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DOCKET NO. 50568

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APPLICATION OF ENTERGY TEXAS, §
INC. TO REVISE FIXED FUEL FACTOR §
(SCHEDULE FF) IN COMPLIANCE §
WITH ORDER IN DOCKET NO. 32915 §

BEFORE THE
PUBLIC UTILITY COMMISSION
OF TEXAS

**APPLICATION OF ENTERGY TEXAS, INC. TO REVISE FIXED FUEL FACTOR
(SCHEDULE FF) IN COMPLIANCE WITH ORDER IN DOCKET NO. 32915, MOTION
FOR EXPEDITED REFERRAL TO SOAH, AND EXPEDITED APPROVAL OF
REVISED INTERIM FIXED FUEL FACTOR ON AN INTERIM BASIS**

In accordance with the Order of the Public Utility Commission of Texas (“PUCT” or “Commission”) in Docket No. 32915,¹ Entergy Texas, Inc. (“ETI” or “Company”) files this Application to Revise its Fixed Fuel Factor, Motion for Expedited Referral to the State Office of Administrative Hearings (“SOAH”),² and Expedited Approval of the Revised Interim Fixed Fuel Factor on an Interim Basis.

For the reasons explained below, ETI requests approval of its Application and Motion such that the Interim Approval of ETI’s request may be obtained on or before February 27, 2020, thereby allowing ETI’s revisions to its Fixed Fuel Factor to be effective for the first billing cycle of the March 2020 billing month, which begins March 3, 2020.³

I. MARCH 2020 REVISED FIXED FUEL FACTOR

ETI hereby submits its Revised Fixed Fuel Factor (“Schedule FF”) and supporting attachments (listed below) in compliance with the process ordered in Docket No. 32915, *Application of Entergy Gulf States, Inc. to Revise Fuel Factor Formula*. In accordance with the

¹ *Application of Entergy Gulf States, Inc. to Revise Fuel Factor Formula*, Docket No. 32915, Order No. 3 - Granting Interim Approval of Revised Fuel Factor Formula (August 9, 2006); and Order (September 8, 2006).

² In Docket Nos. 36710, 37365, 37969, 38565, 39156, 40189, 40654, 41234, 41767, 42253, 42772, 44466, 45052, 45632, 46292, 46872, 48604, 49243, and 49873 the Commission referred the Company’s request for modification of its Interim Fixed Fuel Factor to SOAH, rather than addressing the Company’s application at the Commission. The Company files its request in anticipation that a similar process will be employed with regard to the Company’s instant filing.

³ The Company has verified that the receipt of an order on or before Thursday, February 27, 2020, will permit the Company sufficient time to implement a new fixed fuel factor to be implemented with the first billing cycle in the March 2020 billing month which is Tuesday, March 3, 2020.

Commission's Order in Docket No. 32915, the Company has distributed the Revised Fixed Fuel Factor and supporting data to the parties in Docket No. 32465 at least two days before making this filing and has received no objections to its Revised Fixed Fuel Factor.

ETI developed line loss multipliers for the annual period ending June 30, 2019 for use in this interim fuel factor revision pursuant to the Order in Docket No. 40654.⁴

Consistent with the Order in Docket No. 32915, Schedule FF shall be effective with the first billing cycle of the March 2020 billing month. The Company will provide notice of this filing pursuant to 16 Tex. Admin. Code § 25.235(b). Proof of such notice will be filed with the Commission upon completion. Pursuant to Commission past practice and the Order in Docket No. 32915, interested parties will have 30 days from publication of notice to intervene and request a hearing following publication of notice. Accordingly, the Company's request for expedited interim approval, set forth below, will not affect the parties' rights to intervene and request a hearing on the Company's Application within the 30-day time frame following publication of notice contemplated under the Commission's Order in Docket No. 32915.

The following attachments support the Company's revised Schedule FF:

Attachment "A"	Fuel Factor Calculation
Attachment "B"	Average Forward and Historical Gas Price Calculation
Attachment "C"	Copies of the Wall Street Journal supporting the Average Forward Gas Price Calculation
Attachment "D"	Copy of Natural Gas Week Table supporting the Average Historical Gas Price Calculation
Attachment "E"	Proposed Tariff
Attachment "F"	Proposed Form of Notice

II. EXPEDITED REFERRAL TO SOAH AND EXPEDITED APPROVAL OF REVISED FIXED FUEL FACTOR ON AN INTERIM BASIS

Based upon the short period of time to obtain an order implementing the Interim Revised Fixed Fuel Factor as laid out in more detail below, the Company respectfully requests that the Commission refer this proceeding to SOAH on an expedited basis. The Company further requests that the SOAH Administrative Law Judge ("ALJ") adopt the abbreviated procedural mechanism

⁴ *Application of Entergy Texas, Inc. to Implement an Interim Refund*, Docket No. 40654, Order (Mar. 28, 2013).

approved by the Commission in Docket No. 32915 and issue an order approving the Company's revision to its fixed fuel factor on an interim basis no later than February 27, 2020, to become effective with the first billing cycle of the billing month of March 2020, which begins March 3, 2020. The Company further requests, in accordance with the process approved in Docket No. 32915, that the requested interim order specify that it will become a final order without any further required action by the ALJ or the Commission absent the granting of a request for a hearing by a party to this proceeding.

In Docket No. 32915, the Commission found both this abbreviated procedural process for implementation and the continuation of this process in subsequent semi-annual fixed fuel factor revisions to be reasonable.⁵ The Commission further found that this expedited process will continue to provide benefits in terms of administrative efficiency.⁶

The Company's requested process to implement its revised Fixed Fuel Factor is consistent with that adopted in each of the Company's interim fuel factor revisions from Docket No. 36710 through the Company's most recent interim fuel factor revision in Docket No. 49243. Prior to Docket No. 36710, the Commission had not referred the Company's interim fuel factor revisions to SOAH. Anticipating that the Commission will continue its practice of referring all fuel applications to SOAH, the Company requests that its application be processed consistent with the methodology used in ETI's prior fuel factor revision dockets, which mirrors the process adopted in Docket No. 32915, as set forth in Finding of Fact 15 of the Commission's Order:

15. EGSI states that it will follow the same procedural process under the new formula that is in place for EGSI's current fuel factor revision each March and September:
 - (a) EGSI will make a semi-annual filing during the window constituting the 11th through the 15th working days of each February and August. The Company will provide notice to parties to Docket No. 32465 by hand-delivery or facsimile at least two (2) working days prior to making such filing. This filing will include all the necessary back-up data to allow the Commission and parties to verify the calculation of the rate;

⁵ Docket No. 32915, Order at FoF 23 ("The procedural process in place for EGSI's current fuel factor revision and set forth in finding of fact 15 *is reasonable*. Good cause exists to make exceptions to P.U.C. SUBST. R. 25.237(b), (d) and (c) in order to implement EGSI's new fuel factor *and continue the current abbreviated procedural process for approval of EGSI's fixed fuel factor rate.*") (emphasis added).

⁶ *Id.* at FoF 18.

- (b) interested parties will have 30 days to intervene and request a hearing following publication of notice per P.U.C. SUBST. R. 25.235(b)(1)(A);
- (c) revisions to the fuel factor in accordance with the Company's submission will be implemented on an interim basis effective with the first billing cycle of the billing month of March or September. EGSI will request that the Commission or its designee enter such an interim order no later than the 25th day of the month of the semi-annual filing;
- (d) in the absence of a hearing, the interim order implementing the fuel factor revisions will become final by its own terms without further order of the Commission or its designee; and
- (e) the fixed fuel factors implemented pursuant to this methodology will be adjusted for voltage levels at which service is provided utilizing the loss multipliers most recently approved by the Commission.⁷

The processing of the Company's Fixed Fuel Factor as outlined above, including the interim approval and processing of the request is consistent with the terms of the Order in Docket No. 32915⁸ and this process should be used to guide the ALJ in processing ETI's application in this case.

In order to comply with the procedure adopted by the Commission in Docket No. 32915, a date for the Commission Staff recommendation is required. Given the abbreviated schedule for implementing the revised Fixed Fuel Factor, ETI requests that the ALJ order the Commission Staff to provide its recommendation on the Company's Application and proposed notice by February 24, 2020, that the ALJ approve ETI's request on an interim basis no later than February 27, 2020, which approval would be effective for March 3, 2020, of ETI's Schedule FF, Tariff Sheet No. 51, Revision 50, and for such other relief to which the Company is entitled.

⁷ *Id.*, Order at FoF 15.

⁸ *Id.*

Dated: February 20, 2020

Respectfully submitted,

Miguel Suazo
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By: 

Miguel Suazo
State Bar No. 24085608

ATTORNEY FOR ENTERGY TEXAS, INC.

CERTIFICATE OF SERVICE

I certify that a true and correct copy of this document was served by e-mail, facsimile, hand delivery, overnight delivery, or first-class U.S. Mail on all parties of record in Docket No. 46076 (ETI's most recent fuel reconciliation docket) on February 20, 2020.



