Equity and Inclusion is a Core Value at Constellation

## We center our DE&I strategy around three primary values:

Integrating diversity, equity and inclusion as a business imperative, core value and moral obligation

Attracting, retaining and advancing employees who will best serve and represent our customers, partners and communities Providing a workplace that ensures mutual respect and where each individual has the opportunity to grow and contribute at their greatest potential

#### We commit to:

Disclosing our **EEO1 data** 

Strengthen diversity recruiting, hiring, retention, development and promotion

Conduct annual analysis through an independent third party on **gender and** racial pay equity

Quarterly CEO review of DE&I dashboard for each business holds leaders accountable for their actions and progress

**Maintain, grow, and continue to invest** in programs and partnerships to improve pipeline, support recruiting and retention

Continue workforce development and internship and scholarship programs and support of 10 employee resource groups with multiple chapters



# **Constellation is Committed to Safe Operations and Environmental Performance**



## **Best Safety Records in the Industry**

- Nuclear plants have lowest recordable injury rates of any form of electricity
- INPO evaluates plant and industry safety and reliability
  - Continuous improvement over life of fleet with current performance at highest industry levels
- NRC performance oversight
  - All nuclear generating units operated by Constellation are in the highest performance group



## **Strong Safety Culture**

- Multiple levels of oversight to ensure continued safety including Safety Peer Group and executive-level Safety Council
- Comprehensive Safety Management Systems (SMS) and targeted initiatives for high-risk areas
- Regular and rigorous training at each of our 12 operated sites, 3 centralized training facilities, and fire academy
- NRC licenses and INPO Instructor Certification Program



#### **Environmental Performance**

- Focus on full compliance with legal requirements utilizing our Environmental Management System (EMS)
- Lowest NO<sub>X</sub>, SO<sub>2</sub> and CO<sub>2</sub> among large power producers
- Wildlife Habitat Council Certifications at 16
  locations
- 100% of spent nuclear fuel is packaged, numbered, catalogued, tracked and isolated from the environment



## **Constellation's Board of Directors**



#### **Board Structure**



Constellation will build on Exelon's strong corporate governance practices, which includes:

- Board independence, diversity, skills and expertise
- Executive compensation independently reviewed, reflects pay for performance alignment

  Engaged oversight in strategic business planning
  Commitment to diversity, equity and inclusion

90% Independent

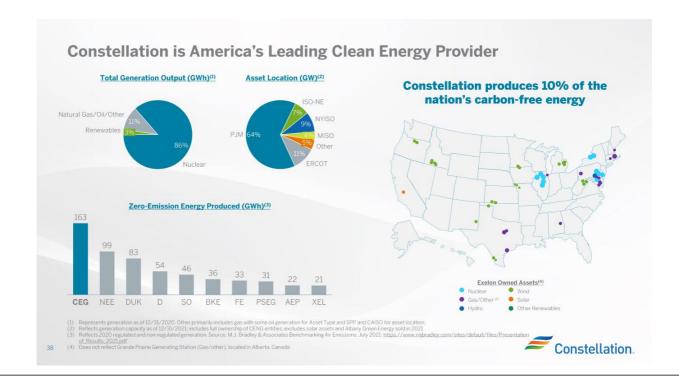
40% Diverse

30% Female (3 of 10)

20% Racially Diverse







# **Best-in-Class Nuclear Operations Resulting in More Carbon-Free Energy** Nuclear Capacity Factor (%) (1,2,3) Average Nuclear Refueling Outage Days (3,5) 21 Nuclear Composite Operational Excellence (6) (Total of Rankings of 14 Indicators) Average Cost (\$/MWh) (7)

espectively.

under operation is defined as one entity responsible for the operation of at least two sites and comprising of at least four units
ng outage values are not ownership adjusted
size of perational feed in the consisting of 14 indicators in Production, Cost, and Safety, Value represents the percentage of the



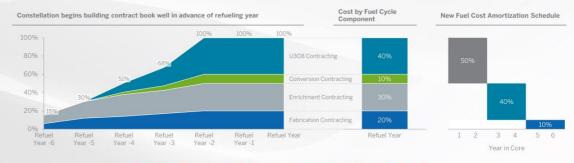
## **Nuclear Fuel Hedging Strategy Leads to Cost Stability**

## **Operational Risk Management**

- Hedge well in advance to secure supply and avoid near-term costs variability
- Promote supplier diversity and competition while managing levels of concentrated risk to our partners
- Appropriately size inventory holdings and forward contractual requirements to protect against supply disruptions and price shocks while allowing capital flexibility

## Financial Risk Management

- Structure forward contracts to control price risk
- Establish metrics to measure and forecast cost variability
- Allow flexibility to pursue market opportunities and cost optimization
- Negotiate ceiling prices in market-related contracts and caps on references to inflation indexes
- Amortize fuel cost over the time the fuel is in the core



Nuclear fuel is ~20% of operating costs and uranium is 40% of fuel costs

Constellation.

## **Constellation has a History of Improving Operations**



(2) Pre-integration statistics reflect years 2012 – 2016 and Post-Integration reflect years 2017 – 2020; certain years selected for capacity factor and refueling outages for comparison purpos (3) Total Generating Cost (\$/MWh) is Fuel Expense. Capital and Total Operating & Maintenance Cost divided by generation output. The numbers represented are what was submitted to the Electric Utility Cost Group (FUCG) as part of an annual reporting recess for member utilities.



# **Best-in-Class Operations Provide Substantial Environmental and Economic Benefits**

4% Capacity Factor Above Industry Average<sup>(1)</sup>

X

Constellation Capacity (21 GW)<sup>(2)</sup>

...over 7.3 million MWh additional carbon-free energy generated

...almost **5.2 million mtCO<sub>2</sub> avoided,** which is equivalent to removing **1.1 million cars** off the road<sup>(3)</sup>

...the equivalent of 2.4 GW of wind

...the equivalent of 3.5 GW of solar panels

 $\dots$  Over \$275M in additional carbon-free energy  $\mathsf{generated}^{(4)}$ 

...\$435M in savings related to the cost to purchase the same amount of carbon-free energy from renewables<sup>(4,5)</sup>

(1) Industry average represents major operators excluding Exelor

(z) Assumes total output generated from plants and not ownership

(3) Measured using the EPA Greenhouse Gas Emissions calculator https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculate

(4) Measured using NY Zone A reference price of \$37.83/MWh as of November 30, 2021

Savings include additional \$22/MWh REC price from most recent NYSERDA procurements <a href="https://www.nyserda.ny.gov/All-Programs/Clean-Energy-Standard/LSE-Obligations/2Ccompliance-Year-">https://www.nyserda.ny.gov/All-Programs/Clean-Energy-Standard/LSE-Obligations/2Ccompliance-Year</a>



# **Committed to Reaching Carbon-Free Energy Goals by Seeking to Extend Licenses of our Nuclear Fleet**

#### License Extensions

- Constellation plans to file applications to extend the licenses of our nuclear fleet to 80 years assuming policy support
- The NRC approved the extension of Peach Bottom in March 2020, becoming the 2<sup>nd</sup> nuclear reactor to receive approval to operate 80 years
- The process took approximately four years, from announcement in 2016, to application submission in 2018, to approval in 2020

#### **Anticipated Project Start Dates**



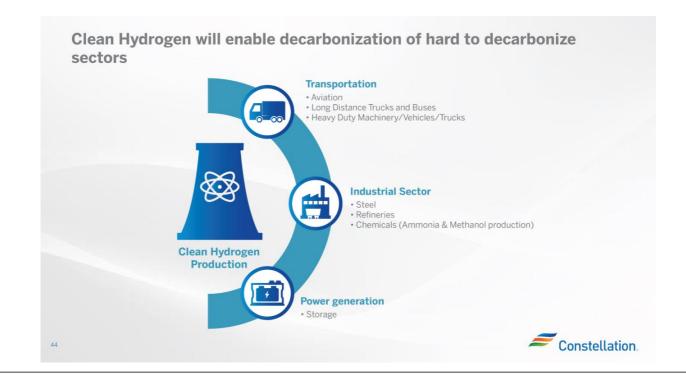
#### **Nuclear Uprate Opportunities**

- Constellation will seek approval from the NRC to improve upon our best-in-class operations and increase the carbon-free output from our nuclear fleet
- Over the next 5 years, Constellation has an opportunity to add over 200 MW in capacity through measurement uncertainty recapture (MUR) power uprates and turbine upgrades





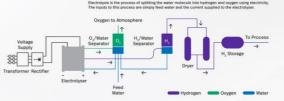
(1) Requires request and approval for exemption to submit Unit 2 together with Unit



## Nine Mile Point Hydrogen Pilot

- Constellation has been awarded a DOE grant in partnership with Nel Hydrogen and 3 national laboratories to demonstrate an integrated hydrogen production strategy
- Nine Mile Point was selected as the site to install a Proton Exchange Membrane (PEM) electrolyzer
- Budget Period 1 concluded in August 2021





#### Budget Period 1:

## **Budget Period 2**:

#### **Year 1** (April 2020 – March 2021)

- Site selection and 30% engineering design
- Engineering specification for electrolyzer
- Environmental review
- · Regulatory review
- Installation cost estimate and plan

## Year 2 (April 2021 - March 2022)

- 100% engineering design Complete manufacture, test of electrolyzer

## Year 3 (April 2022 - March 2023)

- Start of steady state operation of electrolyzer
- · Simulation of scale-up electrolyzer operation
- Demonstration of dynamic operation on site



# **Strong Performance from our Renewables and Power Fleet**

## 12 GW Capacity

...operating in 17 states and Canada

## 27 million MWh

...from 3 GW renewables, 8 GW gas units, 1 GW oil

## 8 million MWh

...of carbon-free energy produced from 3 GW hydro, wind and solar

## **LNG Terminal**

...with 3 BCF storage and 1 BCF/day vaporization capacity









(1) Power Dispatch Match is used to measure the responsiveness of a unit to the market, expressed as the actual energy gross margin relative to the total desired energy gross margin. Desired energy gross margin is measured by revenues less fuel costs and variable Q&M when unit is dispatched by Constellation or the RTO.

