



Control Number: 50333



Item Number: 46

Addendum StartPage: 0

**COMMISSION STAFF'S PETITION TO
SET 2020 WHOLESALE
TRANSMISSION SERVICE CHARGES
FOR THE ELECTRIC RELIABILITY
COUNCIL OF TEXAS**

**PUBLIC UTILITY COMMISSION
OF TEXAS**

2020 FEB 2:21
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COMMISSION STAFF'S DRAFT TRANSMISSION CHARGE MATRIX

COMES NOW the Staff (Staff) of the Public Utility Commission of Texas (Commission), representing the public interest, and files this Draft Transmission Charge Matrix. In support thereof, Commission Staff shows the following:

I. BACKGROUND

On December 10, 2019, Staff filed a petition to set the wholesale transmission service charges for the Electric Reliability Council of Texas (ERCOT) for 2020. On December 17, 2019, the Commission Administrative Law Judge issued Order No. 1 establishing a procedural schedule. Also on December 11, 2019, ERCOT filed its report on the 2019 “4CP” Coincident Peak Load in the ERCOT Region.

Order No. 1 included an intervention deadline of January 13, 2020. In addition to ERCOT, the following parties filed motions to intervene in this proceeding: Floresville Electric Light and Power System; Fayette Electric Cooperative, Inc.; City of Robstown Utility Systems; CenterPoint Energy Houston Electric, LLC; Texas-New Mexico Power Company; Greenville Electric Utility System; Brazos Electric Power Cooperative, Inc.; City of Garland d/b/a Garland Power & Light; Electric Transmission Texas, LLC; AEP Texas Inc.; Lower Colorado River Authority Transmission Services Corporation; Public Utilities Board of the City of Brownsville, Texas; South Texas Electric Cooperative, Inc.; City of Austin d/b/a Austin Energy; Texas Municipal Power Agency (TMPA); Wind Energy Transmission Texas, LLC; Oncor Electric Delivery Company LLC; City of Weatherford; Sharyland Utilities, L.P.; Lone Star Transmission, LLC; Bandera Electric Cooperative, Inc.; Golden Spread Electric Cooperative, Inc.; City of Bryan d/b/a Bryan Texas Utilities; Rayburn Country Electric Cooperative, Inc.; Lamar County Electric Cooperative Association; Denton Municipal Electric; the “East Texas Cooperatives” collectively, consisting of Cherokee County Electric Cooperative Association, Deep East Texas Electric Cooperative, Inc., Houston County Electric Cooperative, Inc., Jasper-Newton Electric Cooperative, Inc., Rusk County Electric Cooperative, Inc., Sam Houston Electric Cooperative, Inc., Wood County Electric

Cooperative, Inc., and East Texas Electric Cooperative, Inc.; Guadalupe Valley Electric Cooperative, Inc.; Kerrville Public Utility Board; and CPS Energy. Order No. 1 established that if material objections to the 4CP data or proposed changes to the load aggregation used in Docket No. 48928 were raised, an alternative procedural schedule would be applied. On January 10, 2020, Rayburn Country Electric Cooperative, Inc. and Golden Spread Electric Cooperative filed a notice of change to load aggregation. On February 4, 2020, the ALJ issued Order No. 8 implementing an alternative procedural schedule that requires Commission Staff to file the draft transmission charge matrix on or before January 24, 2019. Therefore, this pleading is timely filed on January 24, 2019.

II. DRAFT TRANSMISSION CHARGE MATRIX

The draft transmission charge matrix is included herein as Attachments A, B, C, and D. A Microsoft Excel version of the draft matrix has been uploaded as well. The draft matrix is based on ERCOT's revised report, filed on January 29, 2020.

Pursuant to the procedural schedule established by Order No. 8, initial comments on the draft matrix are due by February 18, 2020 and reply comments are due by March 3, 2020. After incorporating any comments as appropriate, Commission Staff will file the final transmission charge matrix and recommendation by March 10, 2020 in accordance with the procedural schedule established by Order No. 8.

Dated: February 11, 2020

Respectfully Submitted,

**PUBLIC UTILITY COMMISSION OF TEXAS
LEGAL DIVISION**

Thomas S. Hunter
Division Director



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DOCKET NO. 50333

CERTIFICATE OF SERVICE

I certify that a copy of this document will be served on all parties of record on February 11, 2020,
in accordance with 16 TAC § 22.74.



Heath D. Armstrong

Public Utility Commission of Texas

Docket No. 50333

2020 Net Wholesale Trans. Matrix Charges for ERCOT
Parameters

Draft

From ERCOT Filing

Transmission Owners/Load Entities		TCOS	From	Annual	2018
			Docket No.	Access Fee (\$/KW) *	Average 4CP (KW)
AEP Texas Central (Formerly CPL)	AEP-TCC	\$280,015,561	49192	\$4 036612	5,019,420 838
AEP Texas North (Formerly WTU)	AEP-TNC	\$143,357,310	49192	\$2 066591	1,138,438 259
Austin Energy	AENX	\$79,867,536	48352	\$1 187214	2,641,549 105
Bandera Electric Coop	BAND	\$2,839,686	39891	\$0 046272	145,686 517
Bartlett, City of	BART				2,580 350
Bastrop, City of	BAST				16,613 276
Bellville, City of	BELV				12,823 591
Bluebonnet Electric Coop	BLUE	\$1,332,751	47031	See 'Note'	476,375 464
Boerne, City of	BOER				33,840 698
Brady, City of	BRADY				12,729 837
Brazos Electric Coop	BEPC	\$118,506,023	44754	\$1 860941	3,432,770 781
Brenham, City of	BRNM				57,959 991
Bridgeport, City of	BRDG				12,901 835
Brownsville Public Utilities Board	BPUB	\$5,903,258	38556	\$0 097000	268,396 272
Bryan Texas Utilities	BRYN	\$29,719,831	48123	\$0 441779	364,874 083
Burnet, City of	BRNT				18,731 681
CenterPoint Energy Houston Electric	CNP	\$388,968,021	48708	\$5 781925	17,922,833 430
Central Texas Electric Coop	CTEC	\$493,548	40029	See 'Note'	139,983 097
Cherokee County Electric Coop	CCECA	\$288,754	36668	\$0 005010	
Coleman, City of	COLE				8,581 379
College Station, City of	COCS	\$3,744,319	46847	\$0 055256	203,806 153
Cross Texas Transmission, LLC	CTT	\$74,488,119	48369	\$1 107250	
Cuero, City of	CUER				21,089 583
Deaf Smith Electric Cooperative Inc	DSEC				
Deep East Texas Electric Coop	DETEC	\$98,838	36762	\$0 001710	
Denton Municipal Electric	DMEX	\$47,392,925	48963	\$0 704486	332,848 825
East Texas Electric Coop	ETEC	\$73,207	15843	\$0 001606	
Electric Transmission Texas	ETT	\$304,470,645	48340	\$4 525890	
Fannin Electric Coop	FANN	\$152,039	50218	\$0 002192	
Farmers Electric Coop	FECX	\$670,182	47470	\$0 009901	
Farmersville, City of	COFV				6,990 307
Fayette Electric Coop	FAYT	\$22,014	22533	See 'Note'	64,256 114
Flatonia, City of	FLAT				5,730 465
Floresville Electric Power System	FEPS	\$260,322	21643	\$0 005711	85,407 921
Fredericksburg, City of	FRED				32,825 623
Garland Power and Light	GARL	\$51,631,446	48802	\$0 767490	434,430 887
Georgetown, City of	GTWN				149,563 008
GEUS (Formerly Greenville)	GEUS	\$2,350,995	42581	\$0 036030	104,734 943
Giddings, City of	GIDN				12,545 456
Golden Spread Electric Coop	GSEC	\$2,371,389	48500	\$0 035250	296,988 109
Goldsmith, City of	GLDSM				1,446 448
Goldthwaite, City of	GLDW				5,132 334
Gonzales, City of	GONZ				18,203 468
Granbury Municipal Utilities	GRBX				27,305 860
Grayson-Collin Electric Coop	GCEC	\$1,254,048	36984	\$0 020964	
Greenbelt Electric Coop	GBEC				
Guadalupe Valley Electric Coop	GVEC	\$14,242,175	48840	See 'Note'	414,436 277
Hallettsville, City of	HLTS				8,962 317
Hamilton County Electric Coop	HAMC				37,172 529
Hearne, City of	HERN				10,566 588
Hempstead, City of	HEMP				12,423 396
Houston County Electric Coop	HCEC	\$173,378	15583	\$0 003803	
Kerrville Public Utility Board	KPUB	\$21,787	22533	See 'Note'	107,917 971
LaGrange Utilities	LGRG				15,612 194

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Public Utility Commission of Texas

