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SOAH DOCKET NO. 473-19-3864
PUC DOCKET NO. 49421

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APPLICATION OF CENTERPOINT § BEFORE THE STATE OFFICE
ENERGY HOUSTON ELECTRIC, LLC § OF
FOR AUTHORITY TO CHANGE RATES § ADMINISTRATIVE HEARINGS

May 13, 2019

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The response and attachments to GCCC01-14 are highly sensitive and are being provided pursuant to the Protective Order issued in Docket No, 49421 under separate cover.	

CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864

GULF COAST COALITION OF CITIES
REQUEST NO.: GCCC01-01

QUESTION:

Refer to the CNP 2018 10-K at 60 wherein there is an \$8 million quantification of the effects of weather (temperature) on the CEHE electric revenues in 2018 compared to 2017.

- a. Provide a detailed description of the methodology used by CEHE to quantify the effects of weather on the CEHE electric revenues in 2018, including the historic weather period relied on and the statistical models used to make these quantifications.
- b. Provide a copy of the statistical models used to make these quantifications in live Excel spreadsheet format with all formulas intact.
- c. Provide a summary table of all critical differences and a detailed description of each critical difference in the methodology used for purposes of the CNP 10-K compared to the methodology used by Dr. J. Stuart McMenamin and other CEHE witnesses in this rate proceeding to quantify ratemaking adjustments for normal weather.

ANSWER:

- a. The method of weather normalizing revenues for the 10K was developed for the previous rate case Docket 38339. A full description of this method may be found in the testimony of Robert William Sumners Jr. (Bill) for Docket 38339.

The weather adjustment was done on a daily basis using a piecewise linear model with 7 segments -- 3 for heating (HDH40, HDH55, and HDH65) and 4 for cooling (CDH65, CDH72, CDH80, and CDH90). Actual hourly weather from Bush Intercontinental Airport (IAH) and Hobby Airport (HOU) were averaged across the two stations for each hour. The average hourly values are used to compute heating degree hour (HDH) and cooling degree hour (CDH) values for each hour. These values were summed up for each day, giving daily HDH and CDH values for each historical day. The calculation period used for the 10K was the 10 years from 2007-2016 (which was consistent with the most recent rolling 10 years available at the time the budget was created). The weather impact on kWh usage per customer was found by multiplying the coefficient for each CDH and HDH segment by the deviation between actual and normal values for each segment on a day. These results were summed across the HDH and CDH segments and were then multiplied by the number of customers. The kWh impact for residential and SVS classes were multiplied by their respective distribution and transmission rates to find the revenue impact. For financial revenue analysis, only the impact on classes billed on kWh were included.

- b. The spreadsheet used to calculate the effects of weather on the CenterPoint Houston revenues may be found in the attachment "GCCC01-01 2018 Weather Impact Estimate (KWH) 2007-16 Normals.xlsx". The statistics from the estimation of the coefficients used may be found in Schedule II-H-2.1 (k), pages 4021-4044 of the original filing in Docket 38339. Schedule II-H-2.1 (k) is not an excel spreadsheet. This is the case because the coefficients were originally estimated using SAS.

- c. Differences in Methodology

	Method used in Financial Reporting (10K)	Method used in Rate Case
Data used in estimation	Based on load study data (a small statistical sample) from 2010 Rate Case (Docket 38339)	Based on AMS interval data from 2015-2018 for the population
Weather stations	IAH, HOU	IAH, HOU, Sugar Land (SGR)
Historic Weather		

Period for Normal Comparison	2007-2016 (10 year)	1999-2018 (20 year)
Weather Variables	Cooling degree hours (CDH) and heating degree hours (HDH) computed from the averages	Daily cooling degrees (CD) and heating degrees (HD) used
Weighting across stations	Hourly temperatures weighted across stations, then CDH and HDH computed from the averages	CD and HD variables computed for each station, then weighted across stations
Weather Interactions	Vary by season	CD and HD slopes allowed to vary by day type and season
Lagged weather effects	One day lagged effects included	One and two day lagged effects included
Temperature Comparison	CDH and HDH used to compute smoothed temperature	Rank and average applied to daily CD and HD. Results are assigned to days in 2018 using actual weather pattern
Rate class impacts	Residential and SVS only (Kwh)	All weather sensitive rate classes: Residential, SVS, SVL, PVS

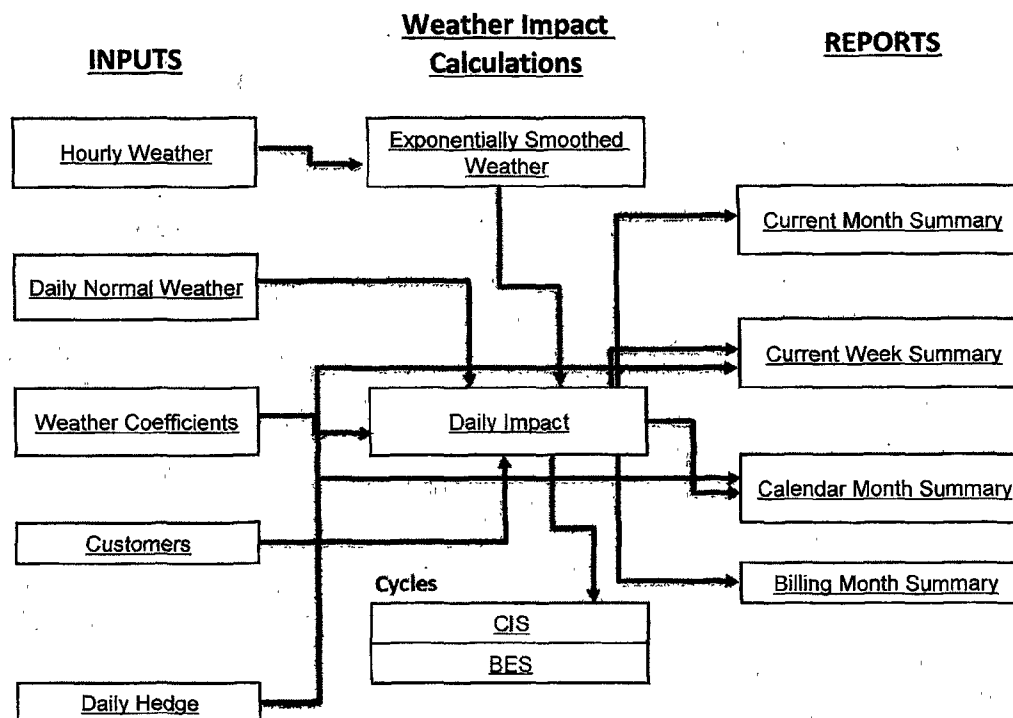
SPONSOR (PREPARER):

Kristie Colvin/Stuart McMenamin(Kristie Colvin/Stuart McMenamin)

RESPONSIVE DOCUMENTS:

GCCC01-01 2018 Weather Impact Estimate (KWH) 2007-16 Normals.xlsx

CEHE's Weather Impact Estimate



Minute 53

Average of Temp		Time																											
Month	Day	0:53	1:53	2:53	3:53	4:53	5:53	6:53	7:53	8:53	9:53	10:53	11:53	12:53	13:53	14:53	15:53	16:53	17:53	18:53	19:53	20:53	21:53	22:53	23:53	Max	Min		
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10	19	66	65	66	66	66	66	66	69	71	76	78	77	79	80	80	80	79	78	77	77	75	72	71	69	80	65
10	20	68	68	68	68	68	68	68	68	68	70	71	71	72	72	71	70	69	68	67	66	66	66	65	64	72	64
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10	25	66	66	66	65	64	63	63	65	66	67	67	66	67	68	69	67	66	65	64	62	61	60	59	69	59	59
10	26	57	55	55	54	54	54	56	60	64	69	70	72	73	75	75	75	74	71	68	64	63	61	59	58	75	54
10	27	58	56	56	55	55	55	55	62	67	71	76	78	80	81	81	82	80	73	70	70	68	67	64	65	82	55
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11	16	43	42	40	40	40	40	39	45	53	59	63	66	68	68	69	69	66	60	57	55	54	52	51	51	69	39
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11	22	52	52	51	51	51	51	51	52	53	56	59	62	63	64	64	61	56	56	54	52	52	52	53	54	64	51
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11	24	56	54	54	52	51	50	49	52	58	64	71	73	75	74	73	72	69	66	65	65	63	63	64	64	75	49
11	25	65	66	65	66	67	66	66	67	69	71	75	76	75	75	73	69	65	64	62	61	59	57	54	52	76	52
11	26	50	48	47	45	45	44	43	45	47	49	51	54	56	57	58	58	55	50	49	46	42	41	42	41	58	41
11	27	40	39	37	38	36	35	34	37	46	51	55	58	61	62	63	63	60	52	51	52	51	49	48	44	63	34
11	28	44	43	43	45	45	45	46	51	57	60	66	68	70	70	70	69	67	67	67	67	67	66	66	67	70	43
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11	30	69	69	69	69	69	69	69	69	71	75	78	81	80	80	80	80	78	76	76	75	75	75	75	75	81	69
12	1	75	75	74	74	74	72	69	70	73	74	76	78	79	80	80	79	76	67	61	56	56	56	56	58	80	56