(2) Wind Energy Capture represents the actual energy produced by Wind Turbine Generators (WTGs) of a wind farm in the year, divided by the on-site measured total wind energy available.

(3) Solar Energy Capture represents the actual energy produced by the sum of the Generating System Modules of a solar plants, divided by the total expected energy to be produced by the sum of the same Generating System Modules.



# Up to 500 MWs of Wind Assets Available for Repowering

- Enabled repowering/refurbishment of up to ~500 MWs under the current IRS guidelines for 60% PTC
- IRR range between 10%-25% assuming 60% PTC
- First repowering expected to start in 2022



Advantages of Repowering	
Promotes the growth of Renewable platform	1
Contributes toward federal and state sustainability goals	1
Restarts the 10-year PTC clock	1
Extends useful life of assets	1
Adds MWhrs to grid	1
Leverages existing assets, reducing development risk and construction costs	1
Provides potential for longer term PPAs with counterparties	1
Significant upside under Build Back Better Plan	1
Attractive returns with CapEx costs at or below new build	1
Allows for a large % of cash flows to come from contracted sources (PTC, PPA)	1



# **Constellation's Texas Gas Plants have Significantly Lower Emissions than other ERCOT Plants**



- CO<sub>2</sub> emission rate was 23% lower than the ERCOT average<sup>(1,2)</sup>
- 1.348 million metric tonnes of CO<sub>2</sub> were avoided, or the equivalent of taking over 293,000 cars<sup>(3)</sup> off the road compared to the ERCOT grid average emission rate
- 1,870 fewer tons of NOx, 18,181 fewer tons of Particulate Matter (PM), and 2,612 tons fewer tons of SO<sub>2</sub> were emitted than the ERCOT grid average emission rate
- Constellation 's five-year behind-the-meter power supply transaction with Compute North to colocate its data center at one of our Texas plants provides additional margin while enhancing grid reliability by providing curtailable load to ERCOT without requiring new gas fired peakers to be built

(1) Based on 2020 Constellation average emission rate of 809 lb/MW compared to ERCOT average of 1,056 lb/MW (2) EPCOT 3720, 8 september 5 prices for 1,056 lb/MW (2) EPCOT 3720, 8 september 5





## Staying at the Forefront of Technology

## **Rolls Royce Agreement**

- Constellation invested in Rolls Royce SMR Ltd alongside the UK Government, Rolls Royce, BNF Capital and Qatar Investment Authority to build and operate small modular reactors in the UK and internationally
- Each SMR would provide 470 MW of carbon-free electricity
- Constellation will serve as a lead nuclear adviser during pre-operation period and then become the SMR operator in the UK
- As of November 2021, the UK Government has committed £210M (\$285M) to Rolls Royce to support advancement of phase 2, which includes further design development



## **Net Power, LLC**

- NET Power, LLC is a strategic venture between Constellation, 8 Rivers, McDermott, and Occidental Petroleum; Constellation owns ~31%
- The new technology uses a semi-closed loop cycle that inherently captures all CO<sub>2</sub> and uses it as working fluid; ~97% of CO<sub>2</sub> is recycled with the remaining ~3% of CO<sub>2</sub> pipeline-ready
- In November 2021, NET Power's demonstration plant in La Porte, TX was synchronized to the grid, marking the final step in proving this new innovative technology







## **Our Commercial Business: Who & What We Serve**



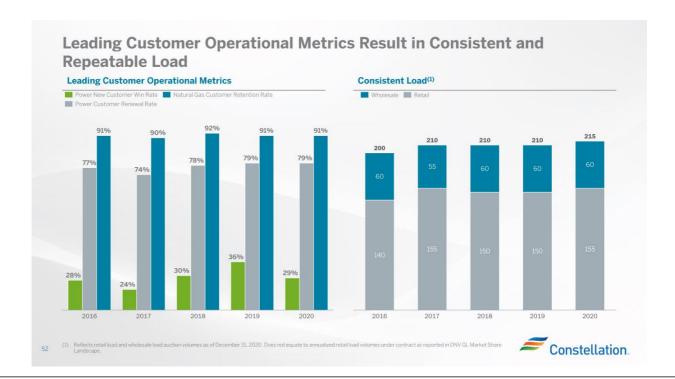


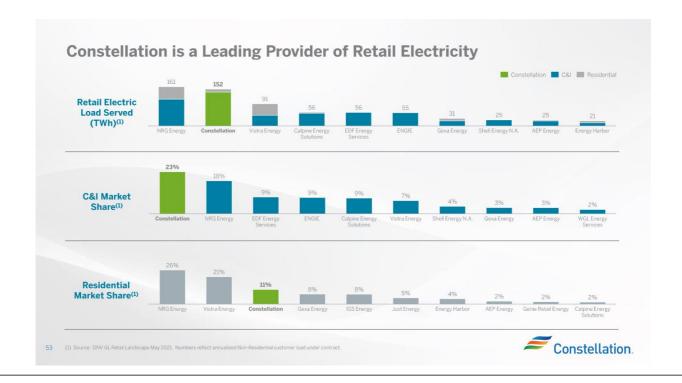




	Wholesale		C&I		Mass Markets	
Customers	Power Cooperative	Municipal Power Authorities	Large Commercial	Industrial	Residential	Community Choic Aggregation
Our Cus	Utilities	Financial Institutions	Public Sector	Small & Medium Commercial	Government Aggregation	Small Business
Competencies	Expertise in sourcing contracted generation to provide customized products		Strong direct customer and broker relationships     High customer retention rates		Broad suite of solutions to address supply and demand side needs Strong energy and services operating platform Proven partnership model	
Our Comp	Highly tailored products and solutions     Commodity and risk management and hedging		Industry-leading association relationships     Scalable platform     Bundled energy solution			







## Our C&I Concentration is a Core Strength

## **Financial Stability**



- Predictable load and stable unit margins
- Repeatable business with high retention and win rates
- Insulation from weather-driven volatility
- Better aligned to baseload fleet
- Maximized cash flows from high customer satisfaction and win and renewal rates

## **Scalable Platform**



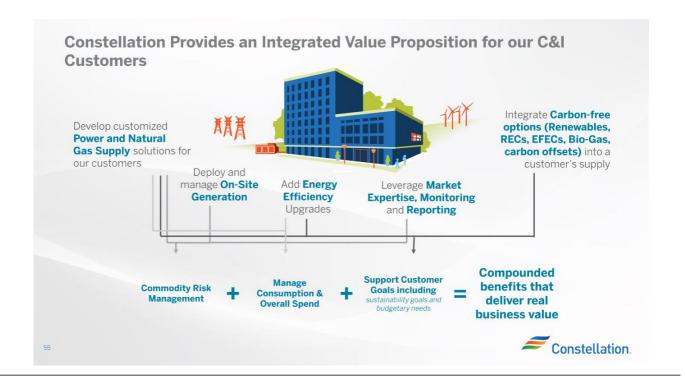
- Broad suite of energy, sustainability, and analytics solutions for customers
- Lower customer acquisition and services costs allows for scalability
- Curtailable load enables grid stability

## Strong Foundation for Growth



 Best positioned to sell sustainability and carbon-free products due to our strong customer relationships





## **Businesses are Demanding Carbon-Free Energy Products and Solutions**



60% of the Fortune 500 have set a target related to GHG emission reduction, a 12% increase since 2017, according to World Wildlife Fund



JP Morgan created a methodology called Carbon Compass<sup>sat</sup> which establishes Paris-aligned targets to reduce carbon intensity in 018 & Gas. Electric Power and Auto Manufacturing portfolios by 2030



"A Fifth of World's Largest Companies Committed to Net Zero Target"





Bloomberg targets to become the first one-stop-shop for



The State Department's Clean Energy Demand Initiative (CEDI) is "bringing corporations and countries together in pursuit of their climate and energy goals"



Over 200 Companies have signed The Climate Pledge to reach the terms of the Paris Agreement 10 years early



"Given how central the energy transition will be to every company's growth prospects, we are asking companies to disclose a plan for how their business model will be compatible with a net zero economy."

