Welcome to the Large Customer Seminar





Before We Get Started...

Due to the large number of attendees today:

- ✓ Your audio is muted, and we ask that it remains muted throughout the discussion.
- ✓ If you are not an active discussion participant, please turn off your camera to ensure a quality connection for all.
- ✓ If you have any technical issues, please send a private message to Larki Robinson via the CHAT feature.
- ✓ If you are using your computer for audio only and experience trouble hearing clearly, try joining the audio using the call-in option instead (415-655-0002; Access code 2336 804 3982#, Press # to join)
- ✓ Questions can be submitted via the Q & A feature or emailed to marilyn.townsend@dominionenergy.com. As time permits, we will answer questions that have been submitted.

THANK YOU FOR JOINING.

THE PROGRAM WILL BEGIN SHORTLY AND WILL BE RECORDED.

PLEASE TAKE A
MOMENT TO REVIEW
ETIQUETTE FOR
TODAY'S PROGRAM.



Customer Service & Strategic Partnerships

Meeting Agenda

9:00 – 9:10 am	Welcome & Introductions	Shaun Randall, Vice President, Transmission & Delivery					
9:10 – 9:20 am	Safety / Housekeeping	Larki Robinson, Key Account Manager					
9:30 – 10:15 am	Integrated Resource Plan/Retirement Study	Eric Bell, Manager Electric Market Operations					
10:15 – 10:30 am	BREAK						
10:30 – 11:15 am	New Business/Customer Solutions	Danny Kassis, Gen Mgr., New Business & Customer Solutions					
	Transportation Electrification in SC	Westy Westmoreland, Director, Electrification					
11:15 – 12:00 pm	Regulatory Update	John Raftery, Director, Regulatory					
12:00 noon	Closing Remarks	Therese Griffin, Director Strategic Partnerships & Energy Conservation					
	LUNCH FOLLOWING						





DESC Large Customer Seminar May 19, 2022

Resource Planning





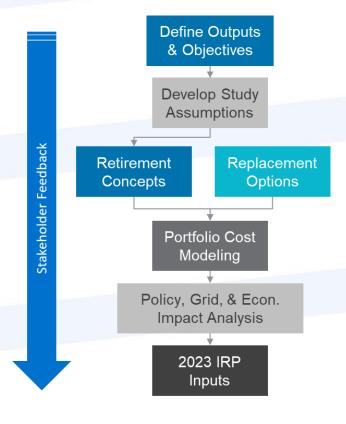
Agenda

- 1. Retirement Study
- 2. Integrated Resource Plan
- 3. Utility-Scale Solar Generation



Coal Retirement Study - Wateree/Williams

Retirement Study Process Overview





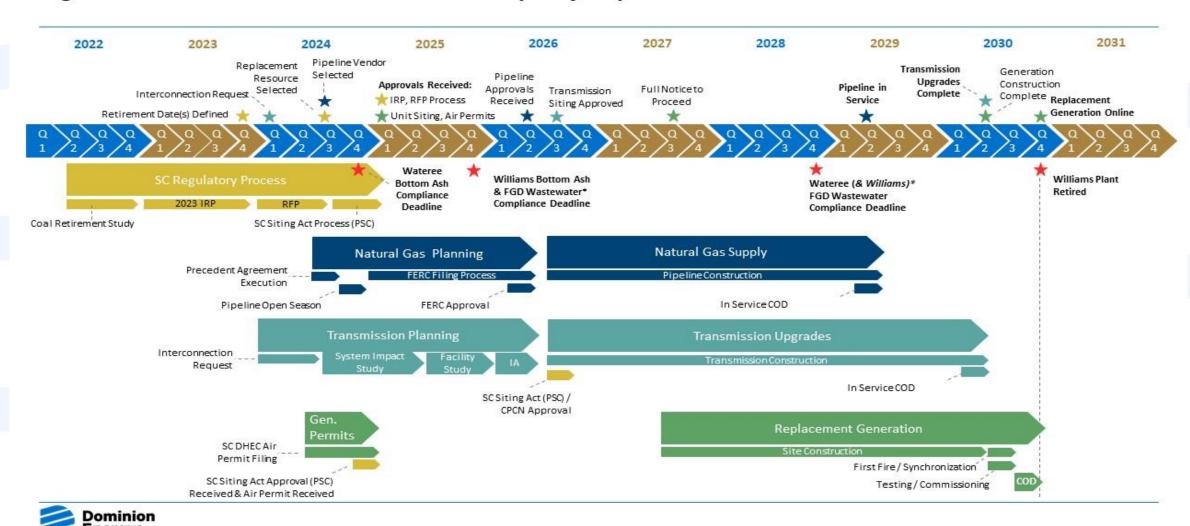
Coal Plant Retirement StudyExample of PLEXOS build plan

	Reference Case											
	Purchase Base	New 1x1 CC	New ICT Aero 1x	New ICT Aero 2x	New ICT Frame	New Solar	NewBattery	WAT01_ST	WAT02_ST	WIL01_ST	Reserve Margin	
Total	23	-	-	2	1	75	35	1	1	1		
MW	250	-	-	468	523	5,625	1,313	(342)	(342)	(610)		
2022	-	-	-	-	-	-	-	-	-	-	27.6	
2023	-	-	-	-	-	-	-	-	-	-	26.5	
2024	-	-	-	-	-	-	-	-	-	-	30.3	
2025	-	-	-	-	-	-	-	-	-	-	29.9	
2026	-	-	-	-	-	-	-	-	-	-	29.4	
2027	-	-	-	-	-	-	-	-	-	-	29.1	
2028	-	-	-	-	-	-	-	-	-	-	28.8	
2029	-	-	-	1	-	1	2	1	1	-	21.0	
2030	-	-	-	-	-	2	2	-	-	-	21.4	
2031	-	-	-	1	1	-	-	-	-	1	23.1	
2032	-	-	-	-	-	4	1	-	-	-	22.7	
2033	-	-	-	-	-	4	3	-	-	-	23.1	
2034	-	-	-	-	-	4	2	-	-	-	23.4	
2035	-	-	-	-	-	4	1	-	-	-	23.0	
2036	-	-	-	-	-	4	-	-	-	-	21.9	
2037	-	-	-	-	-	4	1	-	-	-	21.8	
2038	-	-	-	-	-	4	1	-	-	-	21.7	
2039	-	-	-	-	-	4	1	-	-	-	21.4	
2040	-	-	-	-	-	4	2	-	-	-	21.5	
2041	-	-	-	-	-	4	3	-	-	-	21.3	
2042	-	-	-	-	-	4	4	-	-	-	21.8	
2043	-	-	-	-	-	4	3	-	-	-	22.0	
2044	-	-	-	-	-	4	2	-	-	-	22.2	
2045	-	-	-	-	-	4	-	-	-	-	21.3	
2046	1	-	-	-	-	4	-	-	-	-	21.4	
2047	3	-	-	-	-	4	-	-	-	-	22.2	
2048	4	-	-	-	-	4	-	-	-	-	22.3	
2049	5	-	-	-	-	4	3	-	-	-	22.5	
2050	5	-	-	-	-	-	2	-	-	-	20.1	
2051	5	-	-	-	-	-	2	-	-	-	21.8	



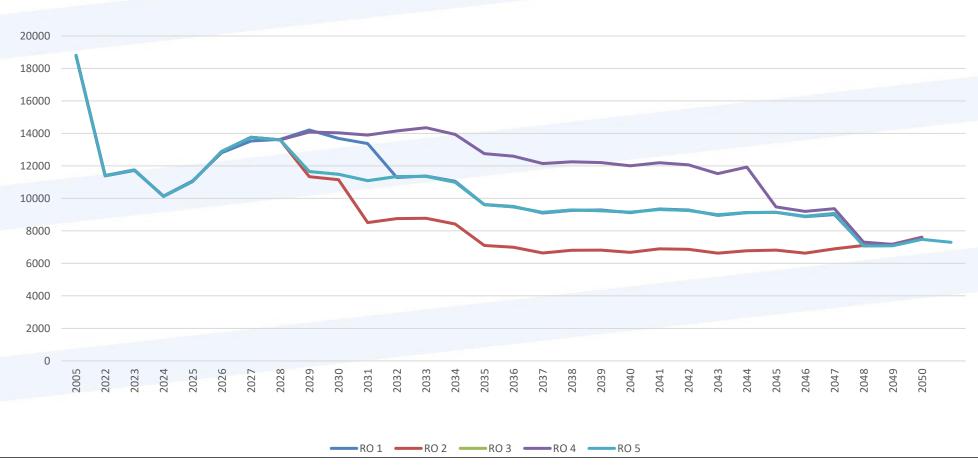
Coal Plant Retirement Study Example of a Timeline to Replacement

Figure 1: Williams and Wateree Permanent Capacity Replacement Schedule



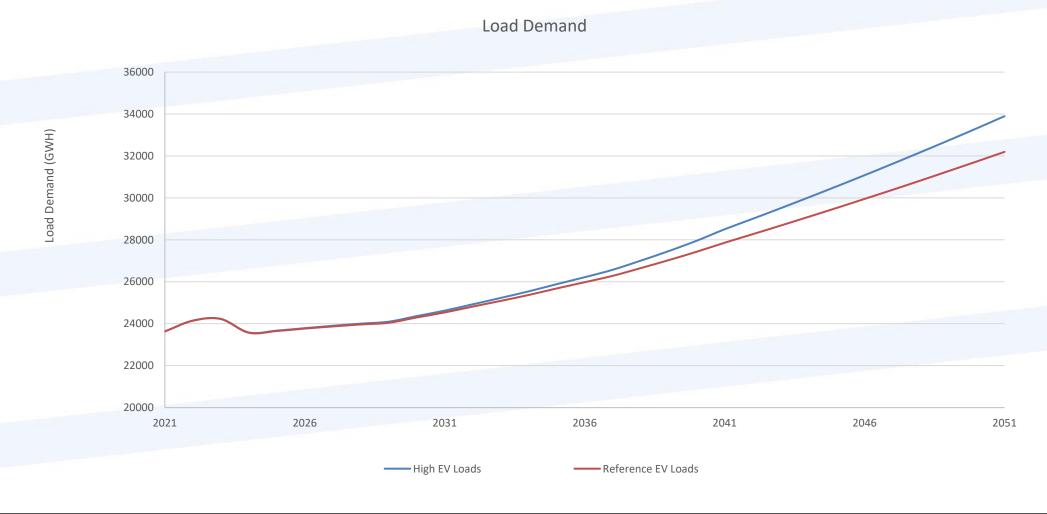
Coal Plant Retirement Study Cumulative Carbon Impact by Build Plan