Miguel Suazo

Entergy Texas, Inc.
Proposed Fuel Factor
March 2020

Mar-20

<u>Line No.</u>			
1	Actual FF Expense (Feb 2019 - Jan 2020)	\$	486,936,153
2	Less: Coal and Nuclear FF Expense	\$	26,706,982
3	Adjusted FF Expense w/o Coal and Nuclear	\$	460,229,171
4	Multiplied by: Projected Market Factor		88.0%
5	March 2020 Fuel Factor Expense	\$	405,001,670
6	Add: Coal and Nuclear FF Expense	\$	26,706,982
7	March 2020 Fuel Factor Expense	\$	431,708,652
8	Divided by: Actual FF Sales (Feb 2019 - Jan 2020)		18,910,921,372
9	Average Fuel Factor Rate (\$/MWH)	\$	22.8285

Projected Market Factor:

Simple Average (Henry Hub Price Mar 2020 - Feb 2021)	\$	2.15
Simple Average (Henry Hub Price Feb 2019 - Jan 2020)	\$	2.44
		88.0%

(A) Voltage Level	(B) Loss Multiplier	(C) Line 9*Column B Voltage Level Factor
Secondary	1.022432	23.3406
Primary	0.997729	22.7767
69kV and 138 kV	0.969852	22.1403
230kV	0.954780	21.7962
Note: The loss multipliers are those developed by a line loss study for the annual period ended June 30, 2019.		

**Entergy Texas, Inc.
Fixed Fuel Factor Sales at Meter
February 2019 - January 2020**

FFF Sales at Meter

<u>Month</u>	<u>kWh Sales</u>	<u>Annual FF Sales</u>
Feb-19	1,477,294,019	
Mar-19	1,309,305,988	
Apr-19	1,294,315,025	
May-19	1,432,489,764	
Jun-19	1,714,414,938	
Jul-19	1,825,375,286	
Aug-19	1,926,698,072	
Sep-19	1,894,329,575	
Oct-19	1,689,064,716	
Nov-19	1,475,968,210	
Dec-19	1,455,672,697	
Jan-20	1,415,993,082	18,910,921,372

	Total Company				Total Company				Total Company				Total Company				Total Company				Total Company			
	Fuel	FFF			Fuel				Fuel w/o	FFF			Nuc & Coal				Fuel w/o				Nuc & Coal			
<u>Month</u>	<u>Expense</u>	<u>Allocator</u>	<u>Expense</u>	<u>Expense</u>	<u>Nuclear</u>	<u>Coal</u>	<u>Coal</u>	<u>Coal & Nuc</u>	<u>Coal & Nuc</u>	<u>Allocator</u>	<u>FFF Expense</u>	<u>Coal & Nuc</u>	<u>Coal & Nuc</u>	<u>Coal & Nuc</u>	<u>Coal & Nuc</u>	<u>Coal & Nuc</u>	<u>Coal & Nuc</u>	<u>Coal & Nuc</u>	<u>Coal & Nuc</u>	<u>Coal & Nuc</u>	<u>Coal & Nuc</u>	<u>Coal & Nuc</u>	<u>Coal & Nuc</u>	<u>Coal & Nuc</u>
Feb-19	32,925,842	100.000%	32,925,842	32,925,842	996,361	2,631,136	3,627,497	29,298,345	100.0%		3,627,497	29,298,345	29,298,345	29,298,345	29,298,345	29,298,345	29,298,345	29,298,345	29,298,345	29,298,345	29,298,345	29,298,345	29,298,345	29,298,345
Mar-19	37,854,860	100.000%	37,854,860	37,854,860	1,118,228	2,066,694	3,184,922	34,669,938	100.0%		3,184,922	34,669,938	34,669,938	34,669,938	34,669,938	34,669,938	34,669,938	34,669,938	34,669,938	34,669,938	34,669,938	34,669,938	34,669,938	34,669,938
Apr-19	44,155,441	100.000%	44,155,441	44,155,441	60,392	767,206	827,598	43,327,843	100.0%		827,598	43,327,843	43,327,843	43,327,843	43,327,843	43,327,843	43,327,843	43,327,843	43,327,843	43,327,843	43,327,843	43,327,843	43,327,843	43,327,843
May-19	45,532,847	100.000%	45,532,847	45,532,847	643,289	1,143,093	1,786,382	43,746,465	100.0%		1,786,382	43,746,465	43,746,465	43,746,465	43,746,465	43,746,465	43,746,465	43,746,465	43,746,465	43,746,465	43,746,465	43,746,465	43,746,465	43,746,465
Jun-19	49,519,778	100.000%	49,519,778	49,519,778	1,006,480	2,112,002	3,118,482	46,401,296	100.0%		3,118,482	46,401,296	46,401,296	46,401,296	46,401,296	46,401,296	46,401,296	46,401,296	46,401,296	46,401,296	46,401,296	46,401,296	46,401,296	46,401,296
Jul-19	47,568,251	100.000%	47,568,251	47,568,251	1,731,996	1,820,026	3,552,022	44,016,229	100.0%		3,552,022	44,016,229	44,016,229	44,016,229	44,016,229	44,016,229	44,016,229	44,016,229	44,016,229	44,016,229	44,016,229	44,016,229	44,016,229	44,016,229
Aug-19	50,038,899	100.000%	50,038,899	50,038,899	1,715,927	1,208,062	2,923,989	47,114,910	100.0%		2,923,989	47,114,910	47,114,910	47,114,910	47,114,910	47,114,910	47,114,910	47,114,910	47,114,910	47,114,910	47,114,910	47,114,910	47,114,910	47,114,910
Sep-19	41,406,045	100.000%	41,406,045	41,406,045	(2,106,012)	1,859,880	(246,132)	41,652,177	100.0%		(246,132)	41,652,177	41,652,177	41,652,177	41,652,177	41,652,177	41,652,177	41,652,177	41,652,177	41,652,177	41,652,177	41,652,177	41,652,177	41,652,177
Oct-19	39,538,179	100.000%	39,538,179	39,538,179	1,285,092	1,203,487	2,488,579	37,049,600	100.0%		2,488,579	37,049,600	37,049,600	37,049,600	37,049,600	37,049,600	37,049,600	37,049,600	37,049,600	37,049,600	37,049,600	37,049,600	37,049,600	37,049,600
Nov-19	36,627,940	100.000%	36,627,940	36,627,940	1,473,471	249,693	1,723,164	34,904,776	100.0%		1,723,164	34,904,776	34,904,776	34,904,776	34,904,776	34,904,776	34,904,776	34,904,776	34,904,776	34,904,776	34,904,776	34,904,776	34,904,776	34,904,776
Dec-19	30,785,675	100.000%	30,785,675	30,785,675	1,523,675	588,563	2,112,238	28,673,437	100.0%		2,112,238	28,673,437	28,673,437	28,673,437	28,673,437	28,673,437	28,673,437	28,673,437	28,673,437	28,673,437	28,673,437	28,673,437	28,673,437	28,673,437
Jan-20	30,982,396	100.000%	30,982,396	30,982,396	1,547,342	60,899	1,608,241	29,374,155	100.0%		1,608,241	29,374,155	29,374,155	29,374,155	29,374,155	29,374,155	29,374,155	29,374,155	29,374,155	29,374,155	29,374,155	29,374,155	29,374,155	29,374,155
Total	486,936,153		486,936,153	486,936,153	10,996,241	15,710,741	26,706,982	460,229,171			26,706,982	460,229,171	460,229,171	460,229,171	460,229,171	460,229,171	460,229,171	460,229,171	460,229,171	460,229,171	460,229,171	460,229,171	460,229,171	460,229,171

**Entergy Texas, Inc.
Henry Hub Settlement Prices
Per Wall Street Journal**

Publish Date	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Average
3-Feb	1.841	1.886	1.946	2.015	2.086	2.115	2.111	2.142	2.252	2.442	2.552	2.520	2.159
4-Feb	1.819	1.862	1.918	1.984	2.057	2.088	2.086	2.120	2.230	2.422	2.533	2.501	2.135
5-Feb	1.872	1.902	1.952	2.015	2.086	2.115	2.111	2.144	2.245	2.429	2.540	2.506	2.160
6-Feb	1.861	1.887	1.937	1.997	2.065	2.097	2.096	2.131	2.237	2.423	2.534	2.501	2.147
7-Feb	1.862	1.887	1.940	2.001	2.070	2.101	2.099	2.136	2.247	2.439	2.552	2.519	2.154
10-Feb	1.858	1.892	1.951	2.015	2.085	2.117	2.115	2.149	2.264	2.462	2.574	2.541	2.169
11-Feb	1.766	1.804	1.869	1.937	2.014	2.050	2.054	2.089	2.224	2.444	2.558	2.527	2.111
12-Feb	1.788	1.823	1.882	1.952	2.031	2.068	2.071	2.108	2.242	2.463	2.578	2.545	2.129
13-Feb	1.844	1.874	1.929	1.999	2.079	2.116	2.119	2.154	2.281	2.494	2.606	2.571	2.172
14-Feb	1.826	1.856	1.913	1.982	2.058	2.094	2.097	2.131	2.259	2.470	2.584	2.552	2.152
Average	1.834	1.867	1.924	1.990	2.063	2.096	2.096	2.130	2.248	2.449	2.561	2.528	2.149

**Natural Gas Week
Henry Hub Gas Prices
February 2019 - January 2020**

Henry Hub Gas Data (a)	
Date	Henry Hub \$/MMBtu
Feb-19	\$ 2.66
Mar-19	\$ 2.98
Apr-19	\$ 2.59
May-19	\$ 2.59
Jun-19	\$ 2.32
Jul-19	\$ 2.36
Aug-19	\$ 2.15
Sep-19	\$ 2.55
Oct-19	\$ 2.22
Nov-19	\$ 2.64
Dec-19	\$ 2.23
Jan-20	\$ 2.00
Average	\$ 2.44

(a) Source: *Natural Gas Week*.
Monthly prices are volume
weighted cash prices and include
bid-week prices.

