AUSTIN ENERGY'S	§	**BEFORE THE CITY OF AUSTIN**
2022 BASE RATE REVIEW	§	
	§	**IMPARTIAL HEARING EXAMINER**

AUSTIN ENERGY'S RESPONSE TO SIERRA CLUB AND PUBLIC CITIZEN'S
FIRST REQUEST FOR INFORMATION

Austin Energy files this Response to Sierra Club and Public Citizen's ("SCPC") First Request for Information ("RFI") submitted on May 19, 2022.[1] Pursuant to the 2022 Austin Energy Base Rate Review Procedural Guidelines § F(2)(f)(1), this Response is timely filed.

Respectfully submitted,

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ATTORNEYS FOR THE CITY OF AUSTIN D/B/A AUSTIN ENERGY

[1] Sierra Club and Public Citizen's First Request for Information was submitted to the Rate Review Administrator after 12:00 pm on May 18, 2022, so it is considered submitted the following business day, on May 19, 2022.

SCPC 1-1: Filing Package page 9 states that "If customer growth and sales trends continue, Austin Energy will be better able to maintain the proposed rates without the accompanying financial strain that currently impacts the utility." Please provide all analyses produced by or for the company of the impact of customer and sales growth rates on Austin Energy's projected profit margin.

ANSWER: Attached, please find Austin Energy's five-year forecast. The forecast assumes a January 1, 2023 implementation of updated rates. The full impact of the rate update will not be realized until FY 2024. A second 5% rate increase is preliminarily assumed for the forecast. With the base rate updates, the fund beginning balances are stabilized, compared to the decreased balances realized from FY 2020 through FY 2023. These forecasts assume long-term growth rates of 1.7% for customer growth and .6% for energy sales growth. Due to the wide disparity between customer growth and energy sales growth, revenues are growing slower than customers.

See also Austin Energy's Response to SCPC 1-2.

Attachment SCPC 1-1: Austin Energy Department Five Year Forecast

Prepared by: JHO

Sponsored by: Rusty Maenius

Enterprise Fund Projections

Austin Energy Department Five Year Forecast

	Actual 2020	Actual 2021	Budget 2022	CYE 2022	Forecast 2023	Forecast 2024	Forecast 2025	Forecast 2026	Forecast 2027
BEGINNING BALANCE	413,409,738	387,799,387	261,018,082	234,309,716	203,309,289	189,842,514	191,928,621	193,995,264	195,443,871
REVENUE									
Base Revenue	617,506,790	607,315,909	629,480,229	631,520,209	677,467,127	687,680,462	730,885,102	739,814,065	748,676,203
PSA Revenue	420,065,608	325,224,838	482,458,483	481,365,730	469,298,009	458,987,656	451,910,218	443,262,277	441,463,607
Community Benefit Revenue	54,577,926	50,461,746	58,171,775	67,782,365	74,197,801	76,970,311	77,857,649	78,698,347	79,579,515
Regulatory Revenue	153,368,687	164,849,014	167,629,842	173,734,981	183,999,222	190,977,122	197,519,241	204,222,236	211,107,181
Transmission Revenue	83,791,065	84,029,342	91,546,021	87,931,063	95,328,338	97,462,364	105,988,596	114,541,763	116,441,324
Other Revenue	49,973,450	54,500,014	57,007,707	57,007,707	60,807,358	62,502,028	63,745,779	65,020,772	66,329,044
Interest Income	10,577,499	2,426,433	3,964,439	3,964,439	6,779,477	6,751,393	6,886,822	7,076,414	7,213,701
TOTAL REVENUE	1,389,861,025	1,288,807,296	1,490,258,496	1,503,306,494	1,567,877,332	1,581,331,336	1,634,793,407	1,652,635,874	1,670,810,575
PROGRAM REQUIREMENTS									
PSA Expenses	367,919,380	272,844,778	422,253,118	422,253,118	408,685,000	398,359,000	391,254,000	382,582,000	380,758,000
Recoverable Expenses	153,368,687	164,849,014	167,675,750	173,521,686	183,681,043	190,558,171	197,008,204	203,619,119	210,408,853
Non-Fuel Operations & Maintenance	345,372,211	362,571,448	405,637,783	361,434,617	400,443,945	402,214,377	411,207,199	420,428,471	429,884,427
Conservation	14,569,938	14,856,465	16,938,699	16,193,806	17,958,387	18,385,271	18,824,961	19,277,842	19,744,310
Conservation Rebates	20,370,692	22,091,040	22,551,910	27,009,199	26,727,000	26,727,000	26,727,000	26,727,000	26,727,000
Nuclear and Coal Plants Operating	98,983,652	90,703,271	87,833,737	92,583,167	97,728,040	86,935,960	95,869,480	105,774,560	91,481,840
Other Operating Expenses	5,755,057	16,642,218	5,633,711	8,516,525	7,011,168	7,020,107	7,227,709	7,274,691	7,353,372
TOTAL PROGRAM REQUIREMENTS	1,006,339,617	944,558,232	1,128,524,708	1,101,512,118	1,142,234,583	1,130,199,886	1,148,118,553	1,165,683,683	1,166,357,801
TRANSFERS OUT									
Debt Service	152,090,465	159,644,954	161,909,759	161,909,759	167,073,514	185,771,358	189,604,066	197,414,936	197,630,374
Capital Improvement Program	80,495,689	143,082,965	40,245,149	88,315,013	83,827,638	67,906,713	65,253,426	47,712,083	56,396,515
General Fund	111,000,000	114,000,000	114,000,000	114,000,000	115,000,000	119,000,000	125,000,000	132,000,000	136,000,000
Contingency Reserve Fund	-	-	-	-	-	-	20,000,000	5,000,000	10,000,000
Capital Reserve	(381,411)	(1,977,318)	-	-	-	-	5,000,000	20,000,000	10,000,000
Non-Nuclear Decommissioning	8,000,000	8,000,000	8,000,000	8,000,000	8,000,000	8,000,000	8,000,000	8,000,000	8,000,000
All Other Transfers	61,213,184	63,952,295	55,899,119	59,534,570	64,141,847	67,268,751	70,619,242	74,211,146	78,063,838
TOTAL TRANSFERS OUT	412,417,927	486,702,896	380,054,027	431,759,342	438,042,999	447,946,823	483,476,735	484,338,165	496,090,728
TOTAL OTHER REQUIREMENTS	573,267	642,116	1,035,461	1,035,461	1,066,525	1,098,521	1,131,476	1,165,420	1,200,383
TOTAL REQUIREMENTS	1,419,330,812	1,431,903,244	1,509,614,196	1,534,306,921	1,581,344,107	1,579,245,229	1,632,726,763	1,651,187,268	1,663,648,912
EXCESS (DEFICIENCY) OF TOTAL									

AVAILABLE FUNDS OVER TOTAL REQUIREMENTS	(29,469,786)	(143,095,948)	(19,355,700)	(31,000,427)	(13,466,775)	2,086,107	2,066,643	1,448,606	7,161,662
ADJUSTMENT TO GAAP	3,859,435	(10,393,724)	-	-	-	-	-	-	-
ENDING BALANCE	387,799,387	234,309,716	241,662,382	203,309,289	189,842,514	191,928,621	193,995,264	195,443,871	202,605,533

SCPC 1-2: Filing Package page 9 states that "If customer growth and sales trends continue, Austin Energy will be better able to maintain the proposed rates without the accompanying financial strain that currently impacts the utility." Does Austin Energy anticipate that the current rate increase proposal would alleviate the indicated financial strain even if the balance between fixed and variable billing determinants were maintained? Please explain why or why not.

ANSWER: Austin Energy understands this request to be asking if, assuming Austin Energy's revenue request were met however the current general rate design were maintained, would the current financial strain be alleviated.

If the current rate design were maintained, the immediate financial strain would be temporarily alleviated. However, the long-term challenge of revenue growth being far less than customer growth will continue. The likely result will be Austin Energy requiring a rate adjustment sooner than will otherwise be the case.

The current rate design puts an unfair burden on Customer Assistance Program customers due to their usage profile in the higher tiers.

Prepared by: JHO

Sponsored by: Rusty Maenius

SCPC 1-3: Filing Package page 10 states that "the shift in residential energy sales has dramatically reduced the proportion of energy consumption in the higher tiers such that average base revenue per residential customer is shrinking." Please provide all data and analyses relied upon by Austin Energy in drawing this conclusion. Please include historical residential energy sales data by tier over the past 10 years.

ANSWER: The sentence referenced in the request comes from Section 1.1, which is the introduction to the 2022 Base Rate Filing Package. See Section 7.2.2 for data and analyses relied upon by Austin Energy.

See Attachment SCPC 1-3A for sales data by tier for FY 2012, and see SCPC 1-3B for sales data by tier between FY 2013 and FY 2021. Please note that Austin Energy's tiered rate structure did not exist prior to FY 2013.

Attachment SCPC 1-3A: FY 2012

Attachment SCPC 1-3B: FY 2013 - FY 2021

Prepared by: AAM

Sponsored by: Rusty Maenius

GL_MTH	RS_CD	RTYP	KWH_USE	T1_KWH	T2_KWH	T3_KWH	T4_KWH	T5_KWH
201110	E-RES	CAP	9,324,117	3,418,580	2,776,494	1,710,277	1,090,159	328,607
201110	E-RES	STD	451,968,107	171,359,101	125,855,992	68,668,188	49,099,900	36,984,926
201111	E-RES	CAP	5,512,282	3,015,800	1,449,963	407,095	133,199	506,225
201111	E-RES	STD	263,449,404	149,997,766	63,139,784	19,445,510	11,477,949	19,388,395
201112	E-RES	CAP	4,543,031	2,467,919	1,340,593	467,924	208,262	58,333
201112	E-RES	STD	256,281,950	142,285,615	64,717,658	22,916,820	14,428,854	11,933,003
201201	E-RES	CAP	5,514,415	2,702,416	1,554,520	702,279	452,951	102,249
201201	E-RES	STD	299,960,779	147,491,318	77,878,170	34,185,127	24,849,158	15,557,006
201202	E-RES	CAP	4,776,788	2,863,149	1,266,372	431,751	188,931	26,585
201202	E-RES	STD	240,669,447	143,366,125	57,923,509	20,256,902	12,114,327	7,008,584
201203	E-RES	CAP	4,869,160	2,951,653	1,318,980	408,858	163,796	25,873
201203	E-RES	STD	248,778,608	148,635,689	61,115,059	20,253,721	11,716,149	7,057,990
201204	E-RES	CAP	5,214,434	3,052,138	1,503,518	458,992	167,622	32,164
201204	E-RES	STD	265,339,665	153,509,844	69,022,611	22,235,642	12,549,026	8,022,542
201205	E-RES	CAP	5,866,161	3,013,528	1,823,153	701,004	284,269	44,207
201205	E-RES	STD	317,190,920	161,639,662	89,095,716	33,955,619	19,603,399	12,896,524
201206	E-RES	CAP	7,719,340	3,000,241	2,277,343	1,279,866	738,819	423,071
201206	E-RES	STD	433,228,329	171,363,752	122,891,162	65,353,273	45,655,624	27,964,518
201207	E-RES	CAP	8,529,067	3,065,636	2,547,426	1,623,615	1,104,765	187,625
201207	E-RES	STD	483,005,405	172,410,714	135,763,023	81,144,754	60,973,639	32,713,275
201208	E-RES	CAP	9,464,948	3,058,239	2,746,227	1,859,369	1,443,853	357,260
201208	E-RES	STD	518,583,566	173,837,471	141,151,705	89,670,419	73,419,041	40,504,930
201209	E-RES	CAP	8,551,271	3,196,905	2,581,881	1,556,741	1,017,952	197,792
201209	E-RES	STD	477,196,452	174,507,974	133,831,723	77,751,112	58,521,029	32,584,614

FISCAL	IN_OUT	DISCOUNT_TYPE	TIER_CD	KWH_USE
FY13	IN	CAP	T0	0
FY13	IN	CAP	T1	55537417
FY13	IN	CAP	T2	33035053
FY13	IN	CAP	T3	15661982
FY13	IN	CAP	T4	9110634
FY13	IN	CAP	T5	1685220
FY13	IN		T0	1567825
FY13	IN		T1	1661182415
FY13	IN		T2	851683620
FY13	IN		T3	356544668
FY13	IN		T4	204622905
FY13	IN		T5	71597106
FY13	OUT	CAP	T0	0
FY13	OUT	CAP	T1	6093699
FY13	OUT	CAP	T2	4862527
FY13	OUT	CAP	T3	3193948
FY13	OUT	CAP	T4	2657762
FY13	OUT	CAP	T5	889730
FY13	OUT		T0	519048
FY13	OUT		T1	279254600
FY13	OUT		T2	210168433
FY13	OUT		T3	137385187
FY13	OUT		T4	139714749
FY13	OUT		T5	115418759
FY14	IN	CAP	T0	0
FY14	IN	CAP	T1	171701551
FY14	IN	CAP	T2	102836196
FY14	IN	CAP	T3	46530925
FY14	IN	CAP	T4	24143799
FY14	IN	CAP	T5	3521649
FY14	IN		T0	-343481
FY14	IN		T1	1586857615
FY14	IN		T2	818406113
FY14	IN		T3	340384179
FY14	IN		T4	193648467
FY14	IN		T5	69434374
FY14	OUT	CAP	T0	0
FY14	OUT	CAP	T1	20135947
FY14	OUT	CAP	T2	16100179
FY14	OUT	CAP	T3	10449701
FY14	OUT	CAP	T4	8385235
FY14	OUT	CAP	T5	2655660
FY14	OUT		T0	-49637
FY14	OUT		T1	276462850
FY14	OUT		T2	209700729
FY14	OUT		T3	140370367

FY14	OUT		T4	148442377
FY14	OUT		T5	124924646
FY15	IN	CAP	T0	0
FY15	IN	CAP	T1	203105824
FY15	IN	CAP	T2	116534757
FY15	IN	CAP	T3	49952225
FY15	IN	CAP	T4	24934449
FY15	IN	CAP	T5	3582264
FY15	IN		T0	-270351
FY15	IN		T1	1591197013
FY15	IN		T2	799182488
FY15	IN		T3	322748227
FY15	IN		T4	180943817
FY15	IN		T5	64637161
FY15	OUT	CAP	T0	0
FY15	OUT	CAP	T1	25246927
FY15	OUT	CAP	T2	19787919
FY15	OUT	CAP	T3	12304577
FY15	OUT	CAP	T4	9429814
FY15	OUT	CAP	T5	2988017
FY15	OUT		T0	-12457
FY15	OUT		T1	281327232
FY15	OUT		T2	210383167
FY15	OUT		T3	138762271
FY15	OUT		T4	144087445
FY15	OUT		T5	119638892
FY16	IN	CAP	T0	0
FY16	IN	CAP	T1	177826632
FY16	IN	CAP	T2	101367154
FY16	IN	CAP	T3	42876237
FY16	IN	CAP	T4	20096726
FY16	IN	CAP	T5	2409317
FY16	IN		T0	-78808
FY16	IN		T1	1640451762
FY16	IN		T2	793745109
FY16	IN		T3	312211499
FY16	IN		T4	168637240
FY16	IN		T5	59902526
FY16	OUT	CAP	T0	0
FY16	OUT	CAP	T1	22769865
FY16	OUT	CAP	T2	17232862
FY16	OUT	CAP	T3	10064045
FY16	OUT	CAP	T4	7080863
FY16	OUT	CAP	T5	1876386
FY16	OUT		T0	-43885
FY16	OUT		T1	289963186
FY16	OUT		T2	210700896

FY16	OUT		T3	135030211
FY16	OUT		T4	135116181
FY16	OUT		T5	109039526
FY17	IN	CAP	T0	0
FY17	IN	CAP	T1	173772591
FY17	IN	CAP	T2	100715183
FY17	IN	CAP	T3	41668707
FY17	IN	CAP	T4	19303158
FY17	IN	CAP	T5	2320732
FY17	IN		T0	4681
FY17	IN		T1	1697780605
FY17	IN		T2	821902276
FY17	IN		T3	317334184
FY17	IN		T4	171224067
FY17	IN		T5	60634544
FY17	OUT	CAP	T0	0
FY17	OUT	CAP	T1	22956096
FY17	OUT	CAP	T2	17580356
FY17	OUT	CAP	T3	9932317
FY17	OUT	CAP	T4	6562275
FY17	OUT	CAP	T5	1426653
FY17	OUT		T0	205
FY17	OUT		T1	295740151
FY17	OUT		T2	215648952
FY17	OUT		T3	136394341
FY17	OUT		T4	135980055
FY17	OUT		T5	111861623
FY18	IN	CAP	T0	0
FY18	IN	CAP	T1	163431978
FY18	IN	CAP	T2	95329741
FY18	IN	CAP	T3	42152795
FY18	IN	CAP	T4	21461664
FY18	IN	CAP	T5	2797392
FY18	IN		T0	2124
FY18	IN		T1	1755465715
FY18	IN		T2	870205698
FY18	IN		T3	363014498
FY18	IN		T4	210325461
FY18	IN		T5	74656158
FY18	OUT	CAP	T0	0
FY18	OUT	CAP	T1	22001104
FY18	OUT	CAP	T2	16696748
FY18	OUT	CAP	T3	9822765
FY18	OUT	CAP	T4	7035656
FY18	OUT	CAP	T5	1822691
FY18	OUT		T0	175
FY18	OUT		T1	304410035

FY18	OUT		T2	222347135
FY18	OUT		T3	144514633
FY18	OUT		T4	150138349
FY18	OUT		T5	130805706
FY19	IN	CAP	T0	0
FY19	IN	CAP	T1	146992068
FY19	IN	CAP	T2	82810817
FY19	IN	CAP	T3	34400971
FY19	IN	CAP	T4	15888105
FY19	IN	CAP	T5	1720538
FY19	IN		T0	5428
FY19	IN		T1	1802572240
FY19	IN		T2	856835232
FY19	IN		T3	336692831
FY19	IN		T4	185634932
FY19	IN		T5	65008462
FY19	OUT	CAP	T0	0
FY19	OUT	CAP	T1	20202804
FY19	OUT	CAP	T2	15223005
FY19	OUT	CAP	T3	8803146
FY19	OUT	CAP	T4	5775456
FY19	OUT	CAP	T5	1157000
FY19	OUT		T0	-63279
FY19	OUT		T1	314359280
FY19	OUT		T2	225920828
FY19	OUT		T3	143817209
FY19	OUT		T4	142984228
FY19	OUT		T5	115733684
FY20	IN	CAP	T0	0
FY20	IN	CAP	T1	150775590
FY20	IN	CAP	T2	89563414
FY20	IN	CAP	T3	38651106
FY20	IN	CAP	T4	17677355
FY20	IN	CAP	T5	1736652
FY20	IN		T0	5291
FY20	IN		T1	1847261748
FY20	IN		T2	911296547
FY20	IN		T3	366160690
FY20	IN		T4	201791645
FY20	IN		T5	69480111
FY20	OUT	CAP	T0	0
FY20	OUT	CAP	T1	22002199
FY20	OUT	CAP	T2	17409792
FY20	OUT	CAP	T3	10452005
FY20	OUT	CAP	T4	6649747
FY20	OUT	CAP	T5	1218116
FY20	OUT		T0	2562

FY20	OUT		T1	324183917
FY20	OUT		T2	236531104
FY20	OUT		T3	151889981
FY20	OUT		T4	151183903
FY20	OUT		T5	123943161
FY21	IN	CAP	T0	0
FY21	IN	CAP	T1	150726976
FY21	IN	CAP	T2	84184798
FY21	IN	CAP	T3	33200099
FY21	IN	CAP	T4	14435222
FY21	IN	CAP	T5	1591258
FY21	IN		T0	6388
FY21	IN		T1	1882729049
FY21	IN		T2	875435226
FY21	IN		T3	324506604
FY21	IN		T4	171638892
FY21	IN		T5	59816014
FY21	OUT	CAP	T0	0
FY21	OUT	CAP	T1	23826912
FY21	OUT	CAP	T2	18026215
FY21	OUT	CAP	T3	9891800
FY21	OUT	CAP	T4	5887228
FY21	OUT	CAP	T5	1204128
FY21	OUT		T0	3032
FY21	OUT		T1	333784863
FY21	OUT		T2	237116744
FY21	OUT		T3	146178805
FY21	OUT		T4	143430320
FY21	OUT		T5	114598127

SCPC 1-4: Filing package page 10 states that "low income customers enrolled in the Customer Assistance Program (CAP)...tend to consume electricity at a higher percentage in the higher-priced tiers." Please provide all data and analyses relied upon by Austin Energy in drawing this conclusion. Please include all available historical residential energy sales data by tier and income level over the past 10 years.

ANSWER: The sentence referenced in the request comes from Section 1.1, which is the introduction to the 2022 Base Rate Filing Package. See Section 7.2.3 for data and analyses relied upon by Austin Energy.

See Attachments SCPC 1-3A and SCPC 1-3B for historical residential energy sales data by tier. There is no specific income data responsive to the request. However, the energy sales data for Customer Assistance Program customers is reported separately. Please note that Austin Energy's tiered rate structure did not exist prior to FY 2013.

Prepared by: AAM

Sponsored by: Rusty Maenius

SCPC 1-5: Did Austin Energy consider or analyze alternatives to its proposal of "Reducing the number of Residential rate tiers from five to three, flattening the tiers, and increasing customer charge to better recover fixed costs"? See Filing Package page 15. Please provide all workpapers supporting Austin Energy's development of its proposed rate structure, and all analyses or alternative rate structures considered.

ANSWER: No. Austin Energy did not consider or analyze alternative residential rate designs.

For the workpapers supporting Austin Energy's development of its proposed rate structure, please follow the steps below:

a) Copy the following link into your web browser: https://austinenergy.com/ae/rates/2022-base-rate-review/2022-base-rate-recommendations

b) Pull up the website at the link and scroll down to the hyperlink "2022 Cost of Service Workbook (3 MB - Excel 2016)," which appears as the third bullet under the heading, "Documents Available for Download and Review."

c) Click on the hyperlink. A Microsoft Excel version of Austin Energy's cost study should download to your computer.

d) Open the file, which is named "AE-RFP-FY2021-Rate-Review-FINAL.XLS."

e) Scroll to the worksheet named, "WP H-5.1," which appears toward the end of the cost study and is the workpaper that supports the development of the proposed residential rate structure.

With respect to the request for workpapers and all analyses supporting alternative rate structures considered, there are no responsive documents.

Prepared by: BTM

Sponsored by: Brian Murphy

SCPC 1-6: Austin Energy states that its proposed cost allocation "methodologies and practices are recognized by the American Public Power Association (APPA), the National Association of Regulatory Utility Commissioners (NARUC), the National Rural Electric Cooperative Association (NRECA), and consistent with the Public Utility Regulatory Act (PURA)." See Filing Package page 47. Please identify and provide studies or reports from each of the organizations identified supporting the methodologies and practices in question, and explain how each supports the proposed cost allocation. Please also explain how the proposal is consistent with the PURA.

ANSWER: The referenced sources have publications that are helpful guides for industry practitioners, such as the APPA Cost of Service Procedures for Public Power Systems, A Cost Allocation Manual and the NARUC Electric Utility Cost Allocation Manual. However, in the case of APPA, NARUC, and NRECA, none are prescriptive and even PURA does not dictate specific methods or treatments for all issues. Rather, these resources provide a range of acceptable methods given the specific cost structure, customer class load profiles, and rate making objectives of the utility. Austin Energy has operated within these guidelines in the conduct of this study.

Prepared by: GR

Sponsored by: Grant Rabon

SCPC 1-7: Filing package page 60 states that "In the past, Austin Energy has reviewed a variety of allocation methods described in NARUC's Cost of Service Manual to select the best method to reflect Austin Energy's rationale for generation capacity. Ultimately, Austin Energy selected the ERCOT 12 Coincident Peak (ERCOT 12CP) methodology to allocate the cost of generation because this allocation methodology better aligns the relationship between the costs and the benefits that accrue from owning and operating its fleet of generation in the ERCOT market." Please provide all studies, analyses, reports and presentations related to the consideration of allocation methods described in this quote. Please identify the specific costs and benefits that are "better aligned" by the selected approach, and provide all analyses showing this alignment relative to other approaches.

ANSWER: Please see Austin Energy's Responses to NXP 1-7 and NXP 1-8.

Prepared by: GR

Sponsored by: Grant Rabon

SCPC 1-8: Please provide the data underlying Figure 7.2 in electronic format, and explain what is meant by "Summer Bill" with respect to this Figure. Please also provide monthly kWh sales per customer data for residential and commercial customers for each month between 2009 and 2021.

ANSWER: Please refer to Austin Energy's Response to SCPC 1-9, Attachment SCPC 1-9, for the underlying data to Figure 7.2.

Summer Bill in Figure 7.2 means residential customer bills from months June, July, August, and September.

See Attachment SCPC 1-8 for monthly kWh sales per customer for residential and commercial classes between 2009 and 2021.