Docket No. 50333

2020 Net Wholesale Trans. Matrix Charges for ERCOT
Parameters

From ERCOT Filing

Transmission Owners/Load Entities		TCOS	From	Annual	2018
			Docket No.	Access Fee (\$/KW) *	Average 4CP (KW)
Lamar County Electric Coop	LCEC	\$79,417	18604	\$0 001644	47,067 139
Lampasas, City of	LMPS				23,714 256
Lexington, City of	LXGN				2,745 071
Lighthouse Electric Coop	LHEC				
Llano, City of	LLAN				10,476 773
Lockhart, City of	LKHT				27,015 666
Lone Star Transmission	LST	\$95,161,226	42469 & 48101	\$1 459731	
Lower Colorado River Authority	LCRA	\$437,799,747	49812	\$6 744198	
Luling, City of	LULG				12,639 417
Lyntegar Electric Coop	LYEC	\$788,374	49943	\$0 011365	
Magic Valley Electric Coop	MVEC				
Mason, City of	MASN				5,471 563
Medina Electric Coop	MECX				
Moulton, City of	MULT				2,250 815
New Braunfels Utilities	NWBU	\$1,666 838	47129	See 'Note'	297,072 442
Oncor Electric Delivery	ONC	\$967,272,505	49793	\$13 943880	25,366,027 120
Pedernales Electric Coop - AEP	PECX1				5,703 328
Pedernales Electric Coop	PECX2	\$12,224,947	49584	See 'Note'	1,481,606 225
Rayburn Country	RCEC	\$4,394,557	48952 & 49921	\$0 067345	894,114 670
Rio Grande Electric Coop	RGEC	\$248,265	31250	\$0 004430	
Rio Grande Electric Coop 1	RGECl				73,464 006
Robstown Utility System, City of	CORUS				20,806 915
San Antonio City Public Service	SA-CPST	\$169,460,706	42579	\$2 597091	4,717,012 213
San Bernard Electric Coop	SBEC	\$2,423,408	44897	\$0 038056	146,257 385
Sanger, City of	SANG				13,462 782
San Marcos, City of	SANM				126,526 436
San Miguel Electric Coop	SMEC	\$1,422,163	49900	\$0 020501	
San Saba, City of	SNSB				9,022 433
Schulenburg, City of	SCHL				13,495 039
Seguin, City of	SEGN				65,255 721
Seymour, City of	SEYM				6,823 255
Sharyland Utilities (TDSP)	SHRY	\$251,937,989	48416	\$3 745003	
Sharyland Utilities - (McAllen)	SHRY-MCAL				
Shiner, City of	SHNR				9,827 963
Smithville, City of	SMTH				9,851 668
South Texas Electric Coop	STEC	\$85,707 822	50174	\$1 235536	1,357,972 842
Southwest Rural Electric Association INC (EDSP)	SWREA				522 013
Southwest Texas Electric Coop	SWTE	\$65,961	50201	\$0 000951	
Taylor Electric Coop	TECX	\$0	49853	\$0 000000	
Texas Municipal Power Agency	TMPA	\$38,237,097	37404	\$0 663267	
Texas-New Mexico Power Company	TNMP	\$73,389,114	49785	\$1 057953	1,856,812 511
Tex-La Electric Coop	TXLA				116,353 411
Trinity Valley Electric Coop	TVEC	\$720,727	48828	\$0 010713	
Waelder, City of	WAEL				4,581 296
Wood County Electric Coop	WCEC	\$158,676	39290	\$0 002586	
Weatherford, City of	WEAT				90,860 039
Weimer, City of	WEIM				7,802 418
Western Farmers Electric Coop	WFEC				750 875
Wind Energy Transmission Texas, LLC	WETT	\$105,569,554	44746 & 48127	\$1 665898	
Yoakum, City of	YOKM				20,019 439
TOTAL		\$ 3,803,439,200		\$56.071031	70,980,872.4
Total ERCOT Postage Stamp Rate \$/KW				\$56.071031	
Hourly On-Peak Rate for the Delivery of Power to be Exported \$/KW-hour**				\$0.019202	
Hourly Off-Peak Rate for the Delivery of Power to be Exported \$/KW-hour**				\$0.006401	
* The charges shown in this matrix only represent charges based upon the approved TCOS Access Fee in effect at the time the Net Payment Matrix is developed. TCOS Access Fee(s) approved after this date, and any Rate Case Expense Surcharge(s) or other charges or credits, shall be obtained from the Commission approved Final Order in the corresponding Docket.					
** Aggregate charges for the use of the ERCOT transmission system in delivering power to be exported from ERCOT as specified in §25.192(e).					

Public Utility Commission of Texas

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Docket No. 50333

2020 Net Wholesale Trans. Matrix Charges for ERCOT

Load Aggregation Per ERCOT 2002 Filing (Docket No. 25002) Adjusted

TDSP to combine to make Lodestar match Planning List.**TDSP Code**

BEPC		TDSP Code
BRAZOS ELECTRIC POWER CO OP INC(TDSP)	23	3,432,770.8
BARTLETT ELECTRIC CO OP INC	19	243 730
CITY OF WHITESBORO	59	46,738.034
COMANCHE ELECTRIC CO OP ASSOCIATION	62	8,608.055
COOKE COUNTY ELECTRIC CO OP ASSOC INC	64	58,750.114
DENTON COUNTY ELEC CO OP DBA COSERVE ELEC	67	81,938 708
FORT BELKNAP ELECTRIC CO OP INC (TDSP)	72	1,386,739.818
HAMILTON COUNTY ELECTRIC CO OP (BRAZOS)	76	21,894.502
HEART OF TEXAS ELECTRIC CO OP	172	17,286.772
HILCO ELECTRIC CO OP INC (TDSP)	77	95,096.983
J A C ELECTRIC CO OP INC	79	131,944.885
MID SOUTH ELECTRIC CO OP ASSOC	88	18,303.581
NAVARRO COUNTY ELECTRIC CO OP INC	89	54,894.111
NAVASOTA VALLEY ELECTRIC CO OP INC	90	96,543.111
SOUTH PLAINS ELECTRIC CO OP INC (TDSP)	96	71,515.207
TRI COUNTY ELECTRIC CO OP INC	99	82,956.035
UNITED ELECTRIC CO OP SERVICES INC	102	677,929.104
WISE ELECTRIC CO OP	103	451,650 880
		129,737.151

BRYN**TDSP Code**

CITY OF BOWIE (TDSP)	110	14,982.503
BRYAN TEXAS UTILITIES (TDSP)*	105	349,891.580

GSEC**TDSP Code**

BIG COUNTRY ELECTRIC CO OP INC (TDSP)	21	33,256.109
COLEMAN COUNTY ELECTRIC CO OP INC (TDSP)	61	31,074.092
CONCHO VALLEY ELECTRIC CO OP INC	63	74,197.958
DEAF SMITH ELECTRIC CO OP	198	-
GREENBELT ELECTRIC CO OP	196	273.878
LIGHTHOUSE ELECTRIC CO OP	83	3,581.029
LYNTEGAR ELECTRIC CO OP INC (TDSP)	85	46,840 664
SOUTHWEST TEXAS ELECTRIC CO OP INC (TDSP)	97	35,133.959
SWISHER ELECTRIC COOPERATIVE INC (EDSP)	201	26.421
TAYLOR ELECTRIC CO OP INC ABILENE (TDSP)	146	72,603.999

RCEC**TDSP Code**

FANNIN COUNTY ELECTRIC CO OP INC	69	36,926.318
FARMERS ELECTRIC CO OP INC DBA FEC ELECTRIC	70	279,661.333
FARMERS ELECTRIC CO OP INC DBA FEC ELECTRIC - NPL	202	10,474 312
FARMERS ELECTRIC CO OP INC ARCO (TDSP)	205	2,532.301
FARMERS ELECTRIC CO OP INC PRTN RC (TDSP)	207	1,381.971
GRAYSON-COLLIN ELECTRIC CO OP INC	74	270,333.641
GRAYSON COLLIN ELECTRIC CO OP INC (TDSP)	177	7,424.360
TRINITY VALLEY ELECTRIC CO OP	100	285,276.405
TRINITY VALLEY ELECTRIC CO OP (TDSP)	176	104.029

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2020 Net Wholesale Trans. Matrix Charges for ERCOT**Load Aggregation Per ERCOT 2002 Filing (Docket No. 25002) Adjusted****TDSP to combine to make Lodestar match Planning List.****TDSP Code**

STEC		1,357,972.8
SOUTH TEXAS ELECTRIC CO OP INC	134	278.774
JACKSON ELECTRICAL CO OP INC	126	85,195.780
KARNES ELECTRIC CO OP INC	127	173,407.635
NUECES ELECTRIC CO OP INC PILOT TDSP	158	155,834.719
SAN MIGUEL ELECTRIC CO OP INC (TDSP)	131	-
SAN PATRICIO ELECTRIC CO OP	132	47,818.206
VICTORIA ELECTRIC CO OP INC	136	109,911.756
WHARTON COUNTY ELECTRIC CO OP INC	138	37,134.551
MAGIC VALLEY ELECTRIC CO OP INC (TDSP)	86	526,637.089
MEDINA ELECTRIC CO OP INC (TDSP) STEC	128	221,754.332

TXLA		116,353.4
RUSK COUNTY ELECTRIC COOPERATIVE INC AEP (EDSP)	204	5,853.451
DEEP EAST TEXAS ELECTRIC CO OP INC	66	13,488.780
HOUSTON COUNTY ELECTRIC CO OP INC	155	
HOUSTON COUNTY ELECTRIC CO OP (TDSP)	78	23,389.084
JASPER-NEWTON ELECTRIC CO OP INC	80	1,282.124
SAM HOUSTON ELECTRIC CO OP INC (TDSP)	94	4,773.099
CHEROKEE COUNTY ELEC CO OP ASSOC	107	64,474.628
CHEROKEE COUNTY ELEC CO OP ASSOC (CORAL POWER AS QS	171	
WOOD COUNTY ELEC CO OP	168	3,092.245

LAMR		47,067.14
LAMAR COUNTY ELEC COOP DBA LEC (TDSP)	82	46,743.86
LAMAR COUNTY ELEC COOP DBA LEC RC HOUPL (TDSP)	182	323.28

REVISED 2019 Four Coincident Peak Load Calculation (MW)

NOTE Numbers for the entities listed below have changed from the original ERCOT 4CP Report as requested in Docket Number 50333 See 2nd tab for revision details