English Edition February 3, 2020 Print Edition Video

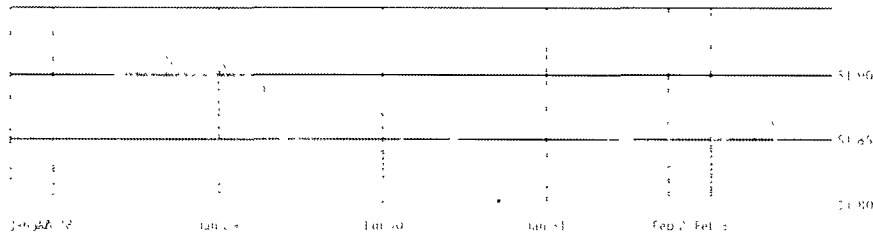
Home World U.S. Politics Economy Business Tech Opinion Life & Arts Real Estate WSJ. Magazine

Natural Gas Continuous Contract

NG00 (U.S.: Nymex)



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MONTH	LAST	CHG	OPEN	HIGH	LOW	SETTLEMENT	DATE	VOLUME	OPEN INT	DATE	TIME
Natural Gas Mar 2020	1.839	-0.002	1.852	1.880	1.837	1.841	01/31	43,087	595,718	02/03/20	9:43
Front Month	1.839	-0.002	1.852	1.880	1.837	1.841	01/31	43,087	595,718	02/03/20	9:43
Natural Gas Apr 2020	1.885	-0.001	1.895	1.924	1.884	1.886	01/31	27,202	198,751	02/03/20	9:43
Natural Gas May 2020	1.944	-0.002	1.954	1.981	1.942	1.946	01/31	13,746	157,131	02/03/20	9:43
Natural Gas Jun 2020	2.010	-0.005	2.021	2.049	2.010	2.015	01/31	12,093	66,020	02/03/20	9:43
Natural Gas Jul 2020	2.080	-0.006	2.092	2.117	2.079	2.086	01/31	2,909	71,591	02/03/20	9:43
Natural Gas Aug 2020	2.108	-0.007	2.122	2.145	2.108	2.115	01/31	1,277	37,883	02/03/20	9:43
Natural Gas Sep 2020	2.104	-0.007	2.123	2.141	2.104	2.111	01/31	1,245	58,867	02/03/20	9:43
Natural Gas Oct 2020	2.136	-0.006	2.151	2.172	2.135	2.142	01/31	2,750	89,369	02/03/20	9:43
Natural Gas Nov 2020	2.248	-0.004	2.264	2.278	2.247	2.252	01/31	317	26,413	02/03/20	9:43
Natural Gas Dec 2020	2.439	-0.003	2.456	2.466	2.439	2.442	01/31	370	28,629	02/03/20	9:41
Natural Gas Jan 2021	2.547	-0.005	2.566	2.575	2.546	2.552	01/31	1,108	47,834	02/03/20	9:43
Natural Gas Feb 2021	2.513	-0.007	2.537	2.539	2.513	2.520	01/31	262	14,658	02/03/20	9:41
Natural Gas Mar 2021	2.417	-0.009	2.440	2.444	2.417	2.426	01/31	552	23,634	02/03/20	9:41
Natural Gas Apr 2021	2.205	-0.008	2.225	2.228	2.205	2.213	01/31	269	25,936	02/03/20	9:41
Natural Gas May 2021	2.189	-0.004	2.211	2.211	2.189	2.193	01/31	37	9,832	02/03/20	9:41
Natural Gas Jun 2021	2.227	-0.003	2.237	2.247	2.227	2.230	01/31	5	7,383	02/03/20	9:41
Natural Gas Jul 2021	2.269	-0.003	2.268	2.287	2.268	2.272	01/31	1	4,522	02/03/20	9:16
Natural Gas Aug 2021	2.275	-0.003	2.274	2.291	2.273	2.278	01/31	4	4,500	02/03/20	9:40
Natural Gas Sep 2021	2.261	-0.002	2.257	2.274	2.257	2.263	01/31	2	4,195	02/03/20	9:40
Natural Gas Oct 2021	2.283	-0.003	2.303	2.303	2.283	2.286	01/31	2	7,191	02/03/20	9:41
Natural Gas Nov 2021	2.353	-0.003	2.350	2.361	2.353	2.352	01/31	2	7,942	02/03/20	9:41

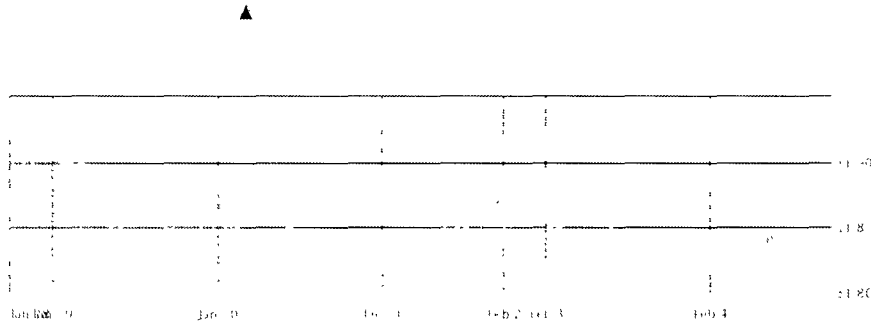
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DOW JONES, A NEWS CORP COMPANY

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Natural Gas Continuous Contract

NG00 (U.S. Nymex)



MONTH	LAST	CHG	OPEN	HIGH	LOW	SETTLEMENT	DATE	VOLUME	OPEN INT	DATE	TIME
Natural Gas Mar 2020	1.839	-0.002	1.823	1.846	1.804	1.819	02/03	44,906	586,582	02/04/20	9:53
Front Month	1.839	-0.002	1.823	1.846	1.804	1.819	02/03	44,906	586,582	02/04/20	9:53
Natural Gas Apr 2020	1.875	-0.002	1.862	1.884	1.847	1.862	02/03	20,543	203,608	02/04/20	9:53
Natural Gas May 2020	1.928	-0.002	1.916	1.935	1.904	1.918	02/03	7,111	165,234	02/04/20	9:53
Natural Gas Jun 2020	1.993	-0.002	1.978	1.998	1.968	1.984	02/03	4,507	67,361	02/04/20	9:53
Natural Gas Jul 2020	2.066	-0.002	2.054	2.071	2.041	2.057	02/03	4,457	73,165	02/04/20	9:53
Natural Gas Aug 2020	2.095	-0.002	2.083	2.101	2.074	2.088	02/03	2,106	36,541	02/04/20	9:53
Natural Gas Sep 2020	2.091	-0.002	2.075	2.099	2.072	2.086	02/03	1,642	60,520	02/04/20	9:53
Natural Gas Oct 2020	2.124	-0.002	2.109	2.133	2.101	2.120	02/03	3,774	90,569	02/04/20	9:53
Natural Gas Nov 2020	2.228	-0.002	2.225	2.241	2.219	2.230	02/03	1,271	26,085	02/04/20	9:53
Natural Gas Dec 2020	2.411	-0.011	2.424	2.430	2.408	2.422	02/03	1,214	29,051	02/04/20	9:53
Natural Gas Jan 2021	2.523	-0.010	2.526	2.543	2.519	2.533	02/03	1,385	48,272	02/04/20	9:53
Natural Gas Feb 2021	2.490	-0.011	2.492	2.510	2.489	2.501	02/03	362	15,067	02/04/20	9:52
Natural Gas Mar 2021	2.400	-0.011	2.401	2.418	2.400	2.411	02/03	380	25,529	02/04/20	9:52
Natural Gas Apr 2021	2.186	-0.012	2.187	2.202	2.185	2.198	02/03	403	26,665	02/04/20	9:53
Natural Gas May 2021	2.167	-0.013	2.177	2.181	2.166	2.180	02/03	89	9,897	02/04/20	9:52
Natural Gas Jun 2021	2.208	-0.009	2.220	2.220	2.208	2.217	02/03	90	7,384	02/04/20	9:52
Natural Gas Jul 2021	2.251	-0.008	2.259	2.260	0		02/03	34	4,571	02/04/20	9:52
Natural Gas Aug 2021	2.258	-0.007	2.261	2.265	2.256	2.265	02/03	22	4,486	02/04/20	9:52
Natural Gas Sep 2021	2.241	-0.008	2.248	2.249	2.241	2.249	02/03	42	4,192	02/04/20	9:52
Natural Gas Oct 2021	2.263	-0.008	2.271	2.272	2.263	2.271	02/03	50	7,008	02/04/20	9:52
Natural Gas Nov 2021	2.330	-0.009	2.337	2.339	2.330	2.339	02/03	30	7,947	02/04/20	9:39

English Edition February 5, 2020 Print Edition Video

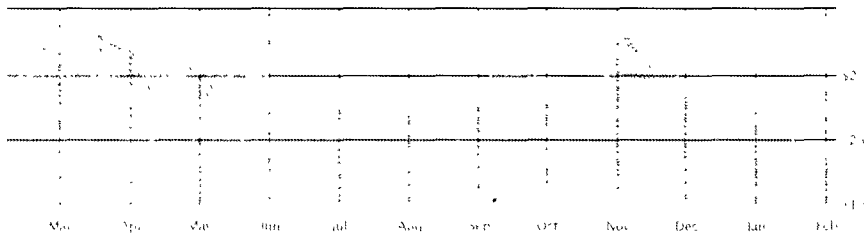
Home World US Politics Economy Business Tech Opinion Life & Arts Real Estate WSJ Magazine

Natural Gas Continuous Contract

NG00 (U.S. Nymex)