Attachment SCPC 1-8

Prepared by: AAM

Sponsored by: Rusty Maenius

FY	Class	October	November	December	January	February	March	April	May	June	July	August	September	YTD
2009	Residential	361,466,539	245,803,936	263,528,330	327,005,273	255,510,217	236,036,916	240,964,237	288,876,059	407,729,836	555,209,710	540,235,699	505,981,410	4,228,348,162
2009	Commercial	677,307,986	598,912,839	627,673,001	655,234,153	558,851,615	571,513,557	593,889,551	614,516,734	710,183,766	769,354,685	748,126,247	748,404,565	7,873,968,699
2010	Residential	337,423,417	248,454,521	274,181,194	365,608,668	295,443,896	296,790,437	231,408,512	260,611,646	406,858,246	490,681,329	506,714,419	524,514,116	4,238,690,401
2010	Commercial	655,579,557	594,576,207	597,846,836	633,975,853	551,822,888	585,563,420	570,585,974	596,124,397	697,311,679	747,961,316	740,535,130	765,752,777	7,737,636,034
2011	Residential	350,353,132	256,547,662	271,898,223	318,918,453	326,896,852	260,795,602	264,272,298	335,649,422	455,050,402	555,021,667	582,514,035	630,224,717	4,608,142,465
2011	Commercial	676,534,866	588,418,425	607,978,774	633,443,614	591,670,352	601,920,622	648,194,252	673,641,971	743,673,484	792,951,596	783,677,775	828,699,132	8,170,804,863
2012	Residential	465,996,549	271,874,823	263,608,124	308,573,425	248,100,067	256,358,693	273,664,729	326,703,711	445,563,142	496,460,000	533,634,452	401,436,854	4,291,974,569
2012	Commercial	795,356,009	568,501,513	664,214,359	676,281,698	583,568,254	646,474,258	652,117,546	679,342,135	760,971,485	766,200,259	787,616,529	661,754,617	8,242,398,662
2013	Residential	334,439,950	278,570,897	248,934,950	343,261,711	247,275,299	235,481,487	240,734,812	281,251,903	411,781,433	494,644,420	541,422,791	518,699,223	4,176,498,876
2013	Commercial	643,686,085	636,284,034	580,661,042	722,568,367	589,247,741	577,726,228	606,150,663	684,580,190	715,798,541	759,072,800	810,110,852	802,728,350	8,128,614,893
2014	Residential	363,479,117	256,713,509	319,235,780	369,608,155	324,968,800	270,583,893	244,619,433	284,542,958	383,104,176	469,139,727	505,173,386	506,977,436	4,298,146,370
2014	Commercial	721,022,072	634,843,353	645,189,921	697,114,163	621,974,885	578,963,842	631,953,227	642,431,078	720,890,714	760,881,099	801,563,886	817,439,682	8,274,267,922
2015	Residential	349,756,583	290,813,312	268,195,753	367,527,428	280,362,544	309,446,630	258,032,981	286,917,713	370,255,532	473,248,499	556,915,054	501,711,670	4,313,183,699
2015	Commercial	680,897,338	673,941,991	606,976,867	697,509,524	597,357,850	649,162,454	639,089,911	662,872,363	727,557,773	803,011,580	820,909,040	801,799,648	8,361,086,339
2016	Residential	400,377,206	272,244,248	266,304,031	320,845,090	270,413,488	246,741,476	251,260,086	289,460,763	400,655,598	523,967,668	527,282,584	474,014,802	4,243,567,040
2016	Commercial	781,405,835	642,799,818	641,423,102	696,305,478	629,131,533	644,661,962	665,289,177	670,940,124	768,064,524	823,425,186	811,084,162	855,825,142	8,630,356,043
2017	Residential	391,723,368	302,397,085	279,340,217	325,271,170	253,413,570	256,681,673	276,733,580	298,639,188	407,898,995	532,445,767	551,488,864	477,576,314	4,353,609,791
2017	Commercial	752,454,679	669,199,187	675,278,526	689,766,146	607,187,723	664,584,475	673,914,514	674,866,163	765,754,193	833,809,847	820,256,171	801,997,516	8,629,069,140
2018	Residential	380,236,150	282,065,273	271,719,594	381,192,806	324,973,910	259,309,246	271,311,014	298,101,707	500,658,415	519,387,560	580,559,628	543,957,714	4,613,473,017
2018	Commercial	733,314,662	667,532,513	658,406,877	714,169,536	667,860,673	635,622,316	673,892,206	688,412,135	841,177,816	808,215,113	860,756,928	846,968,237	8,796,329,012
2019	Residential	358,766,795	299,414,072	289,755,089	334,662,407	311,168,583	290,988,167	265,073,598	301,802,183	422,834,204	495,243,187	568,039,792	639,085,555	4,576,833,632
2019	Commercial	716,442,996	701,801,869	639,515,190	688,951,443	672,128,609	640,732,629	662,683,565	698,250,620	787,771,819	808,556,618	858,361,386	945,347,494	8,820,544,238
2020	Residential	470,474,631	305,516,154	297,126,384	312,100,422	287,056,423	283,966,099	300,987,727	347,573,197	445,990,771	567,142,393	578,971,763	524,833,793	4,721,739,757
2020	Commercial	800,695,530	695,907,748	684,503,605	678,984,284	673,724,391	648,189,024	633,317,302	630,571,872	708,855,201	813,902,292	782,195,758	739,832,859	8,490,679,866
2021	Residential	386,296,305	312,355,415	304,056,434	369,205,731	320,803,368	339,022,159	284,580,394	314,552,106	400,265,816	516,134,271	513,883,349	571,476,738	4,632,632,086
2021	Commercial	723,876,090	653,641,549	641,353,537	701,016,281	604,787,872	583,333,879	663,425,360	669,129,546	719,293,575	818,907,073	790,392,416	860,774,734	8,429,931,912

SCPC 1-9: Please provide the data and analysis represented in each of the Figures in Sections 7.1 and 7.2 of the Filing Package in electronic format, with formulas intact.

ANSWER: Please refer to Attachment SCPC 1-9 for all underlying data to each figure in Sections 7.1 and 7.2. Refer to Sections 7.1 and 7.2 of the 2022 Base Rate Filing Package for the analysis.

Attachment SCPC 1-9

Prepared by: AAM

Sponsored by: Rusty Maenius

Note: Figure 7-1 was developed based off of Austin Energy's current tariff. Please see https://austinenergy.com/ae/rates/residential-rate

es/residential-electric-rates-and-line-items for more details.

KWH_Block	FY 2009	FY 2021
0		
49	1.04%	1.05%
99	1.41%	1.58%
149	1.34%	1.68%
199	1.29%	1.75%
249	1.30%	1.99%
299	1.40%	2.28%
349	1.50%	2.60%
399	1.66%	2.95%
449	1.84%	3.19%
499	2.01%	3.43%
549	2.18%	3.54%
599	2.33%	3.64%
649	2.48%	3.67%
699	2.60%	3.69%
749	2.64%	3.63%
799	2.73%	3.58%
849	2.77%	3.51%
899	2.78%	3.41%
949	2.80%	3.32%
999	2.79%	3.15%
1049	2.77%	3.04%
1099	2.72%	2.87%
1149	2.69%	2.71%
1199	2.65%	2.53%
1249	2.55%	2.37%
1299	2.49%	2.23%
1349	2.40%	2.08%
1399	2.31%	1.90%
1449	2.23%	1.79%
1499	2.13%	1.63%
1549	2.05%	1.49%
1599	1.95%	1.38%
1649	1.85%	1.26%
1699	1.77%	1.15%
1749	1.67%	1.05%
1799	1.56%	0.96%
1849	1.47%	0.87%
1899	1.39%	0.80%

Bin	X	Y	Year	Cumulative	Label
1149	24	2.69%	FY 09	49.08%	FY 09 49.1%
899	19	3.41%	FY 21	51.16%	FY 21 51.2%

1949	1.29%	0.74%
1999	1.20%	0.66%
2049	1.14%	0.62%
2099	1.07%	0.57%
2149	1.01%	0.51%
2199	0.93%	0.48%
2249	0.88%	0.44%
2299	0.82%	0.40%
2349	0.75%	0.37%
2399	0.70%	0.34%
2449	0.65%	0.31%
2499	0.60%	0.29%
2549	0.56%	0.27%
2599	0.52%	0.25%
2649	0.49%	0.23%
2699	0.45%	0.21%
2749	0.42%	0.20%
2799	0.39%	0.18%
2849	0.37%	0.17%
2899	0.34%	0.16%
2949	0.32%	0.15%
2999	0.29%	0.14%
3049	0.29%	0.13%
3099	0.26%	0.12%
3149	0.24%	0.11%
3199	0.23%	0.10%
3249	0.21%	0.10%
3299	0.20%	0.09%
3349	0.18%	0.09%
3399	0.17%	0.08%
3449	0.17%	0.08%
3499	0.16%	0.08%

	Historical (MWh)	Weather Normalized (MWh)
2010	11.60	11.50
2011	12.35	11.57
2012	11.78	11.73
2013	11.11	11.29
2014	11.26	11.13
2015	10.99	10.93
2016	10.57	10.81
2017	10.56	10.55
2018	10.89	10.51
2019	10.42	10.39
2020	10.64	10.41

	Residential	
	Historical (MWh)	Weather Normalized (MWh)
2010	11.60	11.50
2011	12.35	11.57
2012	11.78	11.73
2013	11.11	11.29
2014	11.26	11.13
2015	10.99	10.93
2016	10.57	10.81
2017	10.56	10.55
2018	10.89	10.51
2019	10.42	10.39
2020	10.64	10.41

	Non-Residential	
	Historical (MWh)	Weather Normalized (MWh)
2010	152.3336	152.98706
2011	154.6996	150.61366
2012	154.5604	153.65122
2013	146.8089	147.12928
2014	146.0056	146.37452
2015	144.723	145.30459
2016	143.827	144.30652
2017	140.8998	139.88738
2018	140.0708	138.38794
2019	137.1533	137.1329
2020	130.9741	129.2296

	FY 2010 Housing Mix		FY 2020 Housing Mix
MF	45.8%	MF	49.2%
SF	54.2%	SF	50.8%

	2012	2013	2014	2015	2016	2017	2018	2019	2020
SF	1,145	1,168	1,188	1,069	1,015	941	851	752	659
MF	538	512	558	531	493	515	454	365	336

Travis County, TX Single-Family Building Permits — See also, Annual Data.

Travis County, TX 2-4 Family Building Permits — See also, Annual Data.

Travis County, TX 5+ Family Building Permits — See also, Annual Data.

Date	Number of Dwelling Units: Units	12 Month Total	12 Month Percent Change	Average Value per Dwelling Unit ($): Average Value	12 Month Average	12 Month Percent Change	Date	Number of Dwelling Units: Units	12 Month Total	12 Month Percent Change	Average Value per Dwelling Unit ($): Average Value	12 Month Average	12 Month Percent Change	Date	Number of Dwelling Units: Units	12 Month Total	12 Month Percent Change	Average Value per Dwelling Unit ($): Average Value	12 Month Average	12 Month Percent Change		Monthly Tot Multi	Annual Tot Multi	Monthly Tot Single	Annual Tot Single	Monthly Tot All	Annual Tot All	Year Earlier	Month Earlier
1994-Jan	422	5,006	31	122,700	116,500	11	1994-Jan	36	84	282	44,400	47,000	-18	1994-Jan	0	2,048	106	-	27,100	46	1994-Jan	36	2132	422	5,006	458	7,138		
Feb	320	5,011	30	115,300	116,800	11	Feb	4	88	340	47,600	47,000	-22	Feb	0	1,743	34	-	26,700	27	Feb	4	1831	320	5,011	324	6,842		
Mar	481	5,132	33	119,100	117,300	10	Mar	4	88	340	48,600	47,100	-16	Mar	708	2,109	28	33,000	29,200	34	Mar	712	2197	481	5,132	1,193	7,329		
Apr	526	5,134	31	113,900	116,800	6	Apr	6	94	370	69,900	48,500	-14	Apr	835	2,721	71	29,100	28,500	20	Apr	841	2815	526	5,134	1,367	7,949		
May	444	5,144	28	107,200	115,900	4	May	0	88	238	-	49,500	-3	May	0	2,340	19	-	29,400	25	May	0	2428	444	5,144	444	7,572		
Jun	402	5,182	29	101,300	115,100	3	Jun	8	86	139	64,100	49,600	-7	Jun	701	2,683	15	36,700	32,100	36	Jun	709	2769	402	5,182	1,111	7,951		
Jul	418	5,246	30	100,900	113,400	0	Jul	0	84	133	-	49,900	-2	Jul	240	2,923	26	27,600	31,700	35	Jul	240	3007	418	5,246	658	8,253		
Aug	314	5,148	25	95,500	112,200	-2	Aug	0	76	81	-	49,300	-5	Aug	444	3,367	45	41,000	32,900	40	Aug	444	3443	314	5,148	758	8,591		
Sep	317	4,963	14	94,700	110,700	-3	Sep	0	72	57	-	49,200	-5	Sep	0	3,367	62	-	32,900	39	Sep	0	3439	317	4,963	317	8,402		
Oct	317	4,863	9	101,900	109,500	-6	Oct	0	70	94	-	49,400	-2	Oct	122	3,147	61	34,500	33,400	23	Oct	122	3217	317	4,863	439	8,080		
Nov	234	4,704	3	99,900	108,400	-7	Nov	10	70	52	46,900	50,300	5	Nov	729	3,876	99	41,000	34,800	28	Nov	739	3946	234	4,704	973	8,650		
Dec	301	4,496	-7	121,800	108,700	-6	Dec	20	88	83	45,000	48,700	0	Dec	300	4,079	99	25,800	34,300	27	Dec	320	4167	301	4,496	621	8,663		
1995-Jan	267	4,341	-13	125,600	108,400	-7	1995-Jan	0	52	-38	-	51,600	10	1995-Jan	0	4,079	99	-	34,300	27	1995-Jan	0	4131	267	4,341	267	8,472		
Feb	283	4,304	-14	117,000	108,400	-7	Feb	11	59	-33	46,300	50,900	8	Feb	793	4,872	180	41,000	35,400	33	Feb	804	4931	283	4,304	1,087	9,235		
Mar	337	4,160	-19	93,800	106,000	-10	Mar	4	59	-33	47,900	50,900	8	Mar	0	4,164	97	-	35,800	23	Mar	4	4223	337	4,160	341	8,383		
Apr	315	3,949	-23	101,400	104,600	-10	Apr	0	53	-44	-	48,700	0	Apr	374	3,703	36	21,600	35,900	26	Apr	374	3756	315	3,949	689	7,705		
May	416	3,921	-24	111,900	105,100	-9	May	0	53	-40	-	48,700	-2	May	231	3,934	68	25,600	35,300	20	May	231	3987	416	3,921	647	7,908		
Jun	396	3,915	-24	109,500	105,900	-8	Jun	10	55	-36	49,000	46,500	-6	Jun	0	3,233	20	-	35,000	9	Jun	10	3288	396	3,915	406	7,203		
Jul	344	3,841	-27	116,800	107,400	-5	Jul	8	63	-25	50,600	47,000	-6	Jul	456	3,449	18	27,800	34,500	9	Jul	464	3512	344	3,841	808	7,353		
Aug	403	3,930	-24	118,200	109,500	-2	Aug	38	101	33	46,800	46,900	-5	Aug	1,013	4,018	19	41,000	35,500	8	Aug	1051	4119	403	3,930	1,454	8,049		
Sep	444	4,057	-18	100,700	109,700	-1	Sep	2	103	43	49,000	47,000	-4	Sep	829	4,847	44	42,100	36,600	11	Sep	831	4950	444	4,057	1,275	9,007		
Oct	310	4,050	-17	96,000	109,200	0	Oct	14	117	67	49,000	47,200	-4	Oct	551	5,276	68	41,100	37,100	11	Oct	565	5393	310	4,050	875	9,443		
Nov	377	4,193	-11	100,200	109,000	1	Nov	28	135	93	48,900	47,600	-5	Nov	854	5,401	39	23,900	34,500	-1	Nov	882	5536	377	4,193	1,259	9,729		
Dec	348	4,240	-6	117,500	108,700	0	Dec	2	117	33	40,000	47,900	-2	Dec	160	5,261	29	35,900	35,000	2	Dec	162	5378	348	4,240	510	9,618		
1996-Jan	547	4,520	4	105,100	107,300	-1	1996-Jan	28	145	179	48,300	48,000	-7	1996-Jan	360	5,621	38	30,000	34,700	1	1996-Jan	388	5766	547	4,520	935	10,286		
Feb	518	4,755	10	99,400	105,900	-2	Feb	12	146	147	51,800	48,400	-5	Feb	252	5,080	4	40,900	34,000	-4	Feb	264	5226	518	4,755	782	9,981		
Mar	567	4,985	20	111,000	107,300	1	Mar	22	164	178	54,500	49,300	-3	Mar	237	5,317	28	34,500	34,100	-5	Mar	259	5481	567	4,985	826	10,466		
Apr	593	5,263	33	96,100	106,400	2	Apr	20	184	247	46,000	48,900	0	Apr	510	5,453	47	41,100	35,600	-1	Apr	530	5637	593	5,263	1,123	10,900		
May	605	5,452	39	102,000	105,500	0	May	14	198	274	47,800	48,800	0	May	195	5,417	38	54,400	36,700	4	May	209	5615	605	5,452	814	11,067		
Jun	572	5,628	44	105,100	105,100	-1	Jun	22	210	282	35,700	47,400	2	Jun	501	5,918	83	29,000	36,000	3	Jun	523	6128	572	5,628	1,095	11,756		
Jul	456	5,740	49	102,900	104,300	-3	Jul	18	220	249	49,800	47,500	1	Jul	760	6,222	80	34,000	36,400	6	Jul	778	6442	456	5,740	1,234	12,182		
Aug	621	5,958	52	107,200	103,600	-5	Aug	34	216	114	56,400	49,100	5	Aug	309	5,518	37	26,900	35,000	-1	Aug	343	5734	621	5,958	964	11,692		
Sep	409	5,923	46	97,800	103,400	-6	Sep	14	228	121	62,900	49,900	6	Sep	0	4,689	-3	-	33,700	-8	Sep	14	4917	409	5,923	423	10,840		
Oct	430	6,043	49	107,500	104,100	-5	Oct	18	232	98	68,300	51,400	9	Oct	566	4,704	-11	30,300	32,500	-12	Oct	584	4936	430	6,043	1,014	10,979		
Nov	267	5,933	41	104,800	104,400	-4	Nov	10	214	59	46,300	51,500	8	Nov	509	4,359	-19	38,600	34,900	1	Nov	519	4573	267	5,933	786	10,506		
Dec	361	5,946	40	105,900	103,700	-5	Dec	4	216	85	37,400	51,300	7	Dec	1,194	5,393	3	37,600	35,500	1	Dec	1198	5609	361	5,946	1,559	11,555		
1997-Jan	321	5,720	27	104,500	103,600	-3	1997-Jan	12	200	38	68,100	52,700	10	1997-Jan	264	5,297	-6	44,000	36,300	5	1997-Jan	276	5497	321	5,720	597	11,217		
Feb	362	5,564	17	109,900	104,400	-1	Feb	14	202	38	57,400	53,100	10	Feb	214	5,259	4	40,700	36,200	6	Feb	228	5461	362	5,564	590	11,025		
Mar	414	5,411	9	110,500	104,200	-3	Mar	24	204	24	57,300	53,500	9	Mar	521	5,543	4	28,200	35,500	4	Mar	545	5747	414	5,411	959	11,158		
Apr	490	5,308	1	106,800	105,400	-1	Apr	26	210	14	45,800	53,200	9	Apr	799	5,832	7	45,100	36,400	2	Apr	825	6042	490	5,308	1,315	11,350		
May	526	5,229	-4	104,800	105,700	0	May	26	222	12	50,200	53,200	9	May	0	5,637	4	-	35,800	-2	May	26	5859	526	5,229	552	11,088		
Jun	479	5,136	-9	100,600	105,300	0	Jun	8	208	-1	50,700	55,000	16	Jun	161	5,297	-10	50,300	36,800	2	Jun	169	5505	479	5,136	648	10,641		
Jul	360	5,040	-12	99,600	105,100	1	Jul	204	394	79	53,400	54,400	15	Jul	0	4,537	-27	-	37,300	2	Jul	204	4931	360	5,040	564	9,971		
Aug	424	4,843	-19	106,500	104,900	1	Aug	6	366	69	68,800	54,400	11	Aug	240	4,468	-19	41,400	38,300	9	Aug	246	4834	424	4,843	670	9,677		
Sep	486	4,920	-17	108,000	105,800	2	Sep	28	380	67	134,100	60,000	20	Sep	357	4,825	3	34,400	38,000	13	Sep	385	5205	486	4,920	871	10,125		
Oct	421	4,911	-19	107,800	105,900	2	Oct	12	374	61	102,800	61,000	19	Oct	536	4,795	2	34,800	38,500	18	Oct	548	5169	421	4,911	969	10,080		
Nov	287	4,931	-17	110,700	106,200	2	Nov	10	374	75	74,600	61,700	20	Nov	384	4,670	7	41,000	38,700	11	Nov	394	5044	287	4,931	681	9,975		
Dec	401	4,971	-16	99,100	105,600	2	Dec	6	376	74	52,600	61,800	20	Dec	372	3,848	-29	45,500	39,700	12	Dec	378	4224	401	4,971	779	9,195		
1998-Jan	422	5,072	-11	108,100	105,900	2	1998-Jan	0	364	82	-	61,600	17	1998-Jan	0	3,584	-32	-	39,400	9	1998-Jan	0	3948	422	5,072	422	9,020		
Feb	476	5,186	-7	106,800	105,700	1	Feb	10	360	78	43,800	61,300	15	Feb	119	3,489	-34	44,200	39,500	9	Feb	129	3849	476	5,186	605	9,035		
Mar	563	5,335	-1	113,300	106,200	2	Mar	9	345	69	52,900	61,400	15	Mar	444	3,412	-38	27,200	39,600	12	Mar	453	3757	563	5,335	1,016	9,092		
Apr	713	5,558	5	104,200	105,800	0	Apr	6	325	55	96,700	63,300	19	Apr	236	2,849	-51	19,900	36,400	0	Apr	242	3174	713	5,558	955	8,732		
May	554	5,586	7	105,300	105,900	0	May	0	299	35	-	64,400	21	May	0	2,849	-49	-	36,400	2	May	0	3148	554	5,586	554	8,734		
Jun	611	5,718	11	114,600	107,300	2	Jun	92	383	84	53,200	62,000	13	Jun	357	3,045	-43	31,600	35,100	-5	Jun	449	3428	611	5,718	1,060	9,146		
Jul	557	5,915	17	110,100	108,000	3	Jul	21	200	-49	52,700	69,800	28	Jul	353	3,398	-25	20,800	33,600	-10	Jul	374	3598	557	5,915	931	9,513		
Aug	515	6,006	24	113,000	108,500	3	Aug	31	225	-39	41,300	65,900	21	Aug	11	3,169	-29	48,600	33,100	-14	Aug	42	3394	515	6,006	557	9,400		
Sep	510	6,030	23	108,800	108,600	3	Sep	61	258	-32	29,500	49,900	-17	Sep	2,012	4,824	0	38,000	35,000	-8	Sep	2073	5082	510	6,030	2,583	11,112		
Oct	546	6,155	25	103,900	108,200	2	Oct	14	260	-30	53,200	47,600	-22	Oct	933	5,221	9	31,700	34,400	-11	Oct	947	5481	546	6,155	1,493	11,636		
Nov	458	6,326	28	105,600	107,900	2	Nov	4	254	-32	42,500	46,500	-25	Nov	0	4,837	4	-	33,900	-12	Nov	4	5091	458	6,326	462	11,417		
Dec	470	6,395	29	116,800	109,100	3	Dec	0	248	-34	-	46,300	-25	Dec	24	4,489	17	28,100	32,900	-17	Dec	24	4737	470	6,395	494	11,132		
1999-Jan	396	6,369	26	116,400	109,700	4	1999-Jan	10	258	-29	83,000	47,700	-23	1999-Jan	823	5,312	48	34,500	33,200	-16	1999-Jan	833	5570	396	6,369	1,229	11,939		
Feb	461	6,354	23	118,700	110,500	5	Feb	18	266	-26	55,500	48,400	-21	Feb	298	5,491	57	32,900	32,900	-17	Feb	316	5757	461	6,354	777	12,111		
Mar	675	6,466	21	112,400	110,500	4	Mar	34	291	-16	49,300	48,400	-21	Mar	147	5,194	52	43,700	33,700	-15	Mar	181	5485	675	6,466	856	11,951		
Apr	618	6,371	15	119,800	112,100	6	Apr	4	289	-11	83,800	47,900	-24	Apr	46	5,004	76	34,700	34,400	-5	Apr	50	5293	618	6,371	668	11,664		
May	637	6,454	16	108,700	112,300	6	May	22	311	4	61,500	48,800	-24	May	928	5,932	108	43,300	35,800	-2	May	950	6243	637	6,454	1,587	12,697		
Jun	618	6,461	13	122,000	113,100	5	Jun	16	235	-39	35,900	46,300	-25	Jun	275	5,850	92	36,900	36,100	3	Jun	291	6085	618	6,461	909	12,546		
Jul	487	6,391	8	137,700	115,200	7	Jul	18	232	16	116,200	51,100	-27	Jul	307	5,804	71	39,000	37,200	11	Jul	325	6036	487	6,391	812	12,427		
Aug	570	6,446	7	126,200	116,300	7	Aug	6	207	-8	95,300	53,800	-18	Aug	1,005	6,798	115	46,000	38,500	16	Aug	1011	7005	570	6,446	1,581	13,451		
Sep	505	6,441	7	126,600	117,700	8	Sep	4	150	-42	68,800	64,200	29	Sep	430	5,216	8	22,800	37,400	7	Sep	434	5366	505	6,441	939	11,807		
Oct	375	6,270	2	145,000	120,600	11	Oct	6	142	-45	350,000	77,300	62	Oct	1,583	5,866	12	35,000	37,600	9	Oct	1589	6008	375	6,270	1,964	12,278		
Nov	560	6,372	1	174,000	126,300	17	Nov	16	154	-39	64,200	76,800	65	Nov	0	5,866	21	-	37,600	11	Nov	16	6020	560	6,372	576	12,392		
Dec	505	6,407	0	92,200	124,400	14	Dec	6	160	-35	168,700	80,300	73	Dec	540	6,382	42	40,200	37,900	15	Dec	546	6542	505	6,407	1,051	12,949		
2000-Jan	398	6,409	1	126,700	125,000	14	2000-Jan	2	152	-41	58,100	79,800	67	2000-Jan	649	6,208	17	49,400	39,500	19	2000-Jan	651	6360	398	6,409	1,049	12,769		
Feb	599	6,547	3	142,900	127,100	15	Feb	4	138	-48	58,100	82,400	70	Feb	350	6,260	14	49,400	40,400	23	Feb	354	6398	599	6,547	953	12,945		
Mar	642	6,514	1	132,100	129,100	17	Mar	14	118	-59	38,200	86,600	79	Mar	493	6,606	27	50,000	41,000	22	Mar	507	6724	642	6,514	1,149	13,238		
Apr	775	6,671	5	144,100	131,700	17	Apr	10	124	-57	51,900	83,900	75	Apr	0	6,560	31	-	41,100	19	Apr	10	6684	775	6,671	785	13,355		
May	656	6,690	4	136,500	134,400	20	May	284	386	24	44,700	56,300	15	May	792	6,424	8	31,200	39,500	10	May	1076	6810	656	6,690	1,732	13,500		
Jun	746	6,818	6	140,300	136,100	20	Jun	22	392	67	79,500	58,500	26	Jun	730	6,879	18	26,400	38,300	6	Jun	752	7271	746	6,818	1,498	14,089		
Jul	520	6,851	7	192,100	140,300	22	Jul	4	378	63	83,200	56,000	10	Jul	965	7,537	30	42,800	38,800	4	Jul	969	7915	520	6,851	1,489	14,766		
Aug	750	7,031	9	151,900	142,600	23	Aug	22	394	90	100,600	57,900	8	Aug	141	6,673	-2	76,600	38,500	0	Aug	163	7067	750	7,031	913	14,098		
Sep	596	7,122	11	140,700	143,600	22	Sep	14	404	169	80,600	58,500	-9	Sep	884	7,127	37	34,400	39,000	4	Sep	898	7531	596	7,122	1,494	14,653		
Oct	458	7,205	15	117,300	141,900	18	Oct	32	430	203	61,500	54,700	-29	Oct	1,179	6,723	15	45,200	41,000	9	Oct	1211	7153	458	7,205	1,669	14,358		
Nov	516	7,161	12	124,000	138,100	9	Nov	41	455	195	82,400	56,900	-26	Nov	10	6,733	15	900,000	42,300	12	Nov	51	7188	516	7,161	567	14,349		
Dec	446	7,102	11	139,400	141,400	14	Dec	10	459	187	61,200	55,500	-31	Dec	160	6,353	0	52,100	42,700	13	Dec	170	6812	446	7,102	616	13,914		
2001-Jan	503	7,207	12	159,400	143,500	15	2001-Jan	8	465	206	109,800	56,400	-29	2001-Jan	144	5,848	-6	9,800	41,100	4	2001-Jan	152	6313	503	7,207	655	13,520		
Feb	314	6,922	6	156,900	144,100	13	Feb	0	461	234	-	56,400	-32	Feb	685	6,183	-1	30,100	39,400	-2	Feb	685	6644	314	6,922	999	13,566		
Mar	399	6,679	3	139,400	145,000	12	Mar	0	447	279	-	57,000	-34	Mar	562	6,252	-5	44,000	39,000	-5	Mar	562	6699	399	6,679	961	13,378		
Apr	394	6,298	-6	131,500	144,300	10	Apr	4	441	256	62,800	57,100	-32	Apr	825	7,077	8	16,500	36,400	-11	Apr	829	7518	394	6,298	1,223	13,816		
May	518	6,160	-8	132,900	144,100	7	May	6	163	-58	64,700	79,200	41	May	1,012	7,297	14	35,200	36,800	-7	May	1018	7460	518	6,160	1,536	13,620		
Jun	359	5,773	-15	130,600	143,800	6	Jun	0	141	-64	-	79,100	35	Jun	0	6,567	-5	-	37,900	-1	Jun	0	6708	359	5,773	359	12,481		
Jul	367	5,620	-18	148,900	139,700	0	Jul	13	150	-60	138,400	84,100	50	Jul	13	5,615	-26	177,900	37,400	-4	Jul	26	5765	367	5,620	393	11,385		
Aug	323	5,193	-26	160,000	139,200	-2	Aug	9	137	-65	132,400	84,700	46	Aug	371	5,845	-12	41,000	36,700	-5	Aug	380	5982	323	5,193	703	11,175		
Sep	288	4,885	-31	155,600	139,900	-3	Sep	172	295	-27	30,400	53,200	-9	Sep	469	5,430	-24	34,800	36,900	-5	Sep	641	5725	288	4,885	929	10,610		
Oct	230	4,657	-35	184,300	144,400	2	Oct	28	291	-32	53,900	52,300	-4	Oct	951	5,202	-23	40,900	35,800	-13	Oct	979	5493	230	4,657	1,209	10,150		
Nov	225	4,366	-39	114,800	145,200	5	Nov	6	256	-44	30,000	47,000	-17	Nov	637	5,829	-13	31,700	33,800	-20	Nov	643	6085	225	4,366	868	10,451		
Dec	284	4,204	-41	109,300	143,400	1	Dec	2	248	-46	97,500	46,800	-16	Dec	366	6,035	-5	38,300	33,600	-21	Dec	368	6283	284	4,204	652	10,487		
2002-Jan	405	4,106	-43	128,300	140,000	-2	2002-Jan	8	248	-47	50,000	44,900	-20	2002-Jan	532	6,423	10	37,600	34,500	-16	2002-Jan	540	6671	405	4,106	945	10,777		
Feb	365	4,157	-40	127,900	137,700	-4	Feb	18	266	-42	65,400	46,300	-18	Feb	1,008	6,746	9	33,000	34,700	-12	Feb	1026	7012	365	4,157	1,391	11,169		
Mar	369	4,127	-38	138,300	137,600	-5	Mar	30	296	-34	59,200	47,600	-16	Mar	216	6,400	2	29,200	33,700	-14	Mar	246	6696	369	4,127	615	10,823		
Apr	461	4,194	-33	144,500	138,900	-4	Apr	40	332	-25	58,600	48,700	-15	Apr	412	5,987	-15	39,600	36,500	0	Apr	452	6319	461	4,194	913	10,513		
May	469	4,145	-33	136,000	139,300	-3	May	70	396	143	60,000	50,500	-36	May	516	5,491	-25	3,800	33,700	-8	May	586	5887	469	4,145	1,055	10,032		
Jun	488	4,274	-26	163,800	142,800	-1	Jun	24	420	198	55,600	50,800	-36	Jun	348	5,839	-11	47,900	34,500	-9	Jun	372	6259	488	4,274	860	10,533		
Jul	516	4,423	-21	173,100	145,900	4	Jul	22	429	186	86,900	50,000	-41	Jul	122	5,948	6	34,800	34,200	-9	Jul	144	6377	516	4,423	660	10,800		
Aug	391	4,491	-14	145,600	144,800	4	Aug	12	432	215	75,400	49,000	-42	Aug	270	5,847	0	64,000	35,100	-4	Aug	282	6279	391	4,491	673	10,770		
Sep	401	4,604	-6	131,200	143,000	2	Sep	21	281	-5	55,500	60,800	14	Sep	216	5,594	3	34,900	35,200	-5	Sep	237	5875	401	4,604	638	10,479		
Oct	574	4,948	6	121,200	138,500	-4	Oct	16	269	-8	84,500	63,000	20	Oct	633	5,276	1	65,000	37,700	5	Oct	649	5545	574	4,948	1,223	10,493		
Nov	270	4,993	14	148,200	140,100	-4	Nov	14	277	8	58,600	63,500	35	Nov	112	4,751	-18	30,100	38,300	13	Nov	126	5028	270	4,993	396	10,021		
Dec	379	5,088	21	145,300	142,200	-1	Dec	149	424	71	52,800	59,600	27	Dec	474	4,859	-19	21,100	36,700	9	Dec	623	5283	379	5,088	1,002	10,371		
2003-Jan	367	5,050	23	134,000	142,700	2	2003-Jan	14	430	73	106,100	61,300	37	2003-Jan	45	4,372	-32	46,400	36,600	6	2003-Jan	59	4802	367	5,050	426	9,852		
Feb	340	5,025	21	118,100	142,100	3	Feb	77	489	84	60,300	60,900	32	Feb	8	3,372	-50	30,600	37,700	9	Feb	85	3861	340	5,025	425	8,886		
Mar	538	5,194	26	121,600	140,300	2	Mar	214	673	127	52,500	58,300	22	Mar	458	3,614	-44	52,400	40,100	19	Mar	672	4287	538	5,194	1,210	9,481		
Apr	510	5,243	25	167,700	142,600	3	Apr	22	655	97	67,300	58,600	20	Apr	0	3,202	-47	-	40,100	10	Apr	22	3857	510	5,243	532	9,100		
May	471	5,245	27	117,000	140,900	1	May	16	601	52	77,000	59,000	17	May	310	2,996	-45	46,300	47,000	39	May	326	3597	471	5,245	797	8,842		
Jun	648	5,405	26	115,700	135,800	-5	Jun	51	628	50	64,900	59,600	17	Jun	18	2,666	-54	187,700	47,900	39	Jun	69	3294	648	5,405	717	8,699		
Jul	560	5,449	23	120,800	130,700	-10	Jul	68	674	57	49,000	57,600	15	Jul	16	2,560	-57	16,600	48,300	41	Jul	84	3234	560	5,449	644	8,683		
Aug	470	5,528	23	132,000	129,800	-10	Aug	22	684	58	70,600	57,700	18	Aug	238	2,528	-57	70,300	48,700	39	Aug	260	3212	470	5,528	730	8,740		
Sep	601	5,728	24	140,300	130,800	-9	Sep	46	709	152	51,100	57,300	-6	Sep	0	2,312	-59	-	50,000	42	Sep	46	3021	601	5,728	647	8,749		
Oct	521	5,675	15	117,000	130,500	-6	Oct	22	715	166	31,900	56,000	-11	Oct	255	1,934	-63	36,300	43,300	15	Oct	277	2649	521	5,675	798	8,324		
Nov	446	5,851	17	129,100	129,600	-7	Nov	20	721	160	73,000	56,400	-11	Nov	269	2,091	-56	45,300	44,200	15	Nov	289	2812	446	5,851	735	8,663		
Dec	473	5,945	17	120,400	127,800	-10	Dec	4	576	36	22,000	57,100	-4	Dec	0	1,617	-67	-	51,000	39	Dec	4	2193	473	5,945	477	8,138		
2004-Jan	506	6,084	20	140,000	128,500	-10	2004-Jan	75	637	48	65,900	57,000	-7	2004-Jan	512	2,084	-52	64,800	54,500	49	2004-Jan	587	2721	506	6,084	1,093	8,805		
Feb	591	6,335	26	123,500	128,600	-10	Feb	68	628	28	52,400	56,100	-8	Feb	216	2,292	-32	47,700	53,900	43	Feb	284	2920	591	6,335	875	9,255	4%	-20%
Mar	637	6,434	24	123,700	128,700	-8	Mar	32	446	-34	89,900	60,300	3	Mar	0	1,834	-49	-	54,300	35	Mar	32	2280	637	6,434	669	8,714	-8%	-24%
Apr	825	6,749	29	127,800	125,600	-12	Apr	14	438	-33	46,900	59,500	2	Apr	0	1,834	-43	-	54,300	35	Apr	14	2272	825	6,749	839	9,021	-1%	25%
May	818	7,096	35	130,200	126,700	-10	May	45	467	-22	67,100	59,600	1	May	24	1,548	-48	34,400	55,600	18	May	69	2015	818	7,096	887	9,111	3%	6%
Jun	611	7,059	31	150,400	129,800	-4	Jun	38	454	-28	42,600	57,600	-3	Jun	449	1,979	-26	54,500	54,200	13	Jun	487	2433	611	7,059	1,098	9,492	9%	24%
Jul	628	7,127	31	148,900	132,100	1	Jul	22	408	-39	52,700	58,800	2	Jul	0	1,963	-23	-	54,500	13	Jul	22	2371	628	7,127	650	9,498	9%	-41%
Aug	610	7,267	31	138,900	132,700	2	Aug	18	404	-41	108,700	60,400	5	Aug	425	2,150	-15	66,500	55,100	13	Aug	443	2554	610	7,267	1,053	9,821	12%	62%
Sep	736	7,402	29	117,500	130,600	0	Sep	28	386	-46	67,300	62,000	8	Sep	402	2,552	10	41,700	53,000	6	Sep	430	2938	736	7,402	1,166	10,340	18%	11%
Oct	692	7,573	33	154,300	133,700	2	Oct	111	475	-34	79,200	67,400	20	Oct	61	2,358	22	112,700	56,300	30	Oct	172	2833	692	7,573	864	10,406	25%	-26%
Nov	539	7,666	31	151,700	135,200	4	Nov	15	470	-35	86,500	67,800	20	Nov	250	2,339	12	35,600	55,400	25	Nov	265	2809	539	7,666	804	10,475	21%	-7%
Dec	567	7,760	31	140,000	136,500	7	Dec	29	495	-14	80,700	68,900	21	Dec	62	2,401	48	83,400	56,100	10	Dec	91	2896	567	7,760	658	10,656	31%	-18%
2005-Jan	456	7,710	27	143,000	136,600	6	2005-Jan	22	442	-31	121,500	72,000	26	2005-Jan	120	2,009	-4	60,200	54,100	-1	2005-Jan	142	2451	456	7,710	598	10,161	15%	-9%
Feb	643	7,762	23	138,200	137,800	7	Feb	58	432	-31	55,000	72,900	30	Feb	0	1,793	-22	-	54,900	2	Feb	58	2225	643	7,762	701	9,987	8%	17%
Mar	815	7,940	23	136,300	138,700	8	Mar	40	440	-1	72,100	71,500	19	Mar	380	2,173	18	54,700	54,900	1	Mar	420	2613	815	7,940	1,235	10,553	21%	76%
Apr	789	7,904	17	140,400	140,000	11	Apr	16	442	1	47,300	71,500	20	Apr	357	2,530	38	22,500	50,300	-7	Apr	373	2972	789	7,904	1,162	10,876	21%	-6%
May	895	7,981	12	153,500	142,600	13	May	41	438	-6	78,100	72,500	22	May	93	2,599	68	57,700	50,700	-9	May	134	3037	895	7,981	1,029	11,018	21%	-11%
Jun	824	8,194	16	138,500	141,600	9	Jun	96	496	9	87,000	77,600	35	Jun	99	2,249	14	118,800	53,000	-2	Jun	195	2745	824	8,194	1,019	10,939	15%	-1%
Jul	840	8,406	18	128,300	139,700	6	Jul	56	530	30	79,600	78,800	34	Jul	432	2,681	37	53,100	53,000	-3	Jul	488	3211	840	8,406	1,328	11,617	22%	30%
Aug	782	8,578	18	134,100	139,300	5	Aug	72	584	45	84,400	78,600	30	Aug	484	2,740	27	54,700	51,200	-7	Aug	556	3324	782	8,578	1,338	11,902	21%	1%
Sep	857	8,699	18	135,400	140,700	8	Sep	37	593	54	73,800	78,800	27	Sep	181	2,519	-1	75,900	54,500	3	Sep	218	3112	857	8,699	1,075	11,811	14%	-20%
Oct	719	8,726	15	139,600	139,500	4	Oct	68	550	16	105,400	82,100	22	Oct	1,572	4,030	71	40,000	47,900	-15	Oct	1640	4580	719	8,726	2,359	13,306	28%	119%
Nov	946	9,133	19	150,000	139,900	3	Nov	22	557	19	101,500	82,700	22	Nov	113	3,893	66	101,000	50,300	-9	Nov	135	4450	946	9,133	1,081	13,583	30%	-54%
Dec	874	9,440	22	175,200	143,200	5	Dec	62	590	19	100,600	84,700	23	Dec	386	4,217	76	53,300	50,100	-11	Dec	448	4807	874	9,440	1,322	14,247	34%	22%
2006-Jan	1,259	10,243	33	112,000	139,400	2	2006-Jan	36	604	37	137,400	86,500	20	2006-Jan	87	4,184	108	57,000	49,900	-8	2006-Jan	123	4788	1259	10,243	1,382	15,031	48%	5%
Feb	642	10,242	32	154,900	140,400	2	Feb	32	578	34	192,900	95,500	31	Feb	343	4,527	152	56,100	50,400	-8	Feb	375	5105	642	10,242	1,017	15,347	54%	-26%
Mar	1,085	10,512	32	151,700	141,900	2	Mar	88	626	42	110,900	99,200	39	Mar	986	5,133	136	49,000	49,800	-9	Mar	1074	5759	1085	10,512	2,159	16,271	54%	112%
Apr	842	10,565	34	147,500	142,400	2	Apr	119	729	65	99,500	100,400	40	Apr	354	5,130	103	83,800	54,100	8	Apr	473	5859	842	10,565	1,315	16,424	51%	-39%
May	770	10,440	31	158,600	142,700	0	May	32	720	64	120,300	102,500	41	May	294	5,331	105	76,700	55,200	9	May	326	6051	770	10,440	1,096	16,491	50%	-17%
Jun	831	10,447	27	168,300	145,000	2	Jun	86	710	43	93,900	103,600	34	Jun	392	5,624	150	94,100	56,800	7	Jun	478	6334	831	10,447	1,309	16,781	53%	19%
Jul	547	10,154	21	166,500	147,600	6	Jul	82	736	39	94,200	104,400	32	Jul	213	5,405	102	62,000	57,300	8	Jul	295	6141	547	10,154	842	16,295	40%	-36%