— Larry Fink,
— LEO Blackrock



Clean Energy Buyers Alliance, which is comprised of nearly 300 members, has committed to achieving a 90% carbon-free U.S. electricity system by 2030



The Ceres Ambition 2030 initiative is working to decarbonize six of the highest-emitting sectors





# **Driving the Customer and Grid Transition to Carbon Free with an Hourly-Matched Product**

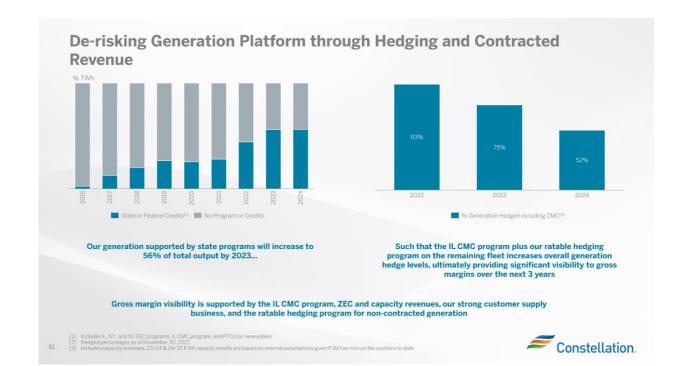


Constellation is developing an hourly-matched carbon-free energy solution that is optimized around customer decarbonization goals and affordability









# **Gross Margin\* Update**

2022	2023
\$6,200	\$4,450
\$2,450	\$2,850
\$(2,150)	\$(600)
\$450	\$500
\$150	\$100
\$250	\$350
\$7,350	\$7,650
	\$6,200 \$2,450 \$(2,150) \$450 \$150 \$250

(1) Gross margin\* categories rounded to nearest \$50M

(2) Includes gross margin for CMC plants through May 31, 2

3) Includes gross margin and CMC payments for CMC plants starting June 1, 2022, NY ZEC revenues reflect the expected NY ZEC payment as of current market forwards. Should mark

(4) Mark-to-Market of Hedges assumes mid-point of hedge percentages

(5) Based on November 30, 2021 market conditions



## **Cost Management Outpacing Inflation**

(\$ in millions) -1.5% \$4,775 \$4,475 Q4:2019 Disclosures<sup>(2)</sup> Adjusted O&M\*<sup>(3)</sup>

## **Focus on Efficiencies and Cost Management**

- Constellation has a proven track record of effective cost management
- Projected to save over \$1.4B in inflation-adjusted costs by 2024<sup>(5)</sup>

### Constellation's focus on efficiencies and cost reduction, while ensuring safety and operational excellence, will support free cash flow generation

- Note: All amounts rounded to the nearest \$25M and may not sum due to rounding

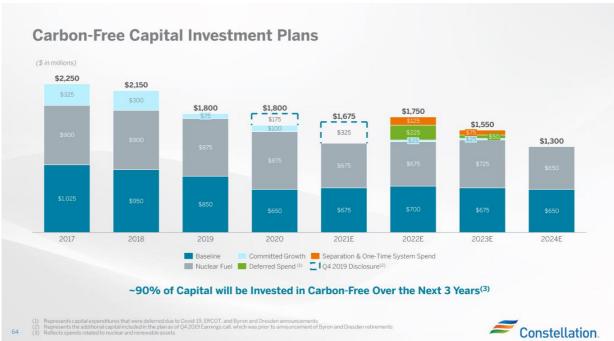
  (1) 2021 adjusted O&M\* is estimated based on November 30, 2021 forecasts. Actual results may vary.

  (2) Represents the additional adjusted O&M\* disclosed in Q4 2019 Earnings call under normal aconditions. 2020 and 2021 O&M spend is lower due to savings achieved to offset impacts of Covid-19 and Texas Weather Event: respectively.

  (3) 2017-2021 include adjustments for purposes of comparing to forward-looking measures. Adjustments include reflecting CENG at 100% ownership. ARO accretion expense of unregulated units, and reclass of person and OFE non-service costs from O&M in accordance with SEC reporting guidelines that will apply to Constellation post-separation. For SEC reporting purposes, Constellation viril apply angle employ employe person accordance with SEC reporting purposes. Constellation some service costs are ambidipated to be an acredit position of \$100M, \$150M, and \$175M in 2022 2022 and 2024 respectively. Impact is P&L neutral.

  (5) Calculated using 2017 actuals and adjusting for annual inflation through 2024 (Source: Federal Reserve Bank of Minneapolis): 2022-2024 assumes inflation trate of 2.5%







## **Maintaining Strong Investment Grade Credit Ratings is** a Top Financial Priority S&P FFO/Debt (%)\*(1) Moody's CFO Pre-WC/Debt (%)\*(2) 50% 40% 35% 40% 30% 20% 20% 2022E 2022E Debt/Adjusted EBITDA Ratio\*(3) **Constellation Credit Ratings** S&P Moody's Book Excluding Non-Recourse Issuer Rating BBB-Baa2 Short-Term Rating A-3 Constellation.

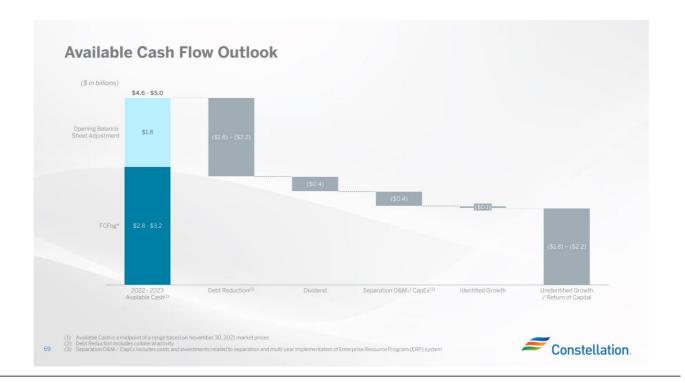


## **Growth Opportunities Can Deliver Value for Our Shareholders**

We may pursue growth opportunities that provide additional value building on our core businesses or expanding our competitive advantages

- Opportunistic carbon-free energy acquisitions, particularly nuclear plants with supportive policy
- · Create new value from the existing fleet through repowering, co-location and other opportunities
- **Grow sustainability products and services** for our customers focused on clean energy, efficiency, storage and electrification; help our C&I customers develop and meet sustainability targets
- Produce clean hydrogen using our carbon-free fleet
- Engagement with the technology and innovation ecosystem **through continued partnerships** with national labs, universities, startups, and research institutions
- Explore advanced nuclear technology for investment and participation via advisory services to maintain our leadership position as stewards of a carbon-free energy future

Constellation.







#### **Constellation: America's Leading Clean Energy Company**

#### Committed to a Carbon-Free Future Cleanest generation fleet in the country providing 10% of carbon-free power in the U.S. Enabling customers to meet their environmental and sustainability goals by providing innovative products aimed at carbon-free solutions Strong advocate for policy supporting carbon-free goals, at both the state and national level, and well-positioned to support these goals. Industry-leading nuclear capacity factor of ~94% or higher since 2013; ~4% better than industry average each year 2020 average refueling outage duration of 22 days; 11 days better than the industry average World Class Operations High customer satisfaction, resulting in strong customer renewal and retention rates that support leading 23% market share with C&I One of the largest customer-facing platforms in the U.S., serving ~215 TWhs<sup>(1)</sup> of load, including ~155 TWhs of primarily C&I retail and ~60 TWhs of wholesale volumes **Industry-Leading Customer** Business · High customer satisfaction levels resulting in business stability: 77% average retail power renewal rate since 2016 Since 2016, average customer duration of more than 6 years Strong Value Proposition Committed to investment grade credit ratings Record of cost management, with more than \$1.1B of cost reductions since 2015 Projected to save over \$1.48 in inflation-adjusted costs by 2024 Prioritzing capital allocation to support balance sheet, return of value to shareholders including annual dividend of \$180M growing at 10%, and investments that optimize our core businesses<sup>(2)</sup> Well-defined risk mitigation strategies including state support programs, capacity markets, and ratable hedging program Committed to ESG Principles • Leader in carbon-free energy, reduced emissions by 80% since 2005, which has led to a generating fleet that is 90% carbon-free and will grow to 100% carbon-free by 2040 · Diversity, equity and inclusion is a business imperative, core value and moral obligation Partner with, and support, the communities in which we operate through philanthropy, racial and social justice initiatives, and workforce development programs Maintain the highest standards of corporate governance to help us achieve our performance goals and maintain the trust and confidence of our shareholders, employees, customers, regulators, and other stakeholders





#### Constellation's Strategy is Integrated with ESG

Clean Energy Advocacy • Policy Advocacy - We work with policymakers to find solutions that drive decarbonization and provide value to customers

Carbon-Free Energy & Climate Mitigation

- Carbon-Free, Safe, and Reliable Energy Retaining essential best-in-class carbon-free, firm, 24/7 assets and growing the supply of clean power, fuels and energy carriers including hydrogen are essential to fighting the climate crisis.
- Climate Change Mitigation, Adaptation Recognizing supply can be impacted by climate change, our business also needs to adapt, build resiliency and support longevity
- Supply Chain and Fuel Cycle Building a sustainable supply chain that delivers energy as well as quality products and services, and responsibly manages waste

Customer Transformation Clean Customer Transformation – Customers, including businesses and cities, are transforming to become more sustainable from energy supply to management. We supply clean power when they need it 24 hours a day and provide transformative solutions to integrate clean fuels. We will continue to innovate to meet customer needs.