12	2	56	53	53	52	52	55	52	57	63	69	72	74	77	79	79	78	74	68	65	62	61	60	58	57	79	52		
12	3	56	55	54	53	52	52	51	53	57	60	63	66	68	69	68	67	64	61	59	57	56	55	51	50	69	50		
12	4	49	49	48	46	46	44	44	45	48	52	54	57	60	62	62	62	59	54	52	51	49	46	46	44	62	44		
12	5	44	42	42	42	41	41	41	43	48	51	54	56	59	60	60	60	58	53	52	52	48	46	46	48	60	41		
12	6	46	49	50	51	52	53	54	55	57	58	60	61	62	62	62	63	62	62	62	62	62	62	62	62	63	46		
12	7	63	63	63	63	64	64	64	65	67	70	73	75	75	74	71	69	69	64	62	62	62	57	56	57	75	56		
12	8	56	54	51	50	50	49	49	49	49	50	49	49	49	49	49	49	48	48	47	48	47	47	46	45	56	45		
12	9	45	45	45	44	44	44	44	44	45	45	47	48	48	48	48	47	47	47	47	48	48	46	44	48	44			
12	10	43	42	41	40	40	40	40	41	45	49	52	54	56	58	59	58	58	54	51	47	45	43	41	41	59	40		
12	11	39	39	38	37	37	37	37	40	48	54	57	60	62	62	63	60	58	55	53	53	51	52	50	53	63	37		
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12	13	67	67	67	65	65	65	65	65	65	69	70	72	72	72	73	73	72	68	66	64	56	52	50	50	73	50		
12	14	50	49	48	47	47	46	45	45	47	49	49	50	51	50	50	49	49	49	49	50	50	51	51	51	51	45		
12	15	51	51	52	51	49	48	48	48	48	50	53	56	60	63	64	64	62	58	56	55	54	53	52	50	64	48		
12	16	49	47	44	44	41	42	42	45	52	57	61	63	63	65	66	64	63	59	56	55	54	53	52	53	66	41		
12	17	53	52	53	53	54	53	53	55	58	61	64	66	68	70	70	66	59	56	57	56	55	51	49	70	49			
12	18	48	48	49	49	48	49	49	50	52	53	56	58	60	62	62	62	61	60	60	59	58	58	58	57	62	48		
12	19	57	57	56	56	57	57	57	57	57	56	56	56	57	58	59	59	59	55	54	52	53	53	53	53	59	52		
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12	22	49	45	46	48	50	51	52	54	61	67	71	73	75	76	76	75	72	69	67	66	64	63	61	76	45			
12	23	60	59	58	58	58	60	60	58	58	61	65	68	69	71	70	68	65	61	59	58	56	54	53	52	71	52		
12	24	52	49	48	48	48	50	50	50	53	57	60	62	63	63	62	61	60	60	60	59	60	60	61	61	63	48		
12	25	60	59	59	60	61	61	61	62	62	64	66	68	69	69	70	70	68	65	64	63	63	62	63	62	70	59		
12	26	63	63	63	63	63	63	63	65	66	67	67	69	68	67	66	66	66	67	67	68	69	69	70	70	70	63		
12	27	72	72	72	72	64	56	55	55	57	58	61	64	68	71	71	71	67	61	59	57	57	57	56	56	72	55		
12	28	54	52	52	50	49	48	47	47	48	51	54	58	59	61	61	61	60	59	59	58	57	56	55	54	61	47		
12	29	53	52	51	50	50	50	50	51	51	51	51	51	51	51	50	51	50	50	50	49	49	48	48	53	48			
12	30	48	47	47	47	47	47	47	46	47	46	47	47	48	49	49	49	49	49	49	49	49	49	49	49	49	46		
12	31	50	50	50	51	49	47	47	48	49	50	51	52	54	56	57	58	56	54	52	52	50	48	47	47	58	47		
1	1	45.5	44	44.5	42.5	42.5	43	43	44	51.5	56	60.5	62	64	64	63	62	61	60.5	60	59.5	58.5	57.5	57	64	43	65	42	
1	2	56.5	56	55	54.5	53.5	52.5	51.5	51.5	51	51	50.5	51	51	51.5	51.5	52	52.5	53	53	53	53.5	54.5	55.5	57	51	57	51	
1	3	56.5	56.5	55.5	55.5	55.5	55	53.5	49.5	46.5	45.5	44.5	45.5	48	48.5	47.5	47	48	46	44.5	43.5	42.5	42	40.5	39.5	57	40	57	40
1	4	39	39	37.5	38.5	38	37.5	38	39.5	43.5	48	50.5	53.5	55.5	58	61	61.5	61	56.5	52.5	51.5	51	48	47	45.5	62	38		
1	5	44.5	43.5	42	41	41	39.5	39.5	41	50	55.5	61	65	68	69.5	71	71	68.5	61.5	58	55.5	54	51.5	50.5	51.5	71	40		
1	6	48.5	49.5	46.5	47.5	48.5	47.5	47.5	47	56	62	68	70.5	70.5	71	71.5	70	69	67	64.5	63.5	62.5	60.5	59.5	60.5	72	47		
1	7	60.5	61	61	60.5	61	61	61	62	64	66	68.5	71.5	72.5	74	74.5	73	72.5	70.5	69	68.5	67	66	64.5	62.5	75	61		
1	8	61.5	60	58.5	59.5	57.5	57.5	56.5	58	64.5	68.5	72.5	75	76	76	77.5	76	74	71	70	68	65.5	64.5	63.5	63	78	57		
1	9	61.5	61.5	60.5	58.5	57.5	56.5	55	54	55.5	56.5	59	60.5	62	63.5	64	63	60.5	56.5	55.5	53.5	51.5	50	49	46.5	64	47		
1	10	47	46.5	45	44	43	43	42.5	44	49.5	54.5	57	59	59.5	59.5	61	60.5	60	57	55	53	52	49.5	50	47.5	61	43		
1	11	47	46.5	45.5	46	45.5	45.5	46	47.5	51.5	56.5	60.5	63.5	65	66.5	66	63.5	62	61.5	61	60	59	59	59.5	60.5	67	46		
1	12	61	61.5	62.5	61.5	61.5	61.5	61.5	62.5	62.5	64	66	66.5	65.5	65.5	64	62	58.5	56.5	55	52	49.5	48.5	47.5	67	48			
1	13	46.5	45	45	44.5	43	41.5	42.5	43	46	48.5	50.5	52.5	55	57	58	59	57	53	51	50	48.5	47	45	44	59	42		
1	14	42.5	42	41	39.5	39	39	38	39.5	42.5	45.5	47.5	50	51	53	54.5	55	54.5	52.5	52	50.5	48.5	48	47	46	55	38		
1	15	46	45.5	45.5	45	44	44	44	44.5	45	46	47	50	51.5	53	54	53.5	53	52	52	51	51	50.5	50.5	50.5	54	44		
1	16	50.5	50	51	51	51	51.5	52	53	54.5	56	59	59.5	60	60.5	58.5	57.5	57.5	57.5	58.5	58.5	58.5	59.5	61	61	50			
1	17	61.5	62.5	63	63	63	63	62.5	61	60.5	61	61.5	64	65	67.5	68.5	69	67	63.5	61	59.5	58.5	56	57.5	56	69	56		
1	18	55.5	54.5	55.5	56	57.5	58.5	58.5	59	60	61	63	64.5	66.5	68.5	70	70.5	70.5	69.5	69.5	70.5	70.5	70.5	71	71	55			
1	19	70.5	70.5	67.5	62.5	62.5	60	54	52	50	48.5	48	47.5	50	50.5	51.5	51.5	50	48	46.5	45.5	44	42.5	41	39	71	39		
1	20	38	37	36.5	35.5	34.5	33.5	32.5	33.5	35	38.5	41	44.5	47.5	50.5	51.5	53	52.5	48.5	45.5	43	41.5	40.5	39.5	39	53	33		
1	21	37.5	37.5	36.5	36.5	37	38	39	40	47	51	55	58.5	61	61.5	62	62	60.5	59.5	58.5	58.5	59	59	59.5	60	62	37		
1	22	61	62	62	63	63	63	63.5	64	65.5	67.5	69	71.5	71.5	72	72	71.5	70.5	69	68.5	66.5	67	67	67	67	72	61		
1	23	54.5	49.5	48	46	43.5	41	39	38.5	37.5	38	38	39	40.5	42.5	45.5	47.5	46	44.5	43.5	42	42	41.5	40	38	55	38		
1	24	35.5	34.5	33.5	32.5	32.5	32	31.5	34	41.5	47	51																	