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MONTH	LAST	CHG	OPEN	HIGH	LOW	SETTLEMENT	DATE	VOLUME	OPEN INT	DATE	TIME
Natural Gas Mar 2020	1.857	-0.015	1.876	1.884	1.825	1.872	02/04	100,874	576,339	02/05/20	11:43
Front Month	1.857	-0.015	1.876	1.884	1.825	1.872	02/04	100,874	576,339	02/05/20	11:43
Natural Gas Apr 2020	1.885	-0.017	1.902	1.909	1.857	1.902	02/04	48,551	214,860	02/05/20	11:43
Natural Gas May 2020	1.936	-0.016	1.947	1.957	1.910	1.952	02/04	18,512	165,694	02/05/20	11:43
Natural Gas Jun 2020	1.997	-0.018	2.011	2.018	1.975	2.015	02/04	9,675	67,945	02/05/20	11:43
Natural Gas Jul 2020	2.067	-0.019	2.082	2.089	2.046	2.086	02/04	6,541	74,705	02/05/20	11:43
Natural Gas Aug 2020	2.096	-0.019	2.116	2.118	2.076	2.115	02/04	3,938	36,337	02/05/20	11:43
Natural Gas Sep 2020	2.092	-0.019	2.114	2.115	2.073	2.111	02/04	4,693	61,391	02/05/20	11:43
Natural Gas Oct 2020	2.125	-0.019	2.138	2.146	2.106	2.144	02/04	9,246	89,717	02/05/20	11:43
Natural Gas Nov 2020	2.231	-0.014	2.239	2.246	2.215	2.245	02/04	2,487	25,983	02/05/20	11:43
Natural Gas Dec 2020	2.417	-0.012	2.425	2.429	2.401	2.429	02/04	2,313	29,044	02/05/20	11:43
Natural Gas Jan 2021	2.528	-0.012	2.535	2.538	2.513	2.540	02/04	5,363	48,189	02/05/20	11:43
Natural Gas Feb 2021	2.494	-0.012	2.499	2.506	2.480	2.506	02/04	1,595	15,398	02/05/20	11:43
Natural Gas Mar 2021	2.402	-0.012	2.408	2.414	2.389	2.414	02/04	3,043	26,995	02/05/20	11:43
Natural Gas Apr 2021	2.180	-0.016	2.184	2.196	2.170	2.196	02/04	3,196	27,318	02/05/20	11:43
Natural Gas May 2021	2.163	-0.015	2.165	2.178	2.159	2.178	02/04	879	10,108	02/05/20	11:43
Natural Gas Jun 2021	2.206	-0.012	2.204	2.218	2.200	2.218	02/04	150	7,449	02/05/20	11:29
Natural Gas Jul 2021	2.250	-0.011	2.248	2.260	2.244	2.261	02/04	98	4,611	02/05/20	11:38
Natural Gas Aug 2021	2.256	-0.011	2.254	2.267	2.251	2.267	02/04	198	4,533	02/05/20	11:31
Natural Gas Sep 2021	2.240	-0.011	2.238	2.251	2.235	2.251	02/04	60	4,218	02/05/20	11:36
Natural Gas Oct 2021	2.261	-0.012	2.260	2.273	2.255	2.273	02/04	117	6,753	02/05/20	11:38
Natural Gas Nov 2021	2.331	-0.010	2.333	2.341	2.326	2.341	02/04	27	8,088	02/05/20	11:29

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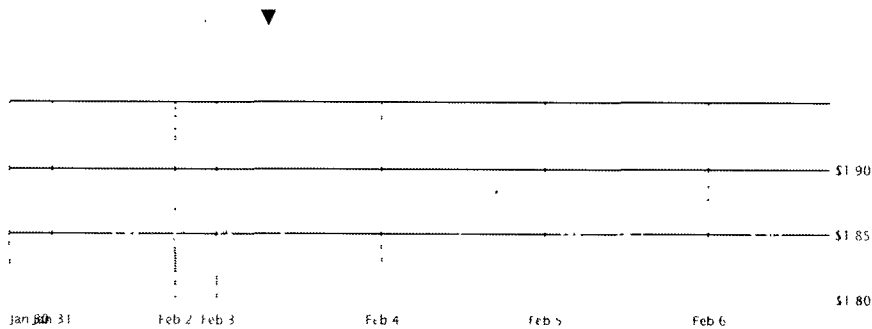
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English Edition February 6, 2020 Print Edition Video

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Natural Gas Continuous Contract

NG00 (U.S.: Nymex)



MONTH	LAST	CHG	OPEN	HIGH	LOW	SETTLEMENT	DATE	VOLUME	OPEN INT	DATE	TIME
Natural Gas Mar 2020	1.857	-0.004	1.865	1.898	1.832	1.861	02/05	62,531	564,723	02/06/20	10:28
Front Month	1.857	-0.004	1.865	1.898	1.832	1.861	02/05	62,531	564,723	02/06/20	10:28
Natural Gas Apr 2020	1.880	-0.007	1.891	1.920	1.857	1.887	02/05	32,578	222,566	02/06/20	10:28
Natural Gas May 2020	1.931	-0.006	1.944	1.967	1.908	1.937	02/05	12,718	167,105	02/06/20	10:28
Natural Gas Jun 2020	1.991	-0.006	2.002	2.022	1.968	1.997	02/05	7,532	68,098	02/06/20	10:28
Natural Gas Jul 2020	2.060	-0.005	2.071	2.088	2.038	2.065	02/05	3,882	75,281	02/06/20	10:28
Natural Gas Aug 2020	2.091	-0.006	2.101	2.119	2.070	2.097	02/05	2,263	36,867	02/06/20	10:27
Natural Gas Sep 2020	2.089	-0.007	2.104	2.117	2.068	2.096	02/05	3,499	62,737	02/06/20	10:27
Natural Gas Oct 2020	2.126	-0.005	2.133	2.151	2.103	2.131	02/05	9,886	91,326	02/06/20	10:27
Natural Gas Nov 2020	2.235	-0.002	2.242	2.254	2.215	2.237	02/05	1,751	26,414	02/06/20	10:27
Natural Gas Dec 2020	2.425	-0.002	2.435	2.437	2.406	2.423	02/05	995	29,472	02/06/20	10:27
Natural Gas Jan 2021	2.535	-0.001	2.536	2.551	2.515	2.534	02/05	4,497	49,304	02/06/20	10:27
Natural Gas Feb 2021	2.502	-0.001	2.515	2.517	2.484	2.501	02/05	1,241	15,783	02/06/20	10:25
Natural Gas Mar 2021	2.408	-0.001	2.410	2.422	2.391	2.409	02/05	1,057	27,476	02/06/20	10:28
Natural Gas Apr 2021	2.182	-0.003	2.184	2.189	2.168	2.185	02/05	1,764	26,764	02/06/20	10:27
Natural Gas May 2021	2.165	-0.002	2.160	2.170	2.155	2.167	02/05	273	10,314	02/06/20	10:27
Natural Gas Jun 2021	2.207	0.000	2.203	2.208	2.197	2.207	02/05	168	7,642	02/06/20	10:13
Natural Gas Jul 2021	2.250	0.000	2.247	2.251	2.243	2.250	02/05	114	4,826	02/06/20	10:12
Natural Gas Aug 2021	2.255	-0.001	2.250	2.259	2.250	2.256	02/05	77	4,651	02/06/20	9:56
Natural Gas Sep 2021	2.239	-0.001	2.234	2.246	2.233	2.240	02/05	140	4,131	02/06/20	10:05
Natural Gas Oct 2021	2.262	-0.001	2.255	2.265	2.254	2.263	02/05	275	6,780	02/06/20	10:04
Natural Gas Nov 2021	2.333	-0.001	2.325	2.334	2.325	2.332	02/05	104	8,110	02/06/20	10:06

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NG00 | Natural Gas Continuous Contracts - WSJ

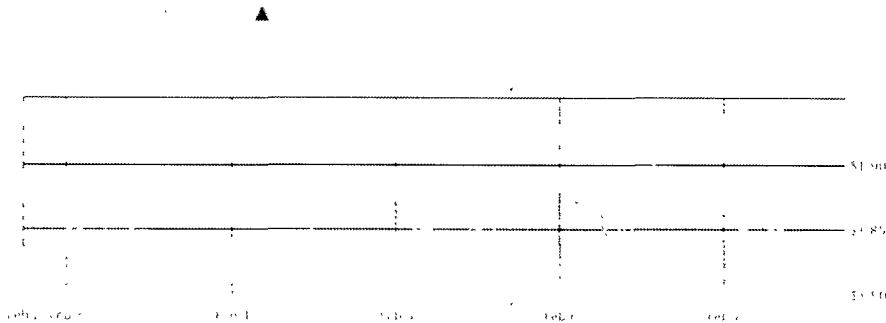
Attachment C
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English Edition February 7, 2020 Print Edition Video

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Natural Gas Continuous Contract

NG00 (U.S. Nymex)