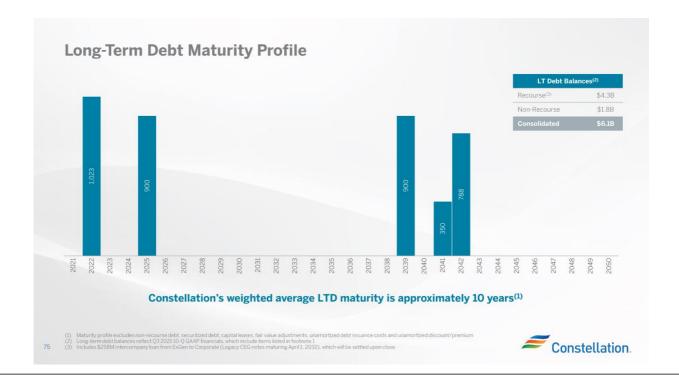
Technology and Commercialization Innovation and Technology Enablement - Partnership with our customers, suppliers, universities, governments, national labs and startups are essential to enable a clean energy future. We support technology advancement through development, partnerships and commercialization pathways.

Energy Equity

- Equity and Community Empowerment We are committed to building a future in which all our customers, employees, business partners, and communities benefit equitably from social, environmental and economic progress
- Diversity, Equity and Inclusion Our commitment to diversity, equity and inclusion is an advantage in the fight against climate change, including a commitment to attract, retain, and develop a diverse, equitable workforce, promote an inclusive culture and extend diversity and inclusiveness throughout our value chain

Governance and Ethics  Governance and Ethics - Strong corporate governance and risk management is critical to maximize operational results, ensure compliance





#### **Nuclear Fleet Overview**

Plant Location	Type/Containment	License Extension Status	License Expiration <sup>(1)</sup>	Capacity (MW) <sup>(2)</sup>	Policy Support (Term)	Ownership	Spent Fuel Storage	2-Year Capacity Factor <sup>(3)</sup>
Braidwood, IL (Units 1 and 2)	Pressurized Water Reactor Concrete/Steel Lined	Renewed	Unit 1: 2046 Unit 2: 2047	2,386	CMC Jun '22 – May '27	Constellation: 100%	Dry Cask	Unit 1: 96.8% Unit 2: 97.3%
Byron, IL (Units 1 and 2)	Pressurized Water Reactor Concrete/Steel Lined	Renewed	Unit 1: 2044 Unit 2: 2046	2.347	CMC Jun '22 – May '27	Constellation: 100%	Dry Cask	Unit 1: 97.4% Unit 2: 95.2%
Calvert Cliffs, MD (Units land 2)	Pressurized Water Reactor Concrete/Steel Lined	Renewed	Unit 1: 2034 Unit 2: 2036	1,790	N/A	Constellation: 100%	Dry Cask	Unit 1: 96.0% Unit 2: 95.8%
Clinton, IL (Unit 1)	Boiling Water Reactor Concrete/Steel Lined/Mark III	2027(4)	Unit 1: 2027 <sup>(5)</sup>	1,080	ZEC Jun '17 – May '27	Constellation: 100%	Dry Cask	Unit 1: 95.0%
Dresden, IL (Units 2 and 3)	Boiling Water Reactor Steel Vessel/Mark I	Renewed	Unit 2: 2029 Unit 3: 2031	1,845	CMC Jun '22 – May '27	Constellation: 100%	Dry Cask	Unit 2: 93.0% Unit 3: 95.8%
FitzPatrick (Unit 1)	Boiling Water Reactor Steel Vessel/Mark I	Renewed	Unit 1: 2034	842	ZEC Apr '17 – Mar '29	Constellation: 100%	Dry Cask	Unit 1: 94.4%
LaSalle, IL (Units 1 and 2)	Boiling Water Reactor Concrete/Steel Lined/Mark II	Renewed	Unit 1: 2042 Unit 2: 2043	2,320	N/A	Constellation: 100%	Dry Cask	Unit 1: 96.0% Unit 2: 96.3%
Limerick, PA (Units 1 and 2)	Boiling Water Reactor Concrete/Steel Lined/Mark II	Renewed	Unit 1: 2044 Unit 2: 2049	2,317	N/A	Constellation: 100%	Dry Cask	Unit 1: 94.6% Unit 2: 95.8%
Nine Mile Point, NY (Units 1 and 2)	Boiling Water Reactor Steel Vessel / Mark I Concrete/Steel Vessel/Mark II	Renewed	Unit 1: 2029 Unit 2: 2046	1,676	ZEC Apr '17 – Mar '29	Unit 1: Constellation 100% Unit 2: Constellation: 82%, 18% LIPA	Dry Cask	Unit 1: 92.4% Unit 2: 94.4%
Peach Bottom, PA (Units 2 and 3)	Boiling Water Reactor Steel Vessel/Mark I	Renewed	Unit 2: 2053 Unit 3: 2054	1,323	N/A	Constellation: 50% PSEG: 50%	Dry Cask	Unit 2: 93.7% Unit 3: 96.2%
Quad Cities, IL (Units 1 and 2)	Boiling Water Reactor Steel Vessel/Mark I	Renewed	Unit 1: 2032 Unit 2: 2032	1,403	ZEC Jun '17 – May '27	Constellation: 75% Mid-American Holdings: 25%	Dry Cask	Unit 1: 94.6% Unit 2: 95.5%
R.E. Ginna, NY (Unit 1)	Pressurized Water Reactor Concrete/Steel Lined	Renewed	Unit 1: 2029	576	ZEC Apr '17 – Mar '29	Constellation: 100%	Dry Cask	Unit 1: 92.2%
Salem, NJ (Units 1 and 2)	Pressurized Water Reactor Concrete/Steel Lined	Renewed	Unit 1: 2036 Unit 2: 2040	995	ZEC Jun '22 – May '25	Constellation; 42.59% PSEG: 57.41%	Dry Cask	Unit 1: 72.6% Unit 2: 93.0%

(1) Operating license renewal process takes approximately 4-5 years from commencement until completion of NRC review

(2) Net generation capacity is stated at 2010 3004 proportionate ownership share as of November 30, 2021. Figures will be confirmed in 2021 10-K filing.

(4) Although ming has been delayed, Constellation currently plans to seek license renewal for Clinton and has notified the NRC that any license renewal application would not be further than the first product of 2024.

In 2019, the NRC approved a change of the operating license expiration for Clinton from 2026 to 2027



## Renewables Fleet (Wind)

Asset Name	ISO	Location	No. of Units	Primary Fuel Type	Primary Dispatch Type	Net Generation Capacity (MW) <sup>(1)</sup>	Ownership Interest (%) <sup>(2)</sup>
Michigan Wind 2	MISO	Sanilac Co., MI	50	Wind	Intermittent	46	51
Beebe	MISO	Gratiot Co., MI	34	Wind	Intermittent	42	51
Michigan Wind 1	MISO	Huron Co., MI	46	Wind	Intermittent	35	51
Harvest 2	MISO	Huron Co., MI	33	Wind	Intermittent	30	51
Harvest	MISO	Huron Co., MI	32	Wind	Intermittent	27	51
Beebe 1B	MISO	Gratiot Co., MI	21	Wind	Intermittent	26	51
Blue Breezes	MISO	Faribault Co., MN	2	Wind	Intermittent	3	
CP Windfarm	MISO	Faribault Co., MN	2	Wind	Intermittent	2	51
Whitetail	ERCOT	Webb County, TX	57	Wind	Intermittent	47	51
Sendero	ERCOT	Jim Hogg and Zapata County, TX	39	Wind	Intermittent	40	51
Criterion	PJM	Oakland, MD	28	Wind	Intermittent	36	51
Fair Wind	PJM	Garrett County, MD	12	Wind	Intermittent	30	
Fourmile Ridge	PJM	Garrett County, MD	16	Wind	Intermittent	20	51
Bluestem	SPP	Beaver County, OK	60	Wind	Intermittent	101	51
Shooting Star	SPP	Kiowa County, KS	65	Wind	Intermittent	53	51
Bluegrass Ridge	SERC	King City, MO	27	Wind	Intermittent	29	51
Conception	SERC	Barnard, MO	24	Wind	Intermittent	26	51
Cow Branch	SERC	Rock Port, MO	24	Wind	Intermittent	26	51
Mountain Home	Northwest	Glenns Ferry, ID	20	Wind	Intermittent	21	51
High Mesa	Northwest	Elmore Co., ID	19	Wind	Intermittent	20	51
Echo 1	Northwest	Echo, OR	21	Wind	Intermittent	17	50.49
Cassia	Northwest	Buhl, ID	14	Wind	Intermittent	15	51
Wildcat	Southwest	Lovington, NM	13	Wind	Intermittent	14	51
Echo 2	Northwest	Echo, OR	10	Wind	Intermittent	10	51
Tuana Springs	Northwest	Hagerman, ID	8	Wind	Intermittent	9	51
Greensburg	SPP	Greensburg, KS	10	Wind	Intermittent	6	51
Echo 3	Northwest	Echo, OR	6	Wind	Intermittent	5	50.49
Three Mile Canyon	Northwest	Boardman, OR	6	Wind	Intermittent	5	51
Loess Hills	SERC	Rock Port, MO	4	Wind	Intermittent	5	
otal Wind						746	

