

AUSLEY McMULLEN

ATTORNEYS AND COUNSELORS AT LAW

123 SOUTH CALHOUN STREET
P.O. BOX 391 (ZIP 32302)
TALLAHASSEE, FLORIDA 32301
(850) 224-9115 FAX (850) 222-7560

July 21, 2021

VIA: ELECTRONIC FILING

Mr. Adam J. Teitzman
Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

Re: Fuel and Purchased Power Cost Recovery Clause with Generating Performance
Incentive Factor; FPSC Docket No. 20210001-EI

Dear Mr. Teitzman:

Attached for filing in the above docket is Tampa Electric Company's Response to Staff's
First Data Request (Nos. 1-10), propounded on July 19, 2021.

Thank you for your assistance in connection with this matter.

Sincerely,



James D. Beasley

JDB/bmp
Attachment

cc: All Parties of Record (w/encl.)

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing Tampa Electric Company's responses to Staff's 1st Data Request (Nos. 1-10), have been furnished by electronic mail on this 21st day of July, 2021 to the following:

Ms. Suzanne Brownless
Office of the General Counsel
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850
sbrownle@psc.state.fl.us

Richard Gentry
Charles Rehwinkel
Patricia A. Christensen
Stephanie Morse
Anastacia Pirrello
Mary Wessling
Office of Public Counsel
111 West Madison Street, Room 812
Tallahassee, FL 32399-1400
gentry.richard@leg.state.fl.us
rehwinkel.charles@leg.state.fl.us
christensen.patty@leg.state.fl.us
morse.stephanie@leg.state.fl.us
pirrello.anastacia@leg.state.fl.us
wessling.mary@leg.state.fl.us

Ms. Dianne M. Triplett
Duke Energy Florida
299 First Avenue North
St. Petersburg, FL 33701
Dianne.triplett@duke-energy.com
FLRegulatoryLegal@duke-energy.com

Mr. Matthew R. Bernier
Mr. Robert Pickles
Senior Counsel
Duke Energy Florida
106 East College Avenue, Suite 800
Tallahassee, FL 32301-7740
Matthew.bernier@duke-energy.com

Ms. Beth Keating
Gunster, Yoakley & Stewart, P.A.
215 S. Monroe St., Suite 601
Tallahassee, FL 32301
bkeating@gunster.com

Maria Moncada
David M. Lee
Florida Power & Light Company
700 Universe Boulevard
Juno Beach, FL 33408-0420
maria.moncada@fpl.com
david.lee@fpl.com

Mr. Kenneth Hoffman
Vice President, Regulatory Relations
Florida Power & Light Company
215 South Monroe Street, Suite 810
Tallahassee, FL 32301-1859
ken.hoffman@fpl.com

Mr. Mike Cassel
Regulatory and Governmental Affairs
Florida Public Utilities Company
Florida Division of Chesapeake Utilities Corp.
1750 SW 14th Street, Suite 200
Fernandina Beach, FL 32034
mcassel@fpuc.com

Mr. Russell A. Badders
Vice President & Associate General Counsel
Gulf Power Company
One Energy Place
Pensacola FL 32520
russell.badders@nexteranergy.com

Mr. Jon C Moyle, Jr.
Moyle Law Firm
118 North Gadsden Street
Tallahassee, FL 32301
jmoyle@moylelaw.com

Mr. Peter J. Mattheis
Mr. Michael K. Lavanga
Stone Law Firm
1025 Thomas Jefferson St., NW
Suite 800 West
Washington, DC 20007-5201
pjm@smxblaw.com
mkl@smxblaw.com

Mr. James W. Brew
Ms. Laura W. Baker
Stone Mattheis Xenopoulos & Brew, PC
1025 Thomas Jefferson Street, NW
Eighth Floor, West Tower
Washington, D.C. 20007-5201
jbrew@smxblaw.com
lwb@smxblaw.com



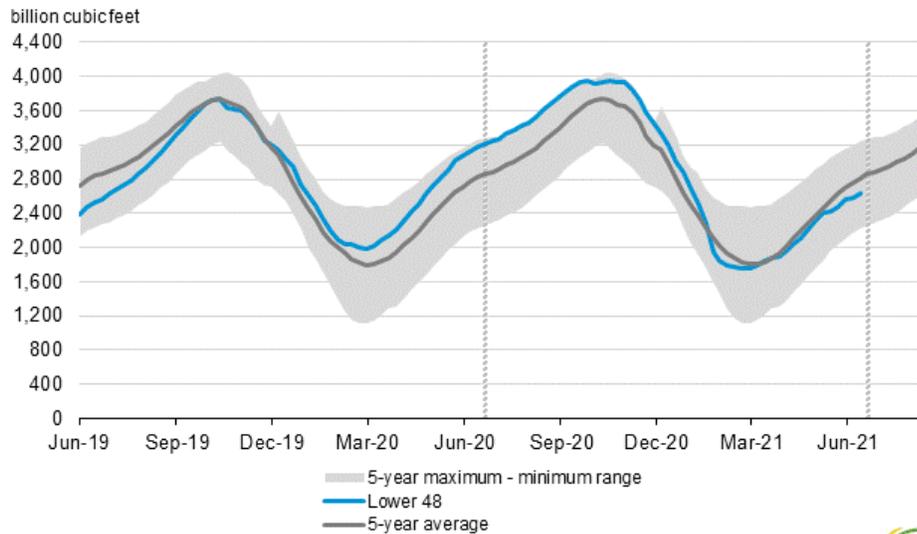
ATTORNEY

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20210001-EI
STAFF'S FIRST DATA REQUEST
REQUEST NO. 1
BATES PAGES: 1 - 4
FILED: JULY 21, 2021**