Annual CO₂ (ktons) - Limited Gas Market Scenario





Coal Plant Retirement StudyEnergy Load Forecast



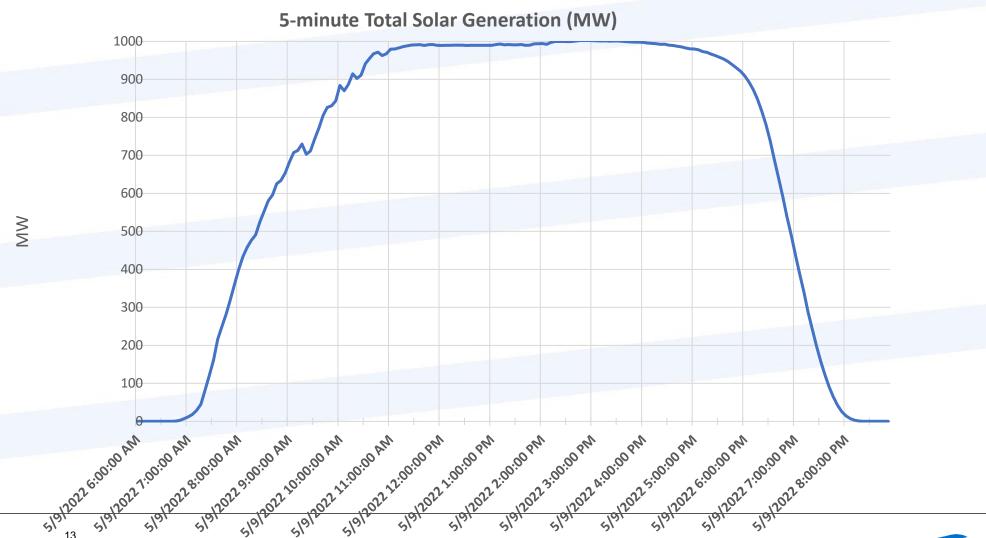


Integrated Resource Planning per South Carolina Act No. 62

- 1. Awaiting PSC Order concerning DESC 2021 IRP Update submitted on August 17, 2021
- 2. DESC will file the 2022 IRP Update as directed by a PSC Order
- 3. The DESC 2023 IRP will be filed in February 2023

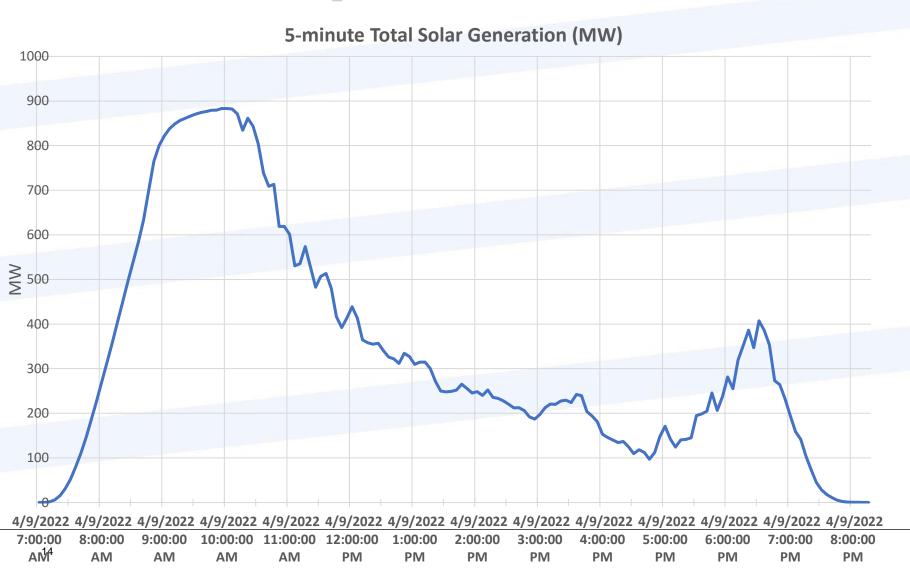


Experience with Solar on DESCClear and Sunny Day – May 9, 2022

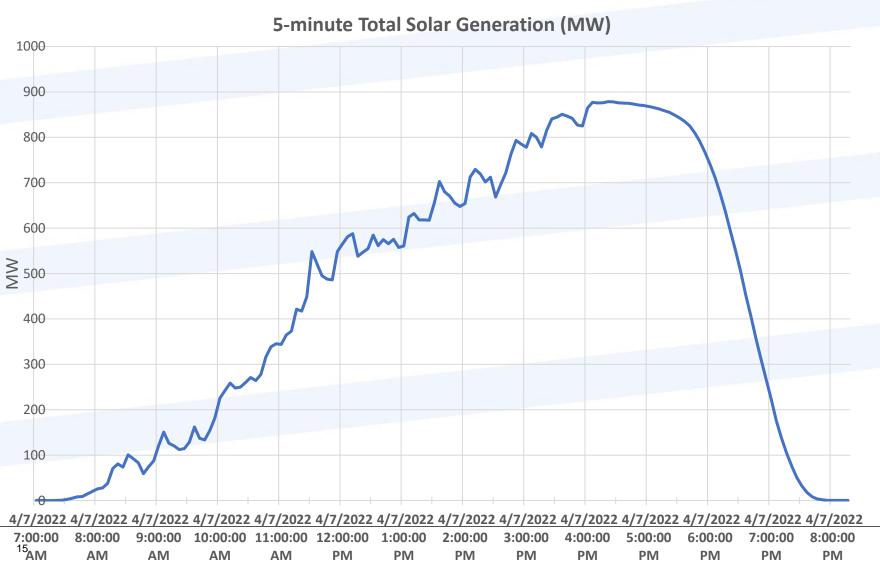




Experience with Solar on DESC Clouds Roll In – April 9, 2022

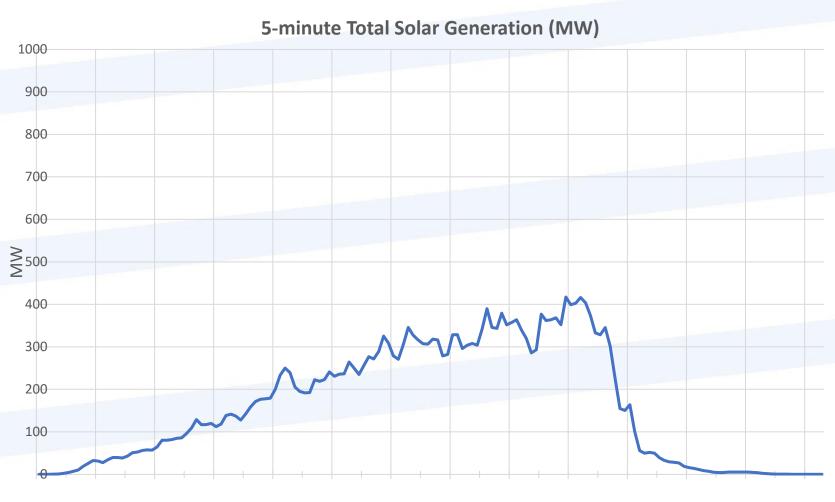


Experience with Solar on DESCClouds Roll Out – April 7, 2022





Experience with Solar on DESCCloudy but Possibly Clearing? – April 6, 2022

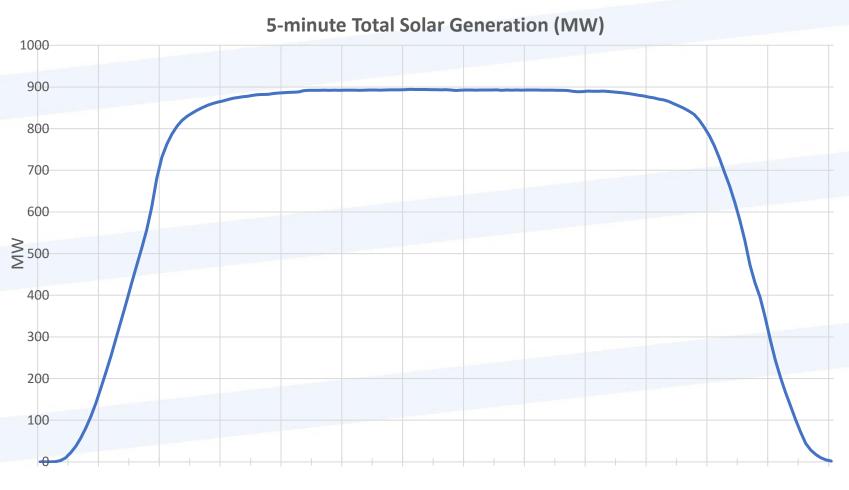


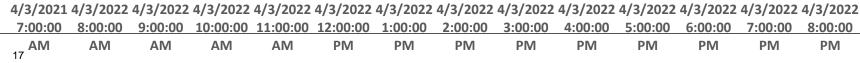






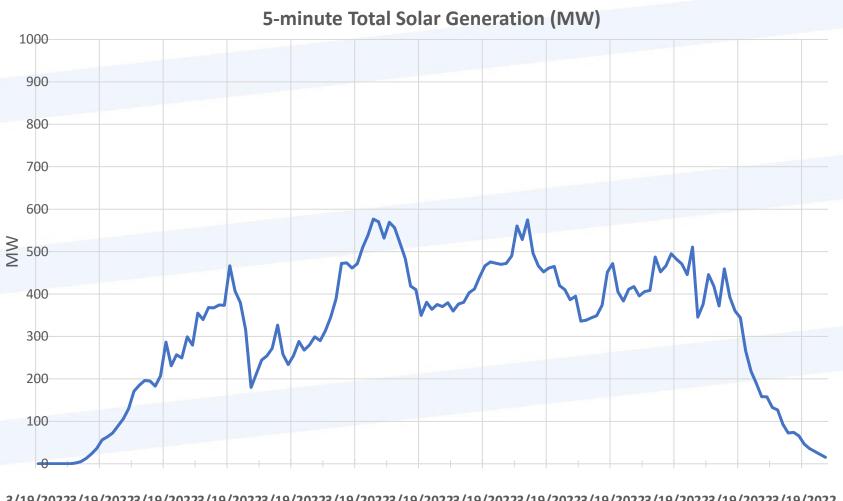
Experience with Solar on DESC Clear as a Bell – April 3, 2022