MONTH	LAST	CHG	OPEN	HIGH	LOW	SETTLEMENT	DATE	VOLUME	OPEN INT	DATE	TIME
Natural Gas Mar 2020	1.875	▲0.01	1.863	1.898	1.842	1.862	02/06	86,981	551,938	02/07/20	11:14
Front Month	1.875	▲0.01	1.863	1.898	1.842	1.862	02/06	86,981	551,938	02/07/20	11:14
Natural Gas Apr 2020	1.897	▲0.01	1.888	1.915	1.869	1.887	02/06	51,954	232,435	02/07/20	11:14
Natural Gas May 2020	1.949	▲0.01	1.941	1.963	1.922	1.940	02/06	20,669	169,412	02/07/20	11:13
Natural Gas Jun 2020	2.010	▲0.01	2.002	2.022	1.985	2.001	02/06	9,161	65,982	02/07/20	11:13
Natural Gas Jul 2020	2.080	▲0.01	2.072	2.089	2.054	2.070	02/06	7,401	76,010	02/07/20	11:13
Natural Gas Aug 2020	2.111	▲0.01	2.103	2.118	2.085	2.101	02/06	4,753	36,842	02/07/20	11:13
Natural Gas Sep 2020	2.108	▲0.01	2.098	2.115	2.082	2.099	02/06	6,103	65,497	02/07/20	11:13
Natural Gas Oct 2020	2.144	▲0.01	2.137	2.151	2.119	2.136	02/06	7,758	89,188	02/07/20	11:13
Natural Gas Nov 2020	2.256	▲0.01	2.249	2.260	2.232	2.247	02/06	1,092	26,260	02/07/20	11:13
Natural Gas Dec 2020	2.448	▲0.01	2.442	2.451	2.426	2.439	02/06	776	30,209	02/07/20	11:13
Natural Gas Jan 2021	2.559	▲0.01	2.552	2.562	2.536	2.552	02/06	3,404	47,912	02/07/20	11:13
Natural Gas Feb 2021	2.526	▲0.01	2.509	2.527	2.506	2.519	02/06	1,083	17,083	02/07/20	11:12
Natural Gas Mar 2021	2.433	▲0.01	2.422	2.434	2.411	2.426	02/06	1,845	27,834	02/07/20	11:11
Natural Gas Apr 2021	2.195	▲0.01	2.189	2.196	2.178	2.191	02/06	952	28,338	02/07/20	11:11
Natural Gas May 2021	2.174	▲0.01	2.171	2.176	2.163	2.172	02/06	91	10,234	02/07/20	11:10
Natural Gas Jun 2021	2.213	▲0.01	2.212	2.214	2.205	2.210	02/06	27	7,667	02/07/20	10:59
Natural Gas Jul 2021	2.257	▲0.01	2.252	2.257	2.250	2.252	02/06	31	5,189	02/07/20	11:10
Natural Gas Aug 2021	2.263	▲0.01	2.262	2.263	2.257	2.260	02/06	27	4,655	02/07/20	11:00
Natural Gas Sep 2021	2.248	▲0.01	2.247	2.248	2.241	2.245	02/06	20	4,388	02/07/20	11:10
Natural Gas Oct 2021	2.271	▲0.01	2.269	2.271	2.262	2.268	02/06	613	7,144	02/07/20	10:38
Natural Gas Nov 2021	2.346	▲0.01	2.341	2.346	2.341	2.341	02/06	587	8,377	02/07/20	11:10

English Edition

February 10, 2020

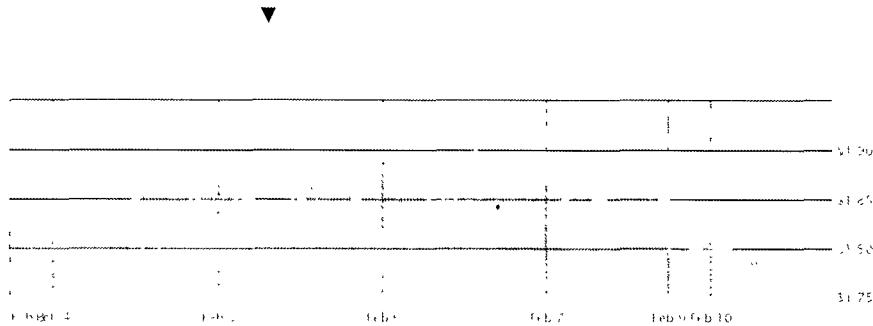
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Natural Gas Continuous Contract

NG00 (U.S. Nymex)



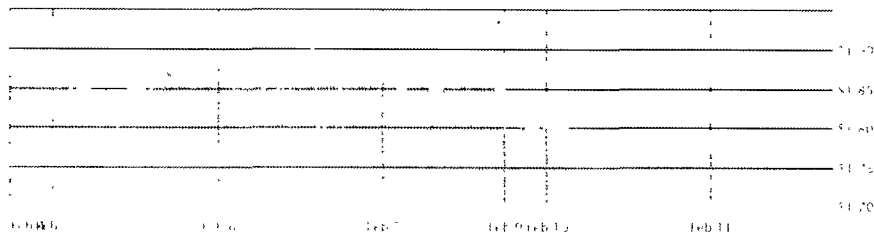
MONTH	LAST	CHG	OPEN	HIGH	LOW	SETTLEMENT	DATE	VOLUME	OPEN INT	DATE	TIME
Natural Gas Mar 2020	1.780	-0.078	1.813	1.813	1.776	1.858	02/07	60,740	488,837	02/10/20	9:13
Front Month	1.780	-0.078	1.813	1.813	1.776	1.858	02/07	60,740	488,837	02/10/20	9:13
Natural Gas Apr 2020	1.821	-0.071	1.850	1.851	1.817	1.892	02/07	31,486	255,291	02/10/20	9:13
Natural Gas May 2020	1.883	-0.068	1.916	1.916	1.881	1.951	02/07	10,549	169,990	02/10/20	9:13
Natural Gas Jun 2020	1.952	-0.063	1.982	1.982	1.951	2.015	02/07	4,718	62,494	02/10/20	9:13
Natural Gas Jul 2020	2.026	-0.059	2.050	2.050	2.024	2.085	02/07	4,472	76,933	02/10/20	9:13
Natural Gas Aug 2020	2.060	-0.057	2.087	2.087	2.059	2.117	02/07	2,679	36,778	02/10/20	9:13
Natural Gas Sep 2020	2.060	-0.055	2.084	2.085	2.058	2.115	02/07	2,941	66,942	02/10/20	9:13
Natural Gas Oct 2020	2.095	-0.054	2.115	2.115	2.094	2.149	02/07	6,390	87,706	02/10/20	9:13
Natural Gas Nov 2020	2.222	-0.042	2.230	2.236	2.222	2.264	02/07	1,381	26,293	02/10/20	9:13
Natural Gas Dec 2020	2.430	-0.032	2.431	2.438	2.427	2.462	02/07	1,465	30,480	02/10/20	9:13
Natural Gas Jan 2021	2.542	-0.032	2.538	2.552	2.537	2.574	02/07	2,617	48,948	02/10/20	9:13
Natural Gas Feb 2021	2.510	-0.031	2.511	2.523	2.508	2.541	02/07	462	17,532	02/10/20	9:13
Natural Gas Mar 2021	2.421	-0.030	2.419	2.434	2.419	2.451	02/07	1,143	26,862	02/10/20	9:13
Natural Gas Apr 2021	2.193	-0.022	2.186	2.204	2.186	2.215	02/07	1,104	28,346	02/10/20	9:13
Natural Gas May 2021	2.176	-0.020	2.179	2.181	2.174	2.196	02/07	135	10,731	02/10/20	9:13
Natural Gas Jun 2021	2.217	-0.018	2.220	2.224	2.216	2.235	02/07	23	7,590	02/10/20	9:09
Natural Gas Jul 2021	2.260	-0.017	2.262	2.269	2.259	2.277	02/07	17	5,159	02/10/20	9:09
Natural Gas Aug 2021	2.269	-0.016	2.270	2.284	2.266	2.285	02/07	7	4,581	02/10/20	9:09
Natural Gas Sep 2021	2.255	-0.015	2.256	2.270	2.251	2.270	02/07	7	4,359	02/10/20	9:13
Natural Gas Oct 2021	2.279	-0.015	2.281	2.294	2.271	2.294	02/07	21	7,173	02/10/20	9:13
Natural Gas Nov 2021	2.354	-0.011	2.341	2.356	2.354	2.365	02/07	621	8,936	02/10/20	9:00

English Edition February 11, 2020 Print Edition Video

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Natural Gas Continuous Contract

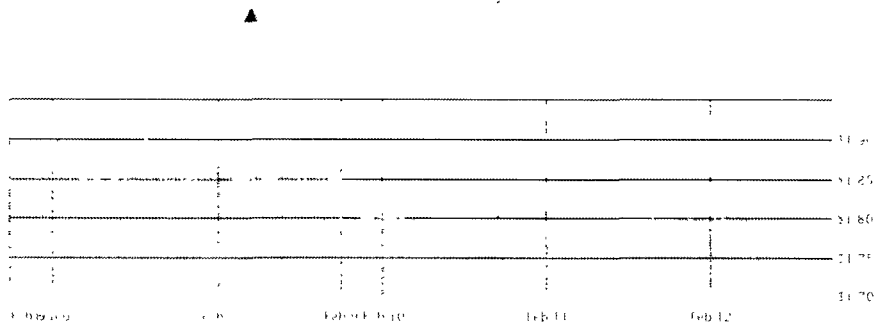
NG00 (U.S. Nymex)