1. Please refer to Tampa Electric Company's (TECO or Company) "Petition for Mid-Course Correction of its Fuel Cost Recovery Factors and Capacity Cost Recovery Factors" (MCC Petition), dated July 19, 2021, filed in Docket No. 20210001-EI.
 - a. Please refer to Paragraphs 8 and 14. Please identify TECO's projected period-ending 2021 under-recovery percentages (fuel and capacity) alluded to in both these paragraphs.
 - b. Please refer to Paragraph 10. Please provide further support for the statement: [t]he drivers of this change are low natural gas storage levels, high demand for liquefied natural gas exports, and static production.
 - c. Please refer to Paragraph 11. Please generally discuss the updates that occurred to TECO's planned power purchases.
- A.**
 - a. Tampa Electric's projects an under-recovery of 12.3 percent for the fuel and purchased power clause and an under-recovery of approximately 444 percent for the capacity clause. The capacity clause variance is such a large percentage because the original projection contained only \$2.1 million in costs. Any material changes from that amount result in a large percentage change.
 - b. Natural gas storage has steadily declined. As of July 9, 2021, storage levels are 537 Bcf less than at this time in 2020. The table below displays the changes in natural gas storage from June 2019 through July 2021. As a result of the current low natural gas storage, there is an upward pressure on natural gas prices through Quarter 1 2022.

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20210001-EI
STAFF'S FIRST DATA REQUEST
REQUEST NO. 1
BATES PAGES: 1 - 4
FILED: JULY 21, 2021**

Working gas in underground storage compared with the 5-year maximum and minimum



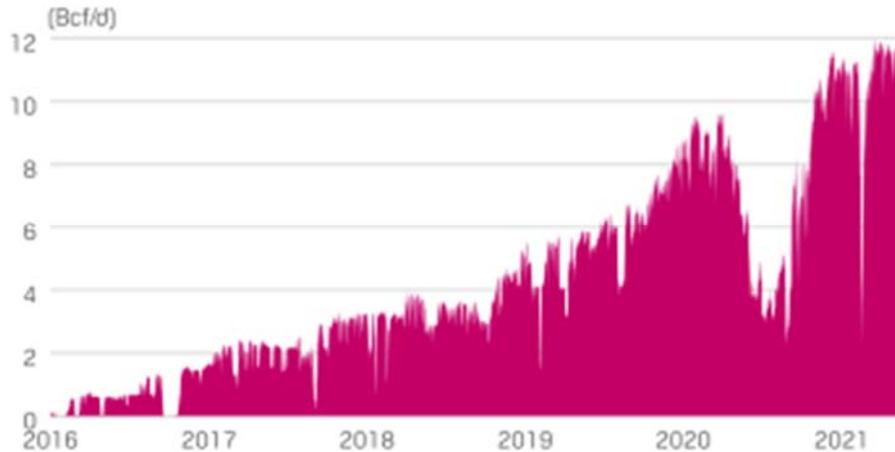
Source: U.S. Energy Information Administration



Note: The shaded area indicates the range between the historical minimum and maximum values for the weekly series from 2016 through 2020. The dashed vertical lines indicate current and year-ago weekly periods.

U.S. liquified natural gas (“LNG”) exports declined in the summer of 2020 as a result of the pandemic; however, LNG exports have quickly rebounded as the global economies recover. U.S. LNG exports in 2021, on average, have exceeded 10 Bcf/day on most days. As a result, the forward LNG markets support continued export strength. LNG exports are outpacing domestic production growth, lending support to higher natural gas prices. Please see the chart below for LNG export growth.

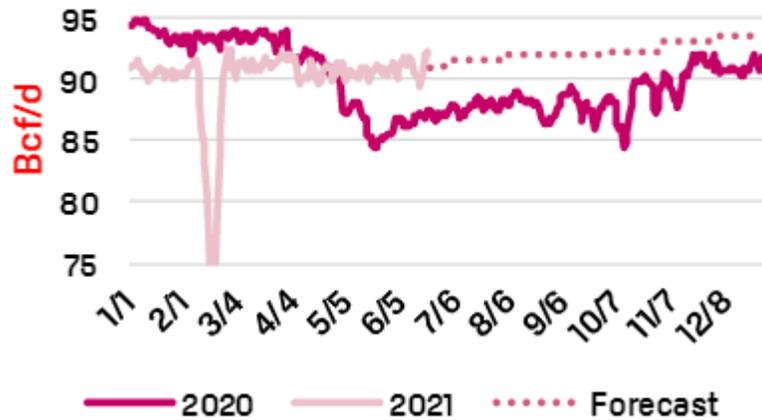
FEEDGAS DELIVERIES TO MAJOR US LIQUEFACTION FACILITIES



Source: S&P Global Platts Analytics

Lastly, the table below, from Platts US Gas Short-Term Forecast from June 21, 2021, reflects the static growth of U.S. natural gas production. U.S. natural gas production continued to be flat for the first half of 2021. Natural gas production is expected to increase later in 2021 and into 2022.