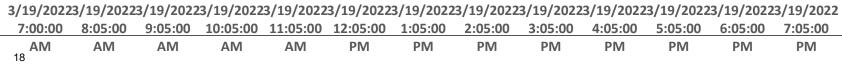






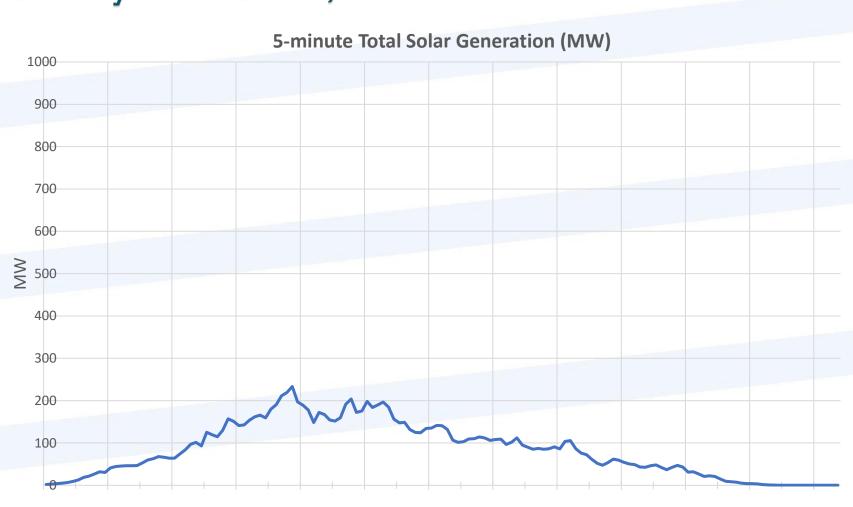
Experience with Solar on DESC Highly Variable – March 19, 2022

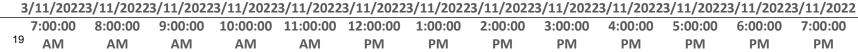






Experience with Solar on DESC Cloudy – March 19, 2022







Experience with Solar on DESC Sunny – FEB Max – 33.2% CF - February 16, 2022

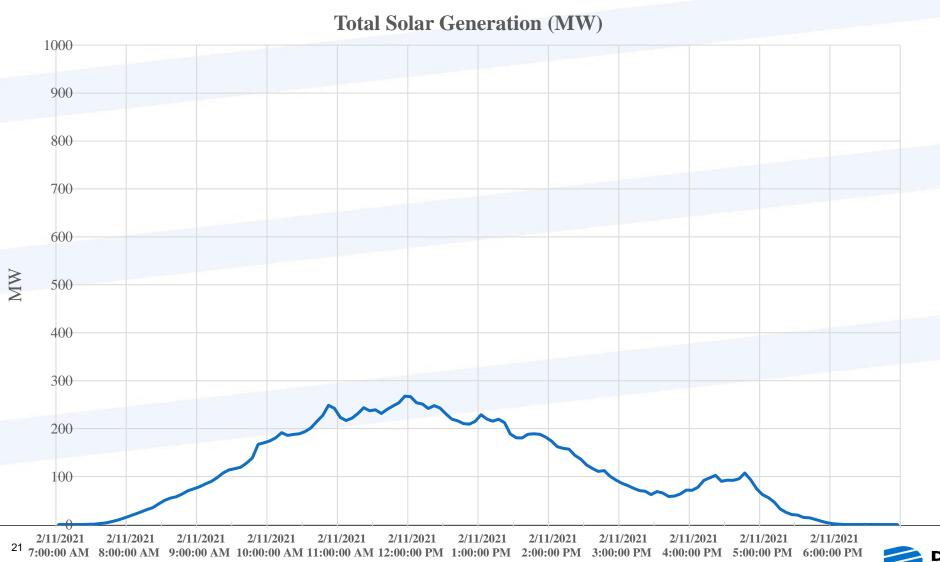




2/16/2021 2/16/2



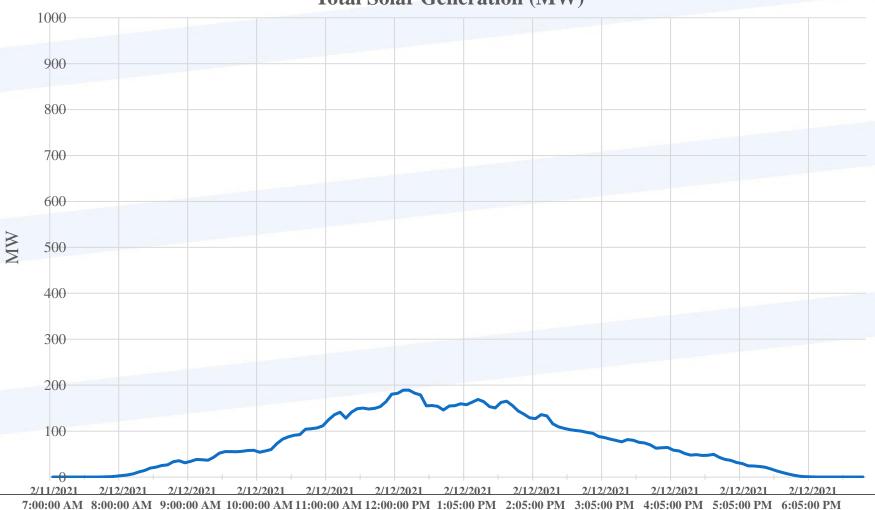
Very Low Solar Generation - 5 Straight Days February 11 - Capacity Factor 6.8% 1,360MWH





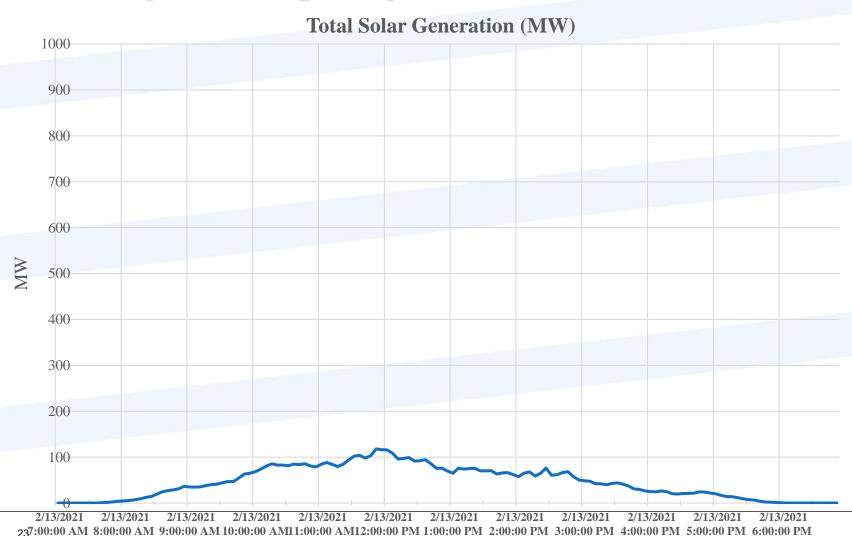
Very Low Solar Generation – 5 Straight Days February 12 – Capacity Factor 4.3% 866 MWH





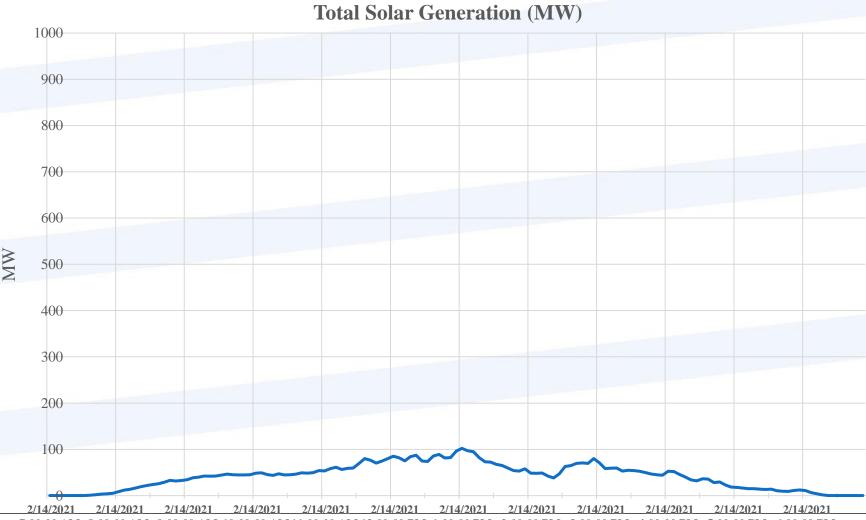


Very Low Solar Generation – 5 Straight Days February 13 – Capacity Factor 2.7% 536 MWH



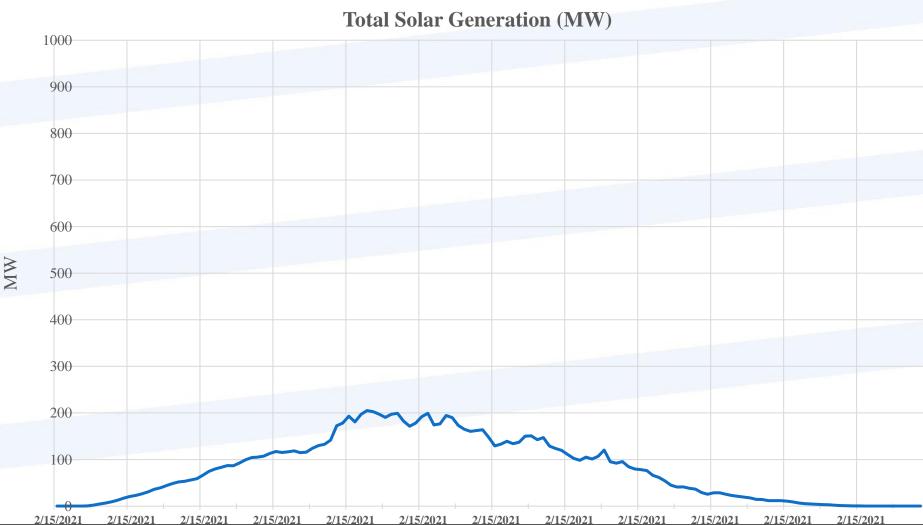


Very Low Solar Generation – 5 Straight Days February 14 – Capacity Factor 2.5% 498 MWH





Very Low Solar Generation – 5 Straight Days February 15 – Capacity Factor 4.7% 942 MWH





Thank you.