Aug	969		10,341	21	149,600		148,800	7
Sep	795		10,279	18	154,700		150,400	7
Oct	668		10,228	17	139,000		150,400	8
Nov	586		9,868	8	180,600		152,200	9
Dec	578		9,572	1	163,200		150,800	5
2007-Jan	395		8,708	-15	164,500		157,000	13
Feb	668		8,734	-15	120,700		154,400	10
Mar	656		8,305	-21	208,400		159,000	12
Apr	727		8,190	-22	159,300		160,200	12
May	751		8,171	-22	190,000		163,100	14
Jun	627		7,967	-24	191,600		164,800	14
Jul	592		8,012	-21	184,500		166,100	13
Aug	485		7,528	-27	225,500		172,100	16
Sep	458		7,191	-30	174,900		174,200	16
Oct	525		7,048	-31	178,700		177,900	18
Nov	308		6,770	-31	158,100		176,700	16
Dec	405		6,597	-31	175,900		177,900	18
2008-Jan	449	-33%	6,651	-24	178,400		178,700	14
Feb	350	-47%	6,333	-27	187,800		185,300	20
Mar	514	-29%	6,191	-25	150,500		180,000	13
Apr	521	-31%	5,985	-27	153,500		180,200	12
May	181	-71%	5,415	-34	187,800		179,100	10
Jun	345	-42%	5,133	-36	194,200		178,600	8
Jul	442	-9%	4,983	-38	156,300		175,900	6
Aug	357	-22%	4,855	-36	172,900		170,700	-1
Sep	458	-13%	4,855	-32	176,100		170,800	-2
Oct	137	-56%	4,467	-37	231,200		171,800	-3
Nov	81	-80%	4,240	-37	231,200		173,900	-2
Dec	52	-88%	3,887	-41	229,500		174,400	-2
2009-Jan	317	-9%	3,755	-41%	154,600	-13%	172,300	-4
Feb	236	-54%	3,641	-41%	154,800	-18%	169,600	-8
Mar	285	-45%	3,412	-43%	135,000	-10%	169,600	-6
Apr	394	118%	3,285	-39%	160,400	4%	171,100	-5
May	236	-32%	3,340	-35%	145,500	-23%	168,400	-6
Jun	379	-14%	3,374	-32%	141,800	-27%	162,700	-9
Jul	522	46%	3,454	-29%	128,300	-18%	158,400	-10
Aug	287	-37%	3,384	-30%	172,300	0%	158,000	-7
Sep	278	103%	3,204	-28%	150,000	-15%	154,700	-9
Oct	256	216%	3,323	-22%	179,800	-22%	153,500	-11
Nov	191	267%	3,433	-12%	189,300	-18%	153,700	-12
Dec	284	-10%	3,665	-2%	165,200	-28%	153,500	-12
2010-Jan	227	-4%	3,575	-2%	180,300	17%	155,100	-10
Feb	281	-1%	3,620	6%	146,600	-5%	154,400	-9
Mar	378	-4%	3,713	13%	135,800	1%	154,000	-9
Apr	317	34%	3,636	9%	149,200	-7%	152,900	-11
May	268	-29%	3,668	9%	159,800	10%	153,900	-9
Jun	280	-46%	3,569	3%	182,200	28%	157,400	-3
Jul	268	-7%	3,315	-2%	177,700	39%	163,700	3
Aug	267	-4%	3,295	3%	176,200	2%	162,400	3
Sep	258	1%	3,275	-1%	217,600	45%	na	na
Oct	201	5%	3,220	-6%	190,600	6%	na	na
Nov	185	-35%	3,214	-12%	214,100	13%	na	na
Dec	206	-9%	3,136	-12%	157,200	-5%	na	na
2011 - Jan	220	-22%	3,129	-14%	178,400	-1%	na	na
Feb	242	-36%	3,090	-17%	175,100	19%	na	na
Mar	391	23%	3,103	-15%	176,200	30%	na	na
Apr	371	38%	3,157	-14%	194,700	30%	na	na
May	280	0%	3,169	-11%	172,300	8%	na	na
Jun	309	15%	3,198	-4%	160,400	-12%	na	na
Jul	261	-2%	3,191	-3%	212,100	19%	na	na
Aug	260	1%	3,184	-3%	181,200	3%	na	na
Sep	305	52%	3,231	0%	175,000	-20%	na	na
Oct	201	9%	3,231	1%	192,700	1%	na	na
Nov	222	8%	3,268	4%	183,400	-14%	na	na
Dec	239	9%	3,301	5%	181,700	16%	na	na
2012 - Jan	316	31%	3,397	10%	169,100	-5%	na	na
Feb	296	-24%	3,451	11%	159,800	-9%	na	na
Mar	336	-9%	3,396	8%	170,700	-3%	na	na
Apr	392	40%	3,417	8%	159,900	-18%	na	na
May	472	53%	3,609	13%	157,300	-9%	na	na
Jun	438	68%	3,738	17%	164,700	3%	na	na
Jul	390	50%	3,867	21%	176,700	-17%	na	na
Aug	425	39%	4,032	25%	188,000	4%	na	na
Sep	414	106%	4,141	28%	169,800	-3%	na	na
Oct	456	105%	4,396	35%	174,600	-9%	na	na
Nov	273	14%	4,447	35%	172,800	-6%	na	na
Dec	215	-32%	4,423	30%	187,300	3%	na	na
2013 - Jan	380	28%	4,487	30%	158,800	-6%	na	na
Feb	396	18%	4,587	35%	165,300	3%	na	na
Mar	358	-9%	4,609	35%	199,800	17%	na	na
Apr	357	-24%	4,574	27%	175,800	10%	na	na
May	395	-10%	4,497	20%	205,200	30%	na	na
Jun	414	6%	4,473	16%	211,900	29%	na	na
Jul	457	8%	4,540	13%	215,700	22%	na	na
Aug	451	9%	4,566	10%	212,100	13%	na	na
Sep	360	-21%	4,512	3%	186,900	10%	na	na
Oct	390	43%	4,446	0%	207,800	19%	na	na
Nov	260	21%	4,433	0%	225,100	30%	na	na
Dec	266	-30%	4,484	0%	226,100	21%	na	na
2014 - Jan	330	-17%	4,434	-3%	222,300	40%	na	na
Feb	431	20%	4,469	-3%	231,800	40%	na	na
Mar	358	0%	4,469	-2%	211,000	6%	na	na
Apr	559	42%	4,671	4%	231,400	32%	na	na
May	649	57%	4,925	10%	224,500	9%	na	na
Jun	560	23%	5,071	12%	239,200	13%	na	na
Jul	508	13%	5,122	12%	230,900	7%	na	na
Aug	505	40%	5,176	15%	254,200	20%	na	na
Sep	533	37%	5,349	20%	214,600	15%	na	na
Oct	495	90%	5,454	23%	232,000	12%	na	na
Nov	284	7%	5,478	22%	234,800	4%	na	na
Dec	518	57%	5,730	29%	209,100	-8%	na	na
2015 - Jan	414	-4%	5,814	30%	225,700	2%	na	na
Feb	437	22%	5,820	30%	212,000	-9%	na	na
Mar	512	-8%	5,974	28%	233,400	11%	na	na
Apr	479	-26%	5,894	20%	249,000	8%	na	na
May	539	-4%	5,784	14%	239,400	7%	na	na
Jun	561	10%	5,785	13%	214,000	-11%	na	na
Jul	528	5%	5,805	12%	228,300	-1%	na	na
Aug	357	-33%	5,657	6%	233,300	-8%	na	na
Sep	386	-22%	5,510	1%	237,500	11%	na	na
Oct	591	108%	5,606	2%	233,900	1%	na	na
Nov	413	-20%	5,735	0%	229,000	-2%	na	na
Dec	447	8%	5,664	-3%	248,400	19%	na	na
2016 - Jan	449	3%	5,699	-2%	221,000	-2%	na	na
Feb	469	-8%	5,731	-4%	219,200	3%	na	na
Mar	729	52%	5,948	1%	243,100	4%	na	na
Apr	614	14%	6,083	5%	198,400	-20%	na	na
May	656	17%	6,200	7%	216,000	-10%	na	na
Jun	685	30%	6,324	9%	218,300	2%	na	na
Jul	633	77%	6,429	14%	209,700	-8%	na	na
Aug	639	66%	6,711	22%	217,100	-7%	na	na
Sep	705	19%	7,030	25%	215,500	-9%	na	na
Oct	576	39%	7,015	22%	221,600	-5%	na	na
Nov	431	-4%	7,033	24%	233,000	2%	na	na
Dec	579	29%	7,165	26%	231,000	-7%	na	na
2017 - Jan	675	44%	7,391	29%	198,700	-10%	na	na
Feb	543	-26%	7,465	26%	218,900	0%	na	na
Mar	1121	83%	7,857	29%	204,500	-16%	na	na
Apr	727	11%	7,970	29%	223,400	13%	na	na
May	673	-2%	7,987	26%	214,900	-1%	na	na
Jun	959	52%	8,261	28%	230,400	6%	na	na
Jul	679	6%	8,307	24%	233,700	11%	na	na
Aug	632	-10%	8,300	18%	234,000	8%	na	na
Sep	687	19%	8,282	18%	242,600	13%	na	na
Oct	637	48%	8,343	19%	280,900	27%	na	na
Nov	627	8%	8,539	19%	214,100	-8%	na	na
Dec	650	-4%	8,610	16%	205,800	-11%	na	na
2018 - Jan	718	32%	8,653	16%	230,600	16%	na	na
Feb	724	-35%	8,834	12%	224,500	3%	na	na
Mar	780	7%	8,493	7%	229,300	12%	na	na
Apr	908	35%	8,674	9%	237,800	6%	na	na
May	740	-23%	8,741	6%	233,100	8%	na	na
Jun	844	24%	8,626	4%	290,400	26%	na	na
Jul	1051	66%	8,998	8%	208,000	-11%	na	na
Aug	646	-6%	9,012	9%	244,900	5%	na	na
Sep	583	-8%	8,908	7%	231,400	-5%	na	na
Oct	606	-3%	8,877	4%	269,700	-4%	na	na
Nov	718	10%	8,968	4%	250,500	17%	na	na
Dec	671	-7%	8,989	4%	251,900	22%	na	na
2019 - Jan	590	-19%	8,861	0%	259,200	12%	na	na