Net generation capacity is stated at estimated proportionate ownership share as of November 30, 2021. Figures will be confirmed in 2021 10-K filling
 100% ownership, unless otherwise indicated



# Renewables Fleet (Solar/Hydro/Storage)

Asset Name	ISO	Location	No. of Units	Primary Fuel Type	Primary Dispatch Type	Net Generation Capacity (MW) <sup>(1)</sup>	Ownership Interest (%) <sup>(2)</sup>
Solar Horizons	PJM	Emmitsburg, MD	1	Solar	Intermittent	16	51
Solar New Jersey 3	PJM	Middle Township, NJ	5	Solar	Intermittent	2	51
Antelope Valley	CAISO	Lancaster, CA	1	Solar	Intermittent	242	
Sacramento PV Energy	CAISO	Sacramento, CA	4	Solar	Intermittent	30	51
Denver Airport Solar	Southwest	Denver, CO	1	Solar	Intermittent	4	51
otal Solar						294	
Muddy Run	PJM	Drumore, PA	8	Hydroelectric	Intermediate	1,070	
Conowingo	PJM	Darlington, MD	11	Hydroelectric	Base-load	572	
Clinton Battery Storage	PJM	Blanchester, OH	1	Energy Storage	Peaking	10	
otal Hydro/Storage						1,652	
otal Renewables						2.692	



#### **Gas Fleet**

	ISO	Location	No. of Units	Primary Fuel Type	Primary Dispatch Type	Capacity (MW) <sup>(1)</sup>	Ownership Interest (%) <sup>(2)</sup>
Mystic 8, 9	ISO-NE	Charlestown, MA	6	Gas	Intermediate	1,413	
Hillabee	SERC	Alexander City, AL	3	Gas	Intermediate	753	
West Medway II	ISO-NE	West Medway, MA	2	Oil/Gas	Peaking	192	
West Medway	ISO-NE	West Medway, MA	3	Oil	Peaking	124	
Grand Prairie	Alberta	Alberta, Canada	1	Gas	Peaking	105	
Wyman 4	ISO-NE	Yarmouth, ME	1	Oil	Intermediate	35	5.9
Framingham	ISO-NE	Framingham, MA	3	Oil	Peaking	31	
Mystic Jet	ISO-NE	Charlestown, MA	1	Oil	Peaking	9	
Eddystone 3, 4	PJM	Eddystone, PA	2	Oil/Gas	Peaking	760	
Perryman	PJM	Aberdeen, MD	5	Oil/Gas	Peaking	404	
Croydon	PJM	West Bristol, PA	8	Oil	Peaking	391	
Handsome Lake	PJM	Kennerdell, PA	5	Gas	Peaking	268	
Richmond	PJM	Philadelphia, PA	2	Oil	Peaking	98	
Philadelphia Road	PJM	Baltimore, MD	4	Oil	Peaking	61	
Eddystone	PJM	Eddystone, PA	4	Oil	Peaking	60	
Delaware	PJM	Philadelphia, PA	4	Oil	Peaking	56	
Southwark	PJM	Philadelphia, PA	4	Oil	Peaking	52	
Falls	PJM	Morrisville, PA	3	Oil	Peaking	51	
Moser	PJM	Lower Pottsgrove Twp., PA	3	Oil	Peaking	51	
Chester	PJM	Chester, PA	3	Oil	Peaking	39	
Schuylkill	PJM	Philadelphia, PA	2	Oil	Peaking	30	
Salem	PJM	Lower Alloways Creek Township, NJ	1	Oil	Peaking	16	42.59
Colorado Bend II	ERCOT	Wharton, TX	3	Gas	Intermediate	1,143	
Wolf Hollow II	ERCOT	Granbury, TX	3	Gas	Intermediate	1,115	
Handley 3	ERCOT	Fort Worth, TX	1	Gas	Intermediate	395	
Handley 4, 5	ERCOT	Fort Worth, TX	2	Gas	Peaking	870	
Southeast Chicago	PJM	Chicago, IL	8	Gas	Peaking	296	

(1) Net generation capacity is stated at estimated (2) 100% ownership, unless otherwise indicated



#### Zero-Emitting Nuclear is Prime Vehicle for Producing Hydrogen



#### Superior Economics

Green hydrogen from nuclear currently beats hydrogen production from renewables on a levelized cost basis



# Low barriers to implementation

Nuclear plants require no siting or permitting and offer a secure and steady production source



# Scalable and iterative

Electrolyzer capacity can be modularly ramped onto nuclear assets from pilot stage to at-scale production – allowing iterative electrolyzer installation costdowns and quick production scale-up with new offtakers



# Advantageous end-uses

Certain end-uses benefit from high heat industrial process – such as synfuels – that create a synergistic relationship with nuclear sites



# Enhanced criticality of nuclear assets

With increasing renewables intermittency, electrolyzers can also be used to add flexibility to nuclear assets to improve value in a decarbonizing world



# **Zero-Emission Credit (ZEC) Overview and Timelines**

Plant	State	Capacity (MW) <sup>(1)</sup>	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Clinton	IL	1,080	June '17	(				May 12	27			
Quad Cities	IL	1,403	June '17					May 12	27			
Fitzpatrick	NY	842	April '17							March	'29	
Ginna	NY	576	April '17							March	29	
Nine Mile Point	NY	1,676	April '17							March	29	
Salem	NJ	995		June '22	2	Ma	y '25					
Program Elements	Ne	w York ZEC Program		iii	linois ZE	C Progran	n		Ne	w Jersey	ZEC Pro	gram
General Description	entities must pur	clean energy standard, load serving chase Zero Emission Credits from urchases them from the eligible nuclear	contra	ct with zero	emission f		the state	he purc	hase Zero E	Emission Ce	rtificates fro	d, utilities will im certified to all of the out

Program Elements	New York ZEC Program	Illinois ZEC Program	New Jersey ZEC Program
General Description	Under the state's clean energy standard, load serving entities must purchase Zero Emission Credits from NYSERDA who purchases them from the eligible nuclear plants.	Under Future Energy Jobs Act, utilities in the state contract with zero emission facilities to procure all of the Zero Emission Credits produced in a year by the facility.	Under the state's clean energy standard, utilities will purchase Zero Emission Certificates from certified nuclear plants in an amount equivalent to all of the output of the plant.
Eligibility	PSC selects units based on: Impact on NY air quality based on PSC evaluation Financial distress Alternatives, customer impact, public interest	IPA selects units based on: Impact on IL air quality based on a formula Financial distress	BPU selects units based on: Impact on NJ air quality based on bidder input Financial distress New application required for each 3-year period
Bidder Data provided	Multi-year costs, risks and revenue projections	6 year costs, risks and generation projection	3 year costs, risks and revenue projections. Air impacts.
Term	12 years (six 2-year periods)	10 years	3-year periods
ZEC Price	\$17.48/MWh for 1st period (additional ~\$2.30/period thereafter)	\$16.50/MWh for 6 years (additional \$1/year thereafter)	-\$10/MWh for initial 3 years
Price Adjustment(s)	\$39/MWh – Market Price Index RGGI price deduct	\$31.40/MWh – Market Price Index	Determined by NJ BPU for 2 <sup>nd</sup> 3-year period and beyond
Program Budget Cap	\$480M per year initially	\$23M per year cost cap	~\$270M per year initially

(1) Reflects partially-owned units at ownership (Quad Cities is owned at 75% and Salem at 42 59%)



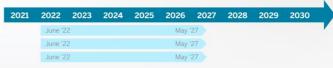
#### **New York ZEC Price Determination**

Tranche	Date	US SCC "Central Value" (\$/Short Ton)	Baseline RGGI Estimate (\$/Short Ton)	Net CO <sub>2</sub> Externality (\$/Short Ton)	Short Ton to MWh (Conversion Factor)	Adjusted SCC (\$/MWh)	Zone A Reference Price (\$/MWh)	Energy and Capacity Forecast Adjustment (\$/MWh)	Upstate ZEC Price (\$/MWh)
Tranche 1	4/1/2017- 3/31/2019	\$42.87	\$10.41	\$32.47	0.53846	\$17.48	N/A	N/A	\$17.48
Tranche 2	4/1/2019- 3/31/2021	\$46.79	\$10.41	\$36.38	0.53846	\$19.59	\$39.00	N/A	\$19.59
Tranche 3	4/1/2021- 3/31/2023	\$50.11	\$10.41	\$39.71	0.53846	\$21.38	\$39.00	N/A	\$21.38
Tranche 4	4/1/2023- 3/31/2025	\$54.66	\$10.41	\$44.26	TBD	TBD	TBD	TBD	TBD
Tranche 5	4/1/2025- 3/31/2027	\$59.54	\$10.41	\$49.13	TBD	TBD	Tranche 4 amount	TBD	TBD
Tranche 6	4/1/2027- 3/31/2029	\$64.54	\$10.41	\$54.13	TBD	TBD	Tranche 4 amount	TBD	TBD