US Nat Gas Production



**TAMPA ELECTRIC COMPANY
DOCKET NO. 20210001-EI
STAFF'S FIRST DATA REQUEST
REQUEST NO. 1
BATES PAGES: 1 - 4
FILED: JULY 21, 2021**

- c. Tampa Electric always searches for purchase opportunities that benefit customers. Such benefits include reducing fuel cost and improving service reliability. As a result, the company executed three economic forward power purchase agreements during the first quarter of 2021, after the 2021 Fuel and Purchased Power and Capacity factors were approved. These purchases were included in the Petition for Mid-Course Correction of Fuel Cost Recovery and Capacity Cost Recovery Factors filed on July 19, 2021. Two of the power purchases are from Florida Power & Light (“FPL”), totaling 150 MW each. The first purchase covers the period March through November 2021 and the second purchase is for the period April through October 2021. The purchases are non-firm, must-take energy products. These purchases also require transmission which resulted in an increase in Tampa Electric’s capacity costs. The third purchase is from Duke Energy Florida (“DEF”) and is for non-firm energy up to 515 MW. The purchase is for the period March 2021 through November 2021 and does not include a must-take obligation. Tampa Electric has the option to call on the DEF purchase on a month-ahead basis and elected to receive energy from in June, July, and has exercised its option to receive energy in August. The company also anticipates utilizing the DEF option for energy in September and October and included those costs in the mid-course projected fuel costs.

Although Tampa Electric has not secured additional forward purchases at this time, the company, as noted previously, is always open to review purchases that benefit customers and will evaluate each purchase opportunity as it materializes.

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20210001-EI
STAFF'S FIRST DATA REQUEST
REQUEST NO. 2
BATES PAGE: 5
FILED: JULY 21, 2021**

- 2.** Please specify the exact ranges/beginning and ending dates of TECO's August, September, October, and November 2021 billing cycles.
 - A.** August beginning date: cycle 1 bills on 8/2/2021; ending date 9/2/2021
September beginning date: cycle 1 bills on 9/1/2021; ending date 10/1/2021
October beginning date: cycle 1 bills on 10/1/2021; ending date 11/2/2021
November beginning date: cycle 1 bills on 11/1/2021; ending date 12/2/2021
December beginning date: cycle 1 bills on 12/2/2021; ending date 1/4/2021

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20210001-EI
STAFF'S FIRST DATA REQUEST
REQUEST NO. 3
BATES PAGE: 6
FILED: JULY 21, 2021**

- 3.** Hypothetically, if the Florida Public Service Commission (FPSC) deems it appropriate, are there any technical or other limitations, including desirability of such from the Company's perspective, to implementing new fuel rates on a date that does not begin with the (exact) monthly-beginning billing date(s) identified in the response to question No. 2?

- A.** Yes, there are technical limitations with adjusting rates on a date that does not begin with cycle 1 bills for the month. It would be a change in process that would require significant time and effort to modify the billing process and test the change. In addition, if the change does not take effect on cycle 1 bills, the company is aware of two options for the customers who pay the current rates in the month of the rate change. The first option is not to charge them the new rates for that month. This would be unfair to other customers who would pay four months at the higher rates, instead of three months, as proposed, and it would increase the likelihood and amount of a 2021 end of period under-recovery. This scenario assumes that when bills change again in January, they are implemented with cycle 1 bills, as is typical. The second option would be to calculate a differential that would need to be applied to customer bills for the cycles prior to the effective date so that they effectively end up paying the new rates for the same number of months as all other customers. This would also require significant time and effort to create the adjustment and test it in the billing system. In this scenario, such customer bills for one of the months of the mid-course would be even higher than proposed, and the adjustment could be confusing to customers. Tampa Electric does not believe it is desirable to implement the mid-course fuel and capacity factors on a date other than the first cycle bills for the month.

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20210001-EI
STAFF'S FIRST DATA REQUEST
REQUEST NO. 4
BATES PAGE: 7
FILED: JULY 21, 2021**

- 4.** Please identify the exact date when the 2021 fuel factors, authorized by Order No. PSC-2020-0439-FOF-EI, began to be charged to customers.

- A.** The 2021 fuel factors, authorized by Order No. PSC-2020-0439-FOF-EI, have been charged to customers since the January 2021 cycle 1 billing date, January 4, 2021.