Questions





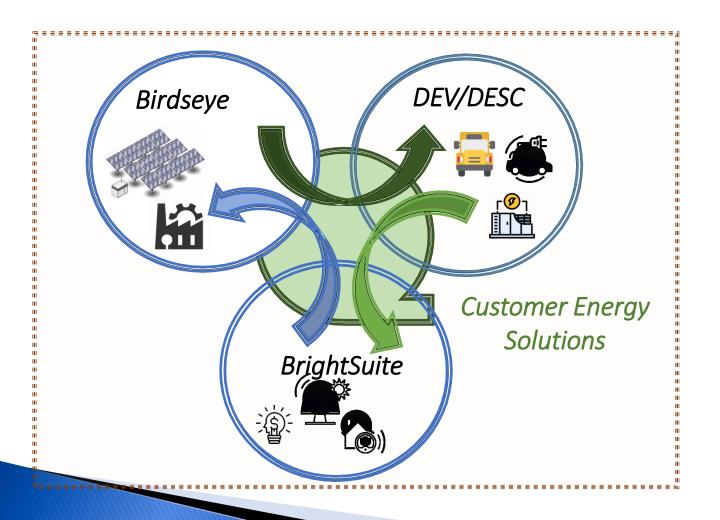




Dominion Energy South Carolina: New Business and Customer Solutions

New Business & Customer Solutions

Organize, Assess, Develop, Market, Deploy

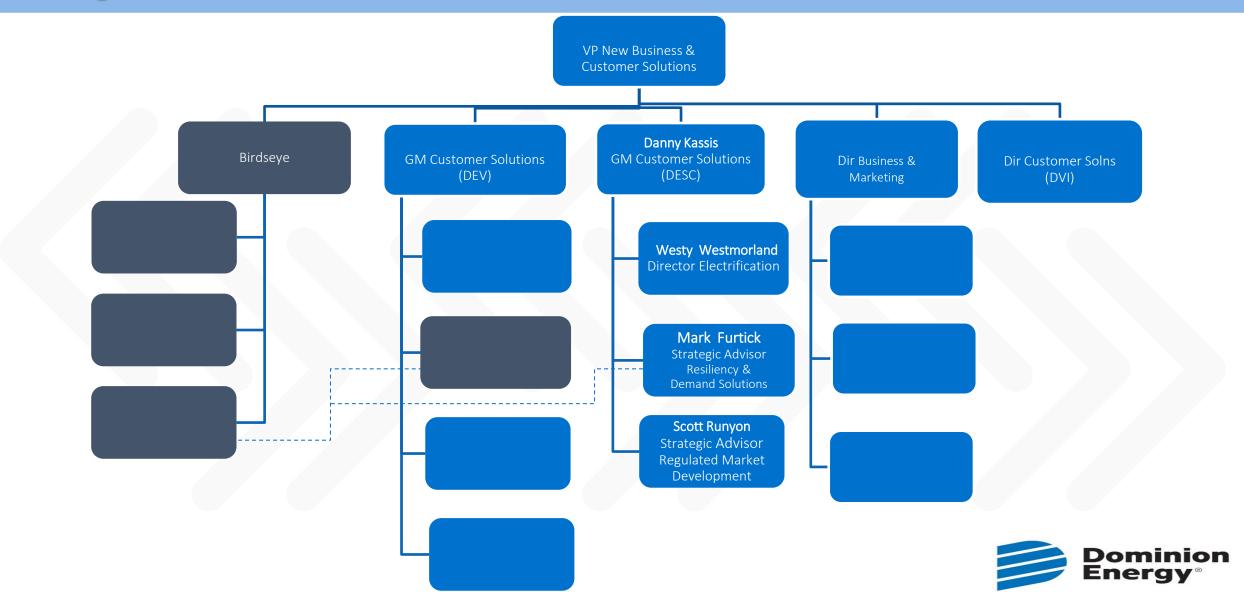


- Electrification
- BrightSuite
- Resiliency Solutions
- Birdseye Solutions
- · DVI



New Business and Customer Solutions

Regional Electric Focus



New Business and Customer Solutions Focal Areas

- Electrification
 - ✓ Electric School Bus (eSB) expansion
 - ✓ Charging as a Service (CaaS)
 - ✓ IIJA (eSB, Transit and Charging Network)
- Birdseye Solutions
 - ✓ Renewable Development
 - Sustainability "Suite" of solutions for dominant industrial verticals
 - ✓ ITC Targets
 - ✓ M&A on Early and Mid-Stage development
- BrightSuite
 - Residential Rooftop
 - Shared Solar
 - Localized Renewables for Jurisdictions/C&I
- Resiliency & Demand Solutions
 - ✓ C&I Energy Storage
 - Nano Grid
 - Rooftop alternative program

WESTY WESTMORELAND

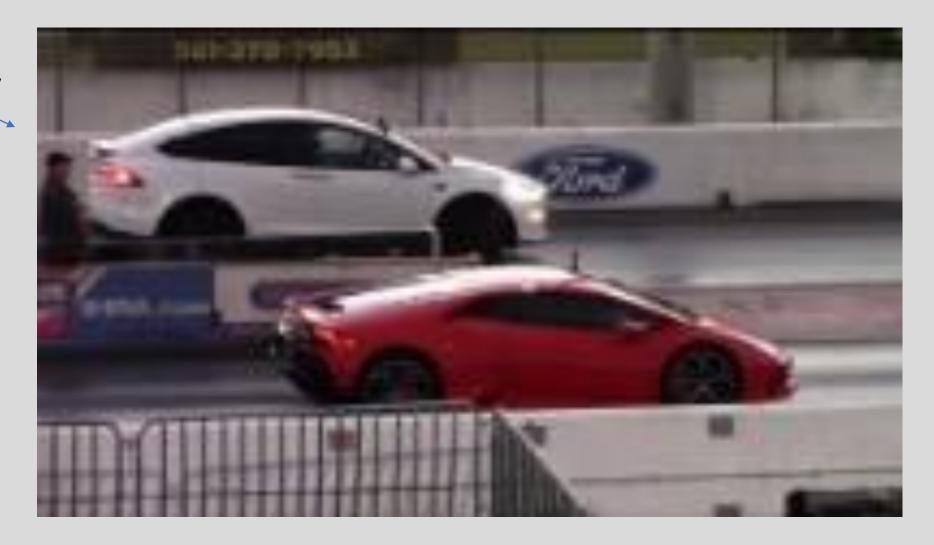
Westy.westmoreland@dominionenergy.com Director — Electrification

31 Years - Dominion Energy South Carolina and SCE&G

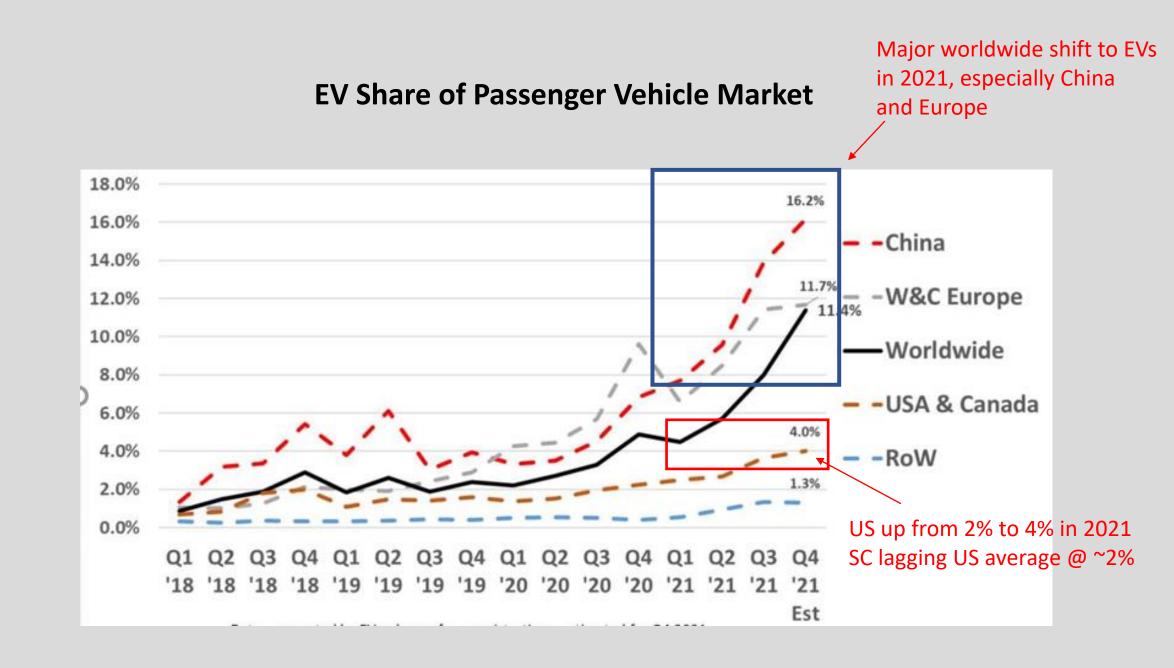
Clemson University
Mechanical Engineering '90