## Illinois Carbon Mitigation Credit (CMC) Overview and Timelines

Plant	State	Capacity (MW)
Braidwood	IL	2,386
Byron	IL	2.347
Dresden	IL	1,845



Program Elements	Illinois Carbon Mitigation Credits Program
Eligibility	<ul> <li>IL CMC program is similar to the IL ZEC program, except that ComEd is the only buyer and only PJM units are eligible</li> <li>Bidders must submit financial projections to demonstrate financial need, and selection is based on air quality impacts in Illinois.</li> </ul>
Term	5-energy years
Product	A Carbon Mitigation Credit means the environmental attributes of 1 MWH of nuclear generation Suppliers are selling environmental attributes only, not energy or capacity Procurement quantity is 54.5 TWH per year (3 plants), with obligation to operate
CMC Price	Suppliers bid an "all-in" price, not a fixed credit price Supplier payment = Bid Price - Energy Index - Capacity Index - Other Subsidies (eg, PTC) Energy Index = average day-ahead price at selected nuclear plants Capacity Index = ComEd zone capacity price Payment can be positive (to supplier) or negative (to buyer)
Bid Price Cap	\$30.30/MWh, \$32.50/MWh, \$33.43/MWh, \$33.50/MWh, \$34.50/MWh (for the 5 years)



# PJM Capacity Market

	2021/2022				
Zone	Cleared Volumes (MW) <sup>(1)</sup>	Price (\$/MW-day)			
Nuclear	5,175	\$196			
Fossil/Others		\$196			
ComEd	5,175				
Nuclear	3,925	\$166			
Fossil/Others	2,100	\$166			
EMAAC	6,025				
Nuclear	1,700	\$140			
Fossil/Others		\$140			
SWMAAC	1,700				
Nuclear		\$140			
Fossil/Others	225	\$140			
MAAC	225				
Nuclear		\$200			
Fossil/Others	400	\$200			
BGE	400				
Nuclear		\$140			
Fossil/Others	100	\$140			
Rest of RTOs	100				
Nuclear	10,800				
Fossil/Others	2,825				
PJM Portfolio	13,625				

2022/2023							
Cleared Volumes (MW) (1)	Price (\$/MW-day)						
4,600	\$69						
	\$69						
4,600							
4,450	\$98						
2,450	\$98						
6,900							
1,700	\$96						
	\$96						
1,700							
	\$96						
225	\$96						
225							
	\$127						
425	\$127						
425							
	\$50						
50	\$50						
50							
10,750							
3,150							
13,900							

Constellation.

(1) Volumes are rounded and reflect Constellation's ownership share of partially owned unit

# **Other Capacity Markets**

Plant Location	2021/2022	2022/2023	2023/2024	2024/2025
NEMA				
Capacity (MW)(3)	1,365	1,525	1,525	115
Price (\$/MWd)	\$172	\$125	\$66	\$131
SEMA				
Capacity (MW)(3)	235	235	235	235
Price (\$/MWd) <sup>(4)</sup>	\$568	\$585	\$597	\$632
ISO-NE <sup>(1)</sup>	1,600	1,760	1,760	350
Capacity (MW) <sup>(3)</sup>	3,100	3,100	3,100	3,100
NYISO(2)	3,100	3,100	3,100	3,100
Capacity (MW)(3)	1,035			
Price (\$/MWd) <sup>(4)</sup>	\$5			
MISO	1,035			

(1) ISO-NE: ISO New England: NEMA: Northeastern Massachusetts and Boston: SEMA: Southeastern Massachusetts

(3) Represents offered capacity at ownership

(4) AMIL: Ameren Illinois AMIL capacity price represents PRA auction clearing price for Zone 4 in \$/MWd



#### **Texas Winter Preparedness**

In compliance with Senate Bill 3, Constellation has addressed all requirements under PUCT Weatherization Standard – Phase I

#### Adherence with best practices from 2012 Quanta Report

- Built recommendations into Winter Readiness Procedures
- Completed ERCOT site walkdowns
- Created site playbooks to ensure proactive responses
- Built enclosures to protect temperature sensitive critical equipment
- Performed independent 3<sup>rd</sup> party heat trace assessments to verify circuit operation

#### Fixed known acute issues that arose from 2020-2021 winter weather season

- Implemented design improvements or mitigations to prevent reoccurrence of issues
- Installed Air Cooled Condenser (ACC) Control System at Colorado Bend II
- Upgraded Distributed Control System at Handley 3
- Enhanced Piping Insulation
- Installed new heat tracing equipment at Handley

#### Provided notarized attestation

Notarized attestation of all required PUCT actions sent in November 2021



Enhanced Piping Insulation



Enhanced Equipment Heat Tracing



#### **Commercial Business Overview**

#### Customer Breakdown of 2020 Load Served(1)

#### 2020 Power Load Served by Region (TWh)(1)





- Commercial business gross margin is driven primarily by our customer-facing businesses, which operates across multiple Wholesale and retail channels-to-market
- Opportunity to serve full suite of innovative products, commodities, and clean energy solutions to highly rated counterparties in multiple locations
- Customer usage pattern aligns with our generation portfolio from a hedging perspective; ability to source 3<sup>rd</sup> party generation to support a "supply-to-customer" strategy to enable expanded customer reach

(1) Includes Retail and Wholesale load auction volumes only 87 (2) Other includes New England, South and West



#### **Constellation Natural Gas Profile**

#### Top 10 Natural Gas Provider in the U.S.

- Constellation participates across all parts of the gas value chain including trading, transport and storage, physical gas supply, pricing, risk management and more
- Delivering more than **1.6 billion dekatherms of gas annually** to wholesale and retail customers, as well as schedule, nominate and balance behind more than **150 utilities**
- Active participant in all major supply basins, markets and trading points in North America and active shipper on 80+
  interstate pipelines daily
- Everett Marine Terminal is the longest-operating LNG import facility of its kind in the U.S

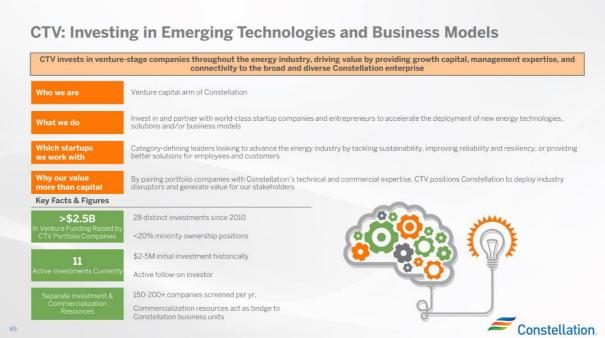
# Gas Sales by Customer Type and Market Sector Industrial Residential Public Sector Wholesale Agriculture, Trade Forestry, Fishing Mining Unknown Manufacturing Construction Finance, Insurance, Real Estate Retail Trade Transportation of Rubble Services

#### **Our Customers, Our Solutions**

- Serving over 750 BCF of natural gas to government, institutional, industrial and commercial customers
- One of the nation's largest natural gas suppliers to residences and aggregation programs
- Market-leading managed solutions, as well as fixed and floating rate gas products
- MarketWatch® tool helps customer monitor market activity to guide gas purchasing strategies
- Renewable Natural Gas (RNG) supply & attributes



2020 Constitution Energy Resources, LLC. The offerings described herein are those of either Constitution NewEnergy Gas Division, LLC or Constitution NewEnergy, Inc., affiliates of each other and ultimate unsufficient of Existin Constitution, Rando narray and consult names are trademarks or service market of Existin Constitution, Rando names and consult names are trademarks or service market of Existin Constitution, Rando names and consult names are trademarks or service market of Existin Constitution, Rando names and consult names are trademarks or service.