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20210001-EI
STAFF'S FIRST DATA REQUEST
REQUEST NO. 5
BATES PAGES: 8 - 12
FILED: JULY 21, 2021**

- 5.** Please refer to Exhibits A and B of the MCC Petition.
- a. Please provide updated Exhibits A and B contemplating an October effective date for new rates rather than the as-filed/proposed implementation of September 2021.
 - b. If desirable from TECO's perspective in terms mitigating the 2021 bill impact, please provide the aforementioned documents formulated on a recovery amount that is less than the full projected 2021 fuel under-recovery of \$73.7 million. Please also adjust the capacity under-recovery amount for inclusion into 2021 rates, if desirable. Please use an October effective date for this analysis.
- A.**
- a. Please see the MS Excel file "(BS 12) DR 5a_FINAL 2021 FuelSchedules Oct Midcourse.xlsx" and the following bill impact table.

The first table shows the residential bill impact for October versus September 2021 implementation for the fuel and capacity mid-course changes. However, Tampa Electric does not recommend implementation of this recovery method.

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20210001-EI
STAFF'S FIRST DATA REQUEST
REQUEST NO. 5
BATES PAGES: 8 - 12
FILED: JULY 21, 2021**

TAMPA ELECTRIC COMPANY RESIDENTIAL TYPICAL BILL January 2021 through December 2021			
(Dollars per 1000 kWh)			
	Current 2021	Proposed Sep-Dec '21	Alternative Oct-Dec '21
Customer Charge	\$ 15.05	\$ 15.05	\$ 15.05
Base Energy Charge	52.25	52.25	52.25
Fuel Cost Recovery	28.56	39.38	44.23
Capacity Cost Recovery	0.02	1.70	2.46
Environmental Cost Recovery	2.69	2.69	2.69
Energy Conservation	1.66	1.66	1.66
Storm Protection Plan	2.39	2.39	2.39
Gross Receipts Tax	2.63	2.95	3.10
Total	\$ 105.25	\$ 118.07	\$ 123.83
\$ Change from Current			\$ 5.76
CHANGE			
Customer Charge		\$ -	\$ -
Base Energy Charge		-	-
Fuel Cost Recovery		10.82	15.67
Capacity Cost Recovery		1.68	2.44
Environmental Cost Recovery		-	-
Energy Conservation		-	-
Storm Protection Plan		-	-
Gross Receipts Tax		0.32	0.47
Total		\$ 12.82	\$ 18.58
\$ Change between Scenarios		\$ -	\$ 5.76
Percent Increase/(Decrease) from Current		12.18%	15.74%

- b. From Tampa Electric's perspective, it is not desirable to delay recovery of the full 2021 fuel under-recovery. While delaying might temporarily mitigate the rate impact for the remainder of 2021, it would also increase the rate impact in 2022. Tampa Electric believes that rate impact mitigation would be more effectively achieved by considering both years, in which case collecting the 2021 fuel under-

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20210001-EI
STAFF'S FIRST DATA REQUEST
REQUEST NO. 5
BATES PAGES: 8 - 12
FILED: JULY 21, 2021**

recovery this year, before the impact of the company's proposed base rate increase takes effect in 2022, is a better method of mitigating the rate impact.

The following table demonstrates that the proposed mid-course correction period and amounts will result in a more gradual increase to customers and smaller total cumulative 2022 increase on the typical residential bill.

		(A)		(B)		(C)		(D)		(E)	
		Jan-Dec 2021	Jan-Dec '21	Sep-Dec '21	Proposed Jan-Dec '22	Jan-Dec '22	Jan-Dec 2021	Jan-Dec '22	Jan-Dec 2021	Jan-Dec '22	
TAMPA ELECTRIC COMPANY											
RESIDENTIAL TYPICAL BILL											
2021 through 2022											
(Dollars per 1000 kWh)											
Customer Charge	\$	15.05	15.05	-	21.70	15.05	21.70	15.05	21.70	\$	21.70
Base Energy Charge		52.25	52.25	-	66.00	52.25	66.00	52.25	66.00		66.00
Fuel Cost Recovery		28.56	39.38	10.82	28.56	28.56	28.56	28.56	30.34		30.34
Capacity Cost Recovery		0.02	1.70	1.68	0.02	0.02	0.02	0.02	0.66		0.66
Environmental Cost Recovery		2.69	2.69	-	2.69	2.69	2.69	2.69	2.69		2.69
Energy Conservation		1.66	1.66	-	1.66	1.66	1.66	1.66	1.66		1.66
Storm Protection Plan		2.39	2.39	-	2.39	2.39	2.39	2.39	2.39		2.39
Gross Receipts Tax		2.63	2.95	1.68	3.15	2.95	3.22	2.63	3.22		3.22
Total	\$	105.25	118.07	12.82	126.17	105.25	128.66	105.25	128.66	\$	23.41
\$ Change from Current				12.82%	8.10%						19.83%
CHANGE											
Customer Charge	\$	-	-	6.65	6.65	-	6.65	-	6.65	\$	6.65
Base Energy Charge		-	-	13.75	13.75	-	13.75	-	13.75		13.75
Fuel Cost Recovery		10.82	(10.82)	(10.82)	(10.82)	10.82	(10.82)	10.82	1.78		1.78
Capacity Cost Recovery		1.68	(1.68)	(1.68)	(1.68)	1.68	(1.68)	1.68	0.64		0.64
Environmental Cost Recovery		-	-	-	-	-	-	-	-		-
Energy Conservation		-	-	-	-	-	-	-	-		-
Storm Protection Plan		-	-	-	-	-	-	-	-		-
Gross Receipts Tax		0.32	0.20	0.20	0.20	0.32	0.59	0.32	0.59		0.59
Total	\$	12.82	8.10	20.92	8.10%	12.82%	23.41	12.82%	23.41	\$	23.41
\$ Cumulative Change in 2022											19.83%
Percent Increase/(Decrease) from Current											19.83%