Daily Degree Hour Calculations									
Yearly Smoothed Temperatures (75% current, 25% prior)									
Date	Year	Month	Day	35	45	55	65	75	85
30-Nov-17 2017									
1-Oct-17	2017	10	1	73.3	72.7	71.4	70.7	69.8	68.8
2-Oct-17	2017	10	2	73.5	75.1	74.5	75.1	75.0	74.1
3-Oct-17	2017	10	3	74.1	75.2	75.0	76.5	74.3	75.1
4-Oct-17	2017	10	4	75.7	75.2	78.3	76.6	75.0	74.6
5-Oct-17	2017	10	5	76.2	75.7	74.4	73.7	72.8	73.0
6-Oct-17	2017	10	6	71.6	70.8	70.9	70.6	69.8	69.2
7-Oct-17	2017	10	7	71.8	71.9	72.0	73.2	73.4	75.0
8-Oct-17	2017	10	8	71.1	71.7	75.8	75.5	74.4	75.2
9-Oct-17	2017	10	9	71.6	76.4	75.3	77.1	76.5	77.5
10-Oct-17	2017	10	10	71.8	76.8	77.3	77.8	77.6	77.5
11-Oct-17	2017	10	11	67.6	66.2	66.3	64.7	64.5	65.6
12-Oct-17	2017	10	12	69.8	68.8	68.9	68.2	67.7	67.5
13-Oct-17	2017	10	13	74.3	74.4	73.1	73.4	73.0	77.4
14-Oct-17	2017	10	14	76.2	75.7	74.8	73.8	73.4	77.3
15-Oct-17	2017	10	15	73.8	73.6	72.8	72.4	72.5	73.6
16-Oct-17	2017	10	16	71.6	70.4	68.2	66.9	65.1	69.5
17-Oct-17	2017	10	17	62.7	58.9	57.1	56.3	55.7	55.4
18-Oct-17	2017	10	18	57.1	56.3	56.1	55.6	55.5	55.9
19-Oct-17	2017	10	19	65.4	65.1	65.0	66.1	66.4	66.5
20-Oct-17	2017	10	20	71.1	71.4	71.9	71.6	71.5	71.9
21-Oct-17	2017	10	21	73.7	73.6	73.1	73.0	73.0	73.4
22-Oct-17	2017	10	22	60.9	59.5	57.6	56.0	55.3	53.6
23-Oct-17	2017	10	23	60.9	59.5	57.6	56.0	55.3	53.6
24-Oct-17	2017	10	24	59.1	59.0	61.6	61.9	61.2	60.3
25-Oct-17	2017	10	25	57.5	54.5	51.1	49.9	48.9	48.2
26-Oct-17	2017	10	26	57.7	53.8	52.8	51.8	53.1	53.8
27-Oct-17	2017	10	27	64.9	63.7	65.9	65.2	65.1	65.4
28-Oct-17	2017	10	28	50.4	49.3	48.0	46.5	45.4	44.2
29-Oct-17	2017	10	29	45.2	43.9	41.7	40.2	39.1	38.6
30-Oct-17	2017	10	30	51.3	50.7	50.9	50.2	49.3	48.1
31-Oct-17	2017	10	31	64.1	64.3	64.2	64.4	64.0	65.0
1-Nov-17	2017	11	1	70.0	70.4	70.1	69.3	69.4	69.9
2-Nov-17	2017	11	2	75.4	74.7	74.5	74.1	73.7	73.2
3-Nov-17	2017	11	3	76.0	76.0	75.6	75.9	76.7	78.0
4-Nov-17	2017	11	4	74.5	73.8	73.6	71.6	71.0	71.8
5-Nov-17	2017	11	5	74.5	74.5	74.5	74.6	74.5	74.5
6-Nov-17	2017	11	6	77.0	76.6	75.8	75.2	75.0	74.3
7-Nov-17	2017	11	7	74.5	74.5	73.8	73.1	72.6	74.4
8-Nov-17	2017	11	8	67.0	65.5	64.4	63.0	62.6	62.5
9-Nov-17	2017	11	9	55.7	55.2	54.3	54.0	54.0	53.6
10-Nov-17	2017	11	10	52.4	51.3	50.7	49.8	50.0	49.6
11-Nov-17	2017	11	11	62.0	61.3	60.7	59.4	59.5	59.9
12-Nov-17	2017	11	12	62.9	62.2	62.4	62.1	62.2	62.1
13-Nov-17	2017	11	13	64.5	65.6	64.6	63.8	62.1	62.8
14-Nov-17	2017	11	14	62.1	62.3	62.3	60.2	59.8	60.1
15-Nov-17	2017	11	15	61.5	60.0	58.9	59.7	59.2	59.3
16-Nov-17	2017	11	16	68.7	68.2	68.0	68.0	68.0	68.0
17-Nov-17	2017	11	17	64.6	64.2	64.0	63.8	63.5	63.2
18-Nov-17	2017	11	18	71.1	71.0	70.6	70.5	70.9	70.6
19-Nov-17	2017	11	19	56.2	54.6	53.0	52.3	50.6	49.9
20-Nov-17	2017	11	20	47.9	47.2	47.1	45.5	45.5	45.5
21-Nov-17	2017	11	21	54.2	54.8	55.7	57.0	57.8	58.3
22-Nov-17	2017	11	22	60.1	60.0	60.1	59.3	58.3	58.1
23-Nov-17	2017	11	23	49.6	48.0	46.5	45.6	42.8	41.4
24-Nov-17	2017	11	24	45.2	45.0	43.9	43.6	43.1	42.7
25-Nov-17	2017	11	25	53.7	53.2	51.5	51.1	52.2	52.8
26-Nov-17	2017	11	26	59.6	59.2	57.5	57.1	56.7	56.8
27-Nov-17	2017	11	27	54.9	52.7	52.2	50.5	50.1	50.0
28-Nov-17	2017	11	28	53.3	51.6	48.1	50.4	50.5	50.9
29-Nov-17	2017	11	29	63.7	63.9	63.6	63.5	63.1	63.0