MONTH	LAST	CHG	OPEN	HIGH	LOW	SETTLEMENT	DATE	VOLUME	OPEN INT	DATE	TIME
Natural Gas Mar 2020	1.774	-0.002	1.768	1.783	1.753	1.766	02/10	83,267	420,930	02/11/20	10:41
Front Month	1.774	-0.002	1.768	1.783	1.753	1.766	02/10	83,267	420,930	02/11/20	10:41
Natural Gas Apr 2020	1.802	-0.002	1.804	1.818	1.788	1.804	02/10	54,884	283,131	02/11/20	10:41
Natural Gas May 2020	1.861	-0.008	1.871	1.877	1.851	1.869	02/10	24,410	173,526	02/11/20	10:41
Natural Gas Jun 2020	1.929	-0.008	1.937	1.944	1.921	1.937	02/10	10,425	63,027	02/11/20	10:41
Natural Gas Jul 2020	2.008	-0.006	2.013	2.018	1.999	2.014	02/10	9,898	82,819	02/11/20	10:41
Natural Gas Aug 2020	2.042	-0.008	2.047	2.051	2.033	2.050	02/10	4,775	35,466	02/11/20	10:41
Natural Gas Sep 2020	2.043	-0.011	2.051	2.054	2.037	2.054	02/10	4,398	74,624	02/11/20	10:41
Natural Gas Oct 2020	2.078	-0.011	2.084	2.089	2.071	2.089	02/10	8,866	89,539	02/11/20	10:41
Natural Gas Nov 2020	2.215	-0.009	2.218	2.229	2.213	2.224	02/10	2,701	26,577	02/11/20	10:41
Natural Gas Dec 2020	2.435	-0.009	2.442	2.454	2.435	2.444	02/10	2,443	30,540	02/11/20	10:39
Natural Gas Jan 2021	2.551	-0.007	2.556	2.567	2.549	2.558	02/10	3,540	50,301	02/11/20	10:40
Natural Gas Feb 2021	2.519	-0.008	2.524	2.534	2.518	2.527	02/10	314	17,785	02/11/20	10:40
Natural Gas Mar 2021	2.429	-0.009	2.434	2.445	2.428	2.438	02/10	984	26,060	02/11/20	10:40
Natural Gas Apr 2021	2.196	-0.009	2.202	2.210	2.195	2.205	02/10	953	28,600	02/11/20	10:40
Natural Gas May 2021	2.178	-0.007	2.185	2.188	2.178	2.185	02/10	177	10,702	02/11/20	10:36
Natural Gas Jun 2021	2.218	-0.007	2.217	2.227	2.217	2.225	02/10	82	7,627	02/11/20	10:36
Natural Gas Jul 2021	2.261	-0.009	2.270	2.272	2.261	2.270	02/10	84	5,079	02/11/20	10:37
Natural Gas Aug 2021	2.272	-0.006	2.279	2.279	2.272	2.278	02/10	93	4,585	02/11/20	10:36
Natural Gas Sep 2021	2.257	-0.007	2.266	2.267	2.257	2.264	02/10	76	4,397	02/11/20	10:37
Natural Gas Oct 2021	2.282	-0.006	2.292	2.293	2.282	2.288	02/10	72	6,479	02/11/20	10:31
Natural Gas Nov 2021	2.358	-0.003	2.360	2.362	2.358	2.361	02/10	21	8,803	02/11/20	10:26

Natural Gas Continuous Contract

NG00 (U.S.: Nymex)



MONTH	LAST	CHG	OPEN	HIGH	LOW	SETTLEMENT	DATE	VOLUME	OPEN INT	DATE	TIME
Natural Gas Mar 2020	1.835	0.000	1.790	1.840	1.789	1.788	02/11	59,835	350,838	02/12/20	9:35
Front Month	1.835	0.000	1.790	1.840	1.789	1.788	02/11	59,835	350,838	02/12/20	9:35
Natural Gas Apr 2020	1.861	0.026	1.819	1.865	1.819	1.823	02/11	36,598	314,021	02/12/20	9:35
Natural Gas May 2020	1.916	0.055	1.880	1.921	1.879	1.882	02/11	11,738	184,657	02/12/20	9:35
Natural Gas Jun 2020	1.983	0.067	1.950	1.988	1.948	1.952	02/11	5,760	61,893	02/12/20	9:35
Natural Gas Jul 2020	2.061	0.078	2.028	2.066	2.026	2.031	02/11	5,603	91,879	02/12/20	9:35
Natural Gas Aug 2020	2.096	0.035	2.064	2.101	2.063	2.068	02/11	3,253	35,887	02/12/20	9:35
Natural Gas Sep 2020	2.098	0.002	2.072	2.102	2.068	2.071	02/11	2,858	81,445	02/12/20	9:35
Natural Gas Oct 2020	2.134	0.036	2.104	2.139	2.103	2.108	02/11	5,208	95,787	02/12/20	9:35
Natural Gas Nov 2020	2.262	0.128	2.241	2.269	2.240	2.242	02/11	876	26,639	02/12/20	9:35
Natural Gas Dec 2020	2.478	0.216	2.460	2.484	2.460	2.463	02/11	905	30,641	02/12/20	9:35
Natural Gas Jan 2021	2.593	0.115	2.575	2.603	2.574	2.578	02/11	3,075	51,150	02/12/20	9:35
Natural Gas Feb 2021	2.558	-0.035	2.542	2.565	2.542	2.545	02/11	387	17,901	02/12/20	9:34
Natural Gas Mar 2021	2.463	-0.095	2.450	2.473	2.447	2.454	02/11	460	27,193	02/12/20	9:35
Natural Gas Apr 2021	2.222	-0.241	2.217	2.235	2.210	2.218	02/11	266	29,380	02/12/20	9:34
Natural Gas May 2021	2.202	-0.020	2.197	2.209	2.197	2.198	02/11	238	10,799	02/12/20	9:33
Natural Gas Jun 2021	2.240	0.038	2.242	2.248	2.238	2.238	02/11	304	7,814	02/12/20	9:34
Natural Gas Jul 2021	2.286	0.046	2.284	2.292	2.284	2.284	02/11	87	5,207	02/12/20	9:34
Natural Gas Aug 2021	2.295	0.009	2.295	2.300	2.294	2.293	02/11	12	4,692	02/12/20	9:34
Natural Gas Sep 2021	2.282	-0.013	2.283	2.287	2.280	2.279	02/11	27	4,362	02/12/20	9:34
Natural Gas Oct 2021	2.306	0.024	2.305	2.310	2.300	2.303	02/11	43	6,598	02/12/20	9:34
Natural Gas Nov 2021	2.377	0.071	2.381	2.381	2.374	2.376	02/11	12	8,805	02/12/20	9:34

English Edition

February 13, 2020

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Video

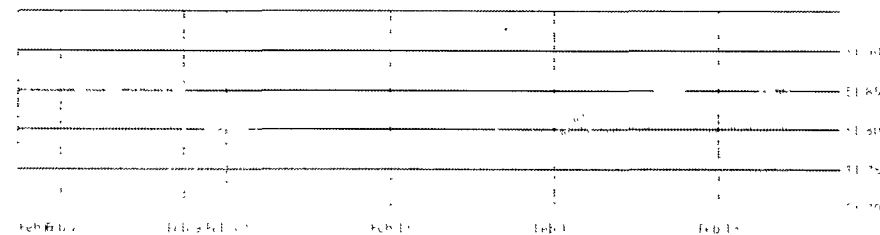
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**Natural Gas Continuous
Contract**

NG00 (U.S.: Nymex)



%



MONTH	LAST	CHG	OPEN	HIGH	LOW	SETTLEMENT	DATE	VOLUME	OPEN INT	DATE	TIME
Natural Gas Mar 2020	1.853	+0.001	1.846	1.868	1.824	1.844	02/12	55,895	276,725	02/13/20	10:03
Front Month	1.853	+0.001	1.846	1.868	1.824	1.844	02/12	55,895	276,725	02/13/20	10:03
Natural Gas Apr 2020	1.877	+0.001	1.868	1.894	1.854	1.874	02/12	38,480	344,796	02/13/20	10:03
Natural Gas May 2020	1.930	+0.001	1.929	1.948	1.910	1.929	02/12	10,340	192,253	02/13/20	10:03
Natural Gas Jun 2020	1.996	-0.003	1.993	2.014	1.981	1.999	02/12	6,421	62,617	02/13/20	10:03
Natural Gas Jul 2020	2.072	-0.007	2.074	2.091	2.061	2.079	02/12	4,768	92,538	02/13/20	10:02
Natural Gas Aug 2020	2.108	-0.008	2.114	2.126	2.098	2.116	02/12	2,898	35,364	02/13/20	10:02
Natural Gas Sep 2020	2.111	-0.008	2.116	2.130	2.101	2.119	02/12	2,141	85,538	02/13/20	10:02
Natural Gas Oct 2020	2.146	-0.008	2.150	2.164	2.137	2.154	02/12	5,460	95,592	02/13/20	10:03
Natural Gas Nov 2020	2.269	-0.012	2.277	2.287	2.266	2.281	02/12	1,010	27,272	02/13/20	10:03
Natural Gas Dec 2020	2.477	-0.017	2.485	2.498	2.474	2.494	02/12	1,399	30,937	02/13/20	10:02
Natural Gas Jan 2021	2.589	-0.017	2.597	2.611	2.585	2.606	02/12	3,561	51,859	02/13/20	10:02
Natural Gas Feb 2021	2.556	-0.015	2.563	2.575	2.552	2.571	02/12	408	18,194	02/13/20	10:03
Natural Gas Mar 2021	2.460	-0.015	2.472	2.478	2.457	2.475	02/12	1,241	28,316	02/13/20	10:02
Natural Gas Apr 2021	2.222	-0.008	2.227	2.230	2.219	2.230	02/12	1,296	29,803	02/13/20	10:02
Natural Gas May 2021	2.204	-0.003	2.205	2.209	2.202	2.207	02/12	468	10,878	02/13/20	10:02
Natural Gas Jun 2021	2.243	-0.002	2.244	2.247	2.242	2.245	02/12	27	8,147	02/13/20	10:02
Natural Gas Jul 2021	2.287	-0.003	2.288	2.290	2.287	2.290	02/12	28	5,416	02/13/20	10:02
Natural Gas Aug 2021	2.296	-0.002	2.296	2.300	2.296	2.298	02/12	30	4,763	02/13/20	9:36
Natural Gas Sep 2021	2.282	-0.002	2.282	2.288	2.281	2.284	02/12	22	4,419	02/13/20	9:42
Natural Gas Oct 2021	2.304	-0.003	2.309	2.309	2.303	2.307	02/12	143	6,711	02/13/20	9:43
Natural Gas Nov 2021	2.383	-0.001	2.384	2.384	2.379	2.380	02/12	29	8,821	02/13/20	9:43