#### **Constellation Technology Ventures' Active Investments**























Investing in venture stage energy technology companies that can provide new solutions to Constellation and its customers

Note: Constellation's active technology investments can be found at <a href="https://technology.ventures.constellation.com/">https://technology.ventures.constellation.com/</a>: reflects current portfolio as of December 1, 2021

(1) Green boxes reflect companies that have executed a merger transactions with Special Purpose Acquisition Companies (SPACs)



# Commercial Disclosures November 30, 2021 © Constellation.

#### **Portfolio Management Strategy**

#### Strategic Policy Alignment

- Our portfolio starts in a position of already partially hedged, via longer term state programs such as the CMC in IL. Aligns hedging program financial policies and financial outlook

  Establish minimum hedge targets to meet financial objectives of the company (dividend, credit rating)

  Hedge enough commodity risk to meet future cash requirements under a stress scenario

#### Three-Year Ratable Hedging

- Ensure stability in near-term cash flows and
- Disciplined approach to hedging
   Tenor aligns with customer preferences and market liquidity
   Multiple channels to market that allow us to
- maximize margins

#### Bull / Bear Program

- Ability to exercise fundamental market views to create value within the ratable framework
  - Modified timing of hedges versus purely

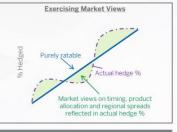
  - Modified timing of hedges versus pure ratable
     Cross-commodity hedging (heat rate positions, options, etc.)
     Delivery locations, regional and zonal spread relationships



Protect Balance Sheet



Ensure Earnings Stability



Create Value



#### **Components of Gross Margin\* Categories**

#### Gross margin\* linked to power production and sales

# Open Gross Margin\*

- Generation Gross
Margin\* at current
market prices,
including ancillary
revenues, nuclear fuel
amortization and fuel
expense
- Power Purchase
Agreement (PPA)
Costs and Revenues
- Provided at a Costs and Revenues

Provided at a
consolidated level for
all regions (includes
hedged gross margin\*
for South, West, New
England and
Canada<sup>(1)</sup>)

#### Contracted Revenues

•Expected contracted revenues from CMC payments to eligible IL plants •Expected capacity revenues for generation of electricity •Expected revenues from Zero Emissions Credits (ZEC)

#### Hedges<sup>(2)</sup>

Mark-to-Market (MtM) of power, capacity and ancillary hedges, including cross commodity, retail and wholesale load transactions
Provided directly at a consolidated level for four major regions. Provided indirectly for each of the four major regions via Effective Realized Energy Price (EREP), reference price, hedge %, expected generation.

Margins move from new business to MtM of hedges over the course of the year as sales are executed.

Ibe included with Open Gross Margins, no account of the course of the year as sales are executed.

# "Power" New Business

•Retail, Wholesale planned electric sales •Portfolio Management new business •Mid marketing new business

#### **Gross margin\* from** other business activities

#### "Non Power" Executed

•Retail, Wholesale executed gas sales •Energy Efficiency<sup>(4)</sup> •BGE Home<sup>(4)</sup>

#### "Non Power" New Business

•Retail, Wholesale planned gas sales •Energy Efficiency(3) •BGE Home(3) •Portfolio Management / origination fuels new business •Proprietary trading(4)

Margins move from "Non power new business" to "Non power executed" over the course of the year

- (1) Hedged gross margins" for South. West. New England & Canada region will be included with Open Gross Margin"; no expected generation, hedge %, EREP or reference prices provided for these (2) MIM of hedges provided directly for the four larger regions; MIM of hedges is not provided directly at the regional level but can be easily estimated using EREP, reference price and hedged MIM (3) Gross margin" for three businesses are net of direct cost of sales (4) Propretarly tracing gross margins" will generally remain within "Non Power" Executed category upon management discretion (5) Margins for South. West. New England & Canada regions and optimization of fuel and PPA activities captured in Open Gross Margin"



# **Gross Margin\***

	November 30, 2021		
Gross Margin Category (\$M) <sup>(1)</sup>	2022	2023	
Open Gross Margin			
(including South, West, New England & Canada hedged GM)*(2)	\$6,200	\$4,450	
Contracted Revenues (Capacity, ZEC and IL CMC Plant Revenues) <sup>(3)</sup>	\$2,450	\$2,850	
Mark-to-Market of Hedges <sup>(4)</sup>	\$(2,150)	\$(600)	
Power New Business / To Go	\$450	\$500	
Non-Power Margins Executed	\$150	\$100	
Non-Power New Business / To Go	\$250	\$350	
Total Gross Margin* <sup>(5)</sup>	\$7,350	\$7,650	
Reference Prices <sup>(5)</sup>	2022	2023	
Henry Hub Natural Gas (\$/MMBtu)	\$4.12	\$3.55	
Midwest: NiHub ATC prices (\$/MWh)	\$41.18	\$33.75	
Mid-Atlantic: PJM-W ATC prices (\$/MWh)	\$49.23	\$40.39	
ERCOT-N ATC Spark Spread (\$/MWh) HSC Gas, 7.2HR, \$2.50 VOM	\$11.79	\$9.48	
New York: NY Zone A (\$/MWh)	¢27.02	\$22.02	

(1) Gross margin\* categories rounded to nearest \$50M

(3) Includes gross margin and CMC payments for CMC plants starting June 1, 2022. NY ZEC revenues reflect the expected NY ZEC payment as of current market forwards. Should mark

forwards exceed the ZEC reference index in New York, ZEC payments m

(5) Based on November 30, 2021, market conditions



# **Generation and Hedges**

#### November 30, 2021

ieneration and Hedges	2022	2023
Expected Generation (GWh)(1)	199,000	196,000
Midwest <sup>(2)</sup>	96,500	95,300
Mid-Atlantic	55,700	54,600
ERCOT	21,400	20,300
New York	25,400	25,800
% of Expected Generation Hedged <sup>(3)</sup>	91%-94%	74%-77%
Midwest	95%-98%	86%-89%
Mid-Atlantic	95%-98%	69%-72%
ERCOT	78%-81%	54%-57%
New York	78%-81%	54%-57%
Effective Realized Energy Price (\$/MWh) <sup>(4)</sup>		
Midwest	\$27.00	\$27.00
Mid-Atlantic	\$33.50	\$34.00
ERCOT <sup>(5)</sup>	\$4.00	\$4.00
New York	\$24.00	\$24.50

(1) Expected generation is the volume of energy that best represents our commodity position in energy markets from owned or contracted for capacity based upon a simulated dispatch mode that makes assumptions regarding future market conditions, which are calibrated to market quotes for power, fuel, load following products, and options. Expected generation assumes 11 retuiling outgoings in 2022 and 2023, a few processing and 2024 and 2023 at Occasional Positions and Salem. Expected generation assumes capacity factors of 94.5% and 94.0% in 2022 and 2023, respectively at Constellation-operated nuclear plants, at ownership. These estimates of expected generation in 2022 and 2023 do not represent guidance or a forecast of future results as Constellation that put compelled its faminities or continuation processes for those waves.

3) Percent of expected generation hedged is the amount of equivalent sales divided by expected generation. It includes all hedging products, such as wholesale and retail sales of power, options and swaps. The Midwest Valueries in the table reflect I, plants receiving CMC payments and 50% hedged in 2022 and 63% to 72% hedged in 2023. We will hedge lant and hedge volumes, the Midwest is 93% to 50% hedged in 2022 and 63% to 72% hedged in 2023. We will hedge the residual

(4) Effective realized energy price is representative of an all-in hedged price, on a per MMh basis, at which expected generation has been hedged. It is developed by considering the energy price is representative and by considering the fossil hut that has been purchased to lock in margin. It excludes unanimous costs. RPM capacity, ZEV and CMC revenues, but includes the mark-to-markel value of capacity contracted at prices often than RPM clearing prices including our load obligations. It can be compared with the reference pri useful calculated expensive margin\* in order to determine the mark-to-markel value of capacity contracted at prices of the than the prices of the pr



# **Hedged Gross Margin\* Sensitivities**

#### November 30, 2021

Gross Margin* Sensitivities (with existing hedges) (1)	2022	2023
Henry Hub Natural Gas (\$/MMBtu)		
+ \$0.50/MMBtu	\$65	\$140
- \$0.50/MMBtu	\$(45)	\$(135)
NiHub ATC Energy Price		
+ \$2.50/MWh		\$30
- \$2.50/MWh	*	\$(30)
PJM-W ATC Energy Price		
+ \$2.50/MWh	\$5	\$40
- \$2.50/MWh		\$(45)
NYPP Zone A ATC Energy Price		
+ \$2.50/MWh	\$5	\$25
- \$2.50/MWh	\$(5)	\$(25)
Nuclear Capacity Factor		
+/-1%	+/- \$50	+/- \$30

1) Based on November 30, 2021 market conditions and hedged position; gas price sensitivities are based on an assumed gas-power relationship derived from an internal model that is upda periodically; power price sensitivities are derived by adjusting the power price assumption while keeping all other price inputs constant; due to correlation of the various assumptions he hedged gross margin\* impact calculated when correlations the twenty and assumptions are also considered; sensitivities based on commodity exposure which includes open generation and all control transactions.