30-Nov-17	2017	11	30	579	576	560	545	530	534	535	557	601	649	691	720	739	751	758	752	728	677	649	612	603	571	559	549
1-Dec-17	2017	12	1	542	526	521	521	517	500	508	538	576	628	671	700	723	736	746	742	707	657	623	604	929	576	545	531
2-Dec-17	2017	12	2	528	526	521	501	508	513	503	523	581	640	681	718	747	759	767	758	730	692	661	641	628	422	508	583
3-Dec-17	2017	12	3	575	567	577	579	576	579	580	595	621	647	668	677	683	692	682	680	677	679	680	678	676	679	676	
4-Dec-17	2017	12	4	672	667	649	670	676	679	685	692	714	752	717	784	780	787	756	736	724	710	706	705	716	719	720	
5-Dec-17	2017	12	5	710	712	696	699	692	687	693	687	715	738	709	659	632	608	581	583	577	568	562	560	553	551	546	
6-Dec-17	2017	12	6	519	508	491	483	477	475	475	488	466	465	458	446	441	434	434	425	425	425	425	425	425	425	425	
7-Dec-17	2017	12	7	493	495	493	481	430	430	434	442	444	437	447	449	445	446	446	442	442	443	431	419	401	381	358	
8-Dec-17	2017	12	8	334	331	320	323	317	323	328	341	355	366	347	387	389	401	412	420	386	355	336	332	330	315	308	
9-Dec-17	2017	12	9	309	314	311	306	305	302	308	349	385	449	485	544	582	599	604	605	590	541	495	462	442	422	413	
10-Dec-17	2017	12	10	389	429	417	412	388	367	365	373	446	509	558	593	610	625	631	623	576	515	496	484	477	472	452	
11-Dec-17	2017	12	11	428	429	419	408	417	427	427	440	503	612	667	703	731	738	732	708	646	615	596	584	566	547	542	
12-Dec-17	2017	12	12	525	499	503	505	509	498	500	511	537	565	588	608	626	629	630	622	602	555	540	521	505	479	446	
13-Dec-17	2017	12	13	398	385	377	357	359	349	350	361	424	477	528	585	656	668	659	657	579	561	538	524	502	487	475	
14-Dec-17	2017	12	14	467	462	449	461	464	450	454	485	507	543	575	601	623	636	643	637	620	598	581	573	556	535	548	
15-Dec-17	2017	12	15	537	528	522	513	499	496	484	481	484	489	518	532	542	544	530	511	503	486	481	465	443	423	403	
16-Dec-17	2017	12	16	431	433	449	465	476	479	484	484	484	484	518	538	570	574	586	574	563	557	552	550	544	552	513	
17-Dec-17	2017	12	17	487	485	481	484	489	493	491	484	495	506	526	559	590	605	610	616	603	619	601	585	574	563	578	
18-Dec-17	2017	12	18	581	580	584	585	577	576	575	583	596	621	639	662	668	670	666	662	640	653	651	654	655	660	664	
19-Dec-17	2017	12	19	674	679	676	674	671	674	682	690	646	666	692	717	745	760	764	765	765	768	738	732	734	735	727	
20-Dec-17	2017	12	20	707	690	675	668	664	640	629	626	640	666	694	743	767	777	783	777	764	754	743	741	736	735	731	
21-Dec-17	2017	12	21	577	553	524	517	504	505	524	555	596	644	694	743	767	777	783	777	764	754	743	741	736	735	731	
22-Dec-17	2017	12	22	730	707	726	725	725	725	725	743	746	746	746	746	751	758	759	758	778	765	757	752	749	742	730	
23-Dec-17	2017	12	23	456	455	459	452	447	438	436	446	460	468	511	518	538	555	547	538	517	509	489	482	506	471	459	
24-Dec-17	2017	12	24	430	415	404	408	398	384	401	419	476	531	583	629	663	684	682	686	650	620	517	537	487	457	442	
25-Dec-17	2017	12	25	438	424	410	389	396	384	377	383	403	435	465	484	492	543	522	517	508	501	500	500	500	500	508	
26-Dec-17	2017	12	26	501	510	506	494	495	491	477	482	480	488	493	506	516	508	502	500	500	490	490	490	490	490	496	
27-Dec-17	2017	12	27	474	463	453	443	433	427	427	424	425	421	420	416	415	415	415	415	415	415	415	415	415	411	407	
28-Dec-17	2017	12	28	402	400	396	392	387	385	369	390	394	398	403	412	422	428	433	438	440	436	432	434	431	430	426	
29-Dec-17	2017	12	29	422	428	420	430	430	430	430	430	441	463	483	503	512	522	524	529	522	521	520	516	515	519	523	
30-Dec-17	2017	12	30	525	525	529	537	539	547	549	550	557	571	566	569	574	578	580	576	564	546	535	528	512	517	512	
31-Dec-17	2017	12	31	457	455	458	448	447	477	472	470	470	470	481	484	488	490	498	492	476	468	454	456	420	409	395	
1-Jan-18	2018	1	1	384	377	372	359	349	335	320	309	313	318	338	351	361	375	394	398	381	369	355	340	329	318	316	
2-Jan-18	2018	1	2	307	302	300	300	296	292	294	291	298	308	303	321	324	328	333	335	335	335	335	335	335	336	328	
3-Jan-18	2018	1	3	288	282	281	273	267	255	256	259	271	286	303	325	339	342	345	351	432	389	352	343	326	318	308	
4-Jan-18	2018	1	4	306	301	282	288	297	295	303	308	362	409	447	476	501	519	531	534	516	482	445	426	440	436	422	
5-Jan-18	2018	1	5	424	417	419	412	411	416	416	423	443	467	496	518	534	542	548	553	552	497	469	451	443	429	411	
6-Jan-18	2018	1	6	392	383	377	368	368	369	362	376	431	494	547	583	611	625	629	618	597	569	547	527	507	497	480	
7-Jan-18	2018	1	7	482	482	480	483	503	501	515	526	544	576	601	630	664	683	676	645	630	621	622	613	622	632	630	
8-Jan-18	2018	1	8	638	628	618	605	594	587	582	577	572	572	578	602	615	630	641	655	640	610	591	564	550	524	502	
9-Jan-18	2018	1	9	475	476	468	454	444	452	462	475	483	492	502	519	527	543	544	537	533	530	526	523	525	525	525	
10-Jan-18	2018	1	10	525	518	510	520	520	524	528	537	547	568	588	605	617	614	604	642	652	665	676	681	639	670	670	
11-Jan-18	2018	1	11	662	661	641	638	631	641	641	616	616	626	637	654	666	666	658	686	625	576	527	480	458	441	429	
12-Jan-18	2018	1	12	399	380	369	353	348	338	328	322	336	358	386	415	441	467	482	502	519	512	481	465	455	416	400	
13-Jan-18	2018	1	13	363	353	347	338	332	327	324	355	381	414	441	467	482	502	519	512	481	465	455	416	400	385	366	
14-Jan-18	2018	1	14	362	349	339	328	330	315	319	323	358	397	427	462	490	508	505	475	457	454	417	404	394	395	380	
15-Jan-18	2018	1	15	384	372	378	360	384	396	388	401	483	544	597	629	652	654	651	639	610	587	574	554	550	546	533	
16-Jan-18	2018	1	16	534	531	497	495	386	355	333	318	308	294	287	278	268	266	265	261	264	261	260	260	260	260	255	
17-Jan-18	2018	1	17	243	233	223	217	208	202	197	195	218	246	284	325	340	362	372	367	339	325	314	303	282	273	267	
18-Jan-18	2018	1	18	247	247	253	251	254	255	266	273	289	309	325	336	347	357	367	369	374	371	370	370	370	371	371	
19-Jan-18	2018	1	19	370	366	365	376	387	389	397	407	420	443	478	495	518	531	534	527	518	508	506	509	510	517	517	
20-Jan-18	2018	1	20	519	516	520	524	521	520	548	532	553	592	632	660	668	677	698	711	695	680	669	658	656	655	659	
21-Jan-18	2018	1	21	660	660	663	660	656	655	645	648	660	686	700	719	731	726	722	702	682	673	674	675	679	680	680	
22-Jan-18	2018	1	22	677	683	685	681	673	641	618	601	610	620	611	622	632	642	654	655	640	610	554	539	498	473	463	
23-Jan-18	2018	1	23	467	455	451	419	401	408	409	429	478	543	583	603	623	636	631	627	614	585	566	528	507	490	471	
24-Jan-18	2018	1	24	467	455	420	428	418	423	410	421	465	518	561	586	606	612	637	640	612	577	555	480	440	41		

[illegible]