AEP TEXAS CENTRAL COMPANY (TDSP) LAMAR COUNTY ELEC COOP DBA LEC (TDSP) ONCOR ELECTRIC DELIVERY COMPANY LLC (TDSP) and TRINITY VALLEY ELEC CO OP (TDSP)

TDSP Code	Load Entity Name	DUNS NUMBER	June 6/18/2019 17:00	July 7/30/2019 18:30	August 8/12/2019 17:00	September 9/06/2019 16:45	Average 4CP Load	Load Ratio Share
5	AEP TEXAS CENTRAL COMPANY (TDSP)	007924772	5,084,274,062	5,052,686,554	5,275,781,788	4,664,940,948	5,019,420,838	7.07151%
7	AEP TEXAS NORTH COMPANY (TDSP)	007923311	1,071,614,536	1,132,675,792	1,236,337,344	1,093,125,364	1,138,438,259	1.90397%
18	BANDERA ELECTRIC CO OP INC (TDSP)	0089451494000	144,774,476	146,492,680	156,287,704	135,191,208	145,686,517	0.20525%
19	BARTLETT ELECTRIC CO OP INC (TDSP)	002781813	43,498,808	47,178,468	49,829,460	46,445,400	46,738,034	0.06585%
21	BIG COUNTRY ELECTRIC CO OP INC (TDSP)	0058630484000	30,172,500	36,621,520	33,289,540	32,940,876	33,256,109	0.04685%
22	BLUEBONNET ELECTRIC CO OP INC (TDSP)	0524834354000	444,183,832	479,254,036	505,411,348	476,652,640	476,375,646	0.67113%
23	BRAZOS ELECTRIC POWER CO OP INC (TDSP)	0037722904000	-	-	-	0,9749	0,243,730	0.00034%
104	BROWNSVILLE PUBLIC UTILITIES BOARD (TDSP)	6063470374000	270,373,604	268,199,656	278,013,080	256,998,748	268,396,272	0.37812%
105	BRYAN TEXAS UTILITIES (TDSP)	0793907794000	328,578,920	357,611,052	366,242,484	347,133,864	349,891,580	0.49234%
1	CENTERPOINT ENERGY HOUSTON ELECTRIC LLC (TDSP)	957877905	18,015,709,056	17,520,291,480	18,615,756,152	17,539,577,032	17,922,834,330	25.25023%
25	CENTRAL TEXAS ELECTRIC CO OP INC (TDSP)	0079302744000	127,602,908	133,860,864	142,780,668	127,316,432	132,890,218	0.18722%
209	CENTRAL TEXAS ELECTRIC COOPERATIVE - NORTH (TDSP)	0079302744100	6,129,856	7,846,748	7,891,564	6,503,348	7,092,879	0.00959%
107	CHEROKEE COUNTY ELEC CO OP ASSOC (TDSP)	008862625	65,754,372	63,988,076	62,737,600	65,418,464	64,474,628	0.00083%
108	CITY OF AUSTIN DBA AUSTIN ENERGY (TDSP)	8008717664000	2,544,433,148	2,622,019,780	2,777,980,192	2,621,763,300	2,641,549,105	3.72149%
109	CITY OF BARTLETT (TDSP)	074618935	2,405,956	2,611,052	2,734,520	2,569,872	2,580,350	0.00364%
26	CITY OF BASTROP (TDSP)	0851553724000	16,049,744	16,510,832	17,584,832	16,307,696	16,613,276	0.02341%
27	CITY OF BELLVILLE (TDSP)	0935648704000	12,007,700	13,050,368	13,723,736	12,512,560	12,823,591	0.01807%
28	CITY OF BOERNE (TDSP)	0052470694000	32,433,180	33,855,000	36,241,924	32,832,608	33,846,098	0.04768%
110	CITY OF BOWIE (TDSP)	5094182964000	13,008,456	15,217,544	16,447,924	15,256,088	14,982,503	0.02111%
111	CITY OF BRADY (TDSP)	070804877	13,805,440	13,412,328	10,855,140	12,846,440	12,729,837	0.01793%
29	CITY OF BRENHAM (TDSP)	0741649224000	55,848,524	57,637,856	60,236,464	58,117,120	57,959,991	0.08166%
30	CITY OF BRIDGEPORT MUN ELEC SYS (TDSP)	0084280174000	11,744,312	12,932,876	14,162,360	12,767,792	12,901,835	0.01818%
31	CITY OF BURNET (TDSP)	0746121514000	17,774,972	19,202,784	19,466,180	18,482,788	18,731,681	0.02639%
113	CITY OF COLEMAN (TDSP)	1024920604000	8,136,852	8,450,020	9,319,240	8,419,040	8,581,379	0.01209%
114	CITY OF COLLEGE STATION (TDSP)	0403303004000	191,621,612	202,930,488	211,341,696	209,330,816	203,806,153	0.28713%
32	CITY OF CUERO (TDSP)	0526842144000	20,033,472	21,524,016	22,164,376	20,636,468	21,089,583	0.02971%
115	CITY OF FARMERSVILLE (TDSP)	1903494984000	5,912,480	7,131,308	7,660,700	7,256,740	6,990,307	0.00985%
33	CITY OF FLATONIA (TDSP)	0626890134000	5,473,460	5,705,028	6,077,328	5,666,044	5,730,465	0.00807%
116	CITY OF FLORESVILLE DBA FLORESVILLE ELEC LIGHT AND PWR (TDSP)	008948374	83,864,244	83,814,396	91,313,764	82,639,280	85,407,921	0.12033%
34	CITY OF FREDERICKSBURG (TDSP)	0769243074000	32,373,888	33,074,824	34,492,120	31,361,660	32,825,623	0.04625%
117	CITY OF GARLAND (TDSP)	6010125640000	410,388,036	456,297,580	454,430,176	416,607,756	434,430,887	0.61204%
35	CITY OF GEORGETOWN (TDSP)	0895923724000	142,165,220	151,545,448	157,537,744	147,036,20	149,563,008	0.21071%
36	CITY OF GIDDINGS (TDSP)	0096899514000	12,183,908	12,811,052	13,239,312	11,947,552	12,545,456	0.01767%
118	CITY OF GOLDSMITH (TDSP)	0888946704000	1,398,304	1,393,808	1,614,020	1,380,388	1,446,448	0.00204%
37	CITY OF GOLDTHWAITE (TDSP)	1558252764000	4,986,928	5,176,456	5,621,964	4,743,988	5,132,334	0.00723%
38	CITY OF GONZALES (TDSP)	0937385404000	17,227,232	18,173,322	19,623,316	17,775,992	18,203,468	0.02565%
39	CITY OF HALLETTSVILLE (TDSP)	0090811834000	8,438,576	8,939,716	9,551,224	8,919,752	8,962,217	0.01263%
119	CITY OF HEARNE MUNICIPAL ELECTRIC SYSTEM (TDSP)	0897458894000	9,957,708	10,614,420	11,010,884	10,683,340	10,566,588	0.01483%
40	CITY OF HEMPSTEAD (TDSP)	127,217,564,000	11,595,020	12,740,224	12,907,256	12,451,084	12,423,396	0.01750%
41	CITY OF LA GRANGE (TDSP)	0607085184000	14,432,700	15,799,360	16,590,240	15,626,476	15,612,194	0.02199%
42	CITY OF LAMPASAS (TDSP)	0203311204000	22,820,952	23,959,800	25,723,332	22,352,940	23,714,256	0.03341%
43	CITY OF LEXINGTON (TDSP)	0081817324000	2,478,828	2,685,144	3,084,576	2,733,736	2,745,071	0.00387%
44	CITY OF LLANO (TDSP)	0916952054000	10,195,536	10,711,804	11,185,280	9,814,640	10,476,773	0.01476%
45	CITY OF LOCKHART (TDSP)	0746168634000	25,316,864	26,163,160	28,893,292	27,689,348	27,015,666	0.03806%
46	CITY OF LULING (TDSP)	0105539984000	11,967,317	12,715,544	13,556,848	12,317,904	12,639,417	0.01781%
47	CITY OF MASON (TDSP)	156,126,708,000	5,226,868	5,555,708	6,005,940	5,097,736	5,471,563	0.00771%
48	CITY OF MOULTON (TDSP)	0091871544000	2,134,732	2,246,936	2,380,296	2,241,296	2,250,815	0.00317%
121	CITY OF ROBSTOWN UTILITY SYSTEM (TDSP)	9387911424000	20,389,428	21,169,928	21,937,372	19,730,932	20,806,915	0.02931%
49	CITY OF SAN MARCOS (TDSP)	0694628694000	122,689,400	123,748,654	130,761,664	128,906,016	126,526,436	0.17825%
50	CITY OF SAN SABA (TDSP)	0248592254000	8,859,004	8,941,060	9,794,516	8,495,152	9,022,433	0.01271%
51	CITY OF SANGER	058956028	12,192,76	13,667,232	14,692,936	13,298,084	13,462,782	0.01897%
52	CITY OF SCHULENBURG (TDSP)	0532950364000	12,758,032	13,670,700	14,263,004	13,284,820	13,495,039	0.01901%
53	CITY OF SEGUIN (TDSP)	0862819794000	63,880,288	64,667,668	68,612,952	63,861,976	65,255,721	0.09193%
54	CITY OF SEYMOUR (TDSP)	166319145	5,790,956	6,813,216	7,795,416	6,893,792	6,823,255	0.00961%
55	CITY OF SHINER (TDSP)	1504533714000	10,037,996	9,834,168	10,429,536	9,010,352	9,827,963	0.01345%
56	CITY OF SMITHVILLE (TDSP)	0916978134000	9,313,812	9,704,632	10,379,704	10,008,524	9,851,668	0.01388%
57	CITY OF WAELDER (TDSP)	0541779649000	4,522,146	4,515,492	4,816,224	4,471,052	4,581,296	0.00645%
58	CITY OF WEIMAR (TDSP)	0214974584000	7,566,932	7,948,884	8,213,228	7,481,068	7,802,418	0.01095%
59	CITY OF WHITESBORO (TDSP)	134546522	7,544,088	8,812,304	9,468,784	8,607,044	8,608,055	0.01213%
60	CITY OF YOAKUM (TDSP)	0694557724000	19,916,746	20,051,464	21,027,348	19,082,648	20,019,439	0.02820%
61	COLEMAN COUNTY ELECTRIC CO OP INC (TDSP)	0079246734000	29,114,760	29,831,612	33,959,886	31,399,008	31,074,092	0.04378%
62	COMANCHE ELECTRIC CO OP ASSOCIATION (TDSP)	002889210	48,406,312	61,903,68	65,086,960	59,604,116	58,750,114	0.08277%
63	CONCHO VALLEY ELECTRIC CO OP INC (TDSP)	0038666624000	72,103,058	69,238,156	82,177,632	73,275,336	74,197,958	0.10453%
64	COOKE COUNTY ELECTRIC CO OP ASSOC INC (TDSP)	008951808	72,390,748	83,984,812	89,089,740	82,289,532	81,938,708	0.11544%
122	CPS ENERGY (TDSP)	0079360734000	4,619,646,464	4,725,598,228	4,995,485,384	4,527,318,776	4,717,012,213	0.64547%
198	DEAF SMITH ELECTRIC COOPERATIVE INC (EDSP)	0079307464999	-	-	-	-	0,000,000	0.00000%
66	DEEP EAST TEXAS ELECTRIC CO OP INC (TDSP)	047845623	12,463,160	11,809,956	14,847,212	14,837,479	13,488,780	0.01900%
67	DENTON COUNTY ELEC CO OP DBA COSERVE ELEC (TDSP)	008947913	1,193,166,004	1,443,585,288	1,522,547,428	1,387,660,552	1,386,739,818	1.95368%
123	DENTON MUNICIPAL ELECTRIC (TDSP)	0713801904000	306,853,248	335,393,232	358,864,940	330,284,784	332,848,625	0.46863%
193	ENTERGY TEXAS INC (EDSP)	8012610534999	-	-	-	-	0,000,000	0.00000%
69	FANNIN COUNTY ELECTRIC CO OP INC	0018220894000	29,030,472	37,366,620	41,870,788	39,437,392	36,926,318	0.05202%
205	FARMERS ELECTRIC CO OP INC ARCO (TDSP)	0098442344200	4,1921	1,4646	3,210,240	1,260,646	2,532,301	0.00357%
70	FARMERS ELECTRIC CO OP INC DBA FEC ELECTRIC	0098442344000	244,209,888	289,460,456	304,582,508	280,392,380	279,661,333	0.39400%
202	FARMERS ELECTRIC CO OP INC NPL (TDSP)	0098442344100	10,887,952	10,852,192	11,142,144	9,014,960	10,474,312	0.01476%
207	FARMERS ELECTRIC CO OP INC PRTN RC (TDSP)	0098442344300	1,2234	1,468716	1,448888	1,386,916	1,381,971	0.00195%
71	FAYETTE ELECTRIC CO OP INC (TDSP)	059330974000	60,423,544	64,904,021	68,064,580	63,632,230	64,256,114	0.09053%
72	FORT BELKNAP ELECTRIC CO OP INC (TDSP)	007935299	18,902,144	23,147,032	23,511,616	22,012,716	21,894,502	0.03085%
125	GEUS (TDSP)	8062449354000	94,588,956	108,509,908	112,807,760	103,042,148	104,734,943	0.14755%
73	GRANBURY MUNICIPAL UTILITIES (TDSP)	0952141694000	24,773,84	28,908,336	29,271,292	26,264,628	27,305,860	0.03847%
177	GRAYSON COLLIN ELECTRIC CO OP INC (AEP AS QSE)	0089538124000	12,478,332	10,729,796	6,366,936	0,122,376	7,424,360	0.01046%
74	GRAYSON COLLIN ELECTRIC CO OP INC (TDSP)	008953812	217,512,424	279,953,396	301,500,592	282,368,152	270,335,641	0.38085%
196	GREENBELT ELECTRIC COOPERATIVE INC (EDSP)	0098338564999	1,0955	-	-	-	0,273,878	0.00039%
75	GUADALUPE VALLEY ELECTRIC CO OP INC (TDSP)	0079305894000	401,869,236</td					