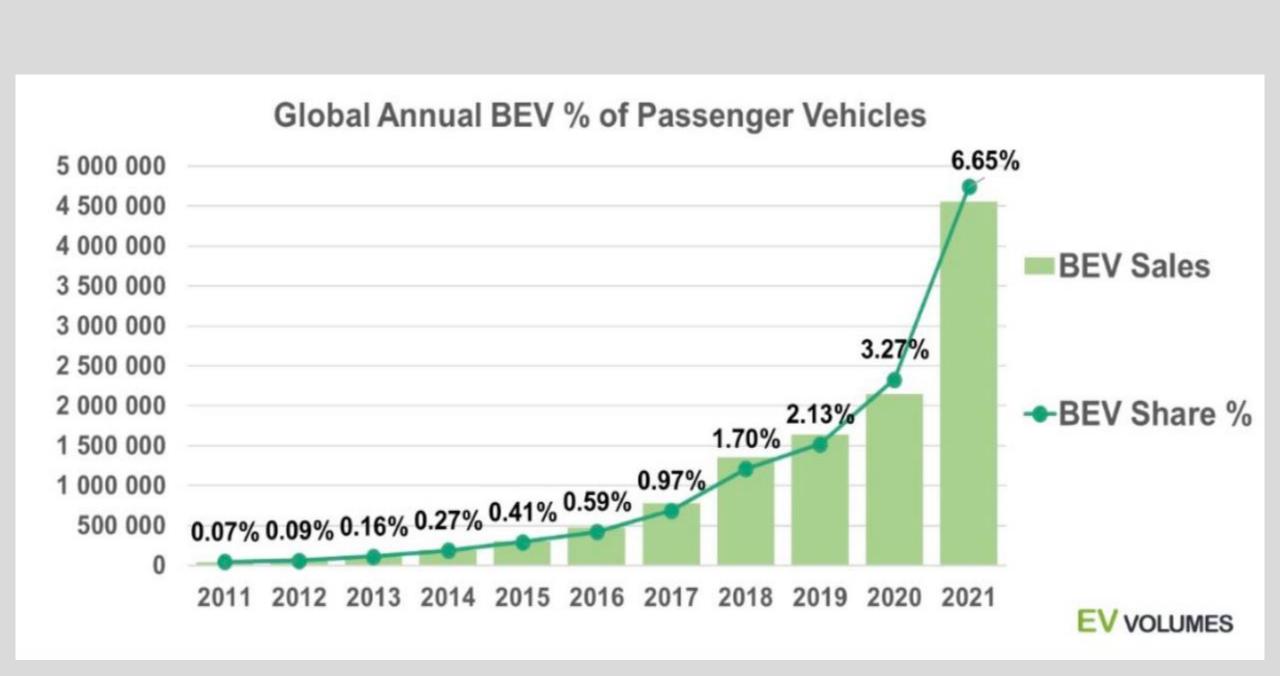


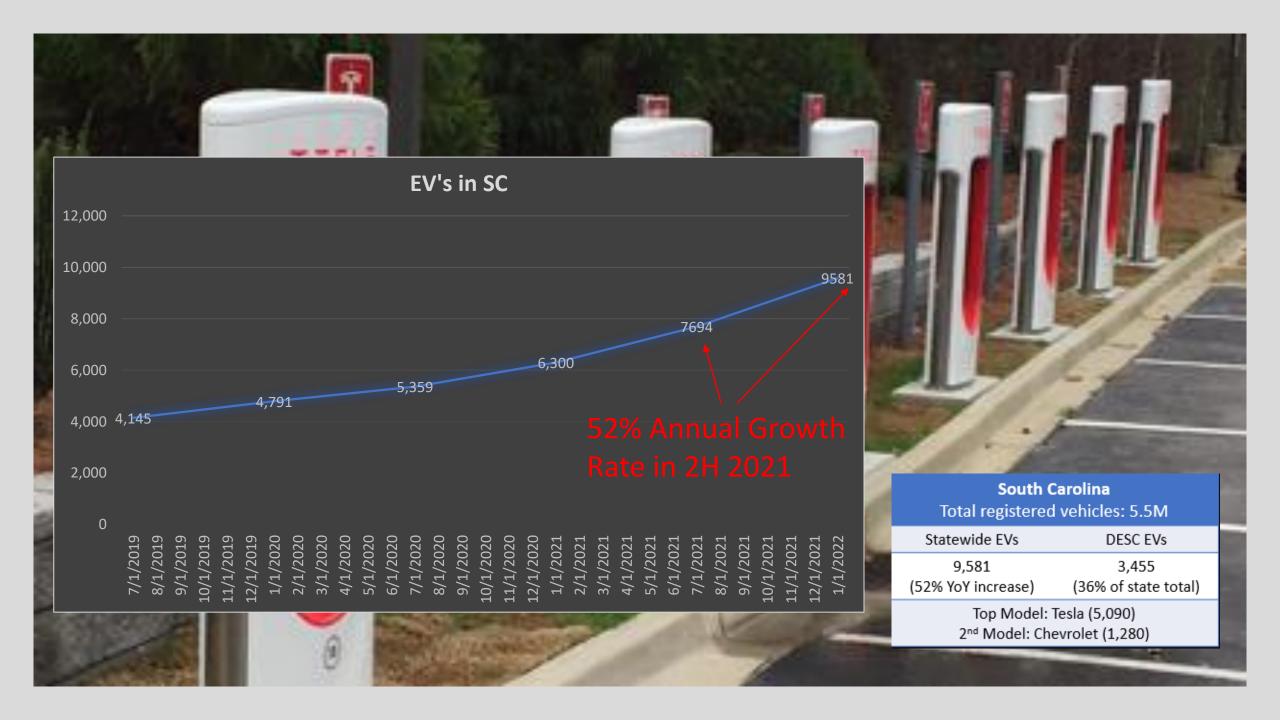
Soccer Mom SUV



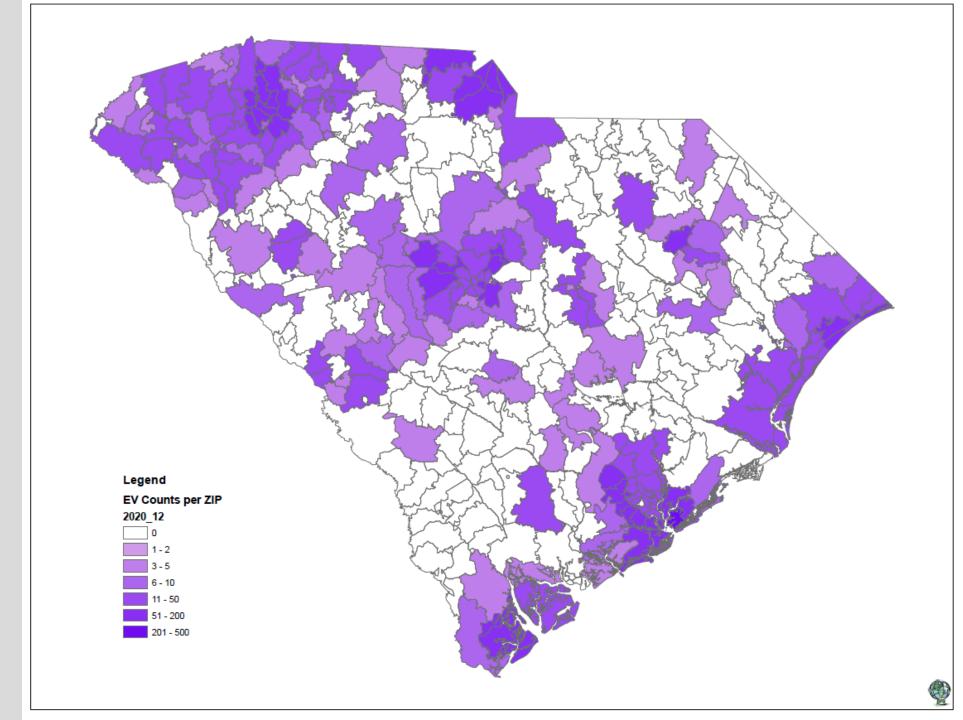
Are Electric Vehicles glorified Golf Carts? Not so much.