9-Apr-18	2018	4	9	57.1	56.7	55.8	55.2	54.7	54.5	55.3	55.4	55.9	56.7	57.3	58.2	58.8	60.5	61.2	61.8	62.7	62.9	63.0	62.6	62.9	63.0	63.0	62.2	
10-Apr-18	2018	4	10	61.3	60.0	58.9	56.7	55.4	54.4	55.6	58.9	63.5	67.2	70.4	72.4	74.7	76.1	76.8	77.3	76.7	74.3	70.7	64.3	63.6	61.6	60.4	58.2	
11-Apr-18	2018	4	11	55.8	55.2	53.9	52.1	50.5	49.4	51.7	58.7	63.8	68.4	71.9	74.6	76.8	78.7	77.8	74.9	73.9	70.6	67.1	65.2	64.3	62.6	62.1		
12-Apr-18	2018	4	12	60.2	60.4	59.4	60.6	61.6	61.5	63.4	68.0	72.5	75.9	78.6	79.3	80.2	80.8	80.6	79.0	77.1	75.5	73.6	72.4	71.4	71.1	71.0		
13-Apr-18	2018	4	13	71.8	72.3	72.8	73.3	73.8	74.3	74.5	75.6	76.3	77.3	78.5	79.9	81.1	81.4	80.0	78.9	78.2	77.3	77.1	77.0	77.0	77.0	77.0	75.9	
14-Apr-18	2018	4	14	66.2	63.4	60.9	60.2	60.1	59.6	58.8	58.9	56.7	56.6	55.8	55.2	57.3	61.2	64.8	65.3	65.8	64.8	62.7	59.2	57.9	56.1	54.2	52.5	
15-Apr-18	2018	4	15	49.5	49.6	49.5	48.4	47.3	47.1	48.5	51.4	54.7	57.8	62.6	66.8	68.1	68.4	68.1	67.6	64.5	61.9	56.3	53.8	52.1	51.3			
16-Apr-18	2018	4	16	48.9	48.5	48.1	46.5	46.5	47.6	50.9	57.0	63.7	68.4	71.9	74.2	75.6	77.4	77.8	76.8	75.5	72.9	69.2	66.4	64.2	63.3	62.7	61.8	
17-Apr-18	2018	4	17	61.6	60.8	60.6	60.1	60.0	61.1	63.3	67.2	71.2	75.2	78.4	80.4	81.2	81.8	80.8	78.9	76.3	73.5	71.2	69.6	68.8	68.6	68.9		
18-Apr-18	2018	4	18	68.6	68.5	68.5	68.9	68.6	68.1	68.4	71.1	74.0	75.5	78.1	79.2	80.5	80.5	79.4	79.3	76.0	74.9	73.1	71.5	71.9	71.2			
19-Apr-18	2018	4	19	70.3	69.7	68.8	67.5	66.4	65.7	64.8	65.0	67.6	69.4	71.1	73.8	74.3	75.2	76.6	76.1	75.3	73.6	69.8	68.1	65.0	63.9	61.7	60.1	
20-Apr-18	2018	4	20	58.5	58.1	58.0	56.9	55.5	53.6	54.3	55.2	56.5	58.0	59.9	61.1	63.3	64.6	65.6	65.5	64.8	63.8	62.8	61.8	62.0	61.2	60.7		
21-Apr-18	2018	4	21	62.0	62.4	63.2	63.4	63.5	64.2	64.8	66.1	67.5	68.3	70.3	71.2	72.2	72.8	73.3	72.7	72.2	72.0	71.6	70.8	70.2	70.4	68.6	68.5	
22-Apr-18	2018	4	22	68.1	68.1	68.0	68.0	67.3	63.7	62.0	60.5	59.0	58.6	61.2	64.0	67.0	69.3	70.9	71.7	71.9	71.2	69.2	67.5	65.6	64.8	62.7	61.0	
23-Apr-18	2018	4	23	58.4	56.6	54.6	53.0	52.6	54.0	56.6	61.4	66.0	69.4	72.5	74.7	76.4	78.4	78.8	79.0	77.9	75.3	72.8	69.8	65.2	63.2	61.9		
24-Apr-18	2018	4	24	60.9	60.2	59.3	58.3	57.7	57.2	61.2	67.4	76.2	83.3	80.3	82.0	82.7	83.7	84.3	84.8	83.1	78.1	73.5	71.6	70.0	69.6	68.0		
25-Apr-18	2018	4	25	67.3	65.6	63.6	63.5	62.8	61.4	64.9	69.1	73.5	76.5	79.1	80.9	82.5	83.6	84.4	83.4	79.3	76.8	75.1	72.8	69.6	68.4	66.6		
26-Apr-18	2018	4	26	63.5	61.6	60.8	58.7	56.7	55.4	56.2	58.7	61.5	64.1	67.4	70.5	72.4	74.0	75.1	76.2	76.4	75.4	71.7	68.9	65.6	63.3	63.1	61.9	
27-Apr-18	2018	4	27	59.7	58.1	57.6	56.8	56.9	56.6	59.5	62.9	66.7	71.1	73.3	74.9	76.1	77.9	78.0	79.5	79.1	77.5	74.9	70.8	66.8	65.5	63.6	61.7	
28-Apr-18	2018	4	28	61.2	60.3	59.3	58.7	58.2	58.4	60.7	65.1	70.3	74.6	77.1	79.3	80.6	81.6	82.3	81.7	80.8	77.9	75.0	72.7	70.7	69.0	67.9	66.1	
29-Apr-18	2018	4	29	65.3	62.4	60.6	59.8	58.2	59.0	62.8	68.6	72.3	75.8	77.8	79.8	80.3	80.8	81.0	79.5	77.2	74.8	71.6	69.3	67.9	66.9	65.8	63.7	
30-Apr-18	2018	4	30	62.1	60.9	59.5	59.1	60.2	60.8	64.7	69.0	72.8	75.6	77.4	79.3	78.7	78.8	76.8	76.7	75.4	74.3	73.3	72.3	71.1	71.3	70.5	74.1	
1-May-18	2018	5	1	70.9	71.0	71.0	70.2	70.1	71.9	74.2	75.6	77.7	78.8	79.7	78.8	76.6	75.7	74.8	74.9	74.8	74.2	74.4	74.4	74.5	74.5	74.5	74.5	
2-May-18	2018	5	2	74.0	74.4	74.5	74.5	74.5	74.1	74.4	76.0	78.2	80.7	83.5	84.3	84.1	83.6	83.3	83.2	82.3	80.2	78.6	77.0	76.6	76.2	76.0	75.3	
3-May-18	2018	5	3	75.4	75.1	75.0	75.0	75.0	74.3	74.8	75.7	78.2	79.5	80.6	82.4	82.9	82.2	82.1	81.3	81.1	78.8	76.7	76.2	75.3	75.1	74.3	74.1	
4-May-18	2018	5	4	74.4	74.5	74.5	74.5	74.5	74.9	75.7	76.7	77.3	78.2	78.8	79.3	79.8	80.7	80.0	78.0	75.4	72.5	70.6	69.8	68.6	68.1	68.7	68.5	
5-May-18	2018	5	5	68.9	68.6	67.8	67.2	66.7	66.2	66.8	66.9	68.9	72.0	76.1	77.9	79.1	80.2	81.2	81.8	82.3	81.0	78.7	74.8	72.7	69.6	69.5	69.9	
6-May-18	2018	5	6	69.6	68.0	66.5	65.0	66.1	64.9	66.0	68.0	72.9	77.1	79.3	80.9	82.5	83.6	84.7	85.7	85.9	85.6	84.0	80.6	76.8	73.6	70.5	69.4	70.2
7-May-18	2018	5	7	69.3	68.7	67.4	66.4	65.3	65.5	68.9	73.5	77.6	80.0	84.0	85.5	87.4	88.2	89.0	89.0	86.4	82.7	79.9	77.7	75.7	74.4	73.0		
8-May-18	2018	5	8	71.5	69.6	68.4	67.4	66.3	65.3	69.2	73.6	77.6	81.3	83.7	85.2	87.9	89.1	89.8	88.8	87.1	85.5	82.5	79.9	77.0	75.1	72.8	71.4	
9-May-18	2018	5	9	70.4	68.6	67.8	65.7	65.2	65.4	68.1	72.5	77.0	80.8	83.9	85.1	86.9	88.5	88.1	86.9	85.9	83.7	80.6	77.5	74.9	73.1	71.5	70.4	
10-May-18	2018	5	10	69.7	67.7	66.4	66.9	67.0	65.1	69.2	73.9	78.1	81.8	84.8	86.0	86.7	86.6	85.4	84.7	82.7	79.9	77.0	75.0	73.1	71.3	71.3	73.5	
11-May-18	2018	5	11	72.7	72.6	71.8	71.6	71.5	71.3	73.8	76.9	80.0	83.1	85.5	86.6	87.3	87.1	85.9	85.6	83.3	80.8	78.7	77.4	76.7	75.8	75.6		
12-May-18	2018	5	12	75.1	74.7	74.5	74.5	73.8	73.6	75.4	78.1	80.0	82.0	84.1	85.5	86.6	87.3	86.7	86.2	86.0	83.8	80.9	78.7	77.4	76.7	75.3		
13-May-18	2018	5	13	74.3	74.5	74.0	73.7	72.8	71.8	74.6	78.3	82.2	84.7	86.0	86.7	88.7	89.7	87.2	86.7	84.7	81.5	78.3	77.9	77.2	76.3	75.3		
14-May-18	2018	5	14	74.3	73.7	72.4	71.4	71.0	74.4	77.5	80.1	83.4	85.0	86.9	88.1	89.1	89.4	88.4	87.0	84.0	81.4	78.8	77.5	76.9	74.9	73.8		
15-May-18	2018	5	15	73.2	71.9	70.9	69.5	67.2	67.4	71.2	75.6	78.9	81.7	83.8	85.6	89.5	91.0	92.5	92.9	91.8	88.2	85.3	80.2	78.6	77.0	76.9		
16-May-18	2018	5	16	74.8	73.8	73.2	71.9	69.7	69.2	72.4	75.9	79.3	81.7	83.8	85.6	89.5	91.0	92.5	92.9	91.8	88.2	85.6	80.2	78.2	76.5			
17-May-18	2018	5	17	75.0	73.9	73.2	72.7	72.2	72.0	74.3	77.8	81.3	84.1	86.6	89.2	90.9	92.9	94.1	94.0	94.4	93.3	89.7	85.8	84.1	81.4	78.8	77.5	
18-May-18	2018	5	18	76.0	74.9	74.2	73.3	73.1	73.8	75.4	77.7	81.7	85.2	86.2	87.9	88.4	88.8	90.1	88.9	87.5	85.6	82.5	80.3	78.9	78.6	78.5	78.5	
19-May-18	2018	5	19	76.2	75.7	75.2	74.7	74.5	74.9	76.8	79.2	82.8	85.2	86.2	87.9	88.4	88.8	90.1	88.9	87.5	85.6	82.5	80.3	78.9	78.6	78.5	78.5	
20-May-18	2018	5	20	77.8	76.4	75.0	74.6	73.8	75.1	77.3	80.8	82.8	83.7	84.7	84.9	84.6	83.0	82.6	81.4	80.7	76.8	72.1	70.9	70.2	70.4	70.1	70.0	
21-May-18	2018	5	21	69.6	70.3	70.4	70.9	71.0	71.0	72.1	75.4	78.9	79.7	79.6	81.8	83.8	82.8	81.8	79.3	76.1	72.6	71.8	71.2	71.4	71.5	71.1	70.7	
22-May-18	2018	5	22	70.2	70.0	70.0	70.0	70.0	72.6	75.9	79.4	82.1	81.6	82.3	84.7	84.2	82.5	82.1	80.5	80.3	78.5	76.8	75.8	74.5	73.7	72.8		
23-May-18	2018	5	23	72.3	72.1	71.6	71.2	71.0	72.1	75.8	79.3	80.6	78.6	75.2	77.3	77.1	78.9	80.8	81.3	80.3	80.5	78.6	77.0	75.5	74.4	73.3	73.8	
24-May-18	2018	5	24	72.8	72.6	72.1	72.0	72.0	72.4	73.2	76.4	79.5	82.5	85.1	86.5	88.0	86.9	85.5	85.9	83.7	81.7	79.3	77.9	77.2	75.2	75.0		
25-May-18	2018	5	25	73.1	72.7	71.8	72.0	72.4	75.8	79.3	81.7	83.8	86.2	87.2	88.2	85.4	83.2	84.6	86.0	85.6	83.7	81.7	80.4	79.7	78.8	78.2		
26-May-18	2018	5	26	77.3	77.1	76.3	75.7	75.2	74.7	77.2	79.7	82.5	83.6	85.4	87.4	88.3	90.4	90.5	91.4	90.7	90.2	87.4	84.1	81.8	78.7	77.0	76.3	
27-May-18	2018	5	27	69.9	69.2	69.4	69.1	69.4	69.1	69.4	69.1	69.4	69.1	69.4	69.1	69.4	69.1	69.4	69.1	69.4	69.1	69.4	69.1	69.4	69.1	69.4	69.1	
28-May-18	2018	5	28	75.3	74.7	74.2																						