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20210001-EI
STAFF'S FIRST DATA REQUEST
REQUEST NO. 5
BATES PAGES: 8 - 12
FILED: JULY 21, 2021**

In addition, the benefits of Tampa Electric's proposal include closer connections between those who have used the power during 2021 and those who will pay for the increase through the mid-course correction, reducing potential inter-generational (timing) inequities, better price signals to customers to decide how much power to use, as well as returning the final 2020 over-recovery fuel amount to customers more quickly.

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20210001-EI
STAFF'S FIRST DATA REQUEST
REQUEST NO. 6
BATES PAGES: 13 - 18
FILED: JULY 21, 2021**

6. Please refer to MCC Petition, Exhibit B, Schedule E-10. Please provide the bill impacts (fuel only) to typical (i.e., typical based on a conventional or average level of usage) industrial- and commercial-class (large and small) customers similarly to that performed for the residential class shown on this schedule. Please perform this analysis for the as-filed MCC Petition (Document No. 08085-2021), and for any response provided in response to Request No. 5.
- A. The requested bill impacts for other types of customers that match the scenario submitted in MCC Petition, Exhibit B, Schedule E-10 follow, with a September 2021 – December 2021 effective date for the mid-course corrections.

TAMPA ELECTRIC COMMERCIAL RATE SCHEDULE GS

Profile:				
Secondary Voltage				
Usage -kWh	1,000	1,000	5,000	5,000

**Commercial
Rate Schedule GS**

	Current Jan-Aug 2021	Mid-Course Sep-Dec 2021	Current Jan-Aug 2021	Mid-Course Sep-Dec 2021
Customer Charge	\$ 18.06	\$ 18.06	\$ 18.06	\$ 18.06
Base Energy Charge	54.96	54.96	274.78	274.78
Fuel Cost Recovery	31.67	42.55	158.35	212.75
Capacity Cost Recovery	0.02	1.50	0.10	7.50
Energy Conservation	2.69	2.69	13.45	13.45
Environmental Cost Recovery	1.61	1.61	8.05	8.05
Storm Protection Plan	2.51	2.51	12.55	12.55
Gross Receipts Tax	2.86	3.18	12.44	14.03
Total Bill	\$ 114.38	\$ 127.06	\$ 497.78	\$ 561.17

% Change to Current Bill	11.1%	12.7%
---------------------------------	-------	-------

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20210001-EI
STAFF'S FIRST DATA REQUEST
REQUEST NO. 6
BATES PAGES: 13 - 18
FILED: JULY 21, 2021**

TAMPA ELECTRIC COMMERCIAL RATE SCHEDULE GSD

Profile:				
Secondary Voltage				
Usage -kWh	236,000	236,000	438,000	438,000
Usage -kW	500	500	1,000	1,000

**Commercial
Rate Schedule GSD**

	Current Jan-Aug 2021	Mid-Course Sep-Dec 2021	Current Jan-Aug 2021	Mid-Course Sep-Dec 2021
Customer Charge	\$ 30.10	\$ 30.10	\$ 30.10	\$ 30.10
Base Energy Charge	3,750.04	3,750.04	6,959.82	6,959.82
Demand Rate	5,460.00	5,460.00	10,920.00	10,920.00
Energy Metering Level Disc.	0.00	0.00	0.00	0.00
Demand Metering Level Disc.	0.00	0.00	0.00	0.00
Transf. Ownership Disc.	0.00	0.00	0.00	0.00
Fuel Cost Recovery	7,474.12	10,041.80	13,871.46	18,636.90
Capacity Cost Recovery	5.00	260.00	10.00	520.00
Energy Conservation	300.00	300.00	600.00	600.00
Environmental Cost Recovery	625.40	625.40	1,160.70	1,160.70
Storm Protection Plan	360.00	360.00	720.00	720.00
Gross Receipts Tax	461.66	534.03	878.77	1014.04
Total Bill	\$ 18,466.32	\$ 21,361.37	\$ 35,150.85	\$ 40,561.56
Dollars/MWH	78.25	90.51	80.25	92.61
% Change to Current Bill		12.8%		15.4%

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20210001-EI
STAFF'S FIRST DATA REQUEST
REQUEST NO. 6
BATES PAGES: 13 - 18
FILED: JULY 21, 2021**