# Illustrative Example of Modeling 2023 Total Gross Margin\*

Row	Item	Midwest <sup>(2)</sup>	Mid-Atlantic	ERCOT	New York
(A)	Start with fleet-wide open gross margin*.		\$4.45 b	illion —	
(B)	Contracted Revenues -	<b>——</b>	\$2.85 b	illion —	
(C)	Expected Generation (TWh)	41.3	54.6	20.3	25.8
(D)	Hedge % (assuming mid-point of range)	70.5%	70.5%	55.5%	55.5%
(E=C*D)	Hedged Volume (TWh)	29.1	38.5	11.3	14.3
(F)	Effective Realized Energy Price (\$/MWh)	\$27.00	\$34.00	\$4.00	\$24.50
(G)	Reference Price (\$/MWh)	\$33.75	\$40.39	\$9.48	\$32.93
(H=F-G)	Difference (\$/MWh)	(\$6.75)	(\$6.39)	(\$5.48)	(\$8.43)
(I=E*H)	Mark-to-Market value of hedges (\$ million) <sup>(1)</sup>	(\$195)	(\$245)	(\$60)	(\$120)
(J=A+B+I)	Hedged Gross Margin (\$ million)		\$6,7	00	
(K)	Power New Business / To Go (\$ million)	\$500			
(L)	Non-Power Margins Executed (\$ million)	\$100			
(M)	Non-Power New Business / To Go (\$ million)		\$35	0	
(N=J+K+L+M)	Total Gross Margin*		\$7,650 r	million	

(1) Mark-to-market rounded to the nearest \$5M (2) Use the Mickwest hedge ratio that excludes the CMC plant volume and hedge



# **Additional Constellation Modeling Data**

Total Gross Margin* Reconciliation (in \$M)(1)	2022	2023	
Adjusted Operating Revenues*(2)	\$19,075	\$18,500	
Adjusted Purchased Power and Fuel*(2)	(\$11,250)	(\$10,375)	
Other Revenues <sup>(3)</sup>	\$(175)	\$(175)	
Direct cost of sales incurred to generate revenues for certain Constellation and Power businesses	\$(300)	\$(300)	
Total Gross Margin* (Non-GAAP)	\$7,350	\$7,650	

Inputs	2022		
Avg. Shares Outstanding (millions)(4)	326		
Effective Tax Rate	25%		
Cash Tax Rate <sup>(5)</sup>	14%		

(1) All amounts rounded to the nearest \$25M

(2) Excludes the Mark-to-Market impact of economic hedging activities due to the volatility and unpredictability of the future changes to power prices

(3) Other Revenues primarily reflects revenues from variable interest entities, funds collected through revenues for decommissioning the former PECO nuclear plants through regulater rates and gross receipts tax revenues.

(4) Represents the estimated number of outstanding diluted shares of common stock upon consummation of the separation. The estimate is based on the number of shares of Exel prompting the district standing on spatember 30, 2021 and spouling the distribution ratio of one share of any common stock for such three shares of Exelon prompting stock.

(5) Cash tax rate excludes receivable from Exelon frax credits if receivable were to be included in calculation, cash tax rate would be 69



# **Appendix**

# Reconciliation of Non-GAAP Measures



#### GAAP to Non-GAAP Reconciliations(1)

S&P FFO/Debt(2) = -

FFO (a) Adjusted Debt (b)

Moody's CFO Pre-WC/Debt(3) =

Moody's CFO Pre-WC Calculation(3)

+/- Working Capital Adjustment - Nuclear Fuel Capital Expenditures

+/- Other Moody's CFO Adjustments = CFO Pre-Working Capital (c)

CFO (Pre-WC) (c) Adjusted Debt (d)

#### S&P FFO Calculation(2)

- GAAP Operating Income + Depreciation & Amortization
- Interest
- + Nuclear Fuel Amortization
- +/- Mark-to-Market Adjustments (Economic Hedges) +/- Other S&P Adjustments
- = FFO (a)

#### S&P Adjusted Debt(1)

#### Long-Term Debt

- + Short-Term Debt
- + Purchase Power Agreement and Operating Lease Imputed Debt
- + Pension/OPEB Imputed Debt (after-tax)
- + AR Securitization Imputed Debt
- Off-Credit Treatment of Non-Recourse Debt
- Cash on Balance Sheet
- +/- Other S&P Adjustments
- = Adjusted Debt (b)

Moody's Adjusted Debt Calculation

- + Short-Term Debt
- + Underfunded Pension (pre-tax)
- +Operating Lease Imputed Debt +/- Other Moody's Debt Adjustments
- = Adjusted Debt (d)



#### GAAP to Non-GAAP Reconciliations(1)

Debt / EBITDA = -

Net Debt (a) Adjusted EBITDA\* (b)

#### **Net Debt Calculation**

Long-Term Debt (including current maturities) + Short-Term Debt

- Cash on Balance Sheet
- = Net Debt (a)

#### **Adjusted EBITDA Calculation**

- + Depreciation & Amortization
- = EBITDA
- +/- GAAP to Operating Adjustments
- = Adjusted EBITDA\* (b)

#### Debt/EBITDA Excluding Non-Recourse = -

Net Debt (c) Adjusted EBITDA\* (d)

#### Net Debt Calculation Excluding Non-Recourse

Long-Term Debt (including current maturities) + Short-Term Debt

- Non-Recourse Debt
- = Net Debt Excluding Non-Recourse (c)

#### Adjusted EBITDA Calculation Excluding Non-Recourse

- GAAP Operating Income + Depreciation & Amortization
- = EBITDA
- +/- GAAP to Operating Adjustments
- -EBITDA from Projects Financed by Non-Recourse Debt

   Adjusted EBITDA\* Excluding Non-Recourse Debt (d)

Constellation.

#### **GAAP to Non-GAAP Reconciliation**

Adjusted EBITDA* Reconciliation (in \$M)(1)	2022
GAAP Net Income	\$250 - \$550
Income Tax Expense	\$125
Interest Expense	\$275
Depreciation and Amortization	\$1,100
Pension and OPEB Non-Service Costs	\$(100)
Mark-to-Market Impact from Economic Hedging Activities	\$525
ERP System Implementation	\$25
Separation Costs	\$150
Decommissioning Related Activity(2)	\$50
Adjusted EBITDA* (Non-GAAP)	\$2,350 - \$2,750

Note: Items may not sum due to rounding

(1) All amounts rounded to the nearest \$25M

(2) Includes NDT earnings and accretion on asset retirement obligations for unregulated units, in addition to earnings neutral items associated with contractual offset for regulated units.



#### **GAAP to Non-GAAP Reconciliation**

Free Cash Flow before Growth* (in \$M)(1)	2022 - 2023		
Adjusted Cash Flows from Operations* (Non-GAAP)(2)	\$5,550 - \$5,950		
Base and Nuclear Fuel Capital Expenditures(3)	\$(3,100)		
Reinvestment in Nuclear Decommissioning Trust Funds <sup>(4)</sup>	\$(550)		
Collateral activity	\$600		
0&M related to Separation and ERP System Implementation	\$200		
Other Net Investing Activities	\$150		
Free Cash Flow before Growth*	\$2,800 - \$3,200		

Note: Items may not sum due to rounding

(2) Includes Collection of Deferred Purchase Price (DPP) related to the revolving accounts receivable arrangement, which is presented in cash flows from investing activities for GAAP. Cas

3) Includes \$275M of deferred capital expenditures shown on page 64

Keflects reinvestment of proceeds from nuclear decommissioning trust funds that are presented in Adjusted Cash Flows from Operations\*, Impact is cash flow neutral



#### **GAAP to Non-GAAP Reconciliation**

Adjusted O&M* Reconciliation (\$M)(1,2)	2017	2018	2019	2020	2021	2022	2023	2024
GAAP O&M	\$6,350	\$5,475	\$4,725	\$5,150	\$4,600	\$5,000	\$5,050	\$5,000
Decommissioning <sup>(3)</sup>	\$(200)	\$(200)	-	\$(200)	\$(125)	\$(175)	\$(200)	\$(200)
Plant Retirements and Divestitures <sup>(4)</sup>	\$(100)	\$(100)		\$(475)	\$575	-	-	
Asset Impairments <sup>(5)</sup>	\$(450)	-		-	\$(525)	-	2	-
Direct cost of sales incurred to generate revenues for certain Commercial and Power businesses <sup>(6)</sup>	\$(450)	\$(250)	\$(275)	\$(225)	\$(275)	\$(300)	\$(275)	\$(300)
Separation costs	-	-	-	-	\$(50)	\$(150)	\$(50)	+
ERP System Implementation	-	7	-		-	\$(25)	\$(25)	
Pension and OPEB Non-Service Costs(7)	\$(25)	-	\$50	\$50	\$50	-	-	-
Other	\$(150)	\$(125)	\$(75)	\$(125)	\$(100)	-		5
Adjusted O&M* (Non-GAAP)	\$4,975	\$4,775	\$4,400	\$4,225	\$4,150	\$4,375	\$4,475	\$4,475

Note: Items may not sum due to rounding

All amounts rounded to the nearest \$25M, 2021 adjusted O&M\* is estimated based on November 30, 2021 forecasts. Actual results may vary.
 Pollogate OSMO at 10006 superpiking all luggers.

(2) Includes parnings pourted O.E.M. and accretion

3) Includes earnings neutral O&M and accretion of asset retirement obligation on unregulated units; 2019 includes ARO update for TMI

4) Reflects retirements of TMI in 2017 and Dyster Creek in 2018. 2020 includes (\$500M) of impairment and (\$25M) of one-time charges associated with retirement of Mystic 8/9, 2020 and 2021 include \$325M and \$500M, respectively, of accelerated earnings neutral 0&M associated with the decision to early retire byron and Dresden that cannot be reversed. The remaining amount primarily reflects the reversal of one-time charges resulting from the previous decision to retire Byron and Dresden.

(6) Reflects the direct cost of sales of certain businesses, which are included in Total Gross Margin\*

(7) Reflects impact from reclassing pension non-service costs from Q&M to Other. Net consistent with future GAAP classification post-separation. Impact is earnings neu