13-Jun-18	2018	6	13	79.4	78.3	77.7	76.1	76.0	76.0	79.8	83.3	86.1	87.1	88.9	90.5	93.1	94.2	94.4	94.1	92.5	90.3	87.4	84.9	83.1	81.9	80.5	79.4	
14-Jun-18	2018	6	14	79.1	78.6	78.2	76.9	76.2	76.1	80.1	82.7	85.2	86.9	89.6	90.7	93.4	77.1	78.5	82.6	82.5	84.4	84.1	82.1	80.9	80.2	79.3	78.3	
15-Jun-18	2018	6	15	76.6	75.8	74.8	74.6	74.5	75.3	78.4	81.1	84.8	86.1	87.9	86.5	86.9	88.8	90.1	90.0	89.3	87.9	86.1	83.8	82.4	81.4	81.1	80.3	
16-Jun-18	2018	6	16	79.7	79.2	77.9	77.6	77.5	76.8	79.9	83.4	85.7	87.4	90.1	90.8	91.3	91.4	89.3	87.6	86.0	83.8	82.1	81.3	80.3	79.3	78.3	78.3	
17-Jun-18	2018	6	17	79.1	78.3	77.1	78.4	77.7	77.9	79.5	81.7	83.4	81.6	83.4	84.6	84.5	83.4	86.5	83.5	82.0	81.2	80.3	80.1	79.6	78.7	78.7	78.5	
18-Jun-18	2018	6	18	75.1	75.0	74.6	74.2	74.8	75.3	75.5	77.4	79.0	80.5	80.9	81.0	81.0	78.1	78.3	77.3	76.3	76.5	76.1	75.7	75.7	75.5	75.5	75.5	
19-Jun-18	2018	6	19	75.1	75.0	74.6	74.2	74.8	75.3	75.5	77.4	79.0	80.5	80.9	81.0	81.0	78.1	78.3	77.3	76.3	76.5	76.1	75.7	75.7	75.5	75.5	75.5	
20-Jun-18	2018	6	20	76.7	76.9	77.0	77.4	77.5	77.1	77.8	77.9	79.9	80.7	81.7	82.3	84.2	84.8	86.1	86.4	85.7	84.1	81.8	80.8	79.8	78.8	77.8	77.8	
21-Jun-18	2018	6	21	76.7	76.9	77.0	77.4	77.5	77.1	77.8	77.9	79.9	80.7	81.7	82.3	84.2	84.8	86.1	86.4	85.7	84.1	81.8	80.8	79.8	78.8	77.8	77.8	
22-Jun-18	2018	6	22	77.2	77.3	77.4	77.5	77.1	77.4	78.6	80.8	83.2	86.8	84.1	90.3	91.6	92.6	94.4	93.7	92.1	89.0	86.4	83.5	81.6	80.4	79.4	79.4	
23-Jun-18	2018	6	23	77.3	77.3	77.1	76.6	76.5	76.9	79.6	82.1	85.0	87.6	88.1	90.3	91.6	92.6	94.4	93.7	92.1	89.0	86.4	83.5	81.6	80.4	79.4	79.4	
24-Jun-18	2018	6	24	81.1	81.0	80.6	79.8	79.6	78.8	81.2	83.3	86.1	87.5	89.4	90.6	91.6	91.5	91.1	90.3	89.3	88.7	86.3	84.2	82.9	81.9	81.4	81.4	
25-Jun-18	2018	6	25	81.1	81.0	80.6	80.9	80.8	80.5	82.0	84.6	86.4	86.7	87.1	87.8	88.7	84.4	85.2	87.0	88.7	87.0	85.1	83.5	82.8	81.4	81.1	81.0	
26-Jun-18	2018	6	26	80.3	79.7	78.0	77.6	76.8	76.9	80.0	83.0	86.0	87.9	89.1	90.1	90.8	91.3	91.5	91.5	90.4	88.6	87.0	85.1	83.2	81.5	80.4	79.7	
27-Jun-18	2018	6	27	79.2	79.0	78.6	78.2	77.7	77.9	79.9	83.0	85.2	87.3	88.7	91.1	92.9	94.1	91.4	90.7	88.7	89.7	88.0	85.0	82.8	81.4	81.1	79.5	
28-Jun-18	2018	6	28	79.9	80.0	79.6	79.5	79.1	79.0	80.9	83.2	85.7	86.2	88.2	90.2	89.7	89.9	88.9	90.1	90.0	89.3	86.8	84.7	83.1	82.3	81.3	80.7	
29-Jun-18	2018	6	29	80.6	79.8	79.2	79.0	78.6	78.9	80.9	83.2	85.7	87.7	89.8	91.4	93.4	93.5	93.5	92.7	90.7	89.4	86.9	84.7	83.4	82.4	81.3	80.7	
30-Jun-18	2018	6	30	80.6	80.1	80.0	79.6	79.2	79.0	80.5	82.8	85.2	87.7	89.8	91.4	93.4	93.5	93.5	92.7	90.7	89.4	86.9	84.7	83.4	82.4	81.3	80.7	
1-Jul-18	2018	7	1	79.7	79.2	78.7	78.2	76.9	77.0	79.2	82.1	84.6	87.5	89.0	90.9	92.8	94.1	94.8	94.9	92.7	91.1	88.4	85.3	83.6	82.4	81.4	80.3	
2-Jul-18	2018	7	2	79.7	79.2	78.7	78.2	76.9	77.0	79.2	82.1	84.6	87.5	89.0	90.9	92.8	94.1	94.8	94.9	92.7	91.1	88.4	85.3	83.6	82.4	81.4	80.3	
3-Jul-18	2018	7	3	80.2	79.7	78.8	77.8	77.6	76.8	79.2	82.1	84.2	87.0	89.3	90.6	92.4	94.0	94.0	95.1	95.0	94.3	90.7	88.0	85.7	83.1	82.3	81.0	80.2
4-Jul-18	2018	7	4	76.4	76.8	76.2	76.8	77.3	77.1	77.0	75.9	74.5	73.7	73.6	73.1	73.4	73.9	75.1	75.8	77.1	77.8	77.2	75.9	74.9	73.7	73.3	73.5	
5-Jul-18	2018	7	5	73.5	73.9	74.3	74.1	73.6	73.9	76.6	79.9	83.4	85.3	87.3	89.0	87.9	85.7	85.2	87.7	89.8	88.5	84.7	81.6	78.1	77.3	76.7	76.3	
6-Jul-18	2018	7	6	76.5	75.4	75.1	75.8	75.6	75.9	77.8	80.2	81.9	84.6	87.5	88.6	90.0	90.4	90.5	89.7	89.2	86.0	83.4	82.3	81.0	77.2	76.3	76.3	
7-Jul-18	2018	7	7	76.5	76.5	76.1	75.7	75.9	76.0	77.9	81.0	84.0	86.2	86.8	88.2	89.4	90.6	88.7	86.7	85.0	82.8	81.1	79.5	78.4	77.1	77.6	77.9	
8-Jul-18	2018	7	8	77.6	77.2	77.0	76.3	76.4	76.1	77.2	80.0	82.3	83.9	81.4	77.7	76.8	76.6	77.3	78.2	78.8	80.1	79.6	78.4	77.0	77.4	76.7	76.2	
9-Jul-18	2018	7	9	76.8	76.9	76.2	76.1	76.0	76.4	78.0	79.1	81.3	82.6	84.8	85.3	81.3	78.5	80.4	82.3	85.1	85.4	83.2	80.4	79.1	78.3	77.7	77.2	
10-Jul-18	2018	7	10	76.7	76.2	75.7	75.5	75.5	75.1	77.7	81.3	83.3	85.5	88.4	90.0	90.0	89.2	89.8	90.3	90.1	89.6	87.3	84.1	83.3	82.3	81.0	80.2	
11-Jul-18	2018	7	11	79.3	78.7	78.2	77.3	77.1	77.4	78.2	81.1	84.0	85.5	87.4	89.3	91.0	92.9	93.3	94.2	92.2	90.5	87.9	85.7	84.1	83.3	82.3	81.7	
12-Jul-18	2018	7	12	80.8	79.8	79.6	79.1	79.0	79.0	79.8	81.8	83.8	86.2	88.7	89.9	91.4	93.0	92.2	92.1	88.6	86.7	85.4	82.5	81.0	80.2	80.1	79.3	
13-Jul-18	2018	7	13	84.8	80.6	79.8	79.2	77.9	77.6	80.0	82.6	85.2	88.0	88.8	91.0	91.4	91.5	91.9	89.8	90.3	90.1	88.1	85.4	84.4	83.3	82.3	81.7	
14-Jul-18	2018	7	14	80.7	80.2	79.7	79.5	79.5	79.4	80.7	83.2	86.0	88.3	90.3	92.3	92.3	91.3	91.3	91.3	90.6	89.0	86.8	85.1	83.1	81.9	80.5	80.5	
15-Jul-18	2018	7	15	79.7	79.2	79.0	77.9	77.6	78.8	81.6	84.9	87.2	89.7	91.0	92.5	94.0	94.8	94.3	94.2	93.3	91.2	88.1	85.4	83.6	81.6	80.4	80.4	
16-Jul-18	2018	7	16	79.7	79.2	79.0	77.9	77.6	78.8	81.6	84.9	87.2	89.7	91.0	92.5	94.0	94.8	94.3	94.2	93.3	91.2	88.1	85.4	83.6	81.6	80.4	80.4	
17-Jul-18	2018	7	17	79.4	78.7	78.2	78.0	78.0	77.6	78.7	80.0	82.6	85.2	87.3	88.9	90.9	93.2	93.8	95.1	95.4	94.1	91.4	87.7	86.1	84.1	81.8	80.1	
18-Jul-18	2018	7	18	81.3	80.7	79.8	79.6	79.1	78.7	80.0	82.6	85.2	87.3	88.9	90.9	93.2	93.8	95.1	95.4	94.1	91.4	87.7	86.1	84.1	81.8	80.1	80.1	
19-Jul-18	2018	7	19	80.9	80.2	80.1	80.0	79.6	79.5	80.6	82.4	84.7	87.2	89.3	91.3	93.0	95.2	96.2	96.4	96.1	94.9	92.4	89.8	87.0	84.7	83.1	82.3	
20-Jul-18	2018	7	20	80.9	80.2	80.1	80.0	79.6	79.5	80.6	82.4	84.7	87.2	89.3	91.3	93.0	95.2	96.2	96.4	96.1	94.9	92.4	89.8	87.0	84.7	83.1	82.3	
21-Jul-18	2018	7	21	81.3	80.7	80.5	80.1	80.4	80.1	81.2	82.9	85.6	87.8	89.8	91.5	92.9	94.5	96.0	96.7	97.7	97.2	96.7	93.9	91.4	88.5	85.5	84.0	82.5
22-Jul-18	2018	7	22	81.4	80.7	80.6	80.1	79.7	79.9	81.1	82.9	85.6	87.8	89.8	91.5	92.9	94.5	96.0	96.7	97.7	97.2	96.7	93.9	91.4	88.5	85.5	84.0	82.5
23-Jul-18	2018	7	23	81.4	80.7	80.6	80.5	80.9	80.6	80.5	82.4	85.5	88.5	91.5	92.6	94.8	97.2	98.5	98.3	99.4	98.4	94.7	90.4	88.0	86.5	85.4	85.4	
24-Jul-18	2018	7	24	84.7	83.8	84.0	83.6	83.5	83.1	84.2	85.2	86.2	86.8	86.9	87.4	90.1	91.5	93.0	93.8	93.5	92.8	89.6	84.6	81.9	80.1	78.5	77.8	
25-Jul-18	2018	7	25	78.0	78.4	77.7	77.2	77.0	77.0	79.6	83.3	86.1	89.0	91.3	93.3	94.2	95.2	95.0	95.0	94.3	93.3	90.5	87.1	84.8	82.7	82.2	80.9	
26-Jul-18	2018	7	26	78.7	78.9	78.2	77.3	76.3	76.1	79.4	82.8	85.6	88.5	91.2	93.3	94.6	96.0	96.8	98.1	96.5	95.0	92.4	89.1	86.4	84.6	83.8	82.1	
27-Jul-18	2018	7	27	80.1	79.3	77.6	76.8	76.5	76.5	78.8	82.3	85.8	88.9	91.9	93.8	95.5	97.0	97.4	97.1	95.5	93.3	90.1	87.0	84.8	83.4	82.4	81.0	
28-Jul-18	2018	7	28	80.6	80.2	79.7	79.2	79.0	77.9	79.5	82.5	85.1	87.7	89.2	92.3	94.3	96.3	96.5	96.5	95.4	92.8	90.0	87.0	85.1	84.3	82.6	81.8	
29-Jul-18	2018	7	29	81.3	81.1	80.3	80.1	79.6	79.5	81.0	83.6	86.5	88.4	90.3	92.7	94.1	95.9	97.1	97.4	97.5	94.1	90.7	87.9	86.1	84.9	83.9	83.2	
30-Jul-18	2018	7	30	82.3	82.1	82.0	81.6	81.9	81.2	82.2	83.2	84.5	86.4	88.4	90.3	91.2	92.6	94.8	95.3	95.1	93.9	89.1	87.5	85.6	84.8	84.2	84.0	83.3
31-Jul-18	2018	8	1	74.0	74.0	74.0	74.4	74.5	73.7																			