Aug	28		692	18	117,200		107,000	36
Sep	34		689	16	114,600		109,100	38
Oct	202		823	50	90,200		104,800	28
Nov	30		831	49	108,200		105,000	27
Dec	16		785	33	153,900		106,300	26
2007-Jan	32		781	29	121,100		105,500	22
Feb	96		845	46	114,700		103,200	8
Mar	12		769	23	85,500		102,100	3
Apr	36		686	-6	90,600		101,900	1
May	112		766	6	94,500		100,100	-2
Jun	9		689	-3	94,700		100,800	-3
Jul	346		953	29	63,300		87,700	-16
Aug	40		965	39	90,600		87,000	-19
Sep	36		967	40	73,800		85,600	-22
Oct	56		821	0	60,600		82,700	-21
Nov	31		822	-1	72,300		81,400	-22
Dec	40		846	8	91,900		80,500	-24
2008-Jan	38	-60%	852	9	130,900		81,200	-23
Feb	46	283%	802	-5	111,800		79,000	-23
Mar	87	142%	877	14	113,300		82,300	-19
Apr	12	-89%	853	24	124,400		82,500	-19
May	6	-33%	747	-2	53,100		80,500	-20
Jun	12	-97%	750	9	118,200		80,900	-20
Jul	19	-53%	423	-56	127,900		97,500	11
Aug	12	-67%	395	-59	151,800		99,800	15
Sep	20	-64%	379	-61	106,200		102,600	20
Oct	0	-100%	323	-61	-		109,900	33
Nov	0	-100%	292	-64	-		113,900	40
Dec	0	-100%	252	-70	-		117,400	46
2009-Jan	0	-100%	214	-73%	-	#VALUE!	115,000	42
Feb	2	-98%	170	-81%	185,600	66%	116,700	48
Mar	17	42%	100	-88%	73,600	-35%	112,300	36
Apr	4	-33%	92	-88%	107,500	-14%	110,500	34
May	4	-67%	90	-88%	106,200	100%	114,200	42
Jun	0	-100%	78	-82%	-	#VALUE!	113,500	40
Jul	0	-100%	59	-85%	-	#VALUE!	108,900	12
Aug	0	-100%	47	-88%	-	#VALUE!	97,900	-2
Sep	0	#DIV/0!	27	-92%	-	#VALUE!	91,800	-11
Oct	0	#DIV/0!	27	-91%	-	#VALUE!	91,800	-16
Nov	0	#DIV/0!	27	-89%	-	#VALUE!	91,800	-19
Dec	0	#DIV/0!	27	-87%	-	#VALUE!	91,800	-22
2010-Jan	0	-100%	27	-84%	-	#VALUE!	91,800	-20
Feb	2	-88%	27	-73%	174800	-6%	91,000	-22
Mar	126	3050%	136	48%	85600	16%	88,200	-21
Apr	0	-100%	132	47%	-	#VALUE!	87,600	-21
May	0	#DIV/0!	128	64%	-	#VALUE!	87,000	-24
Jun	4	#DIV/0!	132	124%	169800	#VALUE!	89,500	-21
Jul	0	#DIV/0!	132	181%	-	#VALUE!	89,500	-18
Aug	0	#DIV/0!	132	389%	-	#VALUE!	89,500	-9
Sep	0	#DIV/0!	132	389%	-	#VALUE!		
Oct	0	#DIV/0!	132	389%	-	#VALUE!		
Nov	0	#DIV/0!	132	389%	-	#VALUE!		
Dec	118	#DIV/0!	250	826%	148400	#VALUE!		
2011 - Jan	0	-100%	250	826%	-	#VALUE!		
Feb	4	-97%	252	85%	137500	-21%		
Mar	16	#DIV/0!	142	8%	137500	61%		
Apr	0	#DIV/0!	142	11%	-	#VALUE!		
May	2	-50%	144	9%	62500	#VALUE!		
Jun	4	#DIV/0!	144	9%	80400	-53%		
Jul	0	#DIV/0!	144	9%	-	#VALUE!		
Aug	20	#DIV/0!	164	24%	128500	#VALUE!		
Sep	0	#DIV/0!	164	24%	-	#VALUE!		
Oct	0	#DIV/0!	164	24%	-	#VALUE!		
Nov	0	-100%	164	-34%	-	#VALUE!		
Dec	4	#DIV/0!	50	-80%	34000	-77%		
2012 - Jan	0	-100%	50	-80%	-	#VALUE!		
Feb	15	-6%	61	-57%	144000	5%		
Mar	0	#DIV/0!	45	-68%	-	#VALUE!		
Apr	8	300%	53	-63%	69500	#VALUE!		
May	0	-100%	51	-65%	-	#VALUE!		
Jun	0	#DIV/0!	47	-67%	-	#VALUE!		
Jul	4	-80%	51	-69%	60900	#VALUE!		
Aug	0	#DIV/0!	31	-81%	-	#VALUE!		
Sep	6	#DIV/0!	37	-77%	120000	#VALUE!		
Oct	0	#DIV/0!	37	-77%	-	#VALUE!		
Nov	0	-100%	37	-26%	-	#VALUE!		
Dec	8	#DIV/0!	41	-18%	97600	187%		
2013 - Jan	8	-47%	49	-20%	114000	#VALUE!		
Feb	84	#DIV/0!	118	162%	113800	-21%		
Mar	18	125%	136	157%	108400	#VALUE!		
Apr	46	#DIV/0!	174	241%	119500	72%		
May	35	#DIV/0!	209	345%	123900	#VALUE!		
Jun	20	400%	229	349%	134000	#VALUE!		
Jul	28	#DIV/0!	253	716%	117200	92%		
Aug	38	533%	291	686%	133400	#VALUE!		
Sep	75	#DIV/0!	360	873%	134300	12%		
Oct	2	#DIV/0!	362	878%	28800	#VALUE!		
Nov	0	-100%	362	783%	-	#VALUE!		
Dec	16	100%	370	655%	185700	90%		
2014 - Jan	26	-69%	388	229%	138600	22%		
Feb	44	144%	348	156%	141000	24%		
Mar	22	-52%	352	102%	138600	28%		
Apr	26	-26%	332	59%	118500	-1%		
May	20	0%	317	38%	148900	20%		
Jun	30	7%	327	29%	135500	1%		
Jul	30	-21%	329	13%	79500	-32%		
Aug	58	-23%	349	-3%	48300	-64%		
Sep	40	1900%	314	-13%	240200	79%		
Oct	33	#DIV/0!	345	-5%	190700	562%		
Nov	18	13%	363	-2%	123100	#VALUE!		
Dec	21	-19%	368	-5%	88600	-52%		
2015 - Jan	32	-27%	374	7%	151900	10%		
Feb	22	0%	352	0%	116100	-18%		
Mar	18	-31%	348	5%	139900	1%		
Apr	30	50%	352	11%	241000	103%		
May	48	60%	380	16%	120000	-19%		
Jun	32	7%	382	16%	141000	4%		
Jul	24	-59%	376	8%	133000	67%		
Aug	24	-40%	342	9%	129200	167%		
Sep	24	-27%	326	-6%	145100	-40%		
Oct	46	156%	339	-7%	156600	-18%		
Nov	42	100%	363	-1%	121000	-2%		
Dec	22	-31%	364	-3%	146500	65%		
2016 - Jan	0	-100%	332	-6%	0	-100%		
Feb	6	-67%	316	-9%	150000	29%		
Mar	50	67%	348	-1%	66200	-53%		
Apr	0	-100%	318	-16%	0	-100%		
May	0	-100%	270	-29%	0	-100%		
Jun	2	-92%	240	-36%	71000	-50%		
Jul	0	-100%	216	-37%	0	-100%		
Aug	0	-100%	192	-41%	0	-100%		
Sep	16	-65%	184	-46%	304200	110%		
Oct	4	-90%	142	-61%	500000	219%		
Nov	0	-100%	100	-73%	0	-100%		
Dec	0	#DIV/0!	78	-77%	0	-100%		
2017 - Jan	0	-100%	78	-75%	0	#DIV/0!		
Feb	28	-44%	100	-71%	88200	-41%		
Mar	9	#DIV/0!	59	-81%	371400	461%		
Apr	0	#DIV/0!	59	-78%	0	#DIV/0!		
May	8	300%	67	-72%	142900	#DIV/0!		
Jun	0	#DIV/0!	65	-70%	0	-100%		
Jul	2	#DIV/0!	67	-65%	71000	#DIV/0!		
Aug	0	-100%	67	-64%	0	#DIV/0!		
Sep	4	0%	55	-61%	72900	-76%		
Oct	11	#DIV/0!	62	-38%	100200	-80%		
Nov	38	#DIV/0!	100	28%	137600	#DIV/0!		
Dec	2	#DIV/0!	102	31%	57500	#DIV/0!		
2018 - Jan	5	-82%	107	7%	194100	#DIV/0!		
Feb	4	-56%	83	41%	108600	23%		
Mar	2	#DIV/0!	76	29%	130000	-65%		
Apr	0	-100%	76	13%	0	#DIV/0!		
May	0	#DIV/0!	68	5%	0	-100%		
Jun	12	500%	80	19%	511800	#DIV/0!		
Jul	4	#DIV/0!	82	22%	50000	-30%		
Aug	4	0%	86	56%	177500	#DIV/0!		
Sep	4	-64%	86	39%	100000	37%		
Oct	12	-68%	87	-13%	239500	139%		
Nov	24	1100%	73	-28%	81800	-41%		
Dec	0	-100%	71	-34%	0	-100%		
2019 - Jan	6	50%	72	-13%	142200	-27%		

Aug	681		5,602	104	58,800		57,700	13
Sep	777		6,198	146	63,300		57,900	6
Oct	120		4,746	18	71,700		64,200	34
Nov	446		5,079	30	70,800		64,000	27
Dec	685		5,378	28	47,600		62,600	25
2007-Jan	501		5,792	38	109,200		66,700	34
Feb	468		5,917	31	35,900		64,900	29
Mar	0		4,931	-4	-		68,100	37
Apr	0		4,577	-11	-		66,900	24
May	405		4,688	-12	131,300		71,800	30
Jun	0		4,296	-24	-		69,800	23
Jul	1,144		5,227	-3	131,300		83,600	46
Aug	506		5,052	-10	59,800		84,600	47
Sep	73		4,348	-30	131,300		89,200	54
Oct	446		4,674	-2	131,300		93,600	46
Nov	562		4,790	-6	99,200		96,400	51
Dec	468		4,573	-15	98,800		104,000	66
2008-Jan	514	10%	4,586	-21	312,700		126,800	90
Feb	350	#DIV/0!	4,468	-24	131,300		136,700	111
Mar	620	#DIV/0!	5,088	3	80,200		129,800	91
Apr	20	-95%	5,108	12	1,495,200		135,100	102
May	0	#DIV/0!	4,703	0	-		135,500	89
Jun	350	-69%	5,053	18	67,400		130,700	87
Jul	270	-47%	4,179	-20	227,800		136,900	64
Aug	400	448%	4,073	-19	60,100		138,900	64
Sep	81	-82%	4,081	-6	86,100		138,000	55
Oct	102	-82%	3,737	-20	22,500		135,600	45
Nov	0	-100%	3,175	-34	-		142,100	47
Dec	0	-100%	2,707	-41	-		149,500	44
2009-Jan	215	-39%	2,408	-46%	59,200	-81%	106,600	-16
Feb	218	-65%	2,276	-55%	97,400	-26%	102,000	-25
Mar	261	1205%	1,917	-62%	49,000	-39%	101,800	-22
Apr	121	#DIV/0!	2,018	-57%	69,700	-95%	86,000	-36
May	193	-45%	2,211	-56%	337,000	#VALUE!	108,000	-20
Jun	254	-6%	2,115	-49%	33,000	-51%	105,700	-19
Jul	10	-98%	1,855	-54%	9,100	-96%	87,400	-36
Aug	0	-100%	1,455	-64%	-	#VALUE!	94,900	-32
Sep	46	-55%	1,420	-62%	94,600	10%	95,300	-31
Oct	0	#DIV/0!	1,318	-58%	-	#VALUE!	101,000	-26
Nov	243	#DIV/0!	1,561	-42%	103,600	#VALUE!	101,400	-29
Dec	0	-100%	1,561	-35%	-	#VALUE!	101,400	-32
2010-Jan	0	-100%	1,346	-41%	-	#VALUE!	108,100	1
Feb	0	-100%	1,128	-41%	-	#VALUE!	110,400	8
Mar	95	-21%	962	-52%	21,800	-56%	118,300	16
Apr	163	-16%	1,004	-55%	216,500	211%	140,100	63
May	0	-100%	811	-62%	-	#VALUE!	93,200	-14
Jun	11	10%	568	-69%	222,500	574%	122,600	16
Jul	0	#DIV/0!	558	-62%	-	#VALUE!	124,600	43
Aug	150	226%	708	-50%	82,600	#VALUE!	119,200	26
Sep	57	#DIV/0!	719	-45%	84,700	-10%		
Oct	0	-100%	719	-54%	-	#VALUE!		
Nov	218	#DIV/0!	694	-56%	61,100	-41%		
Dec	313	#DIV/0!	1,007	-25%	79,300	#VALUE!		
2011 - Jan	0	#DIV/0!	1,007	-11%	-	#VALUE!		
Feb	7	-93%	1,014	5%	192,900	#VALUE!		
Mar	23	-86%	942	-6%	84,100	286%		
Apr	213	#DIV/0!	992	22%	60,000	-72%		
May	167	1418%	1,159	104%	71,400	#VALUE!		
Jun	911	#DIV/0!	2,059	269%	71,100	-68%		
Jul	0	-100%	2,059	191%	-	#VALUE!		
Aug	0	-100%	1,909	166%	-	#VALUE!		
Sep	0	#DIV/0!	1,852	158%	-	#VALUE!		
Oct	169	-22%	2,021	191%	59,700	#VALUE!		
Nov	617	97%	2,420	140%	48,200	-21%		
Dec	312	#DIV/0!	2,419	140%	56,500	-29%		
2012 - Jan	690	9757%	3,109	207%	154,000	#VALUE!		
Feb	811	3426%	3,913	315%	89,300	-54%		
Mar	562	164%	4,452	349%	80,000	-5%		
Apr	1289	672%	5,528	377%	72,600	21%		
May	589	-35%	5,950	189%	71,800	1%		
Jun	438	#DIV/0!	5,477	166%	72,900	3%		
Jul	225	#DIV/0!	5,702	199%	117,600	#VALUE!		
Aug	504	#DIV/0!	6,206	235%	57,900	#VALUE!		
Sep	366	117%	6,572	225%	34,700	#VALUE!		
Oct	1070	73%	7,473	209%	55,300	-7%		
Nov	578	85%	7,434	207%	30,500	-37%		
Dec	896	30%	8,018	158%	119,200	111%		
2013 - Jan	745	-8%	8,073	106%	69,600	-55%		
Feb	2152	283%	9,414	111%	102,100	14%		
Mar	373	-71%	9,225	67%	67,900	-15%		
Apr	1296	120%	9,232	55%	63,700	-12%		
May	508	16%	9,151	67%	90,400	26%		
Jun	0	-100%	8,713	53%	-	#VALUE!		
Jul	162	-68%	8,650	39%	68,100	-42%		
Aug	587	60%	8,733	33%	75,400	30%		
Sep	430	-60%	8,797	18%	85,000	145%		
Oct	402	-30%	8,129	9%	86,700	57%		
Nov	1056	18%	8,607	7%	76,400	150%		
Dec	1340	80%	9,051	12%	84,900	-29%		
2014 - Jan	270	-87%	8,576	-9%	59,400	-15%		
Feb	363	-3%	6,787	-26%	106,000	4%		
Mar	202	-84%	6,616	-28%	79,900	18%		
Apr	480	-6%	5,800	-37%	62,800	-1%		
May	807	#DIV/0!	6,099	-30%	88,900	-2%		
Jun	501	209%	6,600	-24%	71,600	#VALUE!		
Jul	605	3%	7,043	-19%	56,700	-17%		
Aug	1086	153%	7,542	-14%	62,000	-18%		
Sep	560	39%	7,672	-6%	75,100	-12%		
Oct	1265	20%	8,535	-1%	79,900	-8%		
Nov	407	-70%	7,886	-13%	86,400	13%		
Dec	34	-87%	6,580	-23%	75,700	-11%		
2015 - Jan	258	-29%	6,568	-3%	86,600	46%		
Feb	802	297%	7,007	6%	62,100	-41%		
Mar	643	34%	7,448	28%	55,100	-31%		
Apr	346	-57%	7,314	20%	547,700	772%		
May	326	-35%	6,833	4%	57,600	-35%		
Jun	910	50%	7,242	3%	68,800	-4%		
Jul	340	-69%	6,977	-7%	95,900	69%		
Aug	964	72%	6,855	-11%	85,600	38%		
Sep	815	-36%	7,110	-17%	81,600	9%		
Oct	395	-3%	6,240	-21%	96,800	21%		
Nov	359	956%	6,192	-6%	58,400	-32%		
Dec	1644	537%	7,802	19%	84,800	12%		
2016 - Jan	1034	29%	8,578	22%	91,200	5%		
Feb	342	-47%	8,118	9%	76,900	24%		
Mar	417	21%	7,892	8%	99,600	81%		
Apr	256	-21%	7,802	14%	49,400	-91%		
May	297	-67%	7,773	7%	60,700	5%		
Jun	965	184%	7,828	12%	80,000	16%		
Jul	306	-68%	7,794	14%	113,700	19%		
Aug	486	-40%	7,316	3%	81,400	-5%		
Sep	1326	236%	7,827	25%	77,500	-5%		
Oct	18	-95%	7,450	20%	74,000	-24%		
Nov	530	-68%	7,621	-2%	156,500	168%		
Dec	281	-73%	6,258	-27%	268,700	217%		
2017 - Jan	494	44%	5,718	-30%	59,700	-35%		
Feb	629	51%	6,005	-24%	63,800	-17%		
Mar	773	202%	6,361	-18%	47,000	-53%		
Apr	781	163%	6,886	-11%	66,600	35%		
May	1129	17%	7,718	-1%	47,600	-22%		
Jun	1342	339%	8,095	4%	76,300	-5%		
Jul	312	-36%	8,101	11%	13,900	-88%		
Aug	536	-60%	8,151	4%	75,200	-8%		
Sep	295	1539%	7,120	-4%	67,500	-13%		
Oct	1007	90%	8,109	6%	49,000	-34%		
Nov	415	48%	7,994	28%	101,200	-35%		
Dec	263	-47%	7,976	39%	69,200	-74%		
2018 - Jan	994	58%	8,476	41%	104,300	75%		
Feb	512	-34%	8,359	31%	111,600	75%		
Mar	1156	48%	8,742	27%	91,200	94%		
Apr	1382	22%	9,343	21%	79,300	19%		
May	2370	77%	10,584	31%	75,400	58%		
Jun	934	199%	10,176	26%	57,900	-24%		
Jul	413	-23%	10,277	26%	54,300	291%		
Aug	264	-11%	10,005	41%	66,900	-11%		
Sep	637	-37%	10,347	28%	79,400	18%		
Oct	319	-23%	9,659	21%	132,000	169%		
Nov	526	100%	9,770	22%	104,100	3%		
Dec	954	-4%	10,461	23%	86,800	25%		
2019 - Jan	37	-93%	9,504	14%	113,800	9%		

Aug	709	6294	969	10,341	1,678	16,635	40%	99%
Sep	811	6887	795	10,279	1,606	17,166	45%	-4%
Oct	322	5569	668	10,228	990	15,797	19%	-38%
Nov	476	5910	586	9,868	1,062	15,778	16%	7%
Dec	701	6163	578	9,572	1,279	15,735	10%	20%
2007-Jan	533	6573	395	8,708	928	15,281	2%	-27%
Feb	564	6762	668	8,734	1,232	15,496	1%	33%
Mar	12	5700	656	8,305	668	14,005	-14%	-46%
Apr	36	5263	727	8,190	763	13,453	-18%	14%
May	517	5454	751	8,171	1,268	13,625	-17%	66%
Jun	9	4985	627	7,967	636	12,952	-23%	-50%
Jul	1490	6180	592	8,012	2,082	14,192	-13%	227%
Aug	546	6017	485	7,528	1,031	13,545	-19%	-50%
Sep	109	5315	458	7,191	567	12,506	-27%	-45%
Oct	502	5495	525	7,048	1,027	12,543	-21%	81%
Nov	593	5612	308	6,770	901	12,382	-22%	-12%
Dec	508	5419	405	6,597	913	12,016	-24%	1%
2008-Jan	552	5438	449	6,651	1,001	12,089	-21%	10%
Feb	396	5270	350	6,333	746	11,603	-25%	-25%
Mar	707	5965	514	6,191	1,221	12,156	-13%	64%
Apr	32	5961	521	5,985	553	11,946	-11%	-55%
May	6	5450	181	5,415	187	10,865	-20%	-66%
Jun	362	5803	345	5,133	707	10,936	-16%	278%
Jul	289	4602	442	4,983	731	9,585	-32%	3%
Aug	412	4468	357	4,855	769	9,323	-31%	5%
Sep	101	4460	458	4,855	559	9,315	-26%	-27%
Oct	102	4060	137	4,467	239	8,527	-32%	-57%
Nov	0	3467	81	4,240	81	7,707	-38%	-66%
Dec	0	2959	52	3,887	52	6,846	-43%	-36%
2009-Jan	215	2622	317	3,755	532	6,377	-47%	923%
Feb	220	2446	236	3,641	456	6,087	-48%	-14%
Mar	278	2017	285	3,412	563	5,429	-55%	23%
Apr	125	2110	394	3,285	519	5,395	-55%	-8%
May	197	2301	236	3,340	433	5,641	-48%	-17%
Jun	254	2193	379	3,374	633	5,567	-49%	46%
Jul	10	1914	522	3,454	532	5,368	-44%	-16%
Aug	0	1502	287	3,384	287	4,886	-48%	-46%
Sep	46	1447	278	3,204	324	4,651	-50%	13%
Oct	0	1345	256	3,323	256	4,668	-45%	-21%
Nov	243	1588	191	3,433	434	5,021	-35%	70%
Dec	0	1588	284	3,665	284	5,253	-23%	-35%
2010-Jan	0	1373	227	3,575	227	4,948	-22%	-20%
Feb	2	1155	281	3,620	283	4,775	-22%	25%
Mar	221	1098	378	3,713	599	4,811	-11%	112%
Apr	163	1136	317	3,636	480	4,772	-12%	-20%
May	0	939	268	3,668	268	4,607	-18%	-44%
Jun	15	700	280	3,569	295	4,269	-23%	10%
Jul	0	690	268	3,315	268	4,005	-25%	-9%
Aug	150	840	267	3,295	417	4,135	-15%	56%
Sep	57	851	258	3,275	315	4,126	-11%	-24%
Oct	0	851	201	3,220	201	4,071	-13%	-36%
Nov	218	826	185	3,214	403	4,040	-20%	100%
Dec	431	1257	206	3,136	637	4,393	-16%	58%
2011 - Jan	0	1257	220	3,129	220	4,386	-11%	-65%
Feb	11	1266	242	3,090	253	4,356	-9%	15%
Mar	39	1084	391	3,103	430	4,187	-13%	70%
Apr	213	1134	371	3,157	584	4,291	-10%	36%
May	169	1303	280	3,169	449	4,472	-3%	-23%
Jun	915	2203	309	3,198	1,224	5,401	27%	173%
Jul	0	2203	261	3,191	261	5,394	35%	-79%
Aug	20	2073	260	3,184	280	5,257	27%	7%
Sep	0	2016	305	3,231	305	5,247	27%	9%
Oct	169	2185	201	3,231	370	5,416	33%	21%
Nov	617	2584	222	3,268	839	5,852	45%	127%
Dec	316	2469	239	3,301	555	5,770	31%	-34%
2012 - Jan	690	3159	316	3,397	1,006	6,556	49%	81%
Feb	826	3974	296	3,451	1,122	7,425	70%	12%
Mar	562	4497	336	3,396	898	7,893	89%	-20%
Apr	1297	5581	392	3,417	1,689	8,998	110%	88%
May	589	6001	472	3,609	1,061	9,610	115%	-37%
Jun	438	5524	438	3,738	876	9,262	71%	-17%
Jul	229	5753	390	3,867	619	9,620	78%	-29%
Aug	504	6237	425	4,032	929	10,269	95%	50%
Sep	372	6609	414	4,141	786	10,750	105%	-15%
Oct	1070	7510	456	4,396	1,526	11,906	120%	94%
Nov	578	7471	273	4,447	851	11,918	104%	-44%
Dec	904	8059	215	4,423	1,119	12,482	116%	31%
2013 - Jan	753	8122	380	4,487	1,133	12,609	92%	1%
Feb	2236	9532	396	4,587	2,632	14,119	90%	132%
Mar	391	9361	358	4,609	749	13,970	77%	-72%
Apr	1342	9406	357	4,574	1,699	13,980	55%	127%
May	543	9360	395	4,497	938	13,857	44%	-45%
Jun	20	8942	414	4,473	434	13,415	45%	-54%
Jul	190	8903	457	4,540	647	13,443	40%	49%
Aug	625	9024	451	4,566	1,076	13,590	32%	66%
Sep	505	9157	360	4,512	865	13,669	27%	-20%
Oct	404	8491	390	4,446	794	12,937	9%	-8%
Nov	1056	8969	260	4,433	1,316	13,402	12%	66%
Dec	1356	9421	266	4,484	1,622	13,905	11%	23%
2014 - Jan	296	8964	330	4,434	626	13,398	6%	-61%
Feb	407	7135	431	4,469	838	11,604	-18%	34%
Mar	224	6968	358	4,469	582	11,437	-18%	-31%
Apr	506	6132	559	4,671	1,065	10,803	-23%	83%
May	827	6416	649	4,925	1,476	11,341	-18%	39%
Jun	531	6927	560	5,071	1,091	11,998	-11%	-26%
Jul	635	7372	508	5,122	1,143	12,494	-7%	5%
Aug	1144	7891	505	5,176	1,649	13,067	-4%	44%
Sep	600	7986	533	5,349	1,133	13,335	-2%	-31%
Oct	1298	8880	495	5,454	1,793	14,334	11%	58%
Nov	425	8249	284	5,478	709	13,727	2%	-60%
Dec	55	6948	518	5,730	573	12,678	-9%	-19%
2015 - Jan	290	6942	414	5,814	704	12,756	-5%	23%
Feb	824	7359	437	5,820	1,261	13,179	14%	79%
Mar	661	7796	512	5,974	1,173	13,770	20%	-7%
Apr	376	7666	479	5,894	855	13,560	26%	-27%
May	374	7213	539	5,784	913	12,997	15%	7%
Jun	942	7624	561	5,785	1,503	13,409	12%	65%
Jul	364	7353	528	5,805	892	13,158	5%	-41%
Aug	988	7197	357	5,657	1,345	12,854	-2%	51%
Sep	839	7436	386	5,510	1,225	12,946	-3%	-9%
Oct	441	6579	591	5,606	1,032	12,185	-15%	-16%
Nov	401	6555	413	5,735	814	12,290	-10%	-21%
Dec	1666	8166	447	5,664	2,113	13,830	9%	160%
2016 - Jan	1034	8910	449	5,699	1,483	14,609	15%	-30%
Feb	348	8434	469	5,731	817	14,165	7%	-45%
Mar	467	8240	729	5,948	1,196	14,188	3%	46%
Apr	256	8120	614	6,083	870	14,203	5%	-27%
May	297	8043	656	6,200	953	14,243	10%	10%
Jun	967	8068	685	6,324	1,652	14,392	7%	73%
Jul	306	8010	633	6,429	939	14,439	10%	-43%
Aug	486	7508	639	6,711	1,125	14,219	11%	20%
Sep	1342	8011	705	7,030	2,047	15,041	16%	82%
Oct	22	7592	576	7,015	598	14,607	20%	-71%
Nov	530	7721	431	7,033	961	14,754	20%	61%
Dec	281	6336	579	7,165	860	13,501	-2%	-11%
2017 - Jan	494	5796	675	7,391	1,169	13,187	-10%	36%
Feb	657	6105	543	7,465	1,200	13,570	-4%	3%
Mar	782	6420	1121	7,857	1,903	14,277	1%	59%
Apr	781	6945	727	7,970	1,508	14,915	5%	-21%
May	1137	7785	673	7,987	1,810	15,772	11%	20%
Jun	1342	8160	959	8,261	2,301	16,421	14%	27%
Jul	314	8168	679	8,307	993	16,475	14%	-57%
Aug	536	8218	632	8,300	1,168	16,518	16%	18%
Sep	299	7175	687	8,282	986	15,457	3%	-16%
Oct	1018	8171	637	8,343	1,655	16,514	13%	68%
Nov	453	8094	627	8,539	1,080	16,633	13%	-35%
Dec	265	8078	650	8,610	915	16,688	24%	-15%
2018 - Jan	999	8583	718	8,653	1,717	17,236	31%	88%
Feb	516	8442	724	8,834	1,240	17,276	27%	-28%
Mar	1158	8818	780	8,493	1,938	17,311	21%	56%
Apr	1382	9419	908	8,674	2,290	18,093	21%	18%
May	2370	10652	740	8,741	3,110	19,393	23%	36%
Jun	946	10256	844	8,626	1,790	18,882	15%	-42%
Jul	417	10359	1051	8,998	1,468	19,357	17%	-18%
Aug	268	10091	646	9,012	914	19,103	16%	-38%
Sep	641	10433	583	8,908	1,224	19,341	25%	34%
Oct	331	9746	606	8,877	937	18,623	13%	-23%
Nov	550	9843	718	8,968	1,268	18,811	13%	35%
Dec	954	10532	671	8,989	1,625	19,521	17%	28%
2019 - Jan	43	9576	590	8,861	633	18,437	7%	-61%

Feb	681	-13%	8,818	4%	230,900	3%	na	na
Mar	911	0%	8,949	3%	261,000	14%	na	na
Apr	1053	42%	9,094	4%	210,400	-12%	na	na
May	946	12%	9,300	8%	263,200	13%	na	na
Jun	740	-30%	9,196	2%	234,700	-19%	na	na
Jul	691	7%	8,836	-2%	227,200	9%	na	na
Aug	1026	76%	9,216	3%	244,600	0%	na	na
Sep	706	17%	9,339	5%	232,700	1%	na	na
Oct	753	5%	9,486	6%	248,400	-8%	na	na
Nov	693	3%	9,461	5%	251,300	0%	na	na
Dec	730	24%	9,520	7%	243,200	-3%	na	na
2020 - Jan	701	3%	9,631	9%	252,800	-2%	na	na
Feb	811	-11%	9,761	9%	230,700	0%	na	na
Mar	973	-8%	9,823	8%	233,400	-11%	na	na
Apr	776	-18%	9,546	3%	235,300	12%	na	na
May	607	-18%	9,207	0%	250,300	-5%	na	na
Jun	645	-7%	9,112	3%	243,600	4%	na	na
Jul	1122	9%	9,543	4%	221,400	-3%	na	na
Aug	860	22%	9,377	0%	223,200	-9%	na	na
Sep	968	29%	9,639	2%	219,400	-6%	na	na
Oct	931	34%	9,817	4%	214,500	-14%	na	na
Nov	1017	39%	10,141	7%	212,200	-16%	na	na
Dec	971	39%	10,382	8%	187,300	-23%	na	na
2021 - Jan	673	-17%	10,354	6%	238,400	-6%	na	na
Feb	777	-20%	10,320	5%	227,100	-2%	na	na
Mar	871	12%	10,218	7%	208,500	-11%	na	na
Apr	1122	85%	10,564	15%	243,900	4%	na	na
May	1058	64%	11,015	21%	208,000	-17%	na	na
Jun	932	-17%	11,302	18%	204,800	-16%	na	na
Jul	676	-21%	10,856	16%	251,700	14%	na	na
Aug	659	-32%	10,655	11%	230,400	3%	na	na
Sep	542	-42%	10,229	4%	271,600	24%	na	na
Oct	576	-43%	9,874	-3%	232,200	8%	na	na
Nov	475	-51%	9,332	-10%	294,900	39%	na	na
Dec	887	32%	9,248	-11%	317,400	69%	na	na
2022 - Jan	732	-6%	9,307	-10%	297,600	25%	na	na
Feb	656	-25%	9,186	-10%	287,800	27%	na	na
Mar	881	-21%	9,196	-13%	265,600	27%	na	na