79	J A C ELECTRIC CO OP INC (TDSP)	003890795	16 382724	18 194876	20 018956	18 617768	18 303581	0.02579%
126	JACKSON ELECTRIC CO OP INC (TDSP)	078423555	83 700576	85 552424	88 058580	83 471540	85 195780	0.12003%
80	JASPER NEWTON ELECTRIC CO OP INC (TDSP)	007933518	1 374084	0 938020	1 457540	1 358852	1 282124	0.00181%
127	KARNES ELECTRIC CO OP INC (TDSP)	006824106	171 948948	175 258456	181 416748	165 006388	173 407635	0.24430%
81	KERRVILLE PUBLIC UTILITY BOARD (TDSP)	1248248064000	106 443468	109 072588	114 401852	101 753976	107 917971	0.15204%
82	LAMAR COUNTY ELEC COOP DBA LEC (TDSP)	0048060974000	39 653364	47 248765	52 098265	47 975030	46 743856	0.06585%
182	LAMAR COUNTY ELEC COOP DBA LEC RC HOUL (TDSP)	0048060974100	0 081556	0 089756	0 085712	1 036108	0 323283	0.00046%
83	LIGHTHOUSE ELECTRIC CO OP (TDSP)	0028252894000	1 940740	4 323660	4 261932	3 797784	3 581029	0.00505%
85	LYNTEGAR ELECTRIC CO OP INC (TDSP)	0079371474000	24 392896	40 972896	39 237284	35 932760	35 133959	0.04950%
86	MAGIC VALLEY ELECTRIC CO OP INC (TDSP)	008951501	540 495252	528 969540	562 164664	474 918900	526 637089	0.74194%
128	MEDINA ELECTRIC CO OP INC (TDSP) STEC	0081378124000	224 021416	217 503472	230 601664	214 890776	221 754332	0.31241%
88	MID SOUTH ELECTRIC CO OP ASSOC	061278594	51 957408	55 104968	56 999776	55 514292	54 894111	0.07734%
89	NAVARRO COUNTY ELECTRIC CO OP INC (TDSP)	006770101	88 870128	101 571516	98 961064	96 769736	98 543111	0.13601%
90	NAVASOTA VALLEY ELECTRIC CO OP INC (TDSP)	046299913	65 948332	69 899596	74 880452	75 332448	71 515207	0.10075%
91	NEW BRAUNFELS UTILITIES (TDSP)	0383461694000	286 422508	306 547144	302 616240	292 703876	297 072442	0.41852%
158	NUECES ELECTRIC COOP INC (TDSP)	0088268574800	147 909284	159 322816	166 098340	150 008436	155 834719	0.21954%
2	ONCOR ELECTRIC DELIVERY COMPANY LLC (TDSP)	1039940674000	23,696 056578	25,869 839398	26,994 220556	24,903 991948	25,366 027120	35.73843%
145	PEDERNALES ELEC CO OP INC AEP (TDSP)	0079241114100	5 018572	5 851496	6 301756	5 641488	5 703328	0.00804%
210	PEDERNALES ELEC CO OP INC DCP (TDSP)	0079241114400	3 422896	3 796280	3 983376	4 464604	3 916789	0.00552%
92	PEDERNALES ELECTRIC CO OP INC (TDSP)	0079241114000	1,406 379672	1,465 660876	1,587 954020	1,450 763176	1,477 689436	2.08181%
199	RIO GRANDE ELECTRIC COOPERATIVE INC (TDSP) 2C	0027819534200	69 784244	74 786220	77 019656	72 265904	73 464006	0.10350%
204	RUSK COUNTY ELECTRIC COOPERATIVE INC AEP (EDSP)	0098444404991	2 101096	3 821368	9 248864	8 242476	5 853451	0.00825%
203	RUSK COUNTY ELECTRIC COOPERATIVE INC TSK (EDSP)	0098444404999	-	-	-	-	0 000000	0.00000%
94	SAM HOUSTON ELECTRIC CO OP INC (TDSP)	056267867	4 909120	3 592484	5 383492	5 207300	4 773099	0.00672%
95	SAN BERNARD ELECTRIC CO OP (TDSP)	0089453134000	138 008956	147 511044	154 137392	145 372148	146 257385	0.20605%
131	SAN MIGUEL ELECTRIC CO OP INC (TDSP)	0884448524000	-	-	-	-	0 000000	0.00000%
132	SAN PATRICIO ELECTRIC CO OP (TDSP)	003864907	46 648764	50 653936	50 958304	43 011820	47 818206	0.06737%
96	SOUTH PLAINS ELECTRIC CO OP INC (TDSP)	007934185	81 723192	81 274444	86 306480	82 520024	82 956035	0.11687%
134	SOUTH TEXAS ELECTRIC CO OP INC (TDSP)	0038663324000	0 9787	-	-	0 1364	0 278774	0.00039%
200	SOUTHWEST RURAL ELECTRIC ASSOCIATION INC (EDSP)	0079071734999	1 7571	-	0 3309	-	0 522013	0.00074%
97	SOUTHWEST TEXAS ELECTRIC CO OP INC (TDSP)	0084158954000	44 174880	48 253852	47 944768	46 989156	46 840664	0.06599%
201	SWISHER ELECTRIC COOPERATIVE INC (EDSP)	0098337734999	0 1057	-	-	-	0 026421	0.00004%
146	TAYLOR ELECTRIC CO OP INC ABILENE (TDSP)	0079344254100	73 562828	75 334836	73 310816	68 207516	72 603999	0.10229%
4	TEXAS-NEW MEXICO POWER CO (TDSP)	007929441	1,830 539028	1,823 278152	1,960 502196	1,812 930668	1,856 812511	2.61593%
99	TRI COUNTY ELECTRIC CO OP INC (TDSP)	008945123	614 283092	697 405988	732 271448	667 755888	677 929104	0.95509%
100	TRINITY VALLEY ELEC CO OP (TDSP)	009844564	256 598780	284 137861	304 474660	295 894320	285 276405	0.40191%
176	TRINITY VALLEY ELECTRIC COOPERATIVE INC LPL (TDSP)	0098445644000	0 106024	0 101996	0 106116	0 101980	0 104029	0.00015%
102	UNITED ELECTRIC CO OP SERVICES INC (TDSP)	008945826	420 796576	464 132252	479 413316	442 261376	451 650880	0.63630%
136	VICTORIA ELECTRIC CO OP INC (TDSP)	008953861	103 495292	111 572776	114 926360	109 652596	109 911756	0.15485%
137	WEATHERFORD MUNICIPAL UTILITY SYSTEM (TDSP)	0817196274000	83 809368	93 314472	99 453544	86 862772	90 860039	0.12801%
153	WESTERN FARMERS ELECTRIC COOPERATIVE (TDSP)	0728624074000	0 560300	0 730444	0 898228	0 814528	0 750875	0.00106%
138	WHARTON COUNTY ELECTRIC CO OP INC (TDSP)	118487958	35 176568	36 899788	37 666376	38 795472	37 134551	0.05232%
103	WISE ELECTRIC CO OP (TDSP)	041405408	118 157792	135 479160	140 085596	125 226056	129 737151	0.18278%
168	WOOD COUNTY ELECTRIC COOPERATIVE INC (TDSP)	008952491	4 024876	0 126472	4 048720	4 1689	3 092245	0.00436%
Total			68,369,766260	71,254,449754	76,006,083625	69,293,189982	70,980,872405	100.00000%