17-Aug-18	2018	8	17	80.8	80.2	79.7	79.9	78.9	77.8	79.5	82.9	85.2	87.3	89.7	91.4	92.6	94.8	95.7	94.8	93.1	90.8	88.7	86.3	84.6	83.8	82.4	81.7	0	0	0	0	502	334	147	23
18-Aug-18	2018	8	18	81.2	80.7	80.2	79.7	79.5	79.1	80.5	83.1	85.3	87.7	89.4	91.7	93.8	94.7	94.9	94.6	93.0	88.9	87.8	85.3	84.6	83.8	82.4	81.7	0	0	0	0	505	337	147	23
19-Aug-18	2018	8	19	81.2	80.7	80.5	79.8	79.6	79.1	80.9	84.0	85.9	87.8	90.6	92.8	94.1	94.4	95.2	95.4	93.7	92.9	87.8	85.3	84.6	83.8	82.4	81.7	0	0	0	0	519	351	160	30
20-Aug-18	2018	8	20	81.2	80.7	80.5	80.1	80.0	80.5	81.5	84.6	86.2	88.2	90.8	92.8	94.6	96.0	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	0	0	0	0	499	331	139	12
21-Aug-18	2018	8	21	81.3	81.1	81.0	80.6	80.5	80.9	83.5	86.1	88.6	90.8	92.8	94.6	96.0	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	0	0	0	0	499	331	139	12
22-Aug-18	2018	8	22	83.5	82.4	81.3	81.1	80.8	80.4	82.0	85.8	88.9	90.7	93.2	94.1	96.8	97.7	97.9	98.0	96.5	92.4	88.3	85.8	84.5	83.8	82.3	81.3	0	0	0	0	552	384	192	48
23-Aug-18	2018	8	22	83.5	81.4	80.3	80.1	80.8	80.2	80.8	82.8	85.8	87.1	88.5	90.2	92.5	94.2	94.1	93.3	91.2	88.4	86.2	84.6	83.8	82.3	81.8	0	0	0	0	505	337	145	19	
24-Aug-18	2018	8	24	80.2	79.3	78.7	78.4	78.5	77.4	78.2	81.8	84.2	87.1	89.6	90.7	92.0	94.6	94.9	93.9	92.5	90.6	87.9	85.4	84.3	83.3	82.7	82.2	0	0	0	0	487	319	138	19
25-Aug-18	2018	8	25	80.2	79.3	78.7	77.8	76.8	77.3	78.5	83.0	85.0	89.0	91.3	93.3	94.2	94.4	94.5	93.7	91.3	89.2	86.8	85.1	83.9	83.2	82.7	81.0	0	0	0	0	491	319	143	23
26-Aug-18	2018	8	26	79.9	79.6	79.1	78.7	78.5	78.1	79.9	83.4	85.3	88.3	91.8	90.8	92.1	92.0	91.6	89.3	89.1	87.1	85.9	84.5	83.4	82.3	82.1	81.3	0	0	0	0	475	307	121	8
27-Aug-18	2018	8	27	80.7	79.4	78.4	78.5	78.9	79.7	83.7	85.8	88.2	89.5	89.9	90.3	90.1	92.6	86.4	87.7	87.2	85.5	84.4	83.3	82.3	82.1	81.3	0	0	0	0	467	289	114	3	
28-Aug-18	2018	8	28	81.2	81.0	80.3	79.3	79.8	78.5	79.6	82.9	85.8	88.2	89.9	91.1	90.7	87.5	86.4	86.1	86.8	85.8	84.5	83.7	83.2	81.5	80.8	80.6	0	0	0	0	485	287	98	2
29-Aug-18	2018	8	29	80.5	79.8	78.4	78.1	78.0	77.3	78.9	82.7	85.6	85.9	80.0	77.4	76.7	78.4	80.7	82.1	82.0	80.5	78.6	77.8	76.8	75.8	75.6	0	0	0	0	350	182	22	0	
30-Aug-18	2018	8	30	75.5	75.1	74.3	74.1	74.0	74.0	76.6	80.7	81.3	86.7	86.5	88.0	89.1	90.5	91.3	90.7	89.8	84.1	85.4	83.6	81.6	80.0	79.3	78.3	0	0	0	0	418	250	96	2
31-Aug-18	2018	8	31	77.7	77.2	77.0	76.3	76.1	76.4	78.3	82.6	85.5	86.6	88.8	91.6	93.4	92.7	92.6	93.3	91.2	89.2	86.8	84.7	83.0	81.5	80.0	80.0	0	0	0	0	462	294	123	15
1-Sep-18	2018	9	1	79.3	79.4	78.4	78.5	78.5	77.7	78.3	79.6	81.4	84.8	88.3	88.1	88.0	88.4	89.2	87.6	85.3	81.7	80.0	80.0	79.6	78.9	78.6	0	0	0	0	410	242	63	0	
2-Sep-18	2018	9	2	78.8	78.6	78.1	78.4	78.1	78.0	78.4	78.5	78.1	78.0	78.0	79.5	80.6	82.0	82.0	80.5	79.0	78.3	77.7	77.2	77.4	77.5	77.5	0	0	0	0	328	160	5	0	
3-Sep-18	2018	9	3	77.5	77.5	77.1	77.4	77.1	77.0	76.5	75.8	76.3	76.1	76.4	75.7	75.6	77.5	78.3	78.1	78.0	77.6	77.5	77.5	76.8	76.6	76.5	0	0	0	0	287	119	0	0	
4-Sep-18	2018	9	4	76.5	76.5	76.9	77.0	76.6	76.2	76.0	77.5	79.8	80.7	83.9	84.7	86.8	86.2	84.9	85.0	84.2	83.3	81.6	81.1	80.3	79.7	79.5	78.4	0	0	0	0	373	205	43	0
5-Sep-18	2018	9	5	78.5	78.5	78.5	78.1	78.0	78.0	78.8	79.7	82.2	85.0	85.4	87.0	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	0	0	0	0	431	263	83	0
6-Sep-18	2018	9	6	78.3	78.1	78.0	78.0	78.0	77.3	78.5	82.3	83.6	85.8	85.9	86.4	88.0	88.0	87.2	87.8	86.1	84.9	83.8	81.7	80.4	80.5	79.0	78.6	0	0	0	0	416	248	72	0
7-Sep-18	2018	9	7	78.2	78.4	78.5	78.1	77.3	76.7	77.3	80.4	82.7	85.2	86.5	87.6	84.5	87.1	88.9	88.6	86.3	84.2	82.9	81.5	80.7	79.8	79.2	0	0	0	0	415	247	72	0	
8-Sep-18	2018	9	8	78.3	78.1	77.3	76.7	75.7	77.0	80.4	83.1	85.3	87.3	86.7	89.6	89.5	90.6	90.9	89.5	86.1	82.7	78.9	78.9	79.0	78.6	77.8	0	0	0	0	415	247	82	2	
9-Sep-18	2018	9	9	77.2	76.7	76.0	76.4	75.7	76.7	80.3	83.4	85.4	87.0	85.5	81.7	75.9	75.6	76.3	77.9	78.4	77.3	76.3	75.7	75.2	75.0	75.4	0	0	0	0	317	149	23	0	
10-Sep-18	2018	9	10	75.5	75.1	75.0	75.0	75.4	75.5	76.2	77.9	79.1	76.8	75.8	74.1	75.5	77.0	77.8	78.7	78.2	76.9	75.9	75.2	75.1	75.0	75.4	0	0	0	0	267	99	0	0	
11-Sep-18	2018	9	11	75.1	74.3	73.7	73.2	73.8	74.3	74.1	74.8	75.3	77.3	78.6	79.3	78.3	77.7	77.9	77.6	77.2	77.0	76.3	76.1	76.0	75.6	75.9	76.0	0	0	0	0	265	97	0	0
12-Sep-18	2018	9	12	75.6	75.9	76.4	76.5	76.5	75.7	75.9	77.1	78.9	81.2	82.6	83.6	84.7	83.4	82.7	81.8	80.5	79.4	78.7	78.2	77.7	77.2	76.7	0	0	0	0	333	165	20	0	
13-Sep-18	2018	9	13	76.5	76.9	76.2	75.7	75.5	75.1	75.4	77.0	78.9	80.5	81.5	82.3	81.6	81.5	81.3	81.3	80.3	79.3	78.3	78.1	77.6	77.9	0	0	0	0	0	334	166	16	0	
14-Sep-18	2018	9	14	76.5	76.1	75.7	75.5	75.1	75.0	75.4	75.5	75.9	76.6	81.9	84.6	86.8	88.1	88.8	89.3	88.3	88.8	87.5	85.2	82.1	80.1	79.3	77.9	0	0	0	0	272	104	0	0
15-Sep-18	2018	9	15	76.0	75.6	75.5	75.1	74.7	74.5	75.3	78.1	80.3	84.2	87.0	88.1	90.3	91.6	93.0	92.4	89.5	88.5	85.0	83.1	82.3	81.5	80.1	0	0	0	0	392	224	71	0	
16-Sep-18	2018	9	16	73.5	74.4	77.5	77.1	77.0	76.6	76.9	79.2	82.4	85.5	88.1	90.6	91.9	92.3	93.6	94.3	94.0	91.7	85.9	84.1	83.7	83.2	81.5	81.1	0	0	0	0	447	286	97	7
17-Sep-18	2018	9	17	80.3	79.9	79.2	79.1	79.0	78.6	79.3	82.1	84.6	87.2	90.0	91.9	92.3	93.6	94.3	94.0	91.7	85.9	84.1	83.7	83.2	81.5	81.1	0	0	0	0	1	447	286	123	18
18-Sep-18	2018	9	18	80.3	79.7	78.4	78.1	77.3	77.1	77.8	80.6	83.5	86.5	88.8	90.4	91.7	92.6	91.8	91.2	89.9	87.2	84.6	82.6	81.8	80.1	79.3	77.9	0	0	0	0	494	326	139	20
20-Sep-18	2018	9	20	80.2	77.1	77.0	77.4	77.1	77.0	78.1	81.1	84.5	86.0	87.5	87.1	84.8	84.9	83.1	83.8	83.6	82.8	82.2	81.7	80.4	80.9	81.0	80.6	0	0	0	0	449	281	104	7
21-Sep-18	2018	9	21	80.2	80.4	80.5	80.1	80.0	80.4	80.5	81.6	84.2	84.4	86.7	86.6	85.0	85.5	79.4	79.5	79.5	82.8	81.7	80.4	80.9	81.0	80.6	0	0	0	0	397	229	56	0	
22-Sep-18	2018	9	22	79.5	79.9	80.0	79.6	79.9	78.9	79.3	79.5	78.0	79.5	81.7	84.2	82.7	76.9	75.9	75.2	75.4	75.5	75.9	76.0	76.4	76.8	76.2	0	0	0	0	328	160	13	0	
23-Sep-18	2018	9	23	75.3	73.6	72.4	71.7	71.9	71.6	71.2	71.8	74.2	76.3	79.1	81.3	82.2	83.2	82.9	82.3	80.9	79.5	78.0	77.2	76.3	76.1	74.9	79.5	0	0	0	0	340	176	52	0
24-Sep-18	2018	9	24	72.4	71.7	71.6	71.9	71.2	70.7	71.3	75.2	78.8	81.2	83.5	85.8	87.1	87.8	87.9	86.9	84.3	81.8	80.8	78.8	77.8	76.5	0	0	0	0	0	371	203	49	0	
25-Sep-18	2018	9	25	76.1	75.7	75.2	75.4	75.5	74.7	76.4	78.0	82.4	80.7	81.3	83.7	85.8	87.8	88.6	88.3	84.2	81.2	80.9	79.9	79.6	79.1	78.3	0	0	0	0	0	334	166	21	0
26-Sep-18	2018	9	26	77.3	77.5	77.1	75.9	74.9	75.0	76.9	79.6	82.5	85.1	86.9	88.2	81.2	81.0	80.6	79.4	79.1	77.5	77.9	77.6	76.8	76.9	77.0	0	0	0	0	0	229	65	0	0
28-Sep-18	2018	9	28	70.3	69.7	69.6	69.5	69.5	70.3	70.8	72.1	73.9	75.8	77.8	79.5	79.9	80.0	81.5</																	