Feb	2	0%	70	-8%	86600	-20%
Mar	16	#DIV/0!	84	11%	61400	-53%
Apr	6	#DIV/0!	90	32%	115800	#DIV/0!
May	0	-100%	90	13%	0	#DIV/0!
Jun	26	550%	104	27%	93600	-82%
Jul	43	975%	143	66%	140600	181%
Aug	30	650%	169	97%	141600	-20%
Sep	24	100%	189	117%	149700	50%
Oct	44	83%	221	203%	135700	-43%
Nov	24	#DIV/0!	221	211%	93000	14%
Dec	20	233%	241	235%	92900	#DIV/0!
2020 - Jan	10	400%	245	250%	93600	-34%
Feb	24	50%	267	218%	93900	8%
Mar	10	67%	261	190%	93800	53%
Apr	26	#DIV/0!	281	212%	93900	-19%
May	36	38%	317	205%	88200	#DIV/0!
Jun	10	-77%	301	110%	105100	12%
Jul	30	0%	288	70%	120400	-14%
Aug	29	21%	287	52%	90200	-36%
Sep	19	-57%	282	28%	105100	-30%
Oct	41	71%	279	26%	95100	-30%
Nov	12	-40%	267	11%	93900	1%
Dec	24	140%	271	11%	144700	56%
2021 - Jan	14	-42%	275	3%	22900	-76%
Feb	23	130%	274	5%	170900	82%
Mar	55	112%	319	14%	82400	-12%
Apr	41	14%	334	5%	101900	9%
May	30	200%	328	9%	113100	28%
Jun	36	20%	354	23%	154300	47%
Jul	20	-31%	344	20%	59400	-51%
Aug	41	116%	356	26%	338900	276%
Sep	52	27%	389	39%	97200	-8%
Oct	22	83%	370	39%	42600	-55%
Nov	53	121%	411	52%	123600	32%
Dec	43	207%	430	56%	112800	-22%
2022 - Jan	29	26%	445	62%	81800	257%
Feb	41	-25%	463	45%	108400	-37%
Mar	52	27%	460	38%	115800	41%

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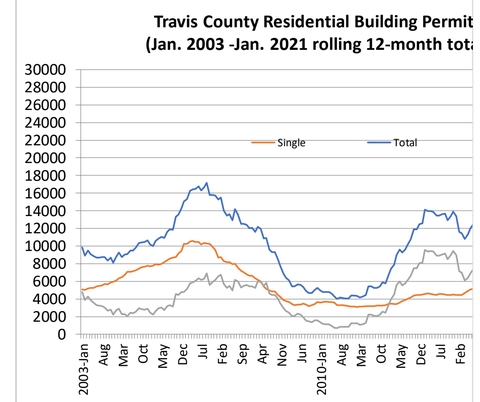
Feb	747	-35%	9,739	11%	71,200	-36%
Mar	1462	6%	10,045	8%	75,300	-17%
Apr	1319	-44%	9,982	-6%	63,800	-20%
May	1685	80%	9,297	-9%	61,800	-18%
Jun	232	-44%	8,595	-16%	129,300	123%
Jul	853	223%	9,035	-10%	167,200	208%
Aug	2281	258%	11,052	7%	61,100	-9%
Sep	540	69%	10,955	13%	335,600	323%
Oct	1286	144%	11,922	22%	190,900	45%
Nov	235	-75%	11,631	11%	142,600	37%
Dec	975	2535%	11,652	23%	85,500	-1%
2020 - Jan	2347	214%	13,962	43%	74,000	-35%
Feb	1698	16%	14,913	48%	92,400	30%
Mar	517	-61%	13,968	40%	92,400	23%
Apr	1645	-2%	14,294	54%	94,900	49%
May	1316	467%	13,925	62%	92,400	50%
Jun	691	-19%	14,384	59%	104,400	-19%
Jul	1868	-18%	15,399	39%	99,500	-40%
Aug	1299	141%	14,417	32%	92,400	51%
Sep	2093	63%	15,970	34%	95,000	-72%
Oct	528	125%	15,212	31%	92,400	-52%
Nov	490	-50%	15,467	33%	92,400	-35%
Dec	1514	-35%	16,006	15%	227,000	165%
2021 - Jan	2306	36%	15,965	7%	50,600	-32%
Feb	2273	340%	16,540	18%	106,900	16%
Mar	1566	-5%	17,589	23%	247,100	167%
Apr	772	-41%	16,716	20%	208,000	119%
May	1501	117%	16,901	17%	193,800	110%
Jun	1350	-28%	17,560	14%	149,300	43%
Jul	1408	8%	17,100	19%	264,600	166%
Aug	3315	58%	19,116	20%	34,300	-63%
Sep	584	11%	17,607	16%	102,400	8%
Oct	936	91%	18,015	16%	313,200	239%
Nov	1601	6%	19,126	19%	65,600	-29%
Dec	1809	-22%	19,421	22%	79,800	-65%
2022 - Jan	919	-60%	18,034	9%	102,400	102%
Feb	885	-43%	16,646	-5%	68,200	-36%
Mar	2478	221%	17,558	5%	93,600	-62%

Email your questions and comments to Mark Baumann

Feb	749	9809	681	8,818	1,430	18,627	8%	126%
Mar	1478	10129	911	8,949	2,389	19,078	10%	67%
Apr	1325	10072	1053	9,094	2,378	19,166	6%	0%
May	1685	9387	946	9,300	2,631	18,687	-4%	11%
Jun	258	8699	740	9,196	998	17,895	-5%	-62%
Jul	896	9178	691	8,836	1,587	18,014	-7%	59%
Aug	2311	11221	1026	9,216	3,337	20,437	7%	110%
Sep	564	11144	706	9,339	1,270	20,483	6%	-62%
Oct	1330	12143	753	9,486	2,083	21,629	16%	64%
Nov	259	11852	693	9,461	952	21,313	13%	-54%
Dec	995	11893	730	9,520	1,725	21,413	10%	81%
2020 - Jan	2357	14207	701	9,631	3,058	23,838	29%	77%
Feb	1722	15180	811	9,761	2,533	24,941	34%	-17%
Mar	527	14229	973	9,823	1,500	24,052	26%	-41%
Apr	1671	14575	776	9,546	2,447	24,121	26%	63%
May	1352	14242	607	9,207	1,959	23,449	25%	-20%
Jun	701	14685	645	9,112	1,346	23,797	33%	-31%
Jul	1898	15687	1122	9,543	3,020	25,230	40%	124%
Aug	1328	14704	860	9,377	2,188	24,081	18%	-28%
Sep	2112	16252	968	9,639	3,080	25,891	26%	41%
Oct	569	15491	931	9,817	1,500	25,308	17%	-51%
Nov	502	15734	1017	10,141	1,519	25,875	21%	1%
Dec	1538	16277	971	10,382	2,509	26,659	24%	65%
2021 - Jan	2320	16240	673	10,354	2,993	26,594	12%	19%
Feb	2296	16814	777	10,320	3,073	27,134	9%	3%
Mar	1621	17908	871	10,218	2,492	28,126	17%	-19%
Apr	813	17050	1122	10,564	1,935	27,614	14%	-22%
May	1531	17229	1058	11,015	2,589	28,244	20%	34%
Jun	1386	17914	932	11,302	2,318	29,216	23%	-10%
Jul	1428	17444	676	10,856	2,104	28,300	12%	-9%
Aug	3356	19472	659	10,655	4,015	30,127	25%	91%
Sep	636	17996	542	10,229	1,178	28,225	9%	-71%
Oct	958	18385	576	9,874	1,534	28,259	12%	30%
Nov	1654	19537	475	9,332	2,129	28,869	12%	39%
Dec	1852	19851	887	9,248	2,739	29,099	9%	29%
2022 - Jan	948	18479	732	9,307	1,680	27,786	4%	-39%
Feb	926	17109	656	9,186	1,582	26,295	-3%	-6%
Mar	2530	18018	881	9,196	3,411	27,214	-3%	116%
		MF		SF		Tot		
Year ago:	18018	6%	9196	-13%	27214	-1%		



Travis County, TX 2-4 Family Building

See also, Monthly Data.

	Number of Dwelling Units		Dwelling Unit ($)		
Year	Units	Percent Change	Value	Percent Change	Percent Change
	3,424		$60,100		
1980	2,917	-14.80%	$62,600	4.20%	
1981	3,943	35.20%	$71,300	13.90%	
1982	6,176	56.60%	$76,200	6.90%	
1983	6,658	7.80%	$83,200	9.20%	
1984	4,237	-36.40%	$81,800	-1.70%	
1985	3,493	-17.60%	$75,700	-7.50%	
1986	1,941	-44.40%	$81,800	8.10%	
1987	1,878	-3.20%	$95,700	17%	
1988	1,726	-8.10%	$115,700	20.90%	
1989	1,708	-1%	$123,700	6.90%	
1990	2,570	50.50%	$111,000	-10.30%	
1991	3,830	49%	$103,600	-6.70%	
1992	4,897	27.90%	$115,900	11.90%	
1993	4,569	-6.70%	$109,200	-5.80%	
1994	4,400	-3.70%	$109,700	0.50%	
1995	6,145	39.70%	$106,500	-2.90%	
1996	5,127	-16.60%	$108,500	1.90%	
1997	6,618	29.10%	$111,500	2.80%	
1998	6,742	1.90%	$134,000	20.20%	
1999	7,451	10.50%	$143,300	6.90%	
2000	4,393	-41%	$146,400	2.20%	
2001	5,246	19.40%	$144,400	-1.40%	
2002	6,118	16.60%	$129,500	-10.30%	
2003	7,757	26.80%	$137,000	5.80%	
2004	9,425	21.50%	$143,300	4.60%	
2005	9,575	1.60%	$151,300	5.60%	
2006	6,602	-31%	$178,200	17.80%	
2007	3,892	-41%	$176,000	-1.20%	
2008	3,661	-5.90%	$153,400	-12.80%	
2009	3,140	-14.20%	$171,600	11.90%	
2010	3,292	4.80%	$179,900	4.80%	
2011	4,428	34.50%	$170,300	-5.30%	
2012	4,495	1.50%	$199,400	17.10%	
2013	5,729	27.50%	$229,000	14.80%	
2014	5,652	-1.30%	$228,300	-0.30%	
2015	7,172	26.90%	$222,200	-2.70%	
2016	8,655	20.70%	$223,500	0.60%	
2017	8,978	3.70%	$237,200	6.10%	
2018			270%	4.08%	

Travis County, TX 2-4 Family Building

See also, Monthly Data.

	Units		Average Value per Dwelling Unit ($)		
Year	Units	Percent Change	Value	Percent Change	Percent Change
1980	1,146		$33,700		-
1981	1,760	53.60%	$33,400	-0.90%	-1
1982	2,140	21.60%	$41,600	24.60%	25
1983	2,267	5.90%	$38,900	-6.50%	-6
1984	2,649	16.90%	$41,500	6.70%	7
1985	833	-68.60%	$46,100	11.10%	11
1986	216	-74.10%	$38,300	-16.90%	-17
1987	28	-87%	$39,400	2.90%	3
1988	16	-42.90%	$29,500	-25.10%	-25
1989	12	-25%	$64,300	118%	118
1990	46	283.30%	$28,000	-56.50%	-56
1991	4	-91.30%	$38,400	37.10%	37
1992	34	750%	$57,400	49.50%	49
1993	48	41.20%	$48,900	-14.80%	-15
1994	92	91.70%	$50,300	2.90%	3
1995	117	27.20%	$47,900	-4.80%	-5
1996	216	84.60%	$51,300	7.10%	7
1997	376	74.10%	$61,800	20.50%	20
1998	248	-34%	$46,300	-25.10%	-25
1999	160	-35.50%	$80,600	74.10%	74
2000	465	190.60%	$55,500	-31.10%	-31
2001	264	-43.20%	$48,400	-12.80%	-13
2002	490	85.60%	$58,500	20.90%	21
2003	632	29%	$56,700	-3.10%	-3
2004	492	-22.20%	$68,700	21.20%	21
2005	592	20.30%	$84,600	23.10%	23
2006	785	32.60%	$106,300	25.70%	26
2007	846	7.80%	$80,500	-24.30%	-24
2008	249	-70.60%	$118,800	47.60%	48
2009	27	-89.20%	$91,800	-22.70%	-23
2010	250	825.90%	$117,300	27.80%	
2011	50	-80%	$122,400	4.30%	
2012	41	-18%	$108,800	-11.10%	
2013	370	802.40%	$125,400	15.30%	
2014	368	-0.50%	$130,800	4.30%	
2015	364	-1.10%	$144,800	10.70%	
2016	78	-78.60%	$143,900	-0.60%	
2017	98	25.60%	$138,200	-4%	
2018	91	-7.10%	$172,700	25%	
			327%	8.31%	

Travis County, TX 5+ Family Building

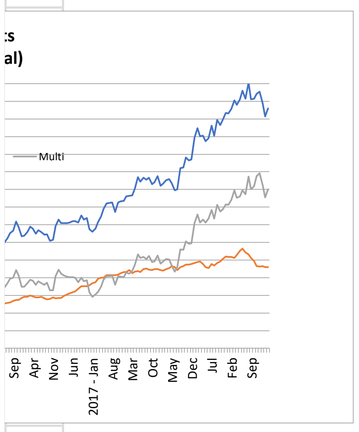
See also, Monthly Data.

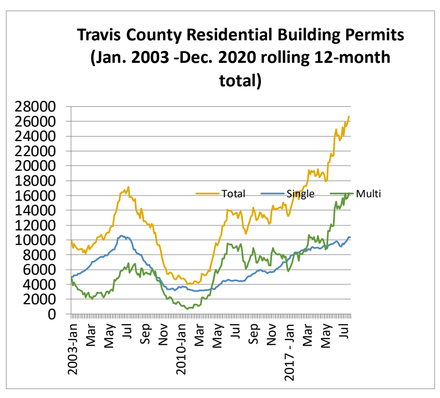
	Number of Dwelling Units		Dwelling Unit ($)		
Year	Units	Percent Change	Value	Percent Change	Percent Change
1980	2,388		$17,400		
1981	4,613	93.20%	$24,600	41.40%	
1982	4,285	-7.10%	$29,300	19.10%	
1983	14,320	234.20%	$20,300	-30.70%	
1984	10,484	-26.80%	$25,200	24.10%	
1985	8,041	-23.30%	$22,600	-10.30%	
1986	5,578	-30.60%	$24,000	6.20%	
1987	605	-89.20%	$20,200	-15.80%	
1988	297	-50.90%	$69,100	242.10%	
1989	8	-97.30%	$75,000	8.50%	
1990	0	-100%	$0	-100%	
1991	220	0%	$30,600	0%	
1992	996	352.70%	$18,600	-39.20%	
1993	2,048	105.60%	$27,100	45.70%	
1994	4,079	99.20%	$34,300	26.60%	
1995	5,261	29%	$35,000	2%	
1996	5,393	2.50%	$35,500	1.40%	
1997	3,848	-28.60%	$39,700	11.80%	
1998	4,489	16.70%	$32,900	-17.10%	
1999	6,154	37.10%	$38,400	16.70%	
2000	6,353	3.20%	$42,700	11.20%	
2001	6,035	-5%	$33,600	-21.30%	
2002	4,859	-19.50%	$36,700	9.20%	
2003	1,815	-62.60%	$54,300	48%	
2004	2,409	32.70%	$56,400	3.90%	
2005	4,217	75.10%	$50,100	-11.20%	
2006	5,378	27.50%	$62,600	25%	
2007	4,573	-15%	$104,000	66.10%	
2008	2,707	-40.80%	$149,500	43.80%	
2009	1,561	-42.30%	$101,400	-32.20%	
2010	1,007	-35.50%	$94,700	-6.60%	
2011	2,419	140.20%	$62,500	-34%	
2012	8,018	231.50%	$80,200	28.30%	
2013	9,051	12.90%	$82,500	2.90%	
2014	6,580	-27.30%	$74,600	-9.60%	
2015	7,808	18.70%	$97,300	30.40%	
2016	6,253	-19.90%	$97,000	-0.30%	
2017	7,976	27.60%	$61,200	-36.90%	
2018	10,451	31%	$84,000	37.30%	

	SF	MF	TOT
1980	3,424	3,534	6,958
1981	2,917	6,373	9,290
1982	3,943	6,425	10,368
1983	6,176	16,587	22,763
1984	6,658	13,133	19,791
1985	4,237	8,874	13,111
1986	3,493	5,794	9,287
1987	1,941	633	2,574
1988	1,878	313	2,191
1989	1,726	20	1,746
1990	1,708	46	1,754
1991	2,570	224	2,794
1992	3,830	1,030	4,860
1993	4,897	2,096	6,993
1994	4,569	4,171	8,740
1995	4,400	5,378	9,778
1996	6,145	5,609	11,754
1997	5,127	4,224	9,351
1998	6,618	4,737	11,355
1999	6,742	6,314	13,056
2000	7,451	6,818	14,269
2001	4,393	6,299	10,692
2002	5,246	5,349	10,595
2003	6,118	2,447	8,565
2004	7,757	2,901	10,658
2005	9,425	4,809	14,234
2006	9,575	6,163	15,738
2007	6,602	5,419	12,021
2008	3,892	2,956	6,848
2009	3,661	1,588	5,249
2010	3,140	1,257	4,397
2011	3,292	2,469	5,761
2012	4,428	8,059	12,487
2013	4,495	9,421	13,916
2014	5,729	6,948	12,677
2015	5,652	8,172	13,824
2016	7,172	6,331	13,503
2017	8,655	8,074	16,729
2018	8,978	10,542	19,520

Single					4-Feb					5+					
2009 -					2009 -					2009 -					
Jan	317	-29	154,600	-13	Jan	0	-100	-	-	Jan	215	-58	59,200	-81	
Feb	236	-33	154,800	-18	Feb	2	-96	185,600	66	Feb	218	-38	97,400	-26	
Mar	285	-45	135,000	-10	Mar	17	-80	73,600	-35	Mar	261	-58	49,000	-39	
Apr	394	-24	160,400	4	Apr	4	-67	107,500	-14	Apr	121	505	69,700	-95	
May	236	30	145,500	-23	May	4	-33	106,200	100	May	193	-	337,000	-	
Jun	379	10	141,800	-27	Jun	0	-100	-	-	Jun	254	-27	33,000	-51	
Jul	522	18	128,300	-18	Jul	0	-100	-	-	Jul	10	-96	9,100	-96	
Aug	287	-20	172,300	0	Aug	0	-100	-	-	Aug	0	-100	-	-	
Sep	278	-39	150,000	-15	Sep	0	-100	-	-	Sep	46	-43	94,600	10	
Oct	256	87	179,800	-22	Oct	0	-	-	-	Oct	0	-100	-	-	
Nov	191	136	189,300	-18	Nov	0	-	-	-	Nov	243	-	103,600	-	
Dec	284	446	165,200	-28	Dec	0	-	-	-	Dec	0	-	-	-	
2010 -					2010 -					2010 -					
Jan	227	-28	180,300	17	Jan	0	-	-	-	Jan	0	-100	-	-	
Feb	281	19	146,600	-5	Feb	2	0	174,800	-6	Feb	0	-100	-	-	
Mar	378	33	135,800	1	Mar	126	641	85,600	16	Mar	95	-64	21,800	-56	
Apr	317	-20	149,200	-7	Apr	0	-100	-	-	Apr	163	35	216,500	211	
May	268	14	159,800	10	May	0	-100	-	-	May	0	-100	-	-	
Jun	280	-26	182,200	28	Jun	4	-	169,800	-	Jun	11	-96	222,500	574	
Jul	268	-49	177,700	39	Jul	0	-	-	-	Jul	0	-100	-	-	
Aug	267	-7	176,200	2	Aug	0	-	-	-	Aug	150	-	82,600	-	
Sep	258	-7	217,600	45	Sep	0	-	-	-	Sep	57	24	84,700	-10	
Oct	201	-21	190,600	6	Oct	0	-	-	-	Oct	0	-	-	-	
Nov	185	-3	214,100	13	Nov	0	-	-	-	Nov	218	-10	61,100	-41	
Dec	206	-27	157,200	-5	Dec	118	-	148,400	-	Dec	313	-	79,300	-	
2011 -					2011 -					2011 -					
Jan	220	-3.1	178,400	-1.1	Jan	0	-	-	-	Jan	0	-	-	-	
Feb	242	-13.9	175,100	19.4	Feb	4	100	137,500	-21.3	Feb	7	-	192,900	-	
Mar	391	3.4	176,200	29.7	Mar	16	-87.3	137,500	60.6	Mar	23	-75.8	84,100	285.8	
Apr	371	17	194,700	30.5	Apr	0	-	-	-	Apr	213	30.7	60,000	-72.3	
May	280	4.5	172,300	7.8	May	2	-	62,500	-	May	167	-	71,400	-	
Jun	309	10.4	160,400	-12	Jun	4	0	80,400	-52.7	Jun	911	8,181.80	71,100	-68	
Jul	261	-2.6	212,100	19.4	Jul	0	-	-	-	Jul	0	-	-	-	
Aug	260	-2.6	181,200	2.8	Aug	20	-	128,500	-	Aug	0	-100	-	-	
Sep	305	18.2	175,000	-19.6	Sep	0	-	-	-	Sep	0	-100	-	-	
Oct	201	0	192,700	1.1	Oct	0	-	-	-	Oct	169	-	59,700	-	
Nov	222	20	183,400	-14.3	Nov	0	-	-	-	Nov	617	183	48,200	-21.1	
Dec	239	16	181,700	15.6	Dec	4	-96.6	34,000	-77.1	Dec	312	-0.3	56,500	-28.8	
2012 -					2012 -					2012 -					
Jan	316	43.6	169,100	-5.2	Jan	0	-	-	-	Jan	690	-	154,000	-	
Feb	296	22.3	159,800	-8.7	Feb	15	275	144,000	4.7	Feb	811	11,485.7	89,300	-53.7	
Mar	336	-14.1	170,700	-3.1	Mar	0	-100	-	-	Mar	562	2,343.5	80,000	-4.9	
Apr	392	5.7	159,900	-17.9	Apr	8	-	69,500	-	Apr	1,289	505.2	72,600	21	
May	472	68.6	157,300	-8.7	May	0	-100	-	-	May	589	252.7	71,800	0.6	
Jun	438	41.7	164,700	2.7	Jun	0	-100	-	-	Jun	438	-51.9	72,900	2.5	
Jul	390	49.4	176,700	-16.7	Jul	4	-	60,900	-	Jul	225	-	117,600	-	
Aug	425	63.5	188,000	3.8	Aug	0	-100	-	-	Aug	504	-	57,900	-	
Sep	414	35.7	169,800	-3	Sep	6	-	120,000	-	Sep	366	-	34,700	-	
Oct	456	126.9	174,600	-9.4	Oct	0	-	-	-	Oct	1,070	533.1	55,300	-7.4	
Nov	273	23	172,800	-5.8	Nov	0	-	-	-	Nov	578	-6.3	30,500	-36.7	
Dec	215	-10	187,300	3.1	Dec	8	100	97,600	187.1	Dec	896	187.2	119,200	111	
2013 - Jan	380	20.3	158,800	-6.1	2013 - Jan	8	-	114,000	-	2013 - Jan	745	8	69,600	-54.8	
Feb	396	33.8	165,300	3.4	Feb	84	460	113,800	-21	Feb	2,152	165.4	102,100	14.3	
Mar	358	6.5	199,800	17	Mar	18	-	108,400	-	Mar	373	-33.6	67,900	-15.1	
Apr	357	-8.9	175,800	9.9	Apr	46	475	119,500	71.9	Apr	1,296	0.5	63,700	-12.3	
May	395	-16.3	205,200	30.5	May	35	-	123,900	-	May	508	-13.8	90,400	25.9	
Jun	414	-5.5	211,900	28.7	Jun	20	-	134,000	-	Jun	0	-100	-	-	
Jul	457	17.2	215,700	22.1	Jul	28	600	117,200	92.4	Jul	162	-28	68,100	-42.1	
Aug	451	6.1	212,100	12.8	Aug	38	-	133,400	-	Aug	587	16.5	75,400	30.2	
Sep	360	-13	186,900	10.1	Sep	75	1,150.00	134,300	11.9	Sep	430	17.5	85,000	145	
Oct	390	-14.5	207,800	19	Oct	2	-	28,800	-	Oct	402	-62.4	86,700	56.8	
Nov	260	-4.8	225,100	30.3	Nov	0	-	-	-	Nov	1,056	82.7	76,400	150.5	
Dec	266	23.7	226,100	20.7	Dec	16	100	185,700	90.3	Dec	1,340	49.6	84,900	-28.8	
2014 - Jan	330	-13.2	222,300	40	2014 - Jan	26	225	138,600	21.6	2014 - Jan	270	-63.8	59,400	-14.7	
Feb	431	8.8	231,800	40.2	Feb	44	-47.6	141,000	23.9	Feb	363	-83.1	106,000	3.8	
Mar	358	0	211,000	5.6	Mar	22	22.2	138,600	27.9	Mar	202	-45.8	79,900	17.7	
Apr	559	56.6	231,400	31.6	Apr	26	-43.5	118,500	-0.8	Apr	480	-63	62,800	-1.4	
May	649	64.3	224,500	9.4	May	20	-42.9	148,900	20.2	May	807	58.9	88,900	-1.7	
Jun	560	35.3	239,200	12.9	Jun	30	50	135,500	1.1	Jun	501	-	71,600	-	
Jul	508	11.2	230,900	7	Jul	30	7.1	79,500	-32.2	Jul	605	273.5	56,700	-16.7	
Aug	505	12	254,200	19.8	Aug	58	52.6	48,300	-63.8	Aug	1,086	85	62,000	-17.8	
Sep	533	48.1	214,600	14.8	Sep	40	-46.7	240,200	78.9	Sep	560	30.2	75,100	-11.6	
Oct	495	26.9	232,000	11.6	Oct	33	1,550.00	190,700	562.2	Oct	1,265	214.7	79,900	-7.8	
Nov	284	9.2	234,800	4.3	Nov	18	-	123,100	-	Nov	407	-61.5	86,400	13.1	
Dec	518	94.7	209,100	-7.5	Dec	21	31.2	88,600	-52.3	Dec	34	-97.5	75,700	-10.8	
2015 - Jan	414	25.50%	$225,700	1.50%	2015 - Jan	32	23.10%	$151,900	9.60%	2015 - Jan	258	-4.40%	$86,600	45.80%	2015 - Jan
Feb	437	1.40%	$212,000	-8.50%	Feb	22	-50%	$116,100	-17.70%	Feb	802	120.90%	$62,100	-41.40%	Feb
Mar	512	43%	$233,400	10.60%	Mar	18	-18.20%	$139,900	0.90%	Mar	643	218.30%	$55,100	-31%	Mar
Apr	479	-14.30%	$249,000	7.60%	Apr	30	15.40%	$241,000	103.40%	Apr	346	-27.90%	$547,700	772.10%	Apr
May	539	-16.90%	$239,400	6.60%	May	48	140%	$120,000	-19.40%	May	326	-59.60%	$57,600	-35.20%	May
Jun	561	0.20%	$214,000	-10.50%	Jun	32	6.70%	$141,000	4.10%	Jun	910	81.60%	$68,800	-3.90%	Jun
Jul	528	3.90%	$228,300	-1.10%	Jul	24	-20%	$133,000	67.30%	Jul	340	-43.80%	$95,900	69.10%	Jul
Aug	357	-29.30%	$233,300	-8.20%	Aug	24	-58.60%	$129,200	167.50%	Aug	964	-11.20%	$85,600	38.10%	Aug
Sep	386	-27.60%	$237,500	10.70%	Sep	24	-40%	$145,100	-39.60%	Sep	815	45.50%	$81,600	8.70%	Sep
Oct	591	19.40%	$233,900	0.80%	Oct	46	39.40%	$156,600	-17.90%	Oct	395	-68.80%	$96,800	21.20%	Oct
Nov	413	45.40%	$229,000	-2.50%	Nov	42	133.30%	$121,000	-1.70%	Nov	359	-11.80%	$58,400	-32.40%	Nov
Dec	447	-13.70%	$248,400	18.80%	Dec	22	4.80%	$146,500	65.30%	Dec	1,644	4735.30%	$84,800	12%	Dec
2016 - Jan	449	8.50%	$221,000	-2.10%	2016 - Jan	0	-100%	$0	-100%	2016 - Jan	1,034	300.80%	$91,200	5.30%	2016 - Jan
Feb	469	7.30%	$219,200	3.40%	Feb	6	-72.70%	$150,000	29.20%	Feb	342	-57.40%	$76,900	23.80%	Feb
Mar	729	42.40%	$243,100	4.20%	Mar	50	177.80%	$66,200	-52.70%	Mar	417	-35.10%	$99,600	80.80%	Mar
Apr	614	28.20%	$198,400	-20.30%	Apr	0	-100%	$0	-100%	Apr	256	-26%	$49,400	-91%	Apr
May	656	21.70%	$216,000	-9.80%	May	0	-100%	$0	-100%	May	297	-8.90%	$60,700	5.40%	May
Jun	685	22.10%	$218,300	2%	Jun	2	-93.80%	$71,000	-49.60%	Jun	965	6%	$80,000	16.30%	Jun
Jul	633	19.90%	$209,700	-8.10%	Jul	0	-100%	$0	-100%	Jul	306	-10%	$113,700	18.60%	Jul
Aug	639	79%	$217,100	-6.90%	Aug	0	-100%	$0	-100%	Aug	486	-49.60%	$81,400	-4.90%	Aug
Sep	705	82.60%	$215,500	-9.30%	Sep	16	-33.30%	$304,200	109.60%	Sep	1,326	62.70%	$77,500	-5%	Sep
Oct	576	-2.50%	$221,600	-5.30%	Oct	4	-91.30%	$500,000	219.30%	Oct	18	-95.40%	$74,000	-23.60%	Oct
Nov	431	4.40%	$233,000	1.70%	Nov	0	-100%	$0	-100%	Nov	530	47.60%	$156,500	168%	Nov
Dec	579	29.50%	$231,000	-7%	Dec	0	-100%	$0	-100%	Dec	281	-82.90%	$268,700	216.90%	Dec
2017 - Jan	675	50.30%	$198,700	-10.10%	2017 - Jan	0	0%	$0	0%	2017 - Jan	494	-52.20%	$59,700	-34.50%	2017 - Jan
Feb	543	15.80%	$218,900	-0.10%	Feb	28	366.70%	$88,200	-41.20%	Feb	629	83.90%	$63,800	-17%	Feb
Mar	1,121	53.80%	$204,500	-15.90%	Mar	9	-82%	$371,400	461%	Mar	773	85.40%	$47,000	-52.80%	Mar
Apr	727	18.40%	$223,400	12.60%	Apr	0	0%	$0	0%	Apr	781	205.10%	$66,600	34.80%	Apr
May	673	2.60%	$214,900	-0.50%	May	8	0%	$142,900	0%	May	1,129	280.10%	$47,600	-21.60%	May
Jun	959	40%	$230,400	5.50%	Jun	0	-100%	$0	-100%	Jun	1,342	39.10%	$76,300	-4.60%	Jun
Jul	679	7.30%	$233,700	11.40%	Jul	2	0%	$71,000	0%	Jul	312	2%	$13,900	-87.80%	Jul
Aug	632	-1.10%	$234,000	7.80%	Aug	0	0%	$0	0%	Aug	536	10.30%	$75,200	-7.60%	Aug
Sep	687	-2.60%	$242,600	12.60%	Sep	4	-75%	$72,900	-76%	Sep	295	-77.80%	$67,500	-12.90%	Sep
Oct	637	10.60%	$280,900	26.80%	Oct	11	175%	$100,200	-80%	Oct	1,007	5494.40%	$49,000	-33.80%	Oct
Nov	627	45.50%	$214,100	-8.10%	Nov	38	0%	$137,600	0%	Nov	415	-21.70%	$101,200	-35.30%	Nov
Dec	650	12.30%	$205,800	-10.90%	Dec	2	0%	$57,500	0%	Dec	263	-6.40%	$69,200	-74.20%	Dec
2018 - Jan	718	6.40%	$230,600	16.10%	2018 - Jan	5	0%	$194,100	0%	2018 - Jan	994	101.20%	$104,300	74.70%	2018 - Jan
Feb	724	33.30%	$224,500	2.60%	Feb	4	-85.70%	$108,600	23.10%	Feb	512	-18.60%	$111,600	74.90%	Feb
Mar	780	-30.40%	$229,300	12.10%	Mar	2	-77.80%	$130,000	-65%	Mar	1,156	49.50%	$91,200	94%	Mar
Apr	908	24.90%	$237,800	6.40%	Apr	0	0%	$0	0%	Apr	1,382	77%	$79,300	19.10%	Apr
May	740	10%	$233,100	8.50%	May	0	-100%	$0	-100%	May	2,370	109.90%	$75,400	58.40%	May
Jun	844	-12%	$290,400	26%	Jun	12	0%	$511,800	0%	Jun	934	-30.40%	$57,900	-24.10%	Jun
Jul	1,051	54.80%	$208,000	-11%	Jul	4	100%	$50,000	-29.60%	Jul	413	32.40%	$54,300	290.60%	Jul
Aug	646	2.20%	$244,900	4.70%	Aug	4	0%	$177,500	0%	Aug	264	-50.70%	$66,900	-11%	Aug
Sep	583	-15.10%	$231,400	-4.60%	Sep	4	0%	$100,000	37.20%	Sep	637	115.90%	$79,400	17.60%	Sep
Oct	606	-4.90%	$269,700	-4%	Oct	12	9.10%	$239,500	139%	Oct	319	-68.30%	$132,000	169.40%	Oct
Nov	718	14.50%	$250,500	17%	Nov	24	-36.80%	$81,800	-40.60%	Nov	526	26.70%	$104,100	2.90%	Nov
Dec	671	3.20%	$251,900	22.40%	Dec	0	-100%	$0	-100%	Dec	954	262.70%	$86,800	25.40%	Dec
2019 - Jan	590	-17.80%	#######	12.40%	2019 - Jan	6	20%	#######	-26.70%	2019 - Jan	37	-96.30%	#######	9.10%	2019 - Jan