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English Edition

February 14, 2020

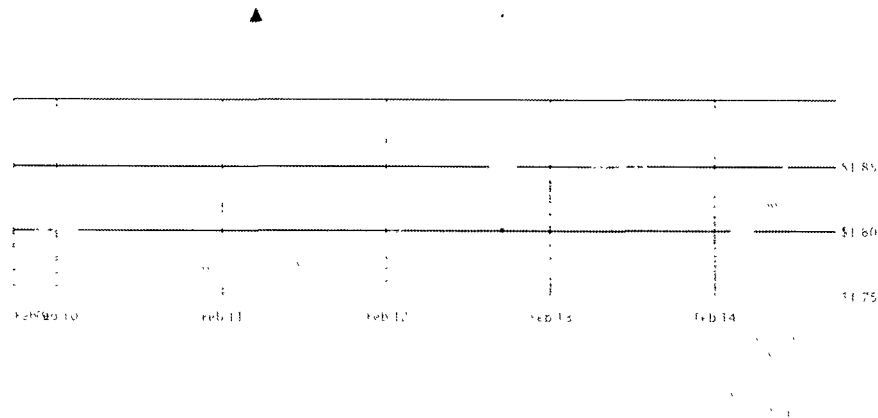
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Natural Gas Continuous Contract

NG00 (U.S. Nymex)



MONTH	LAST	CHG	OPEN	HIGH	LOW	SETTLEMENT	DATE	VOLUME	OPEN INT	DATE	TIME
Natural Gas Mar 2020	1.842	0.000	1.828	1.854	1.795	1.826	02/13	82,641	216,379	02/14/20	10:53
Front Month	1.842	0.000	1.828	1.854	1.795	1.826	02/13	82,641	216,379	02/14/20	10:53
Natural Gas Apr 2020	1.862	0.000	1.851	1.872	1.831	1.856	02/13	49,793	385,354	02/14/20	10:53
Natural Gas May 2020	1.913	0.000	1.908	1.920	1.888	1.913	02/13	17,026	199,923	02/14/20	10:52
Natural Gas Jun 2020	1.978	-0.004	1.979	1.986	1.959	1.982	02/13	8,350	61,895	02/14/20	10:52
Natural Gas Jul 2020	2.051	-0.007	2.056	2.061	2.037	2.058	02/13	7,310	97,087	02/14/20	10:52
Natural Gas Aug 2020	2.085	-0.009	2.092	2.096	2.073	2.094	02/13	2,776	35,920	02/14/20	10:53
Natural Gas Sep 2020	2.088	-0.009	2.093	2.097	2.076	2.097	02/13	3,657	87,981	02/14/20	10:53
Natural Gas Oct 2020	2.122	-0.009	2.124	2.132	2.109	2.131	02/13	6,431	94,606	02/14/20	10:53
Natural Gas Nov 2020	2.250	-0.009	2.253	2.259	2.241	2.259	02/13	901	27,894	02/14/20	10:51
Natural Gas Dec 2020	2.461	-0.009	2.474	2.474	2.457	2.470	02/13	1,387	30,992	02/14/20	10:51
Natural Gas Jan 2021	2.575	-0.009	2.588	2.588	2.570	2.584	02/13	3,160	52,418	02/14/20	10:52
Natural Gas Feb 2021	2.540	-0.012	2.546	2.552	2.540	2.552	02/13	1,480	19,104	02/14/20	10:52
Natural Gas Mar 2021	2.449	-0.010	2.459	2.459	2.446	2.459	02/13	2,580	29,797	02/14/20	10:52
Natural Gas Apr 2021	2.214	-0.007	2.220	2.220	2.212	2.221	02/13	1,506	30,859	02/14/20	10:52
Natural Gas May 2021	2.195	-0.007	2.202	2.202	2.195	2.202	02/13	195	11,242	02/14/20	10:44
Natural Gas Jun 2021	2.233	-0.007	2.238	2.240	2.233	2.240	02/13	122	8,234	02/14/20	10:44
Natural Gas Jul 2021	2.277	-0.007	2.280	2.284	2.277	2.284	02/13	59	5,422	02/14/20	10:47
Natural Gas Aug 2021	2.286	-0.007	2.289	2.293	2.285	2.293	02/13	23	4,838	02/14/20	10:44
Natural Gas Sep 2021	2.273	-0.007	2.274	2.280	2.273	2.280	02/13	39	4,446	02/14/20	10:52
Natural Gas Oct 2021	2.295	-0.008	2.294	2.303	2.294	2.303	02/13	180	6,792	02/14/20	10:48
Natural Gas Nov 2021	2.368	-0.008	2.368	2.376	2.368	2.376	02/13	61	9,499	02/14/20	10:50

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NGW'S MONTHLY WEIGHTED AVERAGES