**TAMPA ELECTRIC COMMERCIAL / INDUSTRIAL
TIME OF DAY RATE SCHEDULE GSDT**

Profile:		
Secondary Voltage		
kWh (On-Peak)	56,448	56,448
kWh (Off-Peak)	145,152	145,152
Total kWh	201,600	201,600
Peak kW	400	400
Billing kW	400	400
Load Factor (%)	70%	70%

**Commercial / Industrial
Rate Schedule GSDT**

		Current	Mid-Course
		Jan-Aug 2021	Sep-Dec 2021
Customer Charge		\$ 30.10	\$ 30.10
Base Energy Charge	On-Pk	1,641.51	1,641.51
Base Energy Charge	Off-Pk	1,522.64	1,522.64
Demand Rate	Peak	2,856.00	2,856.00
Demand Rate	Billing	1,396.00	1,396.00
Fuel Cost Recovery	On-Pk	1,882.54	2,607.90
Fuel Cost Recovery	Off-Pk	4,492.45	5,949.78
Capacity Cost Recovery		4.00	208.00
Energy Conservation		240.00	240.00
Environmental Cost Recovery		534.24	534.24
Storm Protection Plan		288.00	288.00
Gross Receipts Tax		381.73	442.93
Total Bill		\$ 15,269.21	\$ 17,717.10
Dollars/MWH		\$ 75.74	\$ 87.88
% Change to Current Bill			16.0%

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20210001-EI
STAFF'S FIRST DATA REQUEST
REQUEST NO. 6
BATES PAGES: 13 - 18
FILED: JULY 21, 2021**

The requested bill impacts for customers that match the scenario requested in Data Request No. 5, an effective mid-course correction period of October 2021 through December 2021, follow.

TAMPA ELECTRIC COMPANY RESIDENTIAL TYPICAL BILL January 2021 through December 2021			
(Dollars per 1000 kWh)			
	Current 2021	Proposed Sep-Dec '21	Alternative Oct-Dec '21
Customer Charge	\$ 15.05	\$ 15.05	\$ 15.05
Base Energy Charge	52.25	52.25	52.25
Fuel Cost Recovery	28.56	39.38	44.23
Capacity Cost Recovery	0.02	1.70	2.46
Environmental Cost Recovery	2.69	2.69	2.69
Energy Conservation	1.66	1.66	1.66
Storm Protection Plan	2.39	2.39	2.39
Gross Receipts Tax	2.63	2.95	3.10
Total	\$ 105.25	\$ 118.07	\$ 123.83
\$ Change from Current			\$ 5.76
CHANGE			
Customer Charge		\$ -	\$ -
Base Energy Charge		-	-
Fuel Cost Recovery		10.82	15.67
Capacity Cost Recovery		1.68	2.44
Environmental Cost Recovery		-	-
Energy Conservation		-	-
Storm Protection Plan		-	-
Gross Receipts Tax		0.32	0.47
Total		\$ 12.82	\$ 18.58
\$ Change between Scenarios		\$ -	\$ 5.76
Percent Increase/(Decrease) from Current		12.18%	15.74%

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20210001-EI
STAFF'S FIRST DATA REQUEST
REQUEST NO. 6
BATES PAGES: 13 - 18
FILED: JULY 21, 2021**

TAMPA ELECTRIC COMMERCIAL RATE SCHEDULE GS

Profile:						
Secondary Voltage						
Usage -kWh	1,000	1,000	1,000	5,000	5,000	5,000

**Commercial
Rate Schedule GS**

	Current Jan-Aug 2021	Mid-Course Sep-Dec 2021	Mid-Course Oct-Dec 2021	Current Jan-Aug 2021	Mid-Course Sep-Dec 2021	Mid-Course Oct-Dec 2021
Customer Charge	\$ 18.06	\$ 18.06	\$ 18.06	\$ 18.06	\$ 18.06	\$ 18.06
Base Energy Charge	54.96	54.96	54.96	274.78	274.78	274.78
Fuel Cost Recovery	31.67	42.55	46.96	158.35	212.75	234.80
Capacity Cost Recovery	0.02	1.50	2.09	0.10	7.50	10.45
Energy Conservation	2.69	2.69	2.69	13.45	13.45	13.45
Environmental Cost Recovery	1.61	1.61	1.61	8.05	8.05	8.05
Storm Protection Plan	2.51	2.51	2.51	12.55	12.55	12.55
Gross Receipts Tax	2.86	3.18	3.30	12.44	14.03	14.67
Total Bill	\$ 114.38	\$ 127.06	\$ 132.18	\$ 497.78	\$ 561.17	\$ 586.81

% Change to Current Bill		11.1%	15.6%		12.7%	17.9%
---------------------------------	--	-------	-------	--	-------	-------

TAMPA ELECTRIC COMMERCIAL RATE SCHEDULE GSD

Profile:						
Secondary Voltage						
Usage -kWh	236,000	236,000	236,000	438,000	438,000	438,000
Usage -kW	500	500	500	1,000	1,000	1,000