* Note DC Tie exports, Block Load Transfer exports, and Wholesale Storage Loads are excluded from this report

Public Utility Commission of Texas

Docket No 50333

2020 Net Wholesale Trans Matrix Charges for ERCOT

Net Payment Matrix

* The charges shown in this matrix only represent charges based upon the approved TCOM Access Fee(s) in effect at the time the Net Payment Matrix is developed. TCOM Access Fee(s) approved after this date, and any Rate Case

Expenditure Charge(s) or other charges (Expense, Surcharge(s)) shall be obtained from the Commission approved Final Order in the corresponding Docket.

Draft

AFP TCC	AFP INC	AFN	BAND	BART	BAST	BALV	BLUF	BDRK	BDRY	BHPC	BHVN	BHVG	BPU	BRYN	BRNT	CNP	CTX	EGNA	
AFP INC	\$ 777,056	\$ 4,701,762	\$355,819	\$10,416	\$1,764	\$10,224,941	\$1,66,061	\$1,785	\$1,785	\$4,515,316	\$219,402	\$52,080	\$96,528	\$744,620	\$76,013	\$41,325,610	\$565,057	\$25,447	
AFP INC	\$ 50	\$ 4,107,472	\$248,396	\$5,333	\$14,333	\$20,501	\$694,473	\$69,255	\$26,307	\$4,75,367	\$119,780	\$26,663	\$444,237	\$281,167	\$38,711	\$30,456,780	\$292,288	\$5,704	
AFNS	\$ 403,782	\$ 107,432	\$ 0	\$50,750	\$1,061	\$10,724	\$15,224	\$65,560	\$40,176	\$15,113	\$840,334	\$68,811	\$1,317	\$62,414	\$733,769	\$22,239	\$6,005,000	\$16,190	\$13,234
BAND	\$ 51,819	\$26,396	\$1,770	\$0	\$119	\$760	\$5,911	\$2,043	\$1,766	\$11,221	\$1,787	\$2,082	\$1,72	\$47,476	\$6,67	\$13,116	\$6,477	\$730	
BART	\$10,416	\$ 333	\$1,063	\$110	\$0	\$10	\$1	\$1	\$1	\$4,302	\$0	\$0	\$250	\$1,140	\$0	\$14,419	\$0	\$13	
BAST	\$ 67,061	\$ 333	\$10,724	\$769	\$0	\$10	\$1	\$1	\$1	\$10,116	\$0	\$0	\$1,611	\$7,339	\$0	\$96,187	\$0	\$53	
BLV	\$ 26,501	\$15,224	\$991	\$0	\$10	\$10	\$1	\$1	\$1	\$25,864	\$0	\$0	\$1,244	\$5,963	\$0	\$74,145	\$0	\$64	
BLV	\$ 1,772,988	\$96,473	\$456,360	\$22,041	\$0	\$0	\$1	\$1	\$1	\$36,807	\$0	\$0	\$4,208	\$219,453	\$0	\$2,754,367	\$0	\$17,367	
BORR	\$10,176	\$69,161	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$65,997	\$0	\$0	\$1,203	\$14,990	\$0	\$105,064	\$0	\$170	
BRADS	\$ 51,385	\$26,367	\$1,113	\$989	\$0	\$10	\$1	\$1	\$1	\$27,089	\$0	\$0	\$1,215	\$5,924	\$0	\$73,003	\$0	\$64	
BRPC	\$ 4,455,367	\$699,132	\$172,271	\$4,802	\$80,260	\$23,464	\$86,317	\$6,296	\$23,089	\$1,781	\$6,861	\$24,010	\$166,491	\$32,737	\$74,591	\$13,512	\$260,941	\$17,198	
BRNN	\$ 21,362	\$11,780	\$6,811	\$172	\$92	\$10	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,422	\$28,706	\$0	\$33,120	\$0	\$290	
BRDG	\$ 25,006	\$11,317	\$597	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,121	\$5,700	\$0	\$74,597	\$0	\$5	
BRUB	\$ 396,528	\$444,237	\$62,414	\$1,712	\$250	\$1,011	\$1,244	\$46,208	\$1,283	\$1,235	\$166,491	\$5,622	\$1,251	\$1,179	\$13,117	\$130,168	\$13,378	\$1,345	
BRVS	\$744,620	\$251,110	\$711,797	\$47,478	\$1,140	\$7,130	\$5,605	\$210,453	\$13,991	\$5,624	\$1,737	\$1,256	\$83,179	\$0	\$25,275	\$5,808,257	\$61,942	\$1,878	
BRNT	\$ 7,613	\$ 311	\$22,234	\$6,807	\$0	\$10	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,117	\$5,725	\$0	\$108,305	\$0	\$94	
BRST	\$10,416,010	\$6,005,000	\$11,016	\$14,911	\$7,145	\$2,744,367	\$10,664	\$73,663	\$1,781	\$10,512	\$333,120	\$74,917	\$10,668	\$8,838	\$10,305	\$0	\$809,372	\$89,793	
CBF	\$ 500,000	\$209,150	\$166,491	\$1,477	\$10	\$10	\$1	\$1	\$1	\$209,090	\$0	\$0	\$1,178	\$61,842	\$0	\$80,372	\$0	\$701	
CDPL	\$ 50,000	\$11,274	\$70,174	\$1,713	\$81	\$64	\$2,387	\$1,770	\$1,64	\$17,146	\$2,40	\$65	\$1,345	\$1,928	\$0	\$80,793	\$0	\$1	
CDQS	\$ 50,000	\$11,181	\$6,807	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,169	\$1,761	\$0	\$4,417	\$0	\$43	
CDPS	\$ 50,000	\$13,276	\$10,991	\$1,381	\$145	\$105	\$70,174	\$2,740	\$1,783	\$1,607,935	\$6,700	\$1,251	\$1,256	\$1,179	\$13,117	\$130,168	\$13,378	\$1,345	
CFTE	\$ 5,557,754	\$1,265,316	\$2,224,855	\$1,611,311	\$2,87	\$18,198	\$1,400	\$557,467	\$7,470	\$1,784	\$1,607,935	\$6,700	\$1,251	\$1,256	\$1,179	\$13,117	\$130,168	\$13,378	\$1,345
CHRS	\$ 85,130	\$ 25,006	\$1,766	\$6,807	\$0	\$10	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,146	\$5,700	\$0	\$21,741	\$0	\$10	
CHIE	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
CHPS	\$ 5,663	\$1,453	\$5,997	\$4	\$10	\$10	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$10	\$0	\$0	
CHPS	\$ 1,202,330	\$114,151	\$1,405,772	\$87,232	\$1,818	\$11,704	\$9,034	\$13,646	\$2,740	\$1,783	\$1,607,935	\$6,700	\$1,251	\$1,256	\$1,179	\$13,117	\$130,168	\$13,378	\$1,345
CHPS	\$ 5,663	\$1,453	\$5,997	\$4	\$10	\$10	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$10	\$0	\$0	
CHPS	\$ 22,713,347	\$1,151,446	\$1,151,446	\$639,461	\$11,78	\$7,196	\$9,036	\$2,146,021	\$1,781	\$1,783	\$1,607,935	\$6,700	\$1,251	\$1,256	\$1,179	\$13,117	\$130,168	\$13,378	\$1,345
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,766	\$0	\$10	\$1	\$1	\$1	\$1	\$10,260	\$0	\$0	\$5,147	\$5,700	\$0	\$21,741	\$0	\$10	
CHRN	\$ 1,001,031	\$25,285	\$1,7																