Price Point	Jan'20	Dec'19	Nov'19	Oct'19	Sep'19	Aug'19	Jul'19	Jun'19	May'19	Apr'19	Mar'19	Feb'19	Jan'19	2020 Average
GULF COAST														
ANR SE	1.97	2.17	2.52	2.12	2.46	2.07	2.27	2.28	2.49	2.51	2.96	2.65	3.03	1.97
Col. Gulf - Erath	1.93	2.11	2.52	2.06	2.33	2.09	2.21	2.19	2.46	2.51	2.81	2.60	3.03	1.93
Col. Gulf - Rayne	1.88	2.03	2.43	1.80	2.16	1.97	2.12	2.11	2.37	2.41	2.83	2.55	2.96	1.88
Florida Zone 1	1.93	2.16	2.48	2.16	2.38	2.13	2.21	2.22	2.51	2.46	2.79	2.62	3.24	1.93
Florida Zone 2	2.04	2.26	2.67	2.29	2.33	2.12	2.18	2.25	2.50	2.56	2.99	2.61	3.09	2.04
Florida Zone 3	1.98	2.23	2.64	2.37	2.62	2.24	2.34	2.36	2.61	2.59	2.99	2.67	3.03	1.98
Henry Hub	2.00	2.23	2.64	2.22	2.55	2.15	2.36	2.32	2.59	2.59	2.98	2.66	3.07	2.00
Pine Prairie Hub	1.94	2.12	2.55	2.15	2.46	2.12	2.25	2.28	2.48	—	—	—	—	1.94
Sonat	1.95	2.07	2.54	2.19	2.51	2.12	2.24	2.28	2.52	2.53	2.88	2.63	3.03	1.95
Tenn 500 So LA Z1	1.94	2.06	2.46	2.18	2.50	2.14	2.23	2.26	2.51	2.53	2.80	2.61	2.94	1.94
Tenn 800 So LA Z1	1.93	2.15	2.49	1.97	2.20	2.06	2.19	2.23	2.45	2.47	2.85	2.56	3.04	1.93
TENN Z4 313 pool	1.72	1.88	2.22	1.73	2.06	1.82	2.06	2.06	2.26	2.39	2.70	2.53	2.88	1.72
Tetco ELA	1.93	2.10	2.51	2.11	2.37	2.13	2.18	2.21	2.43	2.48	2.74	2.58	3.00	1.93
Tetco WLA	1.92	2.11	2.50	2.24	2.43	2.14	2.22	2.27	2.50	2.51	2.80	2.60	2.98	1.92
TGT Zone SL	1.93	—	2.54	—	—	—	2.05	2.22	2.42	2.43	3.25	2.57	3.02	1.93
Transco Station 45	1.95	2.06	2.41	2.26	2.48	2.13	2.27	2.27	2.50	2.50	2.78	2.62	3.01	1.95
Transco Station 65	1.96	2.13	2.57	2.18	2.48	2.14	2.27	2.31	2.52	2.52	2.83	2.60	2.99	1.96
Trunkline ELA	1.83	2.24	2.64	2.13	2.55	2.12	—	2.22	2.56	2.25	2.85	—	—	1.83
Trunkline WLA	1.80	2.28	2.58	2.17	—	2.17	2.27	—	2.57	2.53	2.83	2.50	3.10	1.80
Trunkline Zone 1A	1.93	2.07	2.49	1.85	2.11	1.98	2.09	2.12	2.32	2.41	2.98	2.59	2.97	1.93
TEXAS (SOUTH/EAST)														
Carthage Hub	1.91	2.06	2.45	1.84	2.16	1.99	2.11	2.17	2.37	2.46	2.78	2.57	2.83	1.91
Houston Ship Channel	1.94	2.12	2.47	2.21	2.40	2.09	2.25	2.27	2.54	2.59	3.00	2.66	2.99	1.94
Katy Hub	1.93	2.10	2.43	2.16	2.43	2.11	2.26	2.34	2.55	2.56	2.85	2.65	2.97	1.93
NGPL-South Texas	1.91	2.02	2.40	—	2.27	2.08	—	2.27	2.48	2.50	3.04	2.61	3.06	1.91
NGPL-TEXOK	1.89	1.99	2.37	1.91	2.14	1.95	2.11	2.17	2.35	2.43	2.76	2.56	2.90	1.89
Tenn Zone 0	1.87	1.97	2.49	1.97	2.21	1.99	2.16	2.19	2.39	2.48	2.84	2.58	2.98	1.87
Tetco-East Texas	1.92	1.95	2.49	2.00	2.22	2.04	2.07	2.19	2.40	2.43	2.84	2.58	3.01	1.92
Tetco-South Texas	1.96	2.09	2.46	2.17	2.41	2.12	2.19	2.26	2.50	2.50	2.78	2.58	2.98	1.96
TGT Zone 1	1.91	2.05	2.49	1.91	2.19	1.99	2.12	2.13	2.36	2.41	2.83	2.57	3.04	1.91
Transco Station 30	1.92	2.07	2.48	2.12	2.38	2.12	2.27	2.26	2.48	2.49	2.89	2.59	3.02	1.92
Tres Palacios Hub	1.92	2.05	2.46	2.17	2.46	2.11	2.26	2.28	2.52	—	—	—	—	1.92
TEXAS (WEST)														
El Paso Permian	0.67	1.09	1.37	0.84	1.46	0.71	0.47	0.15	-0.23	-0.04	0.71	1.44	2.04	0.65
NNG Custer	1.58	1.48	1.63	1.59	1.67	1.45	1.49	1.17	—	—	—	—	—	1.58
Transwies E of Thoreau	0.60	0.95	1.35	0.84	1.38	0.72	0.67	0.30	-0.58	-0.10	0.10	1.36	2.23	0.58
Waha Hub	0.66	1.09	1.36	0.81	1.51	0.74	0.50	0.16	-0.24	-0.19	0.83	1.27	2.00	0.64
MIDCONTINENT														
ANR SW	1.72	1.89	2.23	1.54	1.85	1.62	1.81	1.45	1.87	1.95	3.15	2.52	2.90	1.72
CenterPoint East	1.80	2.00	2.19	1.83	2.16	1.97	2.17	2.16	2.22	2.27	3.31	2.54	3.12	1.80
CenterPoint West	1.78	—	1.96	1.33	—	—	1.74	1.44	1.65	2.19	—	—	—	1.78
NGPL-MC	1.58	1.34	1.53	1.40	1.73	1.55	1.79	1.35	1.92	1.92	2.93	2.33	2.69	1.58
Oneok	1.43	1.65	1.72	1.36	1.55	1.41	1.59	1.45	1.70	1.55	3.08	2.17	2.57	1.45
Panhandle	1.60	1.67	1.94	1.40	1.63	1.48	1.62	1.33	1.85	1.76	3.02	2.45	2.92	1.61
Southern Star	1.75	1.91	2.15	1.57	1.77	1.63	1.86	1.62	1.90	1.80	3.11	2.57	2.81	1.75
GREAT PLAINS														
Emerson	1.98	2.13	2.53	1.86	1.93	1.83	1.98	1.96	2.22	2.22	3.24	2.73	3.07	1.98
NB Ventura TP	1.97	2.06	2.50	1.97	2.13	1.93	2.03	1.94	2.23	2.27	4.65	2.82	3.08	1.97
NGPL Amarillo	1.88	2.05	2.41	1.97	1.98	1.79	1.93	1.86	2.17	2.20	3.49	2.62	3.04	1.88
NNG Demarc	1.96	2.06	2.55	1.99	2.04	1.91	2.05	1.86	2.25	2.33	3.54	2.79	3.10	1.96
NNG Ventura	1.93	2.07	2.50	2.02	2.07	1.91	2.03	1.99	2.28	2.36	3.35	2.81	3.33	1.93
UPPER MIDWEST														
Alliance	1.95	2.07	2.50	1.99	2.09	1.96	2.11	2.10	2.33	2.44	3.47	2.62	3.39	1.95
ANR ML7	1.95	2.18	2.60	2.10	2.02	1.99	2.17	2.15	2.40	2.51	2.80	2.67	3.15	1.95
Chicago Citygate	1.92	2.10	2.54	2.01	2.10	1.98	2.16	2.11	2.37	2.47	3.98	2.61	3.35	1.92
Consumers	1.94	2.13	2.51	1.86	2.05	2.02	2.16	2.16	2.40	2.46	3.01	2.65	3.04	1.94
MichCon	1.90	2.13	2.52	1.89	2.18	1.97	2.12	2.14	2.37	2.47	2.93	2.62	3.06	1.90
Rex Zone 3 Delivered	1.87	2.07	2.46	1.85	2.09	1.93	2.07	2.07	2.32	2.38	2.90	2.59	3.11	1.87
SOUTHEAST														
Tetco M1	1.90	2.10	2.49	2.09	2.29	2.09	2.04	2.10	2.37	2.39	2.76	2.50	2.82	1.90
Transco Zone 4	1.97	2.11	2.55	2.21	2.52	2.19	2.31	2.32	2.55	2.52	2.89	2.65	3.03	1.97
Transco Zone 5	2.53	2.73	3.01	2.21	2.60	2.25	2.37	2.38	2.58	2.56	2.95	2.87	4.23	2.54
APPALACHIA														
Col. Gas App. Pool	1.75	1.90	2.26	1.48	2.01	1.92	2.07	2.07	2.32	2.37	2.83	2.54	2.85	1.75
Dominion North	1.65	1.79	2.14	1.35	1.63	1.76	2.03	2.01	2.19	2.21	2.67	2.50	2.95	1.65
Dominion South	1.65	1.78	2.12	1.36	1.64	1.72	2.03	1.99	2.18	2.21	2.77	2.51	2.91	1.65
Lebanon Hub	1.83	2.07	2.42	1.73	2.12	1.93	2.02	2.05	2.30	2.34	2.70	2.61	3.09	1.83
Millennium Pipeline Co., East Receipts	1.65	1.93	2.09	1.28	1.64	1.63	2.05	1.96	2.14	2.22	2.55	2.56	2.83	1.65
TENN Z4 200-leg	1.82	2.01	2.45	1.70	2.02	1.89	2.08	2.06	2.28	2.36	2.79	2.56	2.94	1.82

>> (continued on pg 2)

SECTION III RATE SCHEDULES

Page 34.1

ENTERGY TEXAS, INC.
Electric Service

SCHEDULE FF

Sheet No.: 51
Effective Date: 3-3-20
Revision: 50
Supersedes: FF Effective 8-29-19
Schedule Consists of: One Sheet

FIXED FUEL FACTOR AND LOSS MULTIPLIERS

The Texas retail fixed fuel factor is \$0.0228285 per kWh.

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The loss multipliers by voltage level are:

<u>Delivery Voltage</u>	<u>Loss Multiplier</u>
Secondary	1.022432
Primary	0.997729
69kV/138kV	0.969852
230kV	0.954780

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The corresponding fixed fuel factors by voltage level are:

<u>Delivery Voltage</u>	<u>Fixed Fuel Factor</u>
Secondary	\$0.0233406 per kWh
Primary	\$0.0227767 per kWh
69kV/138kV	\$0.0221403 per kWh
230kV	\$0.0217962 per kWh

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NOTICE TO IMPLEMENT REVISED FIXED FUEL FACTOR

Entergy Texas, Inc. hereby publishes NOTICE that, pursuant to Section 36.203 of the Public Utility Regulatory Act (codified in TEX. UTIL. CODE) and 16 Tex. Admin. Code § 25.235(b), it filed with the Public Utility Commission of Texas (the “Commission”) on February 20, 2020, a tariff to implement a revised fixed fuel factor. All of Entergy Texas’ retail customers whose fuel charges are calculated under the Texas fixed fuel factor tariff – including but not limited to Residential, Small General Service, Large General Service, Large Industrial Power Service, and Street and Outdoor Lighting Service – will be affected by the Commission’s approval of the revised fixed fuel factor. The revised fixed fuel factor, if approved, will affect only the fuel portion of the rates charged by Entergy Texas and will have no effect on non-fuel base rates.

Entergy Texas seeks Commission approval to revise the fixed fuel factor effective with the first billing cycle of the March 2020 billing month. Entergy Texas proposed that the fixed fuel factor be changed pursuant to a semi-annual filing to be made each February and August, with revised fuel factors to be effective with the first billing cycle of the March and September billing months, pursuant to a methodology that changes the fuel factor based upon changes in the published price of natural gas. This methodology was authorized for use in Docket No. 32915.

The revised fixed fuel factor, differentiated by voltage level, is as follows:

FACTOR BY VOLTAGE LEVELS

<u>Delivery Voltage</u>	<u>Fixed Fuel Factor</u>
Secondary	\$0.0233406 per kWh
Primary	\$0.0227767 per kWh
69kV/138kV	\$0.0221403 per kWh
230kV	\$0.0217962 per kWh

The revised fuel factor would result in a decrease in Entergy Texas’ annual Texas retail fuel and purchased power revenues by approximately \$6.5 million, or 1.3% on an annual basis. Compared to the fixed fuel factor approved by the Commission effective September 2019, a residential customer using 1000 kilowatt-hours (kWh) of electricity per month would see an approximate decrease of .3% annually, or \$.34 on average per month, on his/her electric bill. The fixed fuel factor rate is designed to pass through to customers the actual fuel costs incurred by Entergy Texas to serve customers. Entergy Texas is not allowed to make a profit on fuel costs.

Amounts collected from affected customers pursuant to the revised fixed fuel factor will be subject to final review by the Commission in Entergy Texas' next applicable fuel reconciliation proceeding before the Commission. Entergy Texas expects the revised fixed fuel factor to be in effect for the billing period of March 2020 through September 2020.

Persons with questions or who want more information on this petition may contact Entergy Texas at Attn: Customer Service – Fuel Factor, 350 Pine Street, Beaumont, Texas 77701, or call [1-800-368-3749 (once you hear: “Welcome to Entergy” select option 1, then press 5, then press 7)] during normal business hours. A complete copy of this petition is available for inspection at the address listed above.

The Commission has assigned Docket No. _____ to this proceeding. Persons who wish to formally participate in this proceeding, or who wish to express their comments concerning this petition should contact the Public Utility Commission of Texas, Office of Customer Protection, P.O. Box 13326, Austin, Texas 78711-3326, or call (512) 936-7120 or toll-free at (888) 782-8477. Hearing and speech-impaired individuals with text telephones (TTY) may call (512) 936-7136 or use Relay Texas (toll-free) 1-800-735-2989.

ENTERGY TEXAS, INC.