Feb	681	-5.90%	#######	2.90%	Feb	2	-50%	$86,600	-20.30%	Feb	747	45.90%	$71,200	-36.20%	Feb
Mar	911	16.80%	#######	13.80%	Mar	16	700%	$61,400	-52.80%	Mar	1,462	26.50%	$75,300	-17.40%	Mar
Apr	1,053	16%	#######	-11.50%	Apr	6	0%	#######	0%	Apr	1,319	-4.60%	$63,800	-19.50%	Apr
May	946	27.80%	#######	12.90%	May	0	0%	$0	0%	May	1,685	-28.90%	$61,800	-18%	May
Jun	740	-12.30%	#######	-19.20%	Jun	26	116.70%	$93,600	-81.70%	Jun	232	-75.20%	#######	123.30%	Jun
Jul	691	-34.30%	#######	9.20%	Jul	43	975%	#######	181.20%	Jul	853	106.50%	#######	207.90%	Jul
Aug	1,026	58.80%	#######	-0.10%	Aug	30	650%	#######	-20.20%	Aug	2,281	764%	$61,100	-8.70%	Aug
Sep	706	21.10%	#######	0.60%	Sep	24	500%	#######	49.70%	Sep	540	-15.20%	#######	322.70%	Sep
Oct	753	24.30%	#######	-7.90%	Oct	44	266.70%	#######	-43.30%	Oct	1,286	303.10%	#######	44.60%	Oct
Nov	693	-3.50%	#######	0.30%	Nov	24	0%	$93,000	13.70%	Nov	235	-55.30%	#######	37%	Nov
Dec	730	8.80%	#######	-3.50%	Dec	20	0%	$92,900	0%	Dec	975	2.20%	$85,500	-1.50%	Dec
2020 - Jan	701	18.80%	######	-2.50%	2020 - Jan	10	66.70%	######	######	2020 - Jan	2,347	######	######	-35%	2020 - Jan
Feb	811	19.10%	######	-0.10%	Feb	24	1100%	######	8.40%	Feb	1,698	######	######	29.80%	Feb
Mar	973	6.80%	######	######	Mar	10	######	######	52.80%	Mar	517	######	######	22.70%	Mar
Apr	776	######	######	11.80%	Apr	26	######	######	######	Apr	1,645	24.70%	######	48.70%	Apr
May	607	######	######	-4.90%	May	36	0%	######	0%	May	1,316	######	######	49.50%	May
Jun	645	######	######	3.80%	Jun	10	######	######	12.30%	Jun	691	######	######	######	Jun
Jul	1,122	62.40%	######	-2.60%	Jul	30	######	######	######	Jul	1,868	119%	######	######	Jul
Aug	860	######	######	-8.70%	Aug	29	-3.30%	######	######	Aug	1,299	######	######	51.20%	Aug
Sep	968	37.10%	######	-5.70%	Sep	19	######	######	######	Sep	2,093	######	######	######	Sep
Oct	931	23.60%	######	######	Oct	41	-6.80%	######	######	Oct	528	######	######	######	Oct
Nov	1,017	46.80%	######	######	Nov	12	-50%	######	1%	Nov	490	######	######	######	Nov
Dec	971	33%	######	-23%	Dec	24	20%	######	55.80%	Dec	1,514	55.30%	######	######	Dec
2021 - Jan	673	-4%	######	-5.70%	2021 - Jan	14	40%	######	######	2021 - Jan	2,306	-1.70%	######	######	2021 - Jan
Feb	777	-4.20%	######	-1.60%	Feb	23	-4.20%	######	82%	Feb	2,273	33.90%	######	15.70%	Feb
Mar	871	######	######	######	Mar	55	450%	######	######	Mar	1,566	######	######	######	Mar
Apr	1,122	44.60%	######	3.70%	Apr	41	57.70%	######	8.50%	Apr	772	######	######	######	Apr
May	1,058	74.30%	######	######	May	30	######	######	28.20%	May	1,501	14.10%	######	######	May
Jun	932	44.50%	######	######	Jun	36	260%	######	46.80%	Jun	1,350	95.40%	######	43%	Jun
Jul	676	######	######	13.70%	Jul	20	######	######	######	Jul	1,408	######	######	######	Jul
Aug	659	######	######	3.20%	Aug	41	41.40%	######	######	Aug	3,315	######	######	######	Aug
Sep	542	-44%	######	23.80%	Sep	52	######	######	-7.50%	Sep	584	######	######	7.80%	Sep
Oct	576	######	######	8.30%	Oct	22	######	######	######	Oct	936	77.30%	######	239%	Oct
Nov	475	######	######	39%	Nov	53	######	######	31.60%	Nov	1,601	######	######	-29%	Nov
Dec	887	-8.70%	######	69.50%	Dec	43	79.20%	######	-22%	Dec	1,809	19.50%	######	######	Dec
2022 - Jan	732	8.80%	######	24.80%	2022 - Jan	29	######	######	######	2022 - Jan	919	######	######	######	2022 - Jan
Feb	656	######	######	26.70%	Feb	41	78.30%	######	######	Feb	885	######	######	######	Feb
Mar	881	1.10%	######	27.40%	Mar	52	-5.50%	######	40.50%	Mar	2,478	58.20%	######	######	Mar





All data is included in the graphic.

Single Family		Multi-Family	
Year	Average	Year	Average
Pre 2012	1,141	Pre 2012	654
2012	1,145	2012	538
2013	1,168	2013	512
2014	1,188	2014	558
2015	1,069	2015	531
2016	1,015	2016	492
2017	941	2017	514
2018	851	2018	454
2019	752	2019	364
2020	659	2020	336
Overall	1123	Overall	613

	FY2019
Energy Code	206,331
Green Building	62,105
MFR	32,692
Appliances	40,506
Commercial	202,607
Small Business	56,371
Other	39,519
Total	640,131

	Austin Energy's Cost of Service Assessed Cost	Customer's Bill + Unassessed Charges
Fixed (Customer, $/month)		
- Metering & Billing		
- Service Line	$25	$10
Capacity (demand, $/KW)		
- Generation		
- Transmission		
- Distribution	$51	
Variable (energy, $/kWh)		
- Power Supply		
- Pass-throughs	$24	$75
Unassessed		
- Intra-class subsidy		$15
Total	$100.00	$100.00

Energy use	860

Bill Calculation	Units		Current Rates	Bill	Boundaries
Tier 1		500	$0.02801	$14.01	500
Tier 2		360	$0.05832	$21.00	1000
Tier 3			$0.07814	$0.00	1500
Tier 4			$0.09314	$0.00	2500
Tier 5			$0.10814	$0.00	99999999
PSA		860	$0.02877	$24.74	
CAP		860	$0.00209	$1.80	
SAL		860	$0.00124	$1.07	
EES		860	$0.00238	$2.05	
REG		860	$0.01206	$10.37	
			Energy Charges	$75.02	
			Customer Charge	$10.00	
			Total Bill	$85.02	

Customer / Month		$24.66		$24.66
Capacity		$21.24	0.03477	$51.14
Variable			0.02978	$25.61
Total	860 kWH		98.50%	$99.89
Unitized cost per Sch G-8		$25.61	0.02978	$25.61

	0.00000	
Total per Sch G-8 (Avg Cust with Avg Demand):		$101.41
Intraclass subsidy		$14.87

	Inside COA	Outside COA
2012	100.00	100.00
2013	93.20	93.37
2014	94.20	94.73
2015	91.73	92.21
2016	88.53	88.69
2017	88.47	88.57
2018	90.99	91.11
2019	87.25	87.39
2020	89.28	89.39
2021	84.75	85.07

X-Values	Y-Values
100	4
110	11
120	12
130	6
140	10
150	17
160	7
170	13
180	15
190	8
200	17
210	19
220	14
230	16
240	16
250	21
260	19
270	20
280	14
290	12
300	22
310	21
320	26
330	34
340	26
350	33
360	30
370	31
380	37
390	44
400	44
410	39
420	51
430	44
440	52
450	65
460	60
470	52
480	76
490	98
500	169
510	87
520	48
530	48
540	37
550	38
560	86
570	101
580	91
590	109
600	89
610	93
620	123
630	112
640	121
650	110
660	130
670	116
680	141
690	112

Break	Rates-x	Rates-y
100	1	0.0280
500	41	0.0583
1000	91	0.0781
1500	141	0.0931
2500	241	0.1081
4000		

Ebar-X	Ebar-y	Ebar-Label
400	0	2.8 ¢
500	0.0583	5.83 ¢
500	0.0781	7.81 ¢
1000	0.0931	9.31 ¢
1500	0.1081	10.81 ¢

700	124
710	157
720	143
730	157
740	137
750	147
760	145
770	159
780	180
790	171
800	165
810	184
820	152
830	156
840	170
850	199
860	181
870	188
880	182
890	202
900	178
910	176
920	190
930	167
940	175
950	210
960	172
970	206
980	226
990	234
1000	406
1010	209
1020	59
1030	62
1040	198
1050	182
1060	199
1070	205
1080	196
1090	205
1100	206
1110	233
1120	192
1130	197
1140	202
1150	178
1160	182
1170	223
1180	188
1190	201
1200	202
1210	198
1220	191
1230	186
1240	223
1250	204
1260	177
1270	175
1280	174
1290	210
1300	210

1310	179
1320	185
1330	181
1340	172
1350	218
1360	178
1370	186
1380	217
1390	170
1400	152
1410	187
1420	170
1430	171
1440	176
1450	167
1460	174
1470	181
1480	170
1490	207
1500	343
1510	189
1520	21
1530	22
1540	147
1550	161
1560	153
1570	157
1580	151
1590	150
1600	137
1610	125
1620	139
1630	128
1640	150
1650	126
1660	149
1670	125
1680	124
1690	133
1700	140
1710	133
1720	121
1730	103
1740	98
1750	118
1760	137
1770	108
1780	127
1790	96
1800	116
1810	124
1820	100
1830	96
1840	96
1850	118
1860	101
1870	103
1880	96
1890	104
1900	93
1910	99

1920	101
1930	110
1940	89
1950	81
1960	75
1970	82
1980	79
1990	98
2000	83
2010	76
2020	85
2030	88
2040	91
2050	57
2060	70
2070	76
2080	75
2090	75
2100	67
2110	59
2120	51
2130	52
2140	59
2150	73
2160	76
2170	55
2180	75
2190	57
2200	57
2210	55
2220	57
2230	57
2240	75
2250	68
2260	56
2270	45
2280	59
2290	50
2300	56
2310	60
2320	56
2330	48
2340	46
2350	33
2360	42
2370	52
2380	39
2390	54
2400	48
2410	45
2420	57
2430	38
2440	46
2450	32
2460	48
2470	39
2480	47
2490	59
2500	102
2510	46
2520	12

2530	10
2540	15
2550	33
2560	25
2570	26
2580	35
2590	39
2600	39
2610	40
2620	26
2630	26
2640	43
2650	32
2660	33
2670	25
2680	30
2690	22
2700	12
2710	25
2720	27
2730	30
2740	39
2750	30
2760	30
2770	29
2780	15
2790	24
2800	35
2810	29
2820	28
2830	18
2840	24
2850	23
2860	21
2870	27
2880	21
2890	23
2900	18
2910	13
2920	13
2930	28
2940	23
2950	19
2960	23
2970	20
2980	18
2990	15
3000	14
3010	10
3020	13
3030	16
3040	24
3050	19
3060	15
3070	11
3080	18
3090	7
3100	20
3110	10
3120	7
3130	11

3140	14
3150	15
3160	15
3170	12
3180	5
3190	14
3200	6
3210	13
3220	4
3230	14
3240	13
3250	4
3260	11
3270	7
3280	8
3290	13
3300	10
3310	13
3320	10
3330	11
3340	6
3350	12
3360	5
3370	6
3380	9
3390	10
3400	9
3410	7
3420	12
3430	11
3440	8
3450	12
3460	10
3470	8
3480	8
3490	8
3500	8
3510	12
3520	6
3530	4
3540	8
3550	4
3560	7
3570	8
3580	8
3590	8
3600	8
3610	7
3620	7
3630	6
3640	7
3650	9
3660	5
3670	7
3680	5
3690	9
3700	8
3710	7
3720	4
3730	12
3740	10

3750	7
3760	7
3770	2
3780	5
3790	5
3800	5
3810	2
3820	6
3830	3
3840	3
3850	3
3860	3
3870	4
3880	7
3890	3
3900	0
3910	4
3920	3
3930	6
3940	0
3950	6
3960	4
3970	5
3980	6
3990	6
4000	1

KWH_BLO	Base	Bunched	Actual	Label
0				
49				
99	0.36%	0.36%	0.36%	
149	0.36%	0.36%	0.42%	
199	0.40%	0.40%	0.46%	
249	0.43%	0.43%	0.52%	
299	0.49%	0.49%	0.63%	
349	0.56%	0.56%	0.75%	
399	0.65%	0.65%	0.91%	
449	0.78%	0.78%	1.07%	
499	0.92%	1.16%	1.28%	499
549	1.08%	1.19%	1.51%	
599	1.27%	1.07%	1.75%	
649	1.48%	1.38%	2.01%	
699	1.69%	1.65%	2.25%	
749	1.91%	1.91%	2.46%	
799	2.14%	2.14%	2.68%	
849	2.34%	2.34%	2.86%	
899	2.52%	2.52%	3.02%	
949	2.70%	2.70%	3.16%	
999	2.85%	3.01%	3.26%	999
1049	2.98%	3.06%	3.33%	
1099	3.09%	2.94%	3.40%	
1149	3.18%	3.10%	3.37%	
1199	3.23%	3.23%	3.33%	
1249	3.24%	3.24%	3.28%	
1299	3.23%	3.23%	3.21%	
1349	3.19%	3.19%	3.13%	
1399	3.11%	3.11%	3.03%	
1449	3.04%	3.04%	2.90%	
1499	2.95%	3.09%	2.77%	1499
1549	2.85%	2.91%	2.61%	
1599	2.69%	2.55%	2.47%	
1649	2.56%	2.50%	2.34%	
1699	2.46%	2.46%	2.19%	
1749	2.33%	2.33%	2.04%	
1799	2.20%	2.20%	1.90%	
1849	2.08%	2.08%	1.76%	
1899	1.96%	1.96%	1.63%	
1949	1.81%	1.81%	1.51%	
1999	1.68%	1.68%	1.41%	
2049	1.55%	1.55%	1.29%	
2099	1.42%	1.42%	1.20%	
2149	1.33%	1.33%	1.09%	
2199	1.24%	1.24%	1.01%	
2249	1.14%	1.14%	0.94%	
2299	1.06%	1.06%	0.85%	
2349	0.98%	0.98%	0.78%	
2399	0.92%	0.92%	0.72%	
2449	0.84%	0.88%	0.65%	
2499	0.78%	0.79%	0.61%	2499
2549	0.71%	0.68%	0.56%	
2599	0.64%	0.63%	0.52%	
2649	0.59%	0.59%	0.48%	
2699	0.55%	0.55%	0.44%	
2749	0.51%	0.51%	0.40%	
2799	0.46%	0.46%	0.38%	
2849	0.43%	0.43%	0.34%	
2899	0.40%	0.40%	0.31%	
2949	0.36%	0.36%	0.29%	
2999	0.33%	0.33%	0.26%	
3049	0.31%	0.31%	0.25%	
3099	0.29%	0.29%	0.23%	
3149	0.26%	0.26%	0.21%	
3199	0.24%	0.24%	0.20%	
3249	0.23%	0.23%	0.18%	
3299	0.21%	0.21%	0.17%	
3349	0.19%	0.19%	0.16%	
3399	0.18%	0.18%	0.15%	
3449	0.16%	0.16%	0.13%	
3499	0.15%	0.15%	0.12%	3499

X-Values	Y-Values	x2	Len	Drop	Label
1	3.3	11	10	0	
11	8	21	10	4.7	500
21	9.1	31	10	1.1	1000
31	11	51	20	1.9	1500
51	11.4	71	20	0.4	2500

Left Most Figure in Figure 7-15

X-Values	Y-Values
100	242
110	473
120	472
130	454
140	525
150	448
160	475
170	437
180	499
190	509
200	514
210	487
220	546
230	519
240	587
250	598
260	598
270	634
280	640
290	673
300	715
310	744
320	809
330	889
340	825
350	895
360	931
370	1029
380	995
390	1085
400	1191
410	1149
420	1226
430	1283
440	1363
450	1408
460	1533
470	1529
480	1545
490	1682
500	1674
510	1840
520	1822
530	1893
540	2028
550	2041
560	2193
570	2235
580	2309

Break	Rates-x	Rates-y
100	1	0.02801
500	41	0.05832
1000	91	0.07814
1500	141	0.09314
2500	241	0.10814
4000		

Ebar-X	Ebar-y	Ebar-Label
400	0	2.8 ¢
500	0.05832	5.83 ¢
500	0.07814	7.81 ¢
1000	0.09314	9.31 ¢
1500	0.10814	10.81 ¢

590	2374
600	2342
610	2530
620	2610
630	2633
640	2773
650	2800
660	2809
670	2936
680	3024
690	3122
700	3140
710	3296
720	3261
730	3319
740	3397
750	3471
760	3540
770	3553
780	3648
790	3693
800	3772
810	3918
820	3806
830	3897
840	3824
850	4012
860	3968
870	4005
880	4120
890	4259
900	4102
910	4097
920	4272
930	4158
940	4208
950	4307
960	4312
970	4282
980	4394
990	4370
1000	4320
1010	4359
1020	4398
1030	4347
1040	4324
1050	4505
1060	4437
1070	4488
1080	4489
1090	4545

1100	4524
1110	4566
1120	4511
1130	4347
1140	4521
1150	4420
1160	4408
1170	4409
1180	4338
1190	4482
1200	4286
1210	4352
1220	4301
1230	4341
1240	4323
1250	4259
1260	4164
1270	4120
1280	4100
1290	4116
1300	4131
1310	4120
1320	4058
1330	4047
1340	3937
1350	4038
1360	3808
1370	3866
1380	3901
1390	3729
1400	3775
1410	3692
1420	3684
1430	3694
1440	3642
1450	3680
1460	3538
1470	3472
1480	3544
1490	3506
1500	3379
1510	3354
1520	3333
1530	3163
1540	3201
1550	3139
1560	3118
1570	3098
1580	2964
1590	3001
1600	2904

1610	2888
1620	2955
1630	2786
1640	2950
1650	2729
1660	2753
1670	2625
1680	2727
1690	2662
1700	2613
1710	2568
1720	2464
1730	2493
1740	2391
1750	2497
1760	2402
1770	2348
1780	2293
1790	2386
1800	2276
1810	2243
1820	2170
1830	2160
1840	2128
1850	2029
1860	2063
1870	1973
1880	1993
1890	1977
1900	1958
1910	1966
1920	1850
1930	1854
1940	1835
1950	1771
1960	1764
1970	1654
1980	1729
1990	1631
2000	1598
2010	1569
2020	1621
2030	1579
2040	1587
2050	1531
2060	1478
2070	1394
2080	1536
2090	1420
2100	1378
2110	1384

2120	1340
2130	1343
2140	1314
2150	1296
2160	1273
2170	1224
2180	1215
2190	1231
2200	1207
2210	1158
2220	1174
2230	1091
2240	1151
2250	1094
2260	1111
2270	1111
2280	1001
2290	1048
2300	984
2310	1011
2320	1035
2330	984
2340	928
2350	853
2360	844
2370	874
2380	796
2390	879
2400	853
2410	814
2420	872
2430	848
2440	811
2450	757
2460	786
2470	755
2480	771
2490	730
2500	736
2510	722
2520	711
2530	711
2540	645
2550	640
2560	653
2570	630
2580	650
2590	632
2600	654
2610	555
2620	604

2630	589
2640	552
2650	607
2660	605
2670	537
2680	527
2690	534
2700	545
2710	475
2720	502
2730	474
2740	511
2750	485
2760	450
2770	465
2780	469
2790	445
2800	440
2810	409
2820	436
2830	414
2840	459
2850	406
2860	407
2870	424
2880	362
2890	393
2900	382
2910	353
2920	375
2930	357
2940	347
2950	358
2960	373
2970	327
2980	310
2990	343
3000	329
3010	306
3020	281
3030	307
3040	304
3050	280
3060	303
3070	314
3080	282
3090	294
3100	280
3110	265
3120	292
3130	275

3140	249
3150	303
3160	251
3170	239
3180	250
3190	238
3200	227
3210	238
3220	202
3230	225
3240	225
3250	230
3260	201
3270	216
3280	199
3290	175
3300	218
3310	193
3320	182
3330	191
3340	163
3350	201
3360	191
3370	159
3380	157
3390	167
3400	168
3410	184
3420	175
3430	188
3440	182
3450	157
3460	160
3470	188
3480	146
3490	147
3500	146
3510	143
3520	153
3530	143
3540	145
3550	149
3560	122
3570	139
3580	135
3590	151
3600	131
3610	136
3620	114
3630	125
3640	129