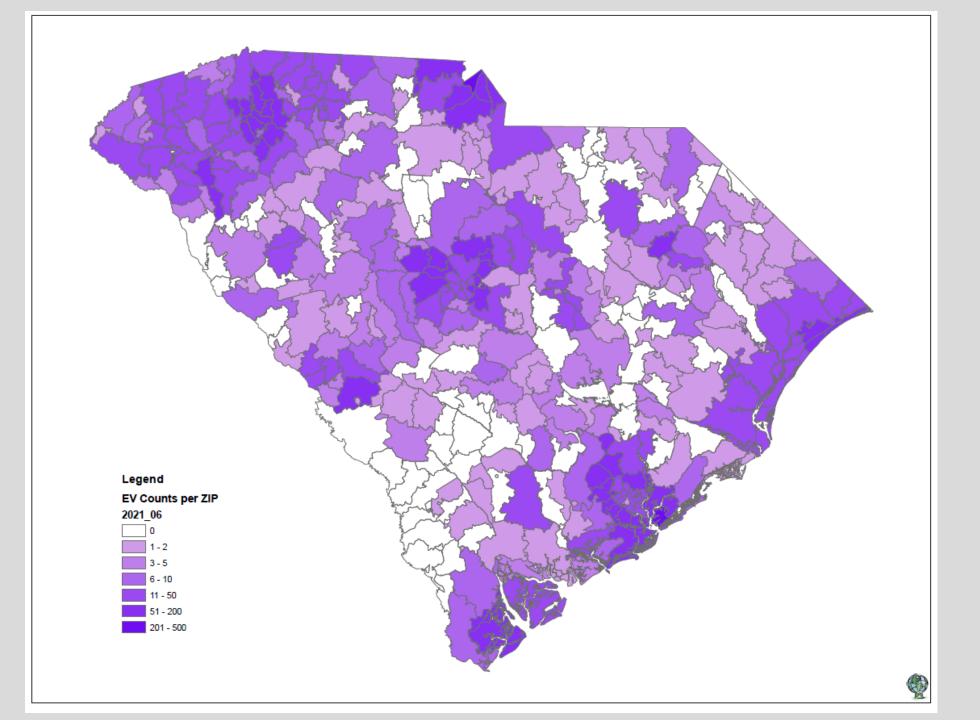




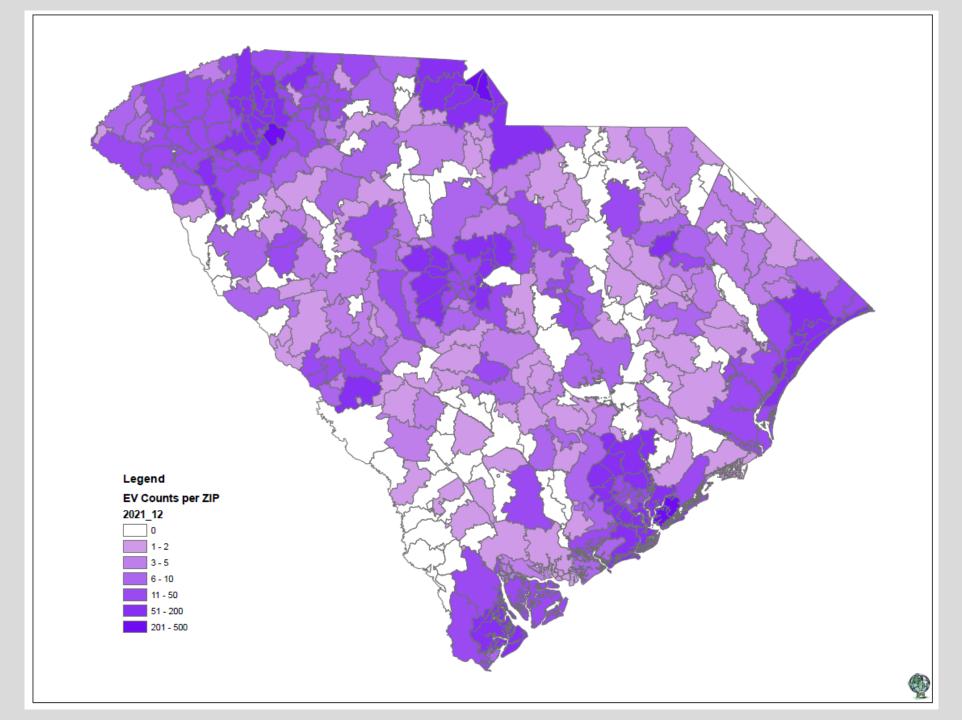
EV volumes by area YE 2020



EV volumes by area MY 2021



EV volumes by area YE 2021



Fuel Costs

ICE passenger vehicle 30 mpg \$3.50 per gallon = \$0.14 per mile

EV passenger 4 miles per kwh \$0.12/kwh = \$.03 per mile

19º lo Fuel Sav

Maintenance Costs

EV maintenance 50% savings as compared to ICE vehicles – CATBus Director (Clemson)

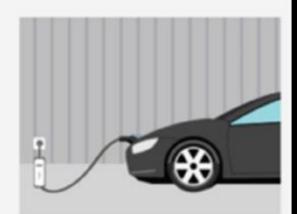
Regenerative Brakes so at least 50% savings on Brake Pads 90% less moving parts
No fluids to change except Windshield wiper

Environmental

BEV has no exhaust so Zero tailpipe emissions and greater air quality Carbon emission crosser point of EV compared to ICE is 6,500 miles DESC generation mix is Nuclear, Hydro, Natural Gas, Solar, and Coal Idling not an issue with EV's

EV Charging Options

Level 1



VOLTAGE:

120V 1-Phase AC

AMPS:

12-16 Amps

CHARGING LOAD:

1.4-1.9 kW

CHARGING TIME:

3-5 Miles per Hour

Level 2



VOLTAGE:

208V or 240 V 1-Phase AC

AMPS:

12-80 Amps (Typ. 32 Amps)

CHARGING LOAD:

2.5-19.2 kW (Typ. 6.6 kW)

CHARGING TIME:

12-60 Miles per Hour

DC Fast Charge



VOLTAGE:

208V or 480V 3-Phase AC

AMPS:

>100 Amps

CHARGING LOAD:

50-350 kW

CHARGING TIME:

65-300 miles in 20 minutes

EV Charging Level 2: 30 miles added/hour

240 V – 1^{\phi} 7.6 KW AC





Level 3: (Fast) 480 V − 3[†] DC



Speed	Range Added in 15 Min Charge
50-75kW	42 Miles
150-175kW	125 Miles
250kW	210 Miles
350kW	290 Miles
500kW	415 Miles

What We Are Doing Now

Provide Infrastructure Service, Support and Education for Customers



DCFC: Level 3 Fast Charging

15 Station locations (78 Ports)

8 Tesla (4 more by YE '22)

2 Electrify America

2 EVGo

1 Sphinx

1 SC State Park

Charging Power Range:

50 KW to 350 KW per port



Heavy Duty (Transit)

Charleston Area Rapid Transit Authority (CARTA)

In Service

6 Proterra buses

7 New Flyer buses

On site and in service June 2022

20 Proterra buses

Current total: 33 buses

Power Output Range:

Up to 125 KW per port (power sharing)

3 MW Connected Capacity

Commercial and Residential

- Created EV charging as service agreement to provide turn-key charging solution for customers with greatest need (multi-family and workplace)
- Dedicated Account Representative to assist customers with Level 2 & 3 EVSE deployments and address
 SF residential questions



What we know so far on Federal Infrastructure Jobs Act IIJA Bill (EV Charging)

\$70 Million for State of SC Charging Infrastructure (SCDOT)
Opportunity to submit for part of \$2.5 Billion additional dollars
Funding available to Transit and School Bus Agencies for electrification

SC funding will be coordinated through SCDOT

Additional Details on Infrastructure Funding will be provided by Federal Government in Mid February for each state Must engage with the utility sector from the beginning

Michael Berube, Deputy Assistant Secretary for Sustainable Transportation in DOE's Office of Energy Efficiency and Renewable Energy

- Infrastructure (EVSE)
 - Utility and Non-Utility deployment of L2 & L3 EVSE
 - Efficient use of Federal Infrastructure Bill Funding
- Infrastructure (Grid Modernization)
 - Affordable, reliable and renewable electricity for transportation
- Incentives and Education
- SC EV Stakeholder Initiative/Joint Committee/PSC Docket









Infrastructure (EVSE)



Charging as a Service

DESC makes providing EV charging at your site hassle-free
A customer *option to* owning/installing/maintaining charging stations
at multi-unit dwellings, workplace and public places

DESC Charging as a Service program features:

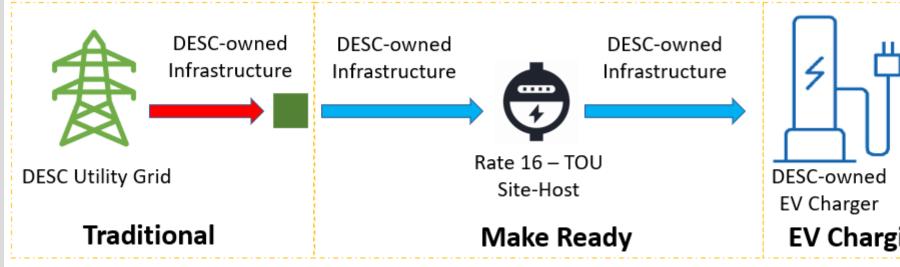
- Design . Install . Operate . Maintain .
- -- Flat Monthly Facility and Metered Energy Charge

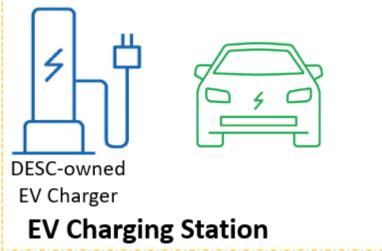


DESC processes and credits revenue to Site-Host DE Account



Site-Host Sets Session Fee
EV Owner Pays with App/Card





Currently in review



Charging
Workplace
MUD
Retail
Public







NYC orders nearly 200 Mustang Mach-Es for police and first

responders







NYC Refuse Truck

Ford Mustang Mach-E passes Mich. State Police test — the 1st all-electric vehicle to do so



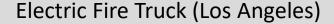


First electric police car in W.Va. begins patrols

Cary debuts electric Tesla Model Y patrol cars

Westport, Conn











Electric Off-Road Vehicles



Kion (Linde) Summerville, SC



Ferry Boats





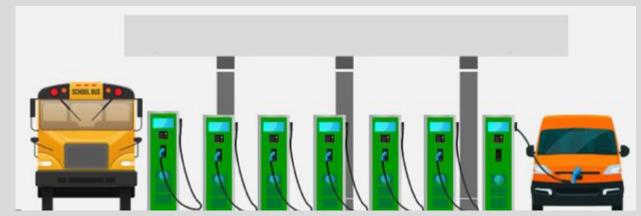
Electric Locomotive





Smart (Managed) Charging and Advisory Services

- Smart chargers encourage off-peak charging through price signals. Utilities can encourage cheaper
 off-peak charging by enrolling customers who receive rebates on smart chargers into time-varying rate schedules
- Medium and large fleets need an advisory service and software company to manage to manage performance,
 optimize rate tariff cost efficiency and minimize grid impacts. There are many companies offering these services
- Utilities are equipped to calculate the energy needs and costs associated with EVs and have an
 understanding of potential grid impacts and tariffs. They can play a significant role in advising fleet customers
 and working with advisory service companies on customer's electrification options.