Draft

**Public Utility Commission of Texas
Docket No. 50333
2020 Net Wholesale Trans Matrix Charges for FRC OI
Net Payment Matrix**

Draft

Public Utilities Commission of Texas
Docket No. 50333
2020 Net Wholesale Trans Matrix Charges for FRCO1
Net Payment Matrix

THRC	L1AN	L1HT	L1ST	L1CRA	L1LG	L1W	MVR	MANN	MDEN	MULT	NWRC	ONC	PBX1	PBX2	RDE	RGM	RGX1	CGRS	
AEP TCC	\$0	\$42,291	\$1,076,152	\$7,327,104	\$33,851,368	\$1,020	\$7,046	\$0	\$22,087	\$0	\$9,086	\$1,199,166	\$12,402,607	\$2,102	\$5,040,667	\$1,271,160	\$22,216	\$296,546	\$81,389
AEP TNC	\$0	\$21,051	\$5,830	\$1,161,174	\$7,077,831	\$26,121	\$12,918	\$0	\$11,307	\$0	\$4,652	\$10,327	\$36,546,637	\$1,179	\$7,061,374	\$1,271,161	\$5,048	\$151,820	\$42,596
AENX	\$0	\$12,438	\$1,073	\$1,885,191	\$17,815,130	\$1,066	\$10,021	\$0	\$4,496	\$0	\$2,672	\$1,172,687	\$6,718,541	\$0,771	\$1,758,364	\$88,610	\$11,702	\$87,217	\$24,302
BAND	\$0	\$485	\$1,250	\$2,124,663	\$9,623	\$0	\$1,656	\$0	\$2,253	\$0	\$104	\$1,173,746	\$1,57,988	\$204	\$108,557	\$1,162	\$645	\$13,399	\$963
BART	\$0	\$0	\$0	\$3,767	\$17,740	\$0	\$29	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$172	\$11	\$0	\$0	
BAST	\$0	\$0	\$0	\$2,251	\$11,204,3	\$0	\$189	\$0	\$0	\$0	\$0	\$0	\$231,654	\$0	\$119	\$2	\$0	\$0	
BEVY	\$0	\$0	\$0	\$16,771	\$36,486	\$0	\$146	\$0	\$0	\$0	\$0	\$0	\$101	\$1,78,911	\$0	\$0	\$57	\$0	
BLLE	\$0	\$0	\$0	\$6,075	\$301	\$1,212,770	\$0	\$5,414	\$0	\$0	\$0	\$0	\$1,645,322	\$0	\$0	\$32,182	\$2,110	\$0	
BORR	\$0	\$0	\$0	\$4,095	\$228	\$228	\$0	\$885	\$0	\$0	\$0	\$0	\$4,71,471	\$0	\$0	\$2,270	\$150	\$0	
BRADY	\$0	\$0	\$0	\$18,842	\$8,853	\$0	\$145	\$0	\$0	\$0	\$0	\$1,77,593	\$0	\$0	\$957	\$59	\$0		
BRPS	\$0	\$19,497	\$37,275	\$2,010,022	\$29,147,266	\$27,121	\$39,131	\$0	\$10,162	\$0	\$4,180	\$1,172,834	\$601,464	\$1,011,114	\$2,797,182	\$1,412,714	\$1,20,207	\$136,712	\$38,721
BRSH	\$0	\$0	\$0	\$8,166	\$30,934	\$0	\$692	\$0	\$0	\$0	\$0	\$106,187	\$0	\$0	\$1,013	\$257	\$0		
BRUG	\$0	\$0	\$0	\$18,931	\$8,701	\$0	\$147	\$0	\$0	\$0	\$0	\$1,79,402	\$0	\$0	\$669	\$37	\$0		
BPCM	\$0	\$1,016	\$2,621	\$39,176	\$11,011,118	\$1,226	\$1,050	\$0	\$131	\$0	\$213	\$28,611	\$1,261,663	\$1,143,716	\$18,654	\$1,181	\$7,126	\$2,018	
BRVN	\$0	\$4,028	\$1,935	\$5,512,015	\$12,460,783	\$5,584	\$147	\$0	\$2,417	\$0	\$994	\$1,170,240	\$1,118,416	\$2,229	\$604,543	\$379,429	\$1,016	\$32,355	\$9,192
BRENT	\$0	\$0	\$0	\$27,343	\$1,263,380	\$0	\$213	\$0	\$0	\$0	\$0	\$101	\$260,192	\$0	\$0	\$1,261	\$83	\$0	
CNP	\$0	\$60,776	\$16,203	\$26,162,516	\$10,875,137	\$17,080	\$20,093	\$0	\$1,646	\$0	\$17,114	\$1,171,761	\$10,149,173	\$12,176	\$8,566,536	\$1,962,687	\$70,398	\$424,763	\$120,304
CTR	\$0	\$0	\$0	\$204,338	\$104,074	\$0	\$1,141	\$0	\$0	\$0	\$0	\$1,151,561	\$0	\$0	\$4,427	\$160	\$0		
CCPA	\$0	\$52	\$173	\$0	\$0	\$63	\$0	\$27	\$0	\$11	\$1,458	\$1,177,084	\$0	\$7,423	\$4,480	\$0	\$368	\$104	
COFF	\$0	\$0	\$0	\$1,527	\$7,875	\$0	\$108	\$0	\$0	\$0	\$0	\$1,19,658	\$0	\$0	\$378	\$38	\$0		
COCS	\$0	\$779	\$1,493	\$2,977,912	\$11,172,889	\$6,978	\$2,116	\$0	\$102	\$0	\$124	\$1,140,213	\$1,181,568	\$1,160,601	\$913	\$4,059	\$1,151	\$0	
CTT	\$0	\$1,010	\$2,913	\$0	\$1	\$1,065	\$0	\$108	\$0	\$2,412	\$1,172,211	\$2,08,166	\$1,160,501	\$1,00,101	\$81,143	\$23,038	\$0		
CTR	\$0	\$0	\$0	\$30,785	\$14,232	\$0	\$240	\$0	\$0	\$0	\$0	\$1,79,071	\$0	\$0	\$1,420	\$95	\$0		
DBE	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,261,192	\$0	\$0	\$1,261	\$83	\$0		
DETTE	\$0	\$18	\$0	\$0	\$0	\$22	\$0	\$0	\$0	\$0	\$4	\$1,476	\$0	\$0	\$2,54	\$0	\$0		
DMAX	\$0	\$7,151	\$1,012	\$485,870	\$2,244,298	\$5,894	\$1,783	\$0	\$1,655	\$0	\$1,786	\$1,172,283	\$1,125,216,507	\$4,185	\$1,047,771	\$607,415	\$1,275	\$114,658	\$0
DRK	\$0	\$17	\$43	\$0	\$0	\$20	\$0	\$0	\$0	\$0	\$4	\$1,37	\$0	\$0	\$2,37	\$1,236	\$0		
DTT	\$0	\$47,417	\$12,270	\$0	\$0	\$57,205	\$0	\$0	\$26,764	\$0	\$1,182	\$1,144,171	\$11,013,534	\$1,172,813	\$7,705,087	\$1,46,665	\$1,312,490	\$94,170	\$0
FANN	\$0	\$25	\$0	\$0	\$0	\$24	\$0	\$0	\$12	\$0	\$0	\$1,61	\$1,05,602	\$0	\$1,246	\$1,16	\$1,01	\$46	
FR X	\$0	\$164	\$267	\$0	\$0	\$125	\$0	\$0	\$14	\$0	\$2,411	\$1,149	\$1,149,661	\$1,16,553	\$1,227	\$2,016	\$0		
GCPY	\$0	\$0	\$0	\$110,204	\$47,144	\$0	\$79	\$0	\$0	\$0	\$0	\$1,47,472	\$0	\$0	\$1,471	\$31	\$0		