3650	130
3660	121
3670	130
3680	113
3690	126
3700	101
3710	113
3720	107
3730	116
3740	124
3750	118
3760	125
3770	96
3780	105
3790	103
3800	110
3810	92
3820	89
3830	110
3840	97
3850	95
3860	106
3870	91
3880	103
3890	91
3900	71
3910	82
3920	75
3930	66
3940	89
3950	68
3960	103
3970	95
3980	75
3990	79
4000	49

Top Left Square in Figure 7-15

BIN	Count	Tier-x	Tier-y
450	1408	6	2100
460	1533		
470	1529		
480	1545		
490	1682		
500	1674		
510	1840		
520	1822		
530	1893		
540	2028		
550	2041		

N1-x	N1-y	e	e-sd	N1-label
8	65	-0.0296	0.029804	e : -0.03 (0.03)
		-0.03	0.03	

Top Right Square in Figure 7-15

BIN	Count
950	4307
960	4312
970	4282
980	4394
990	4370
1000	4320
1010	4359
1020	4398
1030	4347
1040	4324
1050	4505

Tier-x	Tier-y
6	4600

N1-x	N1-y	e	e-sd	N1-label
8	180	-0.00601	0.006584	e : -0.01 (0.01)
		-0.01	0.01	

Bottom Left Square in Figure 7-15

BIN	Count	Tier-x	Tier-y			
1450	3680	6	3700			
1460	3538					
1470	3472	N1-x	N1-y	e	e-sd	N1-label
1480	3544	8	125	-0.0082	0.003884	e : -0.01 (0.00)
1490	3506					
1500	3379			-0.01	0	
1510	3354					
1520	3333					
1530	3163					
1540	3201					
1550	3139					

Bottom Right Square in Figure 7-15

BIN	Count	Tier-x	Tier-y			
2450	757	6	800			
2460	786					
2470	755	N1-x	N1-y	e	e-sd	N1-label
2480	771	8	35	0.000434	0.003299	e : 0.00 (0.00)
2490	730					
2500	736			0	0	
2510	722					
2520	711					
2530	711					
2540	645					
2550	640					

Left Most Figure in Figure 7-16

X-Values	Y-Values
100	4
110	11
120	12
130	6
140	10
150	17
160	7
170	13
180	15
190	8
200	17
210	19
220	14
230	16
240	16
250	21
260	19
270	20
280	14
290	12
300	22
310	21
320	26
330	34
340	26
350	33
360	30
370	31
380	37
390	44
400	44
410	39
420	51
430	44
440	52
450	65
460	60
470	52
480	69
490	77
500	64
510	80
520	73
530	73
540	82
550	83
560	86
570	101

Break	Rates-x	Rates-y
100	1	0.02801
500	41	0.05832
1000	91	0.07814
1500	141	0.09314
2500	241	0.10814
4000		

Ebar-X	Ebar-y	Ebar-Label
400	0	2.8 ¢
500	0.05832	5.83 ¢
500	0.07814	7.81 ¢
1000	0.09314	9.31 ¢
1500	0.10814	10.81 ¢

580	91
590	109
600	89
610	93
620	123
630	112
640	121
650	110
660	130
670	116
680	141
690	112
700	124
710	157
720	143
730	157
740	137
750	147
760	145
770	159
780	180
790	171
800	165
810	184
820	152
830	156
840	170
850	199
860	181
870	188
880	182
890	202
900	178
910	176
920	190
930	167
940	175
950	210
960	172
970	206
980	211
990	190
1000	188
1010	194
1020	199
1030	212
1040	198
1050	182
1060	199
1070	205

1080	196
1090	205
1100	206
1110	233
1120	192
1130	197
1140	202
1150	178
1160	182
1170	223
1180	188
1190	201
1200	202
1210	198
1220	191
1230	186
1240	223
1250	204
1260	177
1270	175
1280	174
1290	210
1300	210
1310	179
1320	185
1330	181
1340	172
1350	218
1360	178
1370	186
1380	217
1390	170
1400	152
1410	187
1420	170
1430	171
1440	176
1450	167
1460	174
1470	181
1480	156
1490	166
1500	140
1510	175
1520	156
1530	157
1540	147
1550	161
1560	153
1570	157

1580	151
1590	150
1600	137
1610	125
1620	139
1630	128
1640	150
1650	126
1660	149
1670	125
1680	124
1690	133
1700	140
1710	133
1720	121
1730	103
1740	98
1750	118
1760	137
1770	108
1780	127
1790	96
1800	116
1810	124
1820	100
1830	96
1840	96
1850	118
1860	101
1870	103
1880	96
1890	104
1900	93
1910	99
1920	101
1930	110
1940	89
1950	81
1960	75
1970	82
1980	79
1990	98
2000	83
2010	76
2020	85
2030	88
2040	91
2050	57
2060	70
2070	76

2080	75
2090	75
2100	67
2110	59
2120	51
2130	52
2140	59
2150	73
2160	76
2170	55
2180	75
2190	57
2200	57
2210	55
2220	57
2230	57
2240	75
2250	68
2260	56
2270	45
2280	59
2290	50
2300	56
2310	60
2320	56
2330	48
2340	46
2350	33
2360	42
2370	52
2380	39
2390	54
2400	48
2410	45
2420	57
2430	38
2440	46
2450	32
2460	48
2470	39
2480	43
2490	48
2500	46
2510	42
2520	47
2530	35
2540	30
2550	33
2560	25
2570	26

2580	35
2590	39
2600	39
2610	40
2620	26
2630	26
2640	43
2650	32
2660	33
2670	25
2680	30
2690	22
2700	12
2710	25
2720	27
2730	30
2740	39
2750	30
2760	30
2770	29
2780	15
2790	24
2800	35
2810	29
2820	28
2830	18
2840	24
2850	23
2860	21
2870	27
2880	21
2890	23
2900	18
2910	13
2920	13
2930	28
2940	23
2950	19
2960	23
2970	20
2980	18
2990	15
3000	14
3010	10
3020	13
3030	16
3040	24
3050	19
3060	15
3070	11

3080	18
3090	7
3100	20
3110	10
3120	7
3130	11
3140	14
3150	15
3160	15
3170	12
3180	5
3190	14
3200	6
3210	13
3220	4
3230	14
3240	13
3250	4
3260	11
3270	7
3280	8
3290	13
3300	10
3310	13
3320	10
3330	11
3340	6
3350	12
3360	5
3370	6
3380	9
3390	10
3400	9
3410	7
3420	12
3430	11
3440	8
3450	12
3460	10
3470	8
3480	8
3490	8
3500	8
3510	12
3520	6
3530	4
3540	8
3550	4
3560	7
3570	8

3580	8
3590	8
3600	8
3610	7
3620	7
3630	6
3640	7
3650	9
3660	5
3670	7
3680	5
3690	9
3700	8
3710	7
3720	4
3730	12
3740	10
3750	7
3760	7
3770	2
3780	5
3790	5
3800	5
3810	2
3820	6
3830	3
3840	3
3850	3
3860	3
3870	4
3880	7
3890	3
3900	0
3910	4
3920	3
3930	6
3940	0
3950	6
3960	4
3970	5
3980	6
3990	6
4000	1

Top Left Square in Figure 7-16

BIN	Count	Tier-x	Tier-y			
450	65	6	90			
460	60					
470	52	N1-x	N1-y	e	e-sd	N1-label
480	69	8	65	-0.0296	0.029804	e : -0.03 (0.03)
490	77					
500	64			-0.03	0.03	
510	80					
520	73					
530	73					
540	82					
550	83					

Top Right Square in Figure 7-16

BIN	Count
950	210
960	172
970	206
980	211
990	190
1000	188
1010	194
1020	199
1030	212
1040	198
1050	182

Tier-x	Tier-y
6	250

N1-x	N1-y	e	e-sd	N1-label
8	180	-0.00601	0.006584	e : -0.01 (0.01)
		-0.01	0.01	

Bottom Left Square in Figure 7-16

BIN	Count	Tier-x	Tier-y			
1450	167	6	190			
1460	174					
1470	181	N1-x	N1-y	e	e-sd	N1-label
1480	156	8	125	-0.0082	0.003884	e : -0.01 (0.00)
1490	166					
1500	140			-0.01	0	
1510	175					
1520	156					
1530	157					
1540	147					
1550	161					

Bottom Right Square in Figure 7-16

BIN	Count	Tier-x	Tier-y			
2450	32	6	50			
2460	48					
2470	39	N1-x	N1-y	e	e-sd	N1-label
2480	43	8	35	0.000434	0.003299	e : 0.00 (0.00)
2490	48					
2500	46			0.00	0.00	
2510	42					
2520	47					
2530	35					
2540	30					
2550	33					

Images of Austin Skyline

USA	3%
Boise City, ID	13.10%
Provo-Orem, UT	14%
Cape Coral-Fort Myers, FL	13.80%
Lakeland-Winter Have, FL	14%
Austin-Round Rock-Georgetown, TX	14.70%

Residential Customers		Non-Residential Customers	
FY14	390000	FY14	48000
FY15	401000	FY15	48750
FY16	410000	FY16	50000
FY17	423000	FY17	51000
FY18	429000	FY18	51800
FY19	445000	FY19	52500
FY20	454000	FY20	53000

All data is present in the graphic.

FY	Customer Count	Customer Count	kWh		Average	Year End	
FY	FY Avg	Year End	FY Avg (with unbilled)		Customer Count	Customer Count	kwh
2014	439,403	446,872	12,572,414,292				
2015	450,443	457,750	12,674,270,038		2.5%	2.4%	0.8%
2016	461,343	469,534	12,873,923,083		5.0%	5.1%	2.4%
2017	472,701	480,923	12,982,678,931		7.6%	7.6%	3.3%
2018	485,204	492,453	13,409,802,029		10.4%	10.2%	6.7%
2019	496,258	505,333	13,446,487,050	*	12.9%	13.1%	7.0%
2020	507,660	514,244	13,262,209,538	*	15.5%	15.1%	5.5%
2021 (unaudited)	520,757	528,143	13,113,220,352	*	18.5%	18.2%	4.3%
	81,354	81,271					

**With EV*

2.4%
5.1%
7.6%
10.2%
13.1%
15.1%
18.2%

Fund Summary	Actual **2014**	Actual **2015**	Actual **2016**	Actual **2017**	Actual **2018**	Actual **2019**	Actual **2020**	CYE **CYE 2021**
Beginning Balance Available for Spending	214,764,108	274,985,273	279,171,275	334,478,452	370,751,398	431,443,231	413,409,738	387,799,388
Sources:								
Base Rate Revenues	634,464,672	636,817,083	639,095,179	598,585,625	629,312,889	628,594,026	617,506,790	614,673,183
PSA Revenues	469,227,073	413,180,315	405,391,697	420,172,406	425,840,080	466,780,122	397,264,263	391,591,750
Green Choice Fuel Revenues	32,366,083	30,354,841	32,838,877	29,278,231	29,466,882	28,067,025	22,801,345	26,471,674
Community Benefit Revenue	45,599,475	51,903,236	47,801,918	54,623,845	53,901,735	50,117,379	54,577,926	57,419,906
Bilateral and Ancillary Service Sales	-	-	-	-	-	-	-	
ERCOT Related Revenue	1,551,088	1,704,344	609,092	222,824	-	-	-	
Transmission Revenues	68,974,261	74,331,887	75,926,373	78,048,513	78,616,166	81,733,749	83,791,065	84,229,796
Product Revenues	737,606	396,363	449,006	2,387,496	674,869	798,471	781,128	1,286,945
Chiller Revenues	18,779,582	21,456,934	23,231,201	23,859,256	25,130,182	26,922,171	26,013,102	30,212,107
Infrastructure Revenues	3,360,048	6,365,937	7,463,184	6,402,894	6,027,299	6,357,971	6,930,025	6,614,453
Misc Revenues	2,039,711	13,853,969	14,807,117	13,691,306	12,732,902	17,167,215	16,249,196	15,107,318
Other Revenues-non oper	-		-	-	-	-	-	
Interest Income	2,176,913	2,707,624	4,172,730	6,436,964	11,474,358	17,094,843	10,577,499	9,205,964
Transmission Rider	575,375	518,109	-	-	-	-	-	
Regulatory	98,453,903	96,818,458	116,240,718	140,751,089	125,441,633	123,695,001	129,555,994	139,037,533
CRR	12,934,874	12,934,874	12,934,874	-	18,943,474	22,470,783	23,812,693	20,500,000
Total Revenues	**1,391,240,664**	**1,363,343,974**	**1,380,961,966**	**1,374,460,449**	**1,417,562,468**	**1,469,798,755**	**1,389,861,026**	**1,396,350,629**
TRANSFERS IN								
Conservation Rebate Fund	-	4,314	3,450	-	-	-	-	
Total Sources	**1,391,240,664**	**1,363,348,288**	**1,380,965,416**	**1,374,460,449**	**1,417,562,468**	**1,469,798,755**	**1,389,861,026**	**1,396,350,629**
Uses:								
Net Settlement ERCOT Expense (Fuel Cost)	322,920,222	268,210,033	242,344,165	216,803,930	224,060,328	236,398,071	176,356,236	332,030,334
Green Choice Expense	178,672,934	175,325,123	195,886,409	232,513,050	231,272,667	232,897,135	191,563,143	26,471,674
Bilateral Sales Fuel Expense	-	-	-	-	-	-	-	
Total PSA Expense	**501,593,156**	**443,535,156**	**438,230,574**	**449,316,980**	**455,332,995**	**469,295,206**	**367,919,379**	**358,502,008**
Transmission	106,600,112	117,214,246	118,908,293	134,790,997	135,885,550	137,592,192	144,926,370	150,159,499
ERCOT Expense	-	-	-	-	-	-	-	-
ERCOT Admin	6,621,886	5,543,437	7,703,733	8,100,172	8,473,528	8,573,593	8,442,317	8,986,481
Total Recoverable Expenses	**113,221,998**	**122,757,683**	**126,612,026**	**142,891,169**	**144,359,078**	**146,165,785**	**153,368,687**	**159,145,980**
Total PSA and Recoverable Expenses	**614,815,154**	**566,292,839**	**564,842,600**	**592,208,149**	**599,692,073**	**615,460,991**	**521,288,066**	**517,647,988**
OPERATIONS & MAINTENANCE (O&M)								
Decker	15,011,033	11,008,690	15,808,167	17,659,589	20,505,505	14,904,361	16,330,593	13,489,237
Sand Hill	20,602,061	18,050,684	17,274,870	19,716,471	12,290,967	15,587,020	14,690,212	16,823,068
Holly			-	-	-	-	-	
Power Production Environ & Admin	5,222,720	6,011,963	6,055,712	12,418,007	6,319,513	5,611,503	5,844,230	6,889,964
Holly Decommissioning Funded	-	-	-	-	-	-	-	
STP Decommissioning Expense	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	4,960,652	4,960,652	5,000,000
South Texas Project	66,119,951	54,601,182	52,816,580	58,187,809	57,560,517	54,243,476	60,518,128	52,003,680
Fayette Power Project	28,093,037	21,558,004	29,599,169	29,298,587	26,511,445	34,146,566	33,504,872	28,431,549
New Plant at Decker Site	-	-	-	-	-	-	-	-
Non-Nuclear Decommissioning Expense	-	-	-	-	8,000,000	8,000,000	8,000,000	8,000,000
NAC LLC O&M	-	-	-	-	-	3,418,644	13,800,554	16,897,618
Total Power Supply	**140,048,802**	**116,230,523**	**126,554,498**	**142,280,463**	**136,187,947**	**140,872,222**	**157,649,241**	**147,535,116**
Electric Service Delivery	67,272,397	74,846,323	78,129,795	83,071,425	92,053,206	103,430,563	115,981,709	129,358,476
Total Electric Service Delivery	**67,272,397**	**74,846,323**	**78,129,795**	**83,071,425**	**92,053,206**	**103,430,563**	**115,981,709**	**129,358,476**
Energy and Market Operations-Non Recoverabl	-	-	-	-	6,853,129	7,700,282	7,435,012	11,974,147
Strategy and Markets	6,478,968	6,887,575	7,639,051	7,945,314	2,078,714	2,140,900	2,558,846	
Quality Compliance Program	-	-	-	-	-	-	-	
Reliability Compliance Program	999,045	1,028,467	944,585	1,212,039	1,347,721	1,296,461	1,281,775	1,788,880
Environmental Services	2,995,863	2,943,798	3,139,337	4,832,893	4,616,677	5,102,356	6,540,019	6,278,152
District Cooling	11,411,063	13,275,807	13,853,804	13,829,798	13,426,288	14,953,345	15,967,669	17,623,758
Business Development & Contract Compliance	133,159	162,512	-	-	-	-	-	
Office of the Chief Operating Officer	504,635	517,974	556,323	625,841	568,387	646,473	488,659	485,929
Holly Plant	403,703	1,731,471	104,567	8,479	-	-	-	-
Information Technology	39,840,462	49,744,905	47,563,196	47,265,339	48,187,023	50,060,648	54,701,090	53,810,349
Total Market Operations	**62,766,898**	**76,292,510**	**73,800,863**	**75,719,704**	**77,077,939**	**81,900,465**	**88,973,070**	**91,961,215**
Customer Service Center Expense	13,489,685	18,382,651	19,863,682	27,256,965	21,032,815	23,406,690	20,623,555	24,943,877
Customer Service Center Reimbursements	(6,692,637)	(8,691,046)	(8,969,708)	(8,294,020)	(9,367,308)	(9,150,500)	(9,845,619)	(11,079,529)
City-Wide Information Cntr Expenses	8,205,893	9,079,030	9,465,964	10,692,632	11,769,675	12,836,245	12,880,335	12,591,114
City-wide Information Cntr Reimb	(6,270,865)	(6,445,608)	(7,116,041)	(8,610,180)	(8,700,367)	(8,955,937)	(8,896,725)	(9,066,618)
Shared Services Corporate	2,867,522	822,730	556,316	1,039,708	1,058,724	1,049,687	1,112,827	1,159,975
Bad Debt Expense	20,868,373	8,462,938	5,869,455	4,862,275	4,504,988	4,326,336	4,893,724	8,774,666
CAP + 1	-	-	-	-	-	-	-	-
Customer Account Mgt Expense	29,335,025	33,374,550	32,302,113	41,055,846	35,984,861	39,392,940	41,617,260	44,143,905
Customer Account Mgt Reimb	(12,429,182)	(10,333,403)	(12,204,933)	(14,340,858)	(15,640,237)	(16,521,051)	(16,200,386)	(15,637,247)
Customer Care Placeholder 4	-	-	-	-	-	-	-	
Total Customer Care	**49,373,814**	**44,651,843**	**39,766,848**	**53,662,367**	**40,643,151**	**46,384,410**	**46,184,971**	**55,830,143**
Energy Efficiency Programs	12,940,926	18,637,691	14,102,472	14,972,479	13,418,349	14,836,839	14,569,938	15,709,765
Solar Programs (CRIF)	7,418,875	8,012,376	6,382,348	6,230,084	5,916,432	5,072,994	5,983,083	5,250,000
Conservation Programs - CRIF - Fund	16,641,439	17,842,671	15,598,221	18,963,444	17,536,936	15,149,824	14,387,609	17,176,910
Key Accounts	1,449,740	1,521,499	1,564,553	1,751,988	1,797,112	1,855,095	1,805,068	1,886,200
Data Analytics & Business Intellegence	2,511,507	2,861,352	2,798,608	2,817,446	3,348,241	4,060,768	3,900,994	3,930,393
Total Distributed Energy Services	**40,962,487**	**48,875,588**	**40,446,203**	**44,735,441**	**42,017,070**	**40,975,520**	**40,646,692**	**43,953,268**

ADMINISTRATIVE AND GENERAL (A&G)								
Corporate Communications	2,123,574	2,427,097	2,491,137	2,687,038	3,250,819	3,510,959	3,686,128	4,572,412
Finance	13,651,863	13,552,556	13,905,877	11,653,195	11,567,118	10,927,681	11,033,065	13,699,602
Support Services-Corporate	19,917,941	23,190,039	25,265,085	22,569,500	24,267,701	27,070,148	25,579,050	30,292,757
Corporate Expenses	(6,254,098)	(8,297,004)	(10,782,337)	(2,521,833)	(11,284,832)	(9,782,433)	(6,451,850)	(4,908,893)
General Manager	1,100,687	958,487	556,988	853,843	888,942	933,519	871,352	782,043
Regulatory & Govt Affairs	1,874,193	2,167,269	3,727,848	1,742,363	1,972,282	1,665,744	1,752,834	1,757,680
Legal	1,424,226	1,072,474	1,445,982	1,327,717	261,085	1,180,705	423,292	380,000
Interest and Finance Expense	2,421,499	1,308,239	1,518,956	1,233,614	1,292,174	1,093,515	861,333	761,711
Use of Money & Property - Use of Property	-	-	(14,400,000)	-	-	-	-	
Employee Development Services	-	-	5,779,242	5,157,796	5,110,180	5,157,813	5,884,549	6,063,001
Total A&G	**36,259,885**	**36,379,157**	**29,508,778**	**44,703,232**	**37,325,469**	**41,757,651**	**43,639,753**	**53,400,313**
Total Expenses before Recoverable Expenses	**396,684,283**	**397,275,943**	**388,206,985**	**444,172,632**	**425,304,782**	**455,320,832**	**493,075,436**	**522,038,531**
Net Increase before Debt and Transfers	**379,741,227**	**399,779,506**	**427,915,831**	**338,079,668**	**392,565,613**	**399,016,932**	**375,497,523**	**356,664,110**
Accrued Payroll	527,699	769,418	1,436,951	763,695	529,847	1,377,289	573,267	642,116
DEBT SERVICE TRANSFER								
All Debt Service (Principal and Interest)	131,031,832	113,778,791	115,269,722	96,204,296	91,011,907	131,648,734	151,965,256	161,179,738
Capital Lease	123,888	63,750	126,453		131,106	65,777	125,209	125,209
Total Debt Service Transfer	**131,155,720**	**113,842,541**	**115,396,175**	**96,204,296**	**91,143,013**	**131,714,511**	**152,090,465**	**161,304,947**
TRANSFERS OUT								
Trunked Radio(IS)	328,471	282,961	366,816	468,275	547,625	836,653	767,329	712,490
Economic Incentive Fund (IS)	333,333	-						
Economic Development Fund	11,437,520	8,770,183	9,090,429	7,492,992	6,872,809	8,535,853	9,069,619	8,367,233
GENERAL FUND TRANSFER (IS)	105,000,000	105,000,000	105,000,000	108,000,000	109,000,000	110,000,000	111,000,000	114,000,000
Workers comp (IS)	2,188,084	2,338,903	1,875,196	1,767,037	1,842,174	1,676,513	1,514,778	1,415,955
Liability Reserve (IS)	400,000	400,000	400,000					
Admin Support (IS)	21,002,536	20,132,282	22,415,057	25,765,779	26,025,231	28,929,319	29,544,635	31,303,352
CTM Management Fund (IS)	7,037,555	5,985,656	6,946,625	7,727,516	8,663,171	10,038,245	11,224,739	13,185,223
Voluntary Utility Assistance Fund	600,000	1,100,000	615,261	1,179,158	1,435,625	600,000	5,600,000	5,600,000
CIP TRANSFER	79,846,580	67,787,565	64,624,113	63,088,123	58,667,247	66,629,448	80,495,688	143,082,965
Capital Reserve (BS)	-	-	-	-	25,939,482	29,385,258	(381,411)	
Contingency Reserve Fund (BS)	-	39,000,000	44,881,260	(344,547)	-	-	-	
Emergency Reserve Fund (BS)	-	5,000,000		-	-	-	-	
Power Supply Stabilization Reserve (BS)	-	-	-	-	5,000,000	10,000,000	-	
Other City Transfers	-	3,143,812	3,486,724	-	5,920,424	3,294,155	3,468,199	3,831,135
Total Transfers Out	**228,174,079**	**258,941,362**	**259,701,481**	**215,144,333**	**249,913,787**	**269,925,444**	**252,303,576**	**321,498,353**
Total Uses	1,371,356,935	1,337,122,103	1,329,584,192	1,348,493,105	1,366,583,502	1,473,799,066	1,419,330,810	1,523,131,935
Excess (Deficiency) of Revenue over Requirem	**19,883,729**	**26,226,185**	**51,381,224**	**25,967,344**	**50,978,966**	**(4,000,311)**	**(29,469,784)**	**(126,781,306)**
Conservation Rebate Fund	-	4,314	3,450	-	-	-	-	
Ending Operating FUND Balance	234,647,837	301,211,458	330,552,499	360,445,796	421,730,364	427,442,920	383,939,953	261,018,083
Adjustment to GAAP	40,337,437	(22,040,184)	18,325,948	10,305,604	9,712,863	(14,033,182)	3,859,435	-
Adjusted Ending Operating FUND Balance	**274,985,274**	**279,171,274**	**348,878,447**	**370,751,400**	**431,443,231**	**413,409,738**	**387,799,388**	**261,018,083**

Total O&M	1,011,499,437	963,568,782	953,049,585	1,036,380,781	1,024,996,855	1,070,781,823	1,014,363,502	1,039,686,519
Transfers excluding GFT, CIP & Reserves	43,327,499	42,153,797	45,196,108	44,400,757	51,307,059	53,910,738	61,189,299	64,415,388
Pass Through Revenue	(658,581,408)	(605,191,724)	(615,208,084)	(644,825,571)	(653,593,804)	(691,130,310)	(628,012,221)	(635,020,863)
Chiller O&M	(11,411,063)	(13,275,807)	(13,853,804)	(13,829,798)	(13,426,288)	(14,953,345)	(15,967,669)	(17,623,758)
Net O&M	384,834,465	387,255,048	369,183,805	422,126,169	409,283,822	418,608,906	431,572,912	451,457,286
Debt Service	131,155,720	113,842,541	115,396,175	96,204,296	91,143,013	131,714,511	152,090,465	161,304,947
CIP Cash	79,846,580	67,787,565	64,624,113	63,088,123	58,667,247	66,629,448	80,495,688	143,082,965
GFT	105,000,000	105,000,000	105,000,000	108,000,000	109,000,000	110,000,000	111,000,000	114,000,000
Total Requirements	700,836,765	673,885,154	654,204,093	689,418,588	668,094,082	726,952,864	775,159,064	869,845,198
		(26,951,611)	(19,681,061)	35,214,495	(21,324,506)	58,858,782	48,206,201	
Total Revenue	1,391,240,664	1,363,343,974	1,380,961,966	1,374,460,449	1,417,562,468	1,469,798,755	1,389,861,026	1,396,350,629
Pass Through Revenue	(658,581,408)	(605,191,724)	(615,208,084)	(644,825,571)	(653,593,804)	(691,130,310)	(628,012,221)	(635,020,863)
Chiller	(11,411,063)	(13,275,807)	(13,853,804)	(13,829,798)	(13,426,288)	(14,953,345)	(15,967,669)	(17,623,758)
Net Revenue Available	721,248,193	744,876,443	751,900,078	715,805,080	750,542,377	763,715,100	745,881,136	743,706,008
		23,628,250	7,023,635	(36,094,998)	34,737,297	13,172,723	(17,833,964)	
Excess/Deficiency	20,411,428	70,991,289	97,695,985	26,386,492	82,448,295	36,762,236	(29,277,928)	(126,139,190)

Avg Change in Requirements	12,387,049.91
Avg Change in Revenue	4,105,490.50

CYE 2021
869,845,198
743,706,008

Email from Monica 7/22/21	
FY2020 Base Revenue	617,506,790
FY2020 KWH sales	13,262,945,128
Base Revenue per kWh	$ 0.04656
For every xxx increase in cost	10,000,000.00
Requires an addditional xxx kWh	214,782,174.75
Or xxx increase in kWh sales	2%
For every xxx increase in kWh sales	1%
Will fund xxx in increased costs	6,175,067.90

Left Chart

	2014	2015	2016	2017	2018	2019	2020	2021
Costs	701	674	654	689	668	727	775	867
Revenues	721	745	752	716	751	764	746	728