**Commercial
Rate Schedule GSD**

	Current Jan-Aug 2021	Mid-Course Sep-Dec 2021	Alternative Oct-Dec 2021	Current Jan-Aug 2021	Mid-Course Sep-Dec 2021	Alternative Oct-Dec 2021
Customer Charge	\$ 30.10	\$ 30.10	\$ 30.10	\$ 30.10	\$ 30.10	\$ 30.10
Base Energy Charge	3,750.04	3,750.04	3,750.04	6,959.82	6,959.82	6,959.82
Demand Rate	5,460.00	5,460.00	5,460.00	10,920.00	10,920.00	10,920.00
Energy Metering Level Disc.	0.00	0.00	0.00	0.00	0.00	0.00
Demand Metering Level Disc.	0.00	0.00	0.00	0.00	0.00	0.00
Transf. Ownership Disc.	0.00	0.00	0.00	0.00	0.00	0.00
Fuel Cost Recovery	7,474.12	10,041.80	11,082.56	13,871.46	18,636.90	20,568.48
Capacity Cost Recovery	5.00	260.00	260.00	10.00	520.00	520.00
Energy Conservation	300.00	300.00	300.00	600.00	600.00	600.00
Environmental Cost Recovery	625.40	625.40	625.40	1,160.70	1,160.70	1,160.70
Storm Protection Plan	360.00	360.00	360.00	720.00	720.00	720.00
Gross Receipts Tax	461.66	534.03	560.72	878.77	1014.04	1063.57
Total Bill	\$ 18,466.32	\$ 21,361.37	\$ 22,428.82	\$ 35,150.85	\$ 40,561.56	\$ 42,542.67

Dollars/MWH	78.25	90.51	95.04	80.25	92.61	97.13
% Change to Current Bill		15.7%	21.5%		15.4%	21.0%

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20210001-EI
STAFF'S FIRST DATA REQUEST
REQUEST NO. 6
BATES PAGES: 13 - 18
FILED: JULY 21, 2021**

**TAMPA ELECTRIC COMMERCIAL / INDUSTRIAL
TIME OF DAY RATE SCHEDULE GSDT**

Profile:			
Secondary Voltage			
kWh (On-Peak)	56,448	56,448	56,448
kWh (Off-Peak)	145,152	145,152	145,152
Total kWh	201,600	201,600	201,600
Peak kW	400	400	400
Billing kW	400	400	400
Load Factor (%)	70%	70%	70%

**Commercial / Industrial
Rate Schedule GSDT**

		<u>Current</u>	<u>Mid-Course</u>	<u>Mid-Course</u>
		<u>Jan-Aug 2021</u>	<u>Sep-Dec 2021</u>	<u>Oct-Dec 2021</u>
Customer Charge		\$ 30.10	\$ 30.10	\$ 30.10
Base Energy Charge	On-Pk	1,641.51	1,641.51	1,641.51
Base Energy Charge	Off-Pk	1,522.64	1,522.64	1,522.64
Demand Rate	Peak	2,856.00	2,856.00	2,856.00
Demand Rate	Billing	1,396.00	1,396.00	1,396.00
Fuel Cost Recovery	On-Pk	1,882.54	2,607.90	2,877.72
Fuel Cost Recovery	Off-Pk	4,492.45	5,949.78	6,565.22
Capacity Cost Recovery		4.00	208.00	208.00
Energy Conservation		240.00	240.00	240.00
Environmental Cost Recovery		534.24	534.24	534.24
Storm Protection Plan		288.00	288.00	288.00
Gross Receipts Tax		381.73	442.93	465.63
Total Bill		\$ 15,269.21	\$ 17,717.10	\$ 18,625.06
Dollars/MWH		\$ 75.74	\$ 87.88	\$ 92.39
% Change to Current Bill			16.0%	22.0%

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20210001-EI
STAFF'S FIRST DATA REQUEST
REQUEST NO. 7
BATES PAGE: 19
FILED: JULY 21, 2021**

7. Due to the COVID-19 pandemic and associated economic effects, please discuss in general terms if the Company is currently experiencing increased service disconnections, late payments, non-payments, possible payment deferrals etc., over what it would consider typical for a similar timeframe in the recent past? If so, please generally discuss how possible customer-payment issues are currently affecting the Company's fuel-related revenue, if at all.
- A. In response to the pandemic, we are not seeing significant financial impacts compared to recent years; however, we continue to work with our customers on longer duration payment arrangements and helping them to obtain financial assistance, available through government and community organizations. We have not yet resumed normal pre-pandemic operation levels as we support our customers through the ongoing impacts the pandemic presents; however, the economy and our collection efforts are improving relative to last year.

The revenue projections are set according to the fuel costs incurred for the period plus true-up amounts relative to the fuel revenue collected. The customer arrangements mentioned above have not had a material effect on the calculation of the company's fuel revenue projections and true-up amounts.

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20210001-EI
STAFF'S FIRST DATA REQUEST
REQUEST NO. 8
BATES PAGE: 20
FILED: JULY 21, 2021**

8. Please describe the Company's anticipated process and timeline for notifying its customers of the proposed action it has requested through its MCC Petition. Please also provide copies of any notifications that were previously, or will be, provided to customers regarding the actions requested in the MCC Petition.