Thank You





Questions





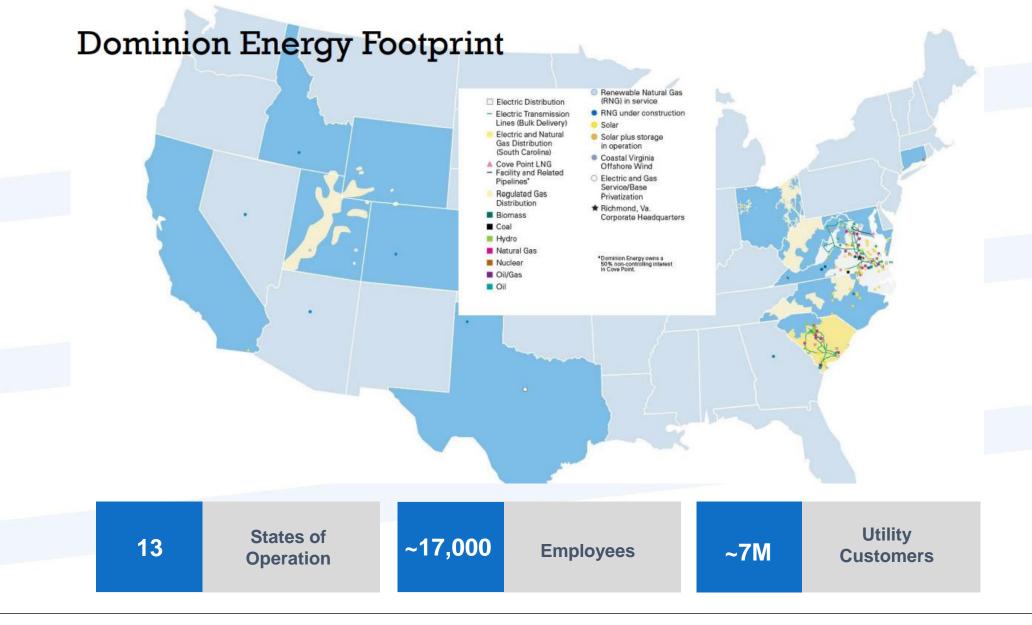




Agenda

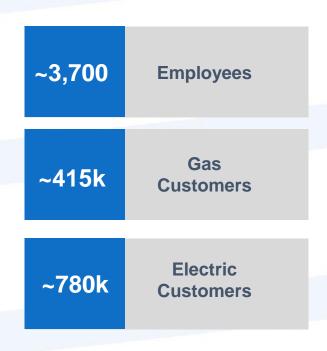
- 1. Company Overview Information
- 2. Electric Generation Fuel
- 3. Purchased Gas Adjustment

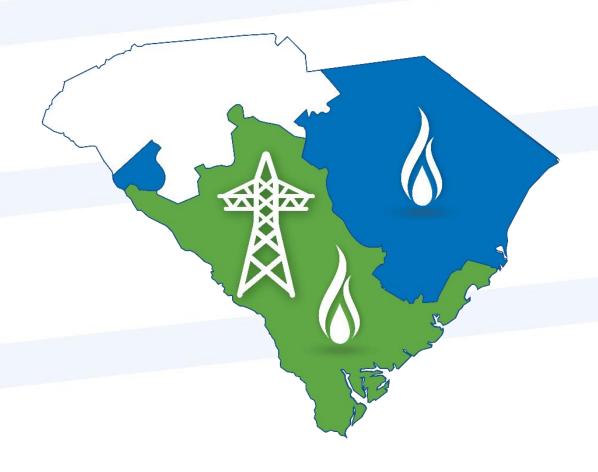






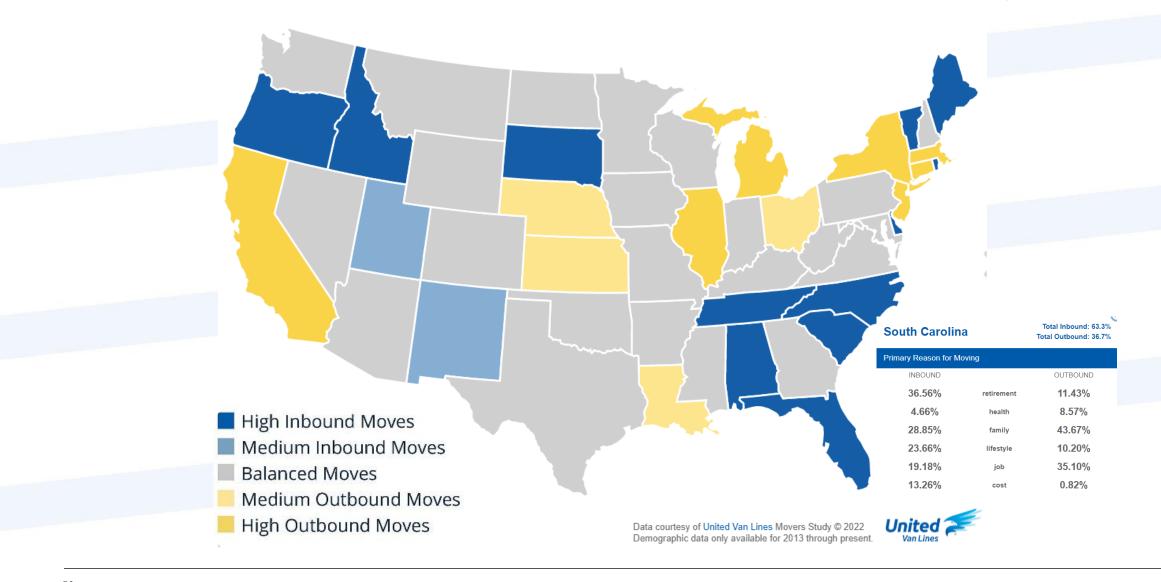
Dominion Energy South Carolina





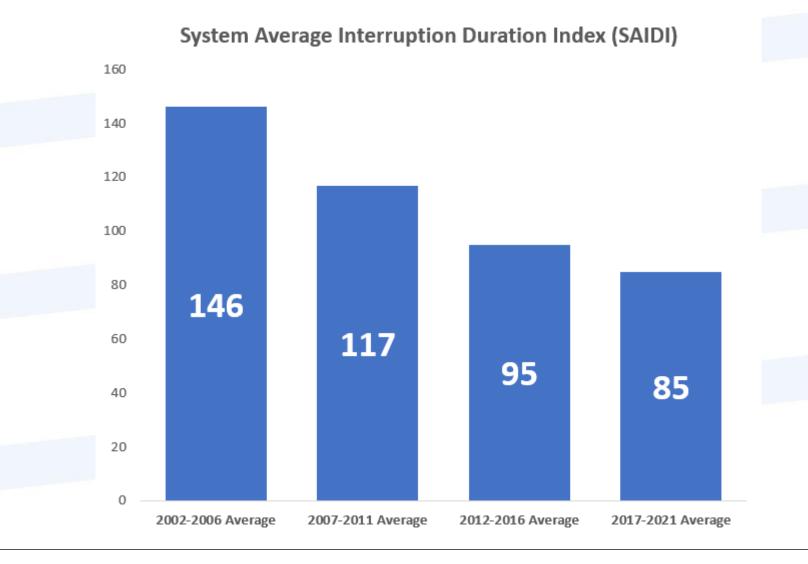


2021 United Van Lines' National Movers Study



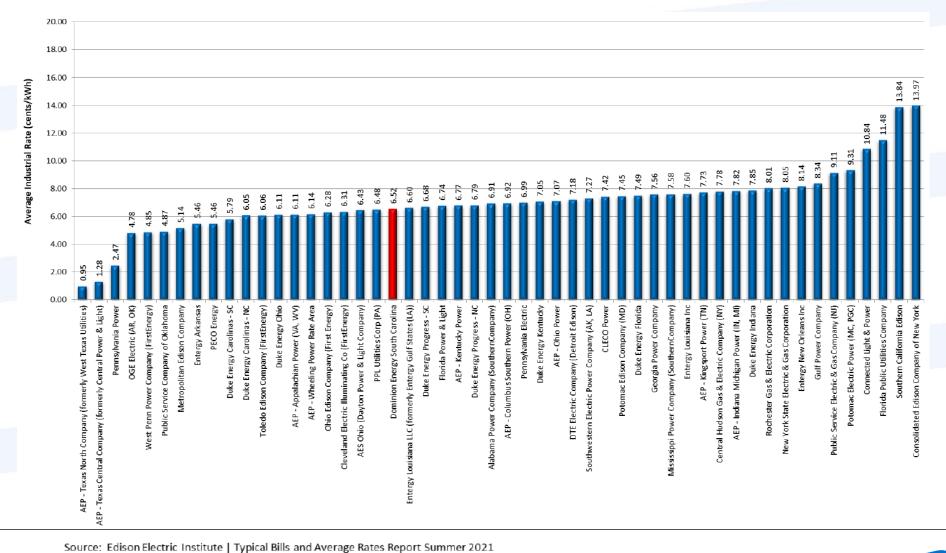


DESC Outage Statistics





Edison Electric Institute – Summer 2021





Electric Generation Fuel



Fuel Hearing Mechanics

- Annual proceeding in April to review Purchase and Transportation costs of fuel to produce electricity.
- Both a Lookback for Over/Under Recovery as well as a Forecast of Future Expenses.
- Costs are Direct Pass-Throughs to customers,
 Without Mark-up or Profit.
- Diverse Generation Fleet helps Mitigate fuel commodity swings and Ensure reliability year-round.
- New rates effective each May.



Typical Fuel Factor Drivers

- Fuel Costs including Coal, Natural Gas, Uranium and Fuel Oil.
- Plant Outages, such as Nuclear Refueling every 18 months.
- Purchases including Mandatory Solar PPAs and Off System as needed.