FATE	\$0	\$0	\$0	\$9,197	\$4,333,156	\$0	\$730	\$0	\$0	\$0	\$0	\$105,986	\$0	\$0	\$1,3,2	\$255	\$0		
FLAT	\$0	\$0	\$0	\$8,165	\$1,06,647	\$0	\$16	\$0	\$0	\$0	\$0	\$1,78,5	\$0	\$0	\$1,76	\$5	\$0		
FPS	\$0	\$0	\$0	\$124,071	\$5,76,008	\$72	\$971	\$0	\$1,151	\$0	\$1,056	\$1,146,063	\$1,11	\$1,46,461	\$1,211	\$1,420	\$11,119	\$0	
FRED	\$0	\$0	\$0	\$7,071	\$4,721,183	\$0	\$731	\$0	\$0	\$0	\$0	\$1,47,717	\$0	\$0	\$2,211	\$145	\$0		
GARL	\$0	\$0	\$0	\$1,511	\$4,152	\$0	\$4,937	\$0	\$1,144	\$0	\$1,727	\$1,125,060	\$1,110,529	\$1,17,471*	\$1,137,118	\$1,60,467	\$1,12	\$16,383	\$11,569
GESS	\$0	\$0	\$0	\$12,188	\$1,12,322	\$0	\$1,008,685	\$0	\$1,709	\$0	\$1	\$1,68,485	\$0	\$0	\$1,012	\$603	\$0		
GDIN	\$0	\$127	\$73	\$1,12,395	\$7,06,155	\$455	\$1,06	\$0	\$1,02	\$0	\$81	\$1,10,741	\$1,16,474	\$209	\$1,13,562	\$1,24,647	\$780		
GDIN	\$0	\$0	\$0	\$1,11,313	\$8,04,609	\$0	\$143	\$0	\$0	\$0	\$0	\$1,74,132	\$0	\$0	\$84	\$56	\$0		
GLDM	\$0	\$0	\$0	\$4,133,221	\$1,92,447	\$446	\$1,175	\$0	\$1,015	\$0	\$7	\$1,247,142	\$2,101	\$1,22,22	\$1,11,317	\$1,11,310	\$2,59	\$773	
GLDN	\$0	\$0	\$0	\$1,111,111	\$1,11,111	\$0	\$16	\$0	\$0	\$0	\$0	\$1,20,169	\$0	\$0	\$97	\$6	\$0		
GLDN	\$0	\$0	\$0	\$7,492	\$13,113	\$0	\$18	\$0	\$0	\$0	\$0	\$1,71,365	\$0	\$0	\$1,246	\$23	\$0		
GNZ	\$0	\$0	\$0	\$26,172	\$12,268	\$0	\$10,020	\$0	\$0	\$0	\$0	\$1,25,527	\$0	\$0	\$1,226	\$51	\$0		
GRBS	\$0	\$0	\$0	\$1,18,439	\$18,436	\$0	\$110	\$0	\$0	\$0	\$0	\$1,65,760	\$0	\$0	\$1,59,120	\$121	\$0		
GRBS	\$0	\$0	\$0	\$0	\$0	\$6	\$1,055	\$0	\$1,175	\$0	\$47	\$1,22,228	\$1,11,771	\$1,21	\$1,744	\$1,240	\$24	\$0	
GWR	\$0	\$0	\$0	\$1,064,465	\$5,10,080	\$6	\$4,710	\$0	\$0	\$0	\$0	\$1,77,450	\$0	\$0	\$2,77,450	\$0	\$0		
HETS	\$0	\$0	\$0	\$13,983	\$6,01,244	\$0	\$1,02	\$0	\$0	\$0	\$0	\$1,21,49	\$0	\$0	\$1,21,49	\$40	\$0		
HAME	\$0	\$0	\$0	\$5,202	\$2,010,080	\$0	\$1,022	\$0	\$0	\$0	\$0	\$1,22,499	\$0	\$0	\$1,22,499	\$40	\$0		
HERN	\$0	\$0	\$0	\$15,424	\$71,261	\$0	\$120	\$0	\$0	\$0	\$0	\$1,58,125	\$0	\$0	\$1,58,125	\$165	\$0		
HESP	\$0	\$0	\$0	\$1,19,195	\$1,12,266	\$0	\$141	\$0	\$0	\$0	\$0	\$1,47,330	\$0	\$0	\$1,712	\$47	\$0		
HEB	\$0	\$0	\$0	\$0	\$0	\$6	\$1,055	\$0	\$1,170	\$0	\$1,65,475	\$2,12,375	\$2	\$1,65,475	\$553	\$0			
KPCT	\$0	\$0	\$0	\$1,747,531	\$72,720,20	\$0	\$1,226	\$0	\$0	\$0	\$0	\$1,66,635	\$1,13,618	\$1,14,401	\$1,14,401	\$1,279	\$79		
LGHC	\$0	\$0	\$0	\$22,790	\$1,12,292	\$0	\$1,737	\$0	\$0	\$0	\$0	\$1,21,695	\$0	\$0	\$1,21,695	\$478	\$0		
LCR	\$0	\$17	\$44	\$8,905	\$17,743,70	\$21	\$335	\$0	\$12	\$0	\$4	\$1,245,345	\$1,16,644	\$1,23,435	\$1,23,435	\$1,31	\$3		
LAMPS	\$0	\$0	\$0	\$14,616	\$15,934	\$0	\$270	\$0	\$0	\$0	\$0	\$1,76,161	\$0	\$0	\$1,76,161	\$299	\$1,21		
LXGS	\$0	\$0	\$0	\$14,167	\$18,513	\$0	\$1,533	\$0	\$0	\$0	\$0	\$1,71,661	\$0	\$0	\$1,71,661	\$305	\$0		
LHBC	\$0	\$0	\$0	\$0	\$0	\$10	\$1,055	\$0	\$1,055	\$0	\$1,055	\$1,055	\$0	\$0	\$1,055	\$37	\$0		
LHBC	\$0	\$0	\$0	\$1,13,701	\$1,04,849	\$0	\$170	\$0	\$0	\$0	\$0	\$1,25,308	\$0	\$0	\$1,25,308	\$40	\$0		
LHBN	\$0	\$0	\$0	\$12,999	\$1,01,113	\$0	\$1,153	\$0	\$0	\$0	\$0	\$1,18,13	\$0	\$0	\$1,18,13	\$30	\$0		
LHBN	\$0	\$0	\$0	\$14,526	\$14,019,998	\$0	\$742	\$0	\$0	\$0	\$0	\$1,09,918	\$0	\$0	\$1,09,918	\$35	\$0		
SPNM	\$0	\$0	\$0	\$1,640	\$1,04,017	\$0	\$78	\$0	\$0	\$0	\$0	\$1,05,143	\$0	\$0	\$1,05,143	\$460	\$0		
SIRY	\$0	\$0	\$0	\$1,124,695	\$1,12,119	\$0	\$1,118	\$0	\$0	\$0	\$0	\$1,20,090	\$1,12,124	\$1,12,124	\$1,12,124	\$1,16,166	\$2,427		
SIRY MCAL	\$0	\$0	\$0	\$1,171,174	\$1,12,127	\$0	\$1,123	\$0	\$0	\$0	\$0	\$1,21,497	\$1,12,138	\$1,12,138	\$1,12,138	\$1,16,166	\$2,427		
SIRY MCAL	\$0	\$0	\$0	\$1,14,146	\$1,04,442	\$0	\$1,112	\$0	\$0	\$0	\$0	\$1,21,497	\$1,12,138	\$1,12,138	\$1,12,138	\$1,16,166	\$2,427		
SIRY MCAL	\$0	\$0	\$0	\$1,14,146	\$1,04,442	\$0	\$1,112	\$0	\$0	\$0	\$0	\$1,21,497	\$1,12,138	\$1,12,138	\$1,12,138	\$1,16,166	\$2,427		
SMTH	\$0	\$0	\$0	\$1,14,141	\$1,04,442	\$0	\$1,112	\$0	\$0	\$0	\$0	\$1,21,497	\$1,12,138	\$1,12,138	\$1,12,138	\$1,16,166	\$2,427		
STR	\$0	\$12,444	\$1,17,179	\$1,08,278	\$1,18,418	\$0	\$1,016	\$1,14,433	\$0	\$1,761	\$0	\$2,781	\$1,17,174	\$1,12,224	\$1,12,224	\$1,12,224	\$1,12,224		
SWREA	\$0	\$0	\$0	\$762	\$1,12,127	\$0	\$10	\$1,016	\$0	\$2,781	\$0	\$2,781	\$1,12,224	\$1,12,					