A. Bill "onserts" are planned for customer bills beginning with the cycle 1 August bills. To the extent that the onsert precedes the August 3rd agenda conference and a potential decision on Tampa Electric's petition, the onserts will describe the proposed mid-course factors and bill changes. Once the Commission issues a decision, Tampa Electric will replace the proposed-change onsert with one that describes the approved factors and bill changes, for the remaining August billing cycles. The company's request for a waiver of the 30-day notice requirement will accommodate these notification processes even if the new factors become effective in September 2021. The onserts for the 2021 mid-course are in development; however, previous onserts used, such as for the January 2021 factor changes, are available as examples here:

<https://www.tampaelectric.com/company/ourpowersystem/aboutyourrates/customercommunications/>

On Monday, July 19, 2021, the same day Tampa Electric submitted its request for the mid-course fuel and capacity changes, the company posted a news release on its website at:

<https://www.tampaelectric.com/company/mediacenter/article/index.cfm?article=1081>.

The onsert content also will be available on the company's website. Finally, the customer service professionals who handle calls are trained to respond to questions about the mid-course changes.

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20210001-EI
STAFF'S FIRST DATA REQUEST
REQUEST NO. 9
BATES PAGES: 21
FILED: JULY 21, 2021**

9. Please discuss whether the Company plans on instituting any different processes, procedures, and/or measures related to fuel cost and fuel revenue forecasting as a result of requiring a mid-course correction of its fuel-related charges. If so, please explain.
- A. No, the company is not considering any changes to its processes, procedures, or measures related to fuel cost and fuel revenue forecasting as a result of requiring a mid-course correction. The natural gas forward price curves are the most accurate method of forecasting projected gas prices in the near term. However, particularly when gas prices are low, as they have been in 2020 and during 2021 to date, even falling below \$3 per mmBtu, natural gas fired generation is more economic than most other options, and any natural gas price increase results in a large percentage variance in the cost of gas. The benefit of these low gas prices passes directly to customers through the fuel charge.

The company already uses natural gas storage to manage prices on a short-term basis, but storage cannot compensate for an extended run-up in natural gas prices. The current projected price increases are expected to continue through the end of 2021 and into 2022.

In addition, the volatility of natural gas prices cannot be mitigated while the company is prohibited from hedging natural gas prices through December 31, 2022, per its 2017 Settlement Agreement. The reasons for the price increases are described in the company's response to Staff's First Data Request No. 1.

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20210001-EI
STAFF'S FIRST DATA REQUEST
REQUEST NO. 10
BATES PAGES: 22 - 23
FILED: JULY 21, 2021**

- 10.** Please provide schedules detailing TECO's 2021 (system) natural gas fuel cost separated by fuel commodity and fuel transportation that is embedded in its current 2021 fuel rates, and an "actual/estimated" 12-month (2021) schedule underlying the MCC petition.

- A.** Please see the table below for the natural gas cost, separated by fuel commodity and fuel transportation that is included in Tampa Electric's MCC petition.

PROJECTED MARKET PRICE FOR NATURAL GAS SUPPLY AND TRANSPORTATION

Month	Original Projection		Mid-Course Projection		Natural Gas \$/mmbtu
	Natural Gas Supply (a) \$/mmbtu	Natural Gas Transportation (c) \$/mmbtu	Natural Gas Supply (b) \$/mmbtu	Natural Gas Transportation (c) \$/mmbtu	
Jan 2021	3.23	0.83	2.47	0.83	3.29
Feb 2021	3.18	0.83	2.76	0.83	3.59
Mar 2021	3.05	0.84	2.85	0.84	3.69
Apr 2021	2.76	0.83	2.59	0.83	3.41
May 2021	2.71	0.86	2.93	0.86	3.79
Jun 2021	2.74	0.85	2.98	0.85	3.84
Jul 2021	2.77	0.85	3.62	0.85	4.47
Aug 2021	2.78	0.85	3.65	0.85	4.50
Sep 2021	2.77	0.85	3.62	0.85	4.47
Oct 2021	2.79	0.88	3.62	0.88	4.49
Nov 2021	2.84	0.83	3.66	0.83	4.49
Dec 2021	2.97	0.82	3.75	0.82	4.57
Average	2.88	0.84	3.21	0.84	4.05

(a) Natural Gas Supply prices for Jan-Dec 2021 using the average of 5 NYMEX trading days ending 8/20/20 (commodity basis not included)
 (b) Natural Gas Supply prices for Jan-Dec 2021 using the average of 5 NYMEX trading days ending 7/2/21 (commodity basis not included)
 (c) Natural Gas Transportation is the average price of contracted firm gas transportation demand charges (variable pipeline charges, interruptible transport and distribution charges not included)

**TAMPA ELECTRIC COMPANY
 DOCKET NO. 20210001-EI
 STAFF'S FIRST DATA REQUEST
 REQUEST NO. 10
 BATES PAGES: 22 - 23
 FILED: JULY 21, 2021**