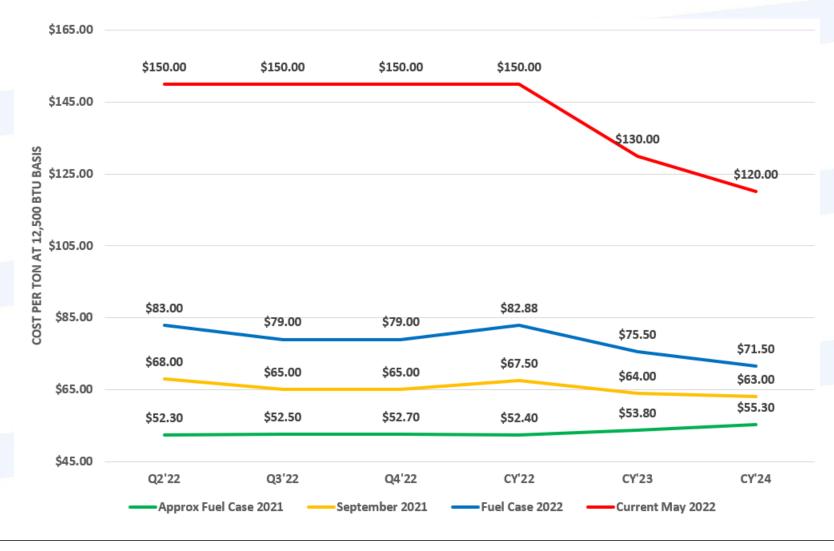


2022 Fuel Hearing Major Impacts

- DESC Total Base Fuel Cost for calendar year 2020 = ~\$480M
- DESC Total Base Fuel Cost for calendar year 2021 = ~\$720M
- April 2022 Fuel Forecasted to be ~\$142M Under-Collected.
- One-Time Offsets Totaling ~\$68M Accelerated outside of a General Base Rate Case:
 - -\$61.4M in Remaining New Nuclear Mechanics Liens
 - \$4.6M in Westinghouse New Nuclear Reimbursements
 - \$1.8M in Variable Integration Solar Charges

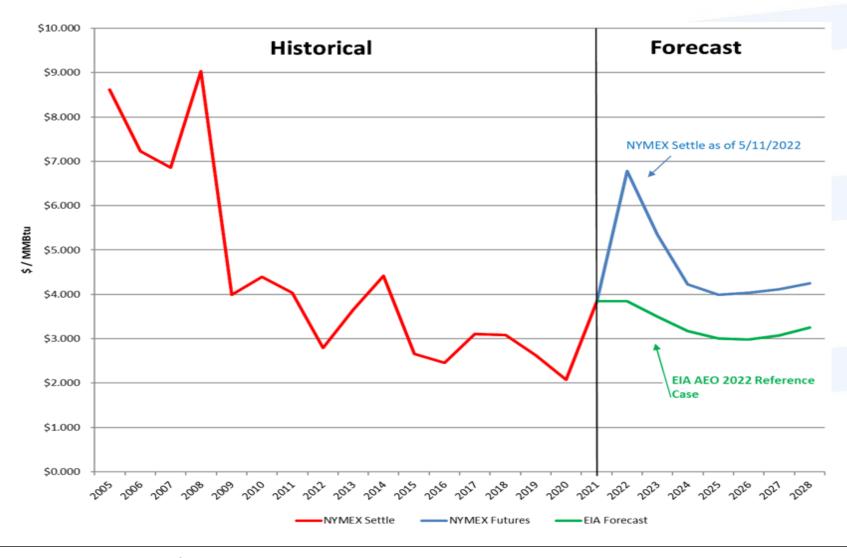


Market Coal Cost Comparison



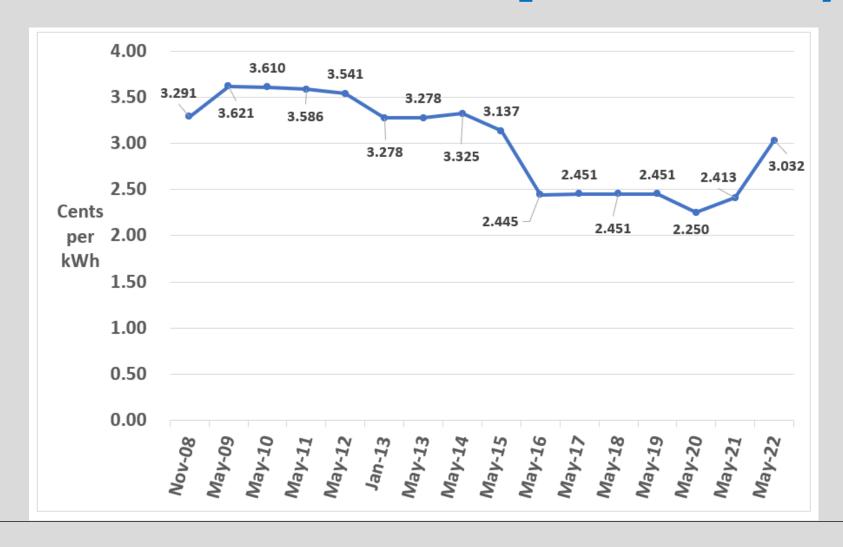


Annual Average Natural Gas Prices





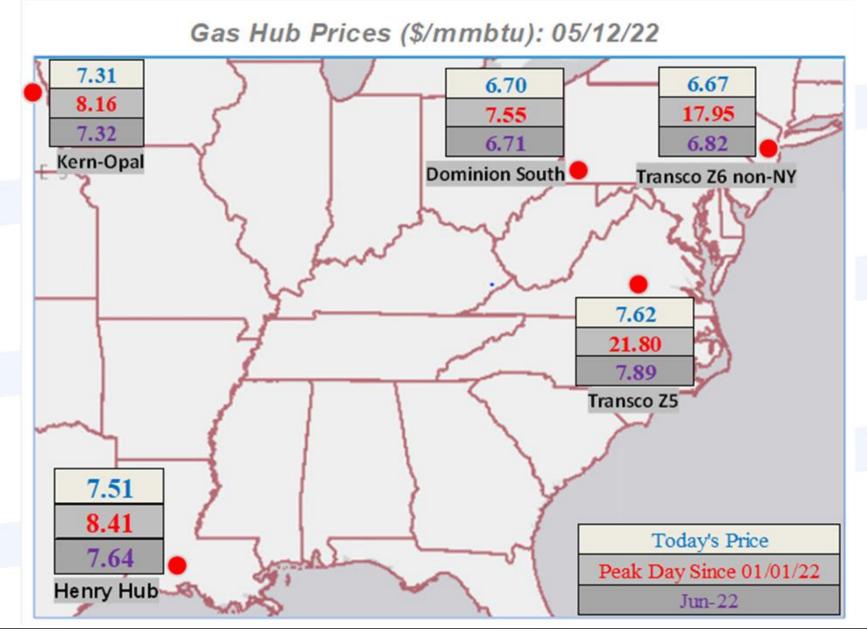
DESC Base Fuel Component History





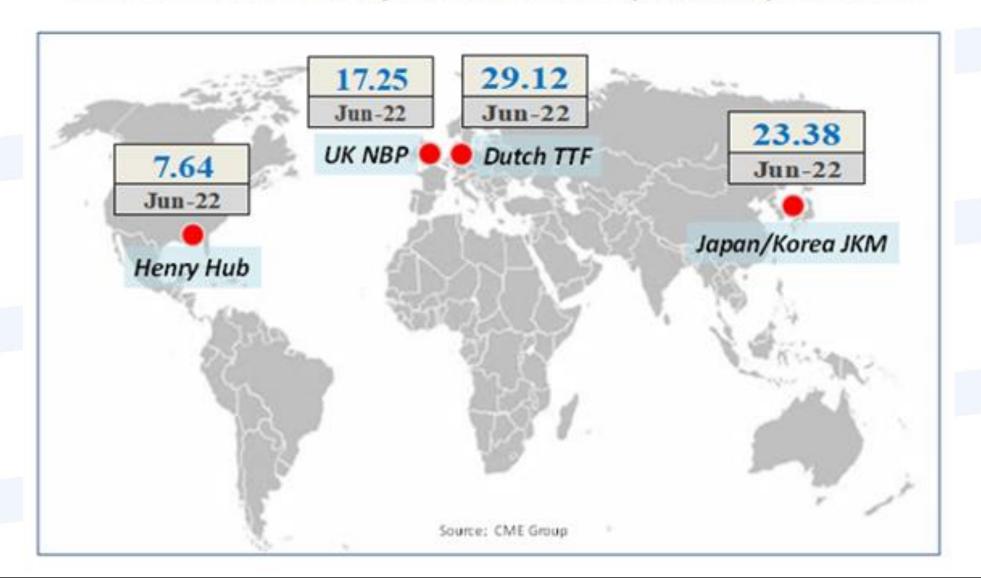
Purchased Gas Adjustment





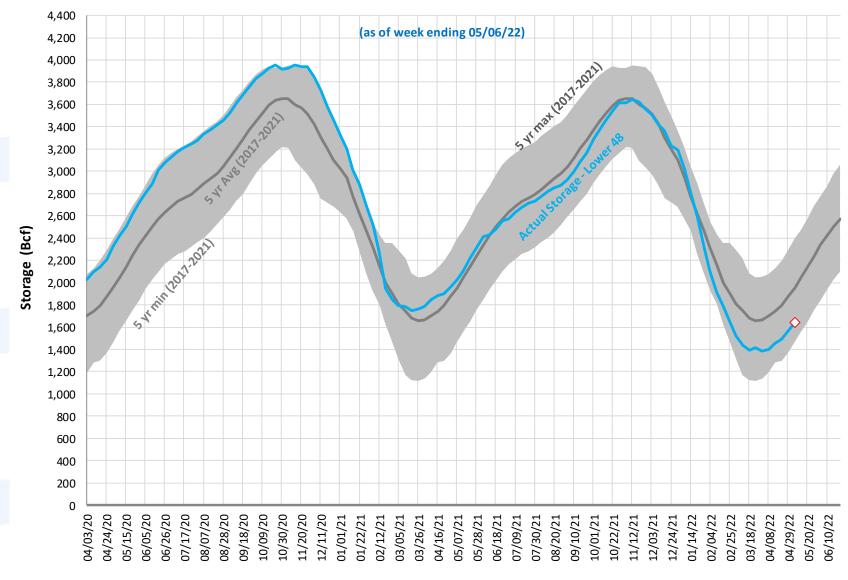


Global Gas Hub Prompt Month Prices (\$/mmbtu): 05/11/22





US Natural Gas Storage (lower 48)









Monthly Bills based on Average Annual Usage

	November 2005	May 2022	17 Year Change	
Residential (Rates 32S, 32V)	\$70.09	\$70.08	-\$0.01	0%
Commercial (Rates 31,33)	\$573.08	\$504.16	-\$68.92	-12%
Industrial (Rates 34,35)	\$11,021.93	\$10,589.69	-\$432.24	-4%
•				
	May 2021	May 2022	l Year Change	
Residential (Rates 32S, 32V)	\$56.55	\$70.08	\$13.53	24%
Commercial (Rates 31,33)	\$378.72	\$504.16	\$125.44	33%
Industrial (Rates 34,35)	\$7,752.30	\$10,589.69	\$2,837.39	37%



Thank you.





Questions