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Docket No 50333
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Draft

TXLA	TRIC	WARE	WC#*	WRET	WSEM	WPB	WFET	YOKM	Total
APP TCC	\$46,674	\$51,771	\$18,493	\$12,001	\$506,767	\$31,405	\$7,031	\$8,361,243	\$87,831
APP TMC	\$24,455	\$12,116	\$9,468	\$2,444	\$187,771	\$16,124	\$1,552	\$1,896,222	\$41,372
APPX	\$118,336	\$28,299	\$14,319	\$6,831	\$107,270	\$9,263	\$801	\$4,406,551	\$23,767
BAND	\$5,184	\$1,361	\$212	\$3,277	\$4,204	\$361	\$18	\$242,069	\$9,226
BART	\$0	\$28	\$0	\$7	\$0	\$0	\$0	\$4,246	\$0
BAST	\$0	\$178	\$0	\$43	\$0	\$0	\$0	\$27,076	\$0
BEA	\$0	\$112	\$0	\$33	\$0	\$0	\$0	\$21,363	\$0
BEUP	\$0	\$4,103	\$0	\$1,232	\$0	\$0	\$0	\$701,931	\$0
BLER	\$0	\$163	\$0	\$88	\$0	\$0	\$0	\$56,175	\$0
BRADY	\$0	\$137	\$0	\$33	\$0	\$0	\$0	\$21,210	\$0
BRP	\$216,527	\$36,728	\$5,261	\$8,877	\$169,088	\$14,210	\$1,397	\$1,718,646	\$37,258
BRNN	\$0	\$621	\$0	\$101	\$0	\$0	\$0	\$96,555	\$0
BRUG	\$0	\$138	\$0	\$33	\$0	\$0	\$0	\$21,493	\$0
BRWB	\$11,286	\$2,828	\$444	\$6,924	\$8,813	\$787	\$71	\$427,121	\$1,487
BRYS	\$1,402	\$1,009	\$2,024	\$6,944	\$10,140	\$1,437	\$132	\$607,943	\$8,944
BRNT	\$0	\$201	\$0	\$48	\$0	\$0	\$0	\$11,205	\$0
CMP	\$972,747	\$12,067	\$26,486	\$46,148	\$25,346	\$45,113	\$4,342	\$29,857,612	\$1,17,781
CTP*	\$0	\$1,800	\$0	\$362	\$0	\$0	\$0	\$231,195	\$0
CRA	\$83	\$0	\$23	\$10	\$488	\$79	\$4	\$0	\$10,514
COTF	\$0	\$92	\$0	\$22	\$0	\$0	\$0	\$14,296	\$0
COTS	\$6,429	\$2,183	\$253	\$7,227	\$7,021	\$431	\$39	\$339,520	\$1,106
CTT	\$128,832	\$0	\$5,073	\$0	\$10,010	\$5,619	\$31	\$0	\$22,167
CTR	\$0	\$207	\$0	\$55	\$0	\$0	\$0	\$15,133	\$0
DASH	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
DTTR	\$0	\$100	\$0	\$38	\$0	\$0	\$0	\$34	\$11,177
DMEX	\$81,969	\$5,760	\$12,227	\$601	\$64,010	\$5,497	\$729	\$554,492	\$14,311
DTK	\$187	\$0	\$7	\$10	\$146	\$13	\$1	\$0	\$32
FTT	\$26,603	\$1	\$20,734	\$0	\$411,223	\$18,113	\$3,398	\$0	\$91,066
FANN	\$255	\$1	\$10	\$10	\$17	\$2	\$0	\$44	\$481,167
FDX	\$1,132	\$0	\$45	\$10	\$961	\$77	\$7	\$0	\$79,474
FCV	\$0	\$75	\$0	\$14	\$0	\$0	\$0	\$17,476	\$0
FATT	\$0	\$688	\$0	\$166	\$0	\$0	\$0	\$17,044	\$0
FLAT	\$0	\$61	\$0	\$15	\$0	\$0	\$0	\$9,541	\$0
FPDS	\$664	\$415	\$26	\$221	\$510	\$45	\$4	\$14,251	\$114
FRBD	\$0	\$712	\$0	\$65	\$0	\$0	\$0	\$14,044	\$0
GARI	\$80,104	\$1,054	\$1,116	\$1,123	\$6,714	\$5,988	\$76	\$723,718	\$15,368
GTWN	\$0	\$160	\$0	\$37	\$0	\$0	\$0	\$29,157	\$0
GWS	\$4,192	\$1,122	\$168	\$271	\$2,274	\$261	\$27	\$174,478	\$721
GWSN	\$0	\$134	\$0	\$37	\$0	\$0	\$0	\$20,571	\$0
GWSR	\$0	\$101	\$0	\$16	\$0	\$0	\$0	\$13,437	\$0
GWSST	\$0	\$185	\$0	\$768	\$2,013	\$278	\$26	\$94,757	\$767
GWTW	\$0	\$15	\$0	\$4	\$0	\$0	\$0	\$2,411	\$0
GZQZ	\$0	\$195	\$0	\$47	\$0	\$0	\$0	\$30,122	\$0
GWRS	\$0	\$201	\$0	\$71	\$0	\$0	\$0	\$24,484	\$0
GZB*	\$2,430	\$0	\$65	\$10	\$1,615	\$164	\$16	\$0	\$420
GZBS	\$0	\$1	\$1	\$1	\$1	\$1	\$1	\$0	\$0
GZC*	\$0	\$440	\$0	\$1,172	\$0	\$0	\$0	\$61,409	\$1,17,876
GZTS	\$0	\$5	\$0	\$21	\$0	\$0	\$0	\$12,961	\$0
HAKR	\$0	\$198	\$0	\$36	\$0	\$0	\$0	\$1,412	\$0
HBRN	\$0	\$113	\$0	\$27	\$0	\$0	\$0	\$8,501	\$0
HDSMP	\$0	\$111	\$0	\$71	\$0	\$0	\$0	\$30,125	\$0
HKR	\$0	\$413	\$0	\$17	\$0	\$0	\$0	\$20,108	\$0
KPTB	\$0	\$11,6	\$0	\$226	\$0	\$0	\$0	\$76,963	\$0
LGRC	\$0	\$163	\$0	\$46	\$0	\$0	\$0	\$26,105	\$0
LPCM	\$0	\$194	\$0	\$122	\$149	\$113	\$1	\$78,469	\$33
LMPS	\$0	\$234	\$0	\$68	\$0	\$0	\$0	\$39,506	\$0
LYR*	\$0	\$20	\$0	\$21	\$0	\$0	\$0	\$11,948	\$0
LHBR	\$0	\$50	\$0	\$1	\$0	\$0	\$0	\$15,919	\$0
LLAN	\$0	\$112	\$0	\$27	\$0	\$0	\$0	\$17,443	\$0
LJHT	\$0	\$209	\$0	\$79	\$0	\$0	\$0	\$45,105	\$0
LST	\$169,445	\$0	\$1,087	\$0	\$132,031	\$11,385	\$1,086	\$0	\$29,223
LCRA	\$784,710	\$0	\$10,937	\$0	\$612,775	\$52,221	\$5,164	\$0	\$151,018
LUTG	\$0	\$135	\$0	\$33	\$0	\$0	\$0	\$478,709	\$0
LYR*	\$1,132	\$0	\$52	\$133	\$1,033	\$280	\$9	\$0	\$76,705
MVR*	\$0	\$0	\$0	\$10	\$0	\$0	\$0	\$228	\$0
MASH	\$0	\$59	\$0	\$14	\$0	\$0	\$0	\$9,115	\$0
MBX	\$0	\$0	\$0	\$16	\$0	\$0	\$0	\$10,794	\$0
MUFT	\$0	\$24	\$0	\$10	\$0	\$0	\$0	\$7,781	\$0
NWB	\$0	\$1,183	\$0	\$768	\$0	\$0	\$0	\$494,902	\$0
ONC	\$1,622,418	\$271,746	\$68,992	\$1,266,041	\$108,239	\$10,470	\$1,217,214	\$2,76,149	\$432,550,534
PRX_X1	\$0	\$1	\$15	\$1	\$0	\$0	\$0	\$9,501	\$0
PRX_X2	\$0	\$1,872	\$0	\$3,331	\$0	\$0	\$0	\$2,468,205	\$0
RBC*	\$7,346	\$0,279	\$1,009	\$2,31,113	\$2,228	\$131	\$1,289,104	\$1,348,148	\$3,025,189
RGAR	\$515	\$0	\$20	\$403	\$378	\$33	\$3	\$0	\$31,144,144
RGRL	\$0	\$787	\$0	\$140	\$0	\$0	\$0	\$122,384	\$0
RCRS	\$0	\$223	\$0	\$334	\$0	\$0	\$0	\$134,062	\$0
SA_CPT	\$302,190	\$0,531	\$11,906	\$12,178	\$235,977	\$20,264	\$1,050	\$7,658,161	\$1,19,492
SBBE	\$4,428	\$1,367	\$174	\$178	\$5,458	\$29	\$29	\$241,650	\$76,2
SANG	\$0	\$144	\$0	\$19	\$0	\$0	\$0	\$22,425	\$0
SANN	\$0	\$135	\$0	\$327	\$0	\$0	\$0	\$20,760	\$0
SDMC	\$2,385	\$0	\$41	\$6	\$1,813	\$160	\$15	\$0	\$145,129
SSNR	\$0	\$97	\$0	\$73	\$0	\$0	\$0	\$15,530	\$0
SCDL	\$0	\$145	\$0	\$35	\$0	\$0	\$0	\$22,481	\$0
SEBN	\$0	\$66	\$0	\$169	\$0	\$0	\$0	\$18,709	\$0
SPFM	\$0	\$73	\$0	\$18	\$0	\$0	\$0	\$11,7	\$0
SHRY	\$435,744	\$1	\$17,157	\$0	\$340,271	\$2,220	\$2,812	\$0	\$74,073
SHYV_MCAI	\$0	\$1	\$0	\$10	\$0	\$0	\$0	\$0	\$165,413,590
SHYR	\$0	\$105	\$0	\$22	\$0	\$0	\$0	\$16,412	\$0
SMTH	\$0	\$106	\$0	\$25	\$0	\$0	\$0	\$16,412	\$0
STB*	\$14,799	\$14,528	\$5,061	\$3,512	\$112,261	\$9,640	\$26	\$2,262,244	\$154,715
SWRRA	\$0	\$0	\$0	\$1	\$0	\$0	\$0	\$8,701	\$0
SWTB	\$111	\$0	\$4	\$10	\$86	\$7	\$1	\$0	\$47,503
TECX	\$0	\$17	\$0	\$10	\$0	\$0	\$0	\$0	\$0
TMDA	\$77,173	\$0	\$1,039	\$0	\$61,264	\$1,175	\$408	\$0	\$13,378
TNMP	\$1,23,196	\$19,492	\$4,847	\$4,802	\$16,126	\$8,255	\$704	\$1,093,260	\$21,180
TILA	\$0	\$1,246	\$0	\$301	\$0	\$0	\$0	\$193,933	\$0
TRIC	\$1,249	\$0	\$49	\$12	\$0	\$0	\$0	\$274	\$76,418
WARE	\$0	\$49	\$0	\$12	\$0	\$0	\$0	\$7,632	\$0
WCBS	\$704,418	\$0	\$12	\$12	\$23	\$20	\$2	\$0	\$154,878
WEAT	\$0	\$733	\$0	\$235	\$0	\$0	\$0	\$1,364	\$0
WEIM	\$0	\$84	\$0	\$20	\$1	\$0	\$0	\$12,998	\$0
WFR	\$0	\$8	\$0	\$2	\$0	\$0	\$0	\$1,251	\$0
WFET	\$191,833	\$0	\$7,612	\$0	\$1,1364	\$12,999	\$1,281	\$0	\$13,380
YOKM	\$0	\$214	\$0	\$32	\$0	\$0	\$0	\$33,301	\$0
Total	\$6,524,056	\$740,418	\$256,678	\$183,557	\$5,094,616	\$437,490	\$42,101	\$110,246,993	\$1,122,511