Right Chart

2015	2016	2017	2018	2019	2020	2021	Jan-22
$ 402	$ 550	$ 598	$ 689	$ 690	$ 690	$ 618	$ 558
$402M	$550M	$598M	$689M	$690M	$690M	$618M	

700,836,765	673,885,154
721,248,193	744,876,443
654,204,093	751,900,078
689,418,588	715,805,080
668,094,082	750,542,377
726,952,864	763,715,100
775,159,064	745,881,136
866,788,000	728,420,000

KWH_Bloc	FY 2009	FY 2021
0		
49	1.04%	1.05%
99	1.41%	1.58%
149	1.34%	1.68%
199	1.29%	1.75%
249	1.30%	1.99%
299	1.40%	2.28%
349	1.50%	2.60%
399	1.66%	2.95%
449	1.84%	3.19%
499	2.01%	3.43%
549	2.18%	3.54%
599	2.33%	3.64%
649	2.48%	3.67%
699	2.60%	3.69%
749	2.64%	3.63%
799	2.73%	3.58%
849	2.77%	3.51%
899	2.78%	3.41%
949	2.80%	3.32%
999	2.79%	3.15%
1049	2.77%	3.04%
1099	2.72%	2.87%
1149	2.69%	2.71%
1199	2.65%	2.53%
1249	2.55%	2.37%
1299	2.49%	2.23%
1349	2.40%	2.08%
1399	2.31%	1.90%
1449	2.23%	1.79%
1499	2.13%	1.63%
1549	2.05%	1.49%
1599	1.95%	1.38%
1649	1.85%	1.26%
1699	1.77%	1.15%
1749	1.67%	1.05%
1799	1.56%	0.96%
1849	1.47%	0.87%
1899	1.39%	0.80%
1949	1.29%	0.74%
1999	1.20%	0.66%
2049	1.14%	0.62%
2099	1.07%	0.57%
2149	1.01%	0.51%
2199	0.93%	0.48%
2249	0.88%	0.44%
2299	0.82%	0.40%
2349	0.75%	0.37%
2399	0.70%	0.34%
2449	0.65%	0.31%
2499	0.60%	0.29%
2549	0.56%	0.27%
2599	0.52%	0.25%
2649	0.49%	0.23%

Bin	X	Y	Year	Cumulativ	Label
1149	24	2.69%	FY 09	49.08%	FY 09 49.1%
899	19	3.41%	FY 21	51.16%	FY 21 51.2%

2699	0.45%	0.21%
2749	0.42%	0.20%
2799	0.39%	0.18%
2849	0.37%	0.17%
2899	0.34%	0.16%
2949	0.32%	0.15%
2999	0.29%	0.14%
3049	0.29%	0.13%
3099	0.26%	0.12%
3149	0.24%	0.11%
3199	0.23%	0.10%
3249	0.21%	0.10%
3299	0.20%	0.09%
3349	0.18%	0.09%
3399	0.17%	0.08%
3449	0.17%	0.08%
3499	0.16%	0.08%

Historical KWh By Tier

		Tier 1	Tier 2	Tier 3	Tier 4	Tier 5	Total
	FY	**<500 KWh**	**501-1000 KWh**	**1001-1500 KWh**	**1501-2500 KWh**	**>2500 KWh**	**Energy Sales**
	2000	1,583,658,058	964,193,396	502,809,639	389,286,573	263,888,676	3,703,836,342
	2001	1,636,800,649	989,843,683	505,376,980	380,842,611	183,438,966	3,696,302,889
	2002	1,646,911,774	964,665,392	466,847,503	325,457,056	149,558,468	3,553,440,193
	2003	1,673,541,747	997,743,917	496,427,656	354,798,693	164,945,453	3,687,457,466
	2004	1,685,601,893	966,897,697	453,143,582	308,896,737	147,363,220	3,561,903,129
	2005	1,728,667,731	1,026,069,234	512,666,248	375,182,056	187,883,145	3,830,468,414
	2006	1,786,306,010	1,084,304,540	549,268,510	402,162,169	204,591,349	4,026,632,578
	2007	1,808,155,863	1,040,537,002	489,032,277	338,791,085	180,425,831	3,856,942,058
	2008	1,861,536,995	1,116,399,244	560,192,452	411,589,857	220,952,610	4,170,671,158
	2009	1,881,822,975	1,094,980,786	552,371,867	417,243,289	225,335,130	4,171,754,047
	2010	1,909,529,535	1,101,470,836	548,346,377	407,891,601	223,598,422	4,190,836,771
	2011	1,966,744,172	1,182,822,496	614,873,431	481,703,137	265,549,810	4,511,693,046
	2012	1,986,260,220	1,163,507,561	568,402,005	403,926,178	258,549,508	4,380,645,472
	2013	1,997,987,698	1,101,797,085	515,281,499	359,385,086	198,873,936	4,173,325,304
	2014	2,037,874,386	1,152,639,703	541,885,346	378,419,715	204,142,490	4,314,961,640
	2015	2,100,854,482	1,145,870,067	523,744,638	359,361,493	190,897,014	4,320,727,694
	2016	2,130,974,060	1,122,981,481	500,112,079	330,833,839	173,188,842	4,258,090,301
	2017	2,190,235,367	1,155,792,617	505,255,996	332,980,900	176,215,745	4,360,480,625
	2018	2,245,300,220	1,204,536,129	559,437,755	388,882,249	210,026,775	4,608,183,128
	2019	2,284,123,004	1,180,744,370	523,665,497	350,264,266	183,597,361	4,522,394,498
	2020	2,344,223,454	1,254,800,857	567,153,782	377,302,650	196,378,040	4,739,858,783
	2021	2,391,067,800	1,214,761,313	513,776,239	335,389,237	177,203,339	4,632,197,928
CAGR	**2000-2017**	**1.9%**	**1.1%**	**0.0%**	**-0.9%**	**-2.3%**	
	2012-2021	**2.1%**	**0.5%**	**-1.1%**	**-2.0%**	**-4.1%**	

FY 21 Residential kWh and Energy Revenue

	kWh	kWh %	Energy Revenue	Energy Charge Revenue %
Tier 1	2,342,601,586	50%	$ 67,607,797	30%
Tier 2	1,225,776,134	26%	$ 69,803,757	31%
Tier 3	544,708,253	12%	$ 42,071,003	18%
Tier 4	363,622,193	8%	$ 31,341,930	14%
Tier 5	190,378,094	4%	$ 16,932,415	7%
Total	**4,667,086,260**	100%	**$ 227,756,902**	100%

FISCAL	CUST_CLS	CITY_GRID	KWH_USE	BILLS
FY20	E-RES	A19	2508029	2737
FY20	E-RES	A20	7216146	6587
FY20	E-RES	A21	3762927	4127
FY20	E-RES	A24	1042491	427
FY20	E-RES	A26	12295984	7603
FY20	E-RES	A27	2222377	882
FY20	E-RES	A28	9011858	4900
FY20	E-RES	A29	11365662	7012
FY20	E-RES	A30	15807161	8954
FY20	E-RES	A31	18146503	10131
FY20	E-RES	A32	5089464	2813
FY20	E-RES	A33	2108671	1036
FY20	E-RES	A34	1977235	1113
FY20	E-RES	B17	10882019	10029
FY20	E-RES	B18	4989440	4810
FY20	E-RES	B19	12115298	18478
FY20	E-RES	B20	20236388	20017
FY20	E-RES	B21	13698513	15801
FY20	E-RES	B22	2063976	647
FY20	E-RES	B23	6468900	2281
FY20	E-RES	B24	4737283	2282
FY20	E-RES	B25	7733172	3400
FY20	E-RES	B26	2246082	1073
FY20	E-RES	B27	2424441	1309
FY20	E-RES	B28	3611944	1725
FY20	E-RES	B29	9407997	4032
FY20	E-RES	B30	4703782	3258
FY20	E-RES	B31	11729567	8035
FY20	E-RES	B32	16250637	14579
FY20	E-RES	B33	3187388	1372
FY20	E-RES	C14	4783659	3114
FY20	E-RES	C15	5152254	5593
FY20	E-RES	C16	9820061	9759
FY20	E-RES	C17	20783165	26481
FY20	E-RES	C18	21061958	22541
FY20	E-RES	C19	6412179	5528
FY20	E-RES	C20	12428702	21810
FY20	E-RES	C21	8728870	11197
FY20	E-RES	C22	5796000	1145
FY20	E-RES	C23	8185798	2840
FY20	E-RES	C24	14404076	8221
FY20	E-RES	C25	4099718	1405
FY20	E-RES	C26	4563216	1502
FY20	E-RES	C27	10475818	4530
FY20	E-RES	C28	15823057	9952
FY20	E-RES	C29	12700458	7291

FY20	E-RES	C30	5895219	2564
FY20	E-RES	C31	3046386	1766
FY20	E-RES	C32	3222095	3989
FY20	E-RES	D13	3664456	3514
FY20	E-RES	D14	17729489	15873
FY20	E-RES	D15	16491717	21459
FY20	E-RES	D16	20148578	26871
FY20	E-RES	D17	21250159	24395
FY20	E-RES	D18	9603434	11323
FY20	E-RES	D19	26441562	34550
FY20	E-RES	D20	7404896	11334
FY20	E-RES	D21	7552648	4960
FY20	E-RES	D22	2050091	491
FY20	E-RES	D23	12453620	8444
FY20	E-RES	D24	7509407	4773
FY20	E-RES	D25	8258037	3078
FY20	E-RES	D26	7230091	2431
FY20	E-RES	D27	3976418	1393
FY20	E-RES	D28	2835561	1292
FY20	E-RES	D29	3729715	1466
FY20	E-RES	D30	10901076	4223
FY20	E-RES	D31	9279708	5751
FY20	E-RES	D32	4392557	2425
FY20	E-RES	D33	9407680	15636
FY20	E-RES	D34	4195594	7052
FY20	E-RES	E12	6616923	7237
FY20	E-RES	E13	19137399	21174
FY20	E-RES	E14	21925539	23868
FY20	E-RES	E15	24935740	25647
FY20	E-RES	E16	25020478	30635
FY20	E-RES	E17	15658459	22114
FY20	E-RES	E18	9711263	13730
FY20	E-RES	E19	6495388	10175
FY20	E-RES	E20	10956729	14921
FY20	E-RES	E21	4987258	4614
FY20	E-RES	E22	4645208	2202
FY20	E-RES	E23	10971597	6643
FY20	E-RES	E24	6207677	3762
FY20	E-RES	E25	4528954	1931
FY20	E-RES	E26	5803549	1834
FY20	E-RES	E27	5193132	1649
FY20	E-RES	E28	8598463	3600
FY20	E-RES	E29	1682259	590
FY20	E-RES	E30	1685371	529
FY20	E-RES	E31	5796200	2412
FY20	E-RES	E32	2300073	967
FY20	E-RES	E33	5444120	9787

FY20	E-RES	F10	6690127	11405
FY20	E-RES	F11	13684644	20252
FY20	E-RES	F12	18140468	25203
FY20	E-RES	F13	12457155	17980
FY20	E-RES	F14	29489431	45662
FY20	E-RES	F15	15364286	17061
FY20	E-RES	F16	20417157	24225
FY20	E-RES	F17	23664743	30626
FY20	E-RES	F18	19354328	25584
FY20	E-RES	F19	7455868	9983
FY20	E-RES	F20	768038	673
FY20	E-RES	F21	12723833	17910
FY20	E-RES	F22	18079284	12371
FY20	E-RES	F23	12118631	7927
FY20	E-RES	F24	11015782	4854
FY20	E-RES	F25	10028039	4654
FY20	E-RES	F26	11203200	4731
FY20	E-RES	F27	10677695	4771
FY20	E-RES	F28	13478914	7822
FY20	E-RES	F29	4519313	4797
FY20	E-RES	F30	9656456	12716
FY20	E-RES	F31	9259767	8891
FY20	E-RES	F32	6267674	5162
FY20	E-RES	F33	3749475	2653
FY20	E-RES	F35	258310	156
FY20	E-RES	F37	1920525	2160
FY20	E-RES	F38	15461740	17754
FY20	E-RES	F39	3659803	6090
FY20	E-RES	F40	8619957	16815
FY20	E-RES	G10	3845733	3855
FY20	E-RES	G11	8573850	7002
FY20	E-RES	G12	13036156	14552
FY20	E-RES	G13	18990640	23396
FY20	E-RES	G14	15957354	22642
FY20	E-RES	G15	19604237	27337
FY20	E-RES	G16	36007923	54133
FY20	E-RES	G17	24419328	32904
FY20	E-RES	G18	17913947	24206
FY20	E-RES	G19	29491257	44731
FY20	E-RES	G20	36578975	55557
FY20	E-RES	G21	30843454	41975
FY20	E-RES	G22	7267732	7106
FY20	E-RES	G23	16663524	12416
FY20	E-RES	G24	14428822	14957
FY20	E-RES	G25	21942868	10714
FY20	E-RES	G26	16000059	4949
FY20	E-RES	G27	16383420	4765

FY20	E-RES	G28	16335579	9954
FY20	E-RES	G29	15969080	10024
FY20	E-RES	G30	11361677	8063
FY20	E-RES	G31	13633658	12194
FY20	E-RES	G32	1551178	1216
FY20	E-RES	G33	3773904	2611
FY20	E-RES	G34	6288610	4620
FY20	E-RES	G35	14120732	11524
FY20	E-RES	G36	13208214	16238
FY20	E-RES	G37	26571592	33289
FY20	E-RES	G38	29910782	30232
FY20	E-RES	G39	16881094	17683
FY20	E-RES	G40	14385627	23841
FY20	E-RES	G41	3278357	6502
FY20	E-RES	H10	640235	553
FY20	E-RES	H11	9547014	10902
FY20	E-RES	H12	13721102	15305
FY20	E-RES	H13	1818168	3570
FY20	E-RES	H14	23463744	26417
FY20	E-RES	H15	34028871	38064
FY20	E-RES	H16	23904723	31916
FY20	E-RES	H17	12672911	16676
FY20	E-RES	H18	14035190	24950
FY20	E-RES	H19	26196295	40090
FY20	E-RES	H20	25505887	34398
FY20	E-RES	H21	34924465	54201
FY20	E-RES	H22	15313529	28897
FY20	E-RES	H23	27741768	35527
FY20	E-RES	H24	34372778	25458
FY20	E-RES	H25	25568181	18755
FY20	E-RES	H26	15529825	14902
FY20	E-RES	H27	14217667	11108
FY20	E-RES	H28	14289576	13210
FY20	E-RES	H29	28603407	34982
FY20	E-RES	H30	31455471	34224
FY20	E-RES	H31	19767290	22240
FY20	E-RES	H32	20261613	22573
FY20	E-RES	H33	16821837	17380
FY20	E-RES	H34	21368119	21614
FY20	E-RES	H35	20249729	20689
FY20	E-RES	H36	8526435	10374
FY20	E-RES	H37	37379585	45218
FY20	E-RES	H38	29669671	31027
FY20	E-RES	H39	17656212	23897
FY20	E-RES	H40	8871817	16124
FY20	E-RES	H41	4208413	4238
FY20	E-RES	J10	1537215	1103

FY20	E-RES	J11	681953	482
FY20	E-RES	J12	19689476	17455
FY20	E-RES	J13	14948304	12419
FY20	E-RES	J14	2055758	2616
FY20	E-RES	J15	13070489	13275
FY20	E-RES	J16	26925583	28724
FY20	E-RES	J17	2140468	2639
FY20	E-RES	J18	21390575	30006
FY20	E-RES	J19	35178465	52848
FY20	E-RES	J20	31828142	44800
FY20	E-RES	J21	26122512	42815
FY20	E-RES	J22	23864161	43856
FY20	E-RES	J23	14984021	25378
FY20	E-RES	J24	58135034	91098
FY20	E-RES	J25	26095394	42423
FY20	E-RES	J26	26003429	38547
FY20	E-RES	J27	26543466	40021
FY20	E-RES	J28	19895956	26254
FY20	E-RES	J29	16760426	21409
FY20	E-RES	J30	19702735	32464
FY20	E-RES	J31	21611331	26718
FY20	E-RES	J32	10819567	14146
FY20	E-RES	J33	11207011	19036
FY20	E-RES	J34	32838862	40428
FY20	E-RES	J35	13551550	12435
FY20	E-RES	J36	30036128	48839
FY20	E-RES	J37	21084123	28285
FY20	E-RES	J38	2984802	4372
FY20	E-RES	J40	3595364	4701
FY20	E-RES	J41	154325	133
FY20	E-RES	K13	148544	219
FY20	E-RES	K14	2419610	4506
FY20	E-RES	K16	1642512	1358
FY20	E-RES	K17	326189	579
FY20	E-RES	K18	17778349	26816
FY20	E-RES	K19	54383472	73648
FY20	E-RES	K20	17455310	33696
FY20	E-RES	K21	24581471	39815
FY20	E-RES	K22	21506182	32213
FY20	E-RES	K23	21222047	33502
FY20	E-RES	K24	24320348	38339
FY20	E-RES	K25	22382057	34176
FY20	E-RES	K26	24472348	36440
FY20	E-RES	K27	18378928	34391
FY20	E-RES	K28	28985892	48622
FY20	E-RES	K29	20271930	26648
FY20	E-RES	K30	25113287	34336

FY20	E-RES	K31	27980778	39921
FY20	E-RES	K32	6602865	13399
FY20	E-RES	K33	16738148	45140
FY20	E-RES	K34	23844144	39524
FY20	E-RES	K35	22373791	26093
FY20	E-RES	K36	11455451	12143
FY20	E-RES	L14	5187177	5348
FY20	E-RES	L15	720659	766
FY20	E-RES	L16	9445612	11086
FY20	E-RES	L17	2437435	2061
FY20	E-RES	L18	22401055	31406
FY20	E-RES	L19	18407855	25369
FY20	E-RES	L20	2504727	2915
FY20	E-RES	L21	7621083	11633
FY20	E-RES	L22	18139255	25959
FY20	E-RES	L23	16031743	22311
FY20	E-RES	L24	15897160	19266
FY20	E-RES	L25	23367898	36710
FY20	E-RES	L26	26926820	40506
FY20	E-RES	L27	23906537	35835
FY20	E-RES	L28	16910663	23327
FY20	E-RES	L29	33790791	51224
FY20	E-RES	L30	27522686	32891
FY20	E-RES	L31	35969354	44278
FY20	E-RES	L32	20374944	24778
FY20	E-RES	L33	29591974	41257
FY20	E-RES	L34	28189483	41959
FY20	E-RES	L35	14214862	16584
FY20	E-RES	L36	19728150	27613
FY20	E-RES	L37	6745064	10283
FY20	E-RES	M15	167491	194
FY20	E-RES	M16	114724	145
FY20	E-RES	M17	366612	263
FY20	E-RES	M18	4831406	4145
FY20	E-RES	M19	993895	694
FY20	E-RES	M20	1048554	977
FY20	E-RES	M21	6765298	8498
FY20	E-RES	M22	6828742	8288
FY20	E-RES	M23	15679978	20651
FY20	E-RES	M24	11707713	14146
FY20	E-RES	M25	20374010	26169
FY20	E-RES	M26	20272751	24061
FY20	E-RES	M27	23096780	27644
FY20	E-RES	M28	1342015	1460
FY20	E-RES	M29	19964312	25338
FY20	E-RES	M30	20230668	23779
FY20	E-RES	M31	13990487	16535

FY20	E-RES	M32	14208539	17449
FY20	E-RES	M33	10559484	17397
FY20	E-RES	M34	8991103	11614
FY20	E-RES	M35	19018573	24889
FY20	E-RES	M36	17443826	24406
FY20	E-RES	M37	13545714	15393
FY20	E-RES	M38	1509582	1760
FY20	E-RES	MJ8	305922	192
FY20	E-RES	MJ9	1070932	689
FY20	E-RES	MN9	169762	109
FY20	E-RES	MP9	745795	557
FY20	E-RES	N11	404990	262
FY20	E-RES	N12	1858883	1914
FY20	E-RES	N13	2515200	2614
FY20	E-RES	N17	1317231	1194
FY20	E-RES	N18	2542528	2511
FY20	E-RES	N19	226458	157
FY20	E-RES	N20	136696	108
FY20	E-RES	N21	247912	281
FY20	E-RES	N22	162383	134
FY20	E-RES	N23	2467671	2590
FY20	E-RES	N24	8775456	9048
FY20	E-RES	N25	9341474	12799
FY20	E-RES	N26	8704831	10628
FY20	E-RES	N27	3431700	4855
FY20	E-RES	N28	7520563	8438
FY20	E-RES	N29	906258	1035
FY20	E-RES	N30	5927990	7780
FY20	E-RES	N31	16759150	17675
FY20	E-RES	N32	31220394	43867
FY20	E-RES	N33	29511879	38591
FY20	E-RES	N34	7725980	9993
FY20	E-RES	N35	24028476	24906
FY20	E-RES	N36	4857410	8980
FY20	E-RES	P10	1221342	818
FY20	E-RES	P12	1031094	1034
FY20	E-RES	P13	8803731	8054
FY20	E-RES	P14	9265142	7753
FY20	E-RES	P15	658279	433
FY20	E-RES	P17	3064466	4419
FY20	E-RES	P18	1750007	2336
FY20	E-RES	P22	2855635	2146
FY20	E-RES	P23	8855644	8161
FY20	E-RES	P24	18601212	17999
FY20	E-RES	P25	11104916	11846
FY20	E-RES	P26	2558977	1769
FY20	E-RES	P27	5372578	7338

FY20	E-RES	P28	899480	854
FY20	E-RES	P29	528277	731
FY20	E-RES	P30	6867204	7321
FY20	E-RES	P32	2055095	3137
FY20	E-RES	P33	20340215	16220
FY20	E-RES	P34	12988986	14635
FY20	E-RES	P35	18838312	19946
FY20	E-RES	P36	5643188	5599
FY20	E-RES	P37	3260159	3110
FY20	E-RES	Q10	2466757	1705
FY20	E-RES	Q11	1391923	1008
FY20	E-RES	Q13	2855908	2232
FY20	E-RES	Q14	19228319	15956
FY20	E-RES	Q22	2708576	2003
FY20	E-RES	Q23	3741255	2986
FY20	E-RES	Q25	4394823	4381
FY20	E-RES	Q26	7905485	5883
FY20	E-RES	Q29	7645276	6931
FY20	E-RES	Q30	3512769	3328
FY20	E-RES	Q31	6047947	6829
FY20	E-RES	Q32	2743524	2884
FY20	E-RES	Q33	7061834	7208
FY20	E-RES	Q34	8234733	6854
FY20	E-RES	Q35	1072376	969
FY20	E-RES	R18	352338	314
FY20	E-RES	R19	13726510	14259
FY20	E-RES	R20	6235895	8447
FY20	E-RES	R21	3519714	3285
FY20	E-RES	R22	426417	431
FY20	E-RES	R31	1005818	1297
FY20	E-RES	R32	216273	158
FY20	E-RES	R34	469681	375
FY20	E-RES	S18	183844	120
FY20	E-RES	S19	5328622	6568
FY20	E-RES	S20	6192593	6823
FY20	E-RES	S21	11973223	10069
FY20	E-RES	S22	665771	545
FY20	E-RES	S23	1264618	609
FY20	E-RES	T20	1266372	733
FY20	E-RES	T21	205298	134
FY20	E-RES	U21	487271	301
FY20	E-RES	U22	142976	132
FY20	E-RES	WV25	219192	148
FY20	E-RES	WW25	588716	266
FY20	E-RES	WW26	9577021	7798
FY20	E-RES	WW27	8887488	5038
FY20	E-RES	WW28	9152636	4271

FY20	E-RES	WW29	7846979	3770
FY20	E-RES	WX24	2018510	1070
FY20	E-RES	WX25	1407557	664
FY20	E-RES	WX26	9604734	6759
FY20	E-RES	WX27	9962457	8355
FY20	E-RES	WX28	9735881	7201
FY20	E-RES	WX29	11229322	7042
FY20	E-RES	WX30	16401985	9348
FY20	E-RES	WX31	3158146	1769
FY20	E-RES	WY23	2184690	447
FY20	E-RES	WY24	5972337	1788
FY20	E-RES	WY25	3412011	1265
FY20	E-RES	WY26	1759257	2240
FY20	E-RES	WY27	8122717	11063
FY20	E-RES	WY28	4426901	2193
FY20	E-RES	WY29	4805799	3041
FY20	E-RES	WY30	7972418	4843
FY20	E-RES	WY31	7225309	4276
FY20	E-RES	WY32	12771256	8017
FY20	E-RES	WY34	382597	167
FY20	E-RES	WY35	2766964	1776
FY20	E-RES	WY36	794746	803
FY20	E-RES	WZ23	1139945	204
FY20	E-RES	WZ24	8254177	2552
FY20	E-RES	WZ25	9523666	6728
FY20	E-RES	WZ26	16069432	9713
FY20	E-RES	WZ27	4549284	2866
FY20	E-RES	WZ28	7709347	3230
FY20	E-RES	WZ29	2106229	884
FY20	E-RES	WZ31	15786720	11159
FY20	E-RES	WZ32	10945620	7507
FY20	E-RES	WZ33	7973377	5816
FY20	E-RES	WZ34	7040235	4493
FY20	E-RES	WZ35	7462678	4781
FY20	E-RES	WZ36	3895823	2415

	2012	2013	2014	2015	2016	2017	2018	2019	2020
Non-CAP	963	898	907	884	849	847	873	838	855
CAP	999	979	974	934	917	924	944	903	951
									96
									0.11

	T1	T2	T3	T4	T5
Non-CAP	36.2%	34.3%	16.3%	9.8%	3.3%
CAP	23.5%	36.9%	23.6%	14.2%	1.8%

	25pct	Median	75pct	25th perce	75th percentile
78701	280	226	304	280	810
78724	532	392	433	532	1357

	78701	78724
25pct	280	532
median	506	924
75pct	810	1357

SCPC 1-10: Please provide all analysis produced by or for Austin Energy since 2012 on the relationship between variable or fixed energy costs and energy savings participation or outcomes. Please provide any analysis prepared by or for Austin Energy on the expected impact on energy efficiency participation of its proposed increase in the fixed portion of customer bills.

ANSWER: Austin Energy understands this request to be asking for all analyses Austin Energy has produced or acquired relating to the impact that an adjustment to the residential rate design—and specifically an adjustment to the share of class revenues to be recovered under fixed charges (e.g., customer charge) versus variables charges (e.g., tiered energy rates)—would have on participation in energy saving programs, such as Austin Energy's energy efficiency programs.

Given that understanding, there are no responsive documents.

Prepared by: BTM

Sponsored by: Brian Murphy

SCPC 1-11: Please identify whether the estimated line loss rate "assumed to be 5.14 percent" as described on page 142 of the Filing Package represents an average or marginal line loss rate. Please provide all available analyses or reports related to the hourly marginal line loss rate for Austin Energy. Please also provide all available analyses of the impact of distributed energy on line losses for the Austin Energy system.

ANSWER: The estimated line loss rate on page 142 of the Base Rate Filing Package represents an average line loss for service at secondary voltage. The Line Loss Study (included in Appendix D) does not consider the marginal line loss or distributed energy. The Line Loss Study considers annual energy and peak demand.

Prepared by: ME

Sponsored by: Thomas Pierpoint

SCPC 1-12: Please provide the hourly marginal emission rate for the Austin Energy system for 2021, or for the most recent year for which such data are available.

ANSWER: A link to the EPA (Environmental Protection Agency) is provided below. One can access the EPA database where one can query hourly emission data for any generation unit. It should be noted that the emission data does not represent marginal emission rates, as one would need to know which units were on the margin for each hour.

EPA database: https://ampd.epa.gov/ampd/

Prepared by: RJ

Sponsored by: Tim Harvey