[illegible]

25-Dec-18	2018	25	59.8	58.8	59.0	59.7	60.3	60.8	61.0	61.4	61.8	63.5	65.0	66.9	68.5	68.9	69.7	69.6	68.4	65.8	64.1	62.9	62.6	62.1	62.4	62.1	0	0	0	58	23	0	0
26-Dec-18	2018	12	26	62.4	62.9	63.0	62.6	62.5	62.9	64.1	65.5	66.6	66.9	68.1	66.6	66.5	66.6	66.6	66.4	66.1	66.8	67.3	68.2	68.4	69.2	69.8	0	0	0	17	37	0	0
27-Dec-18	2018	12	27	71.1	71.8	71.6	68.5	58.8	55.2	56.2	57.2	58.2	68.7	66.9	67.6	68.7	69.6	67.6	62.7	58.9	57.7	56.8	57.0	56.2	55.7	0	0	0	99	47	0	0	
28-Dec-18	2018	12	28	54.6	51.8	50.4	49.0	47.9	47.7	46.7	50.2	52.7	56.3	57.9	59.9	60.7	60.6	59.8	59.2	58.7	57.8	57.2	56.3	55.3	54.3	0	0	0	55	256	0	0	
29-Dec-18	2018	12	29	53.3	52.6	50.4	50.2	48.7	49.9	49.9	49.6	50.3	50.4	50.2	50.4	50.1	50.0	50.0	49.6	49.2	49.0	48.3	47.7	0	0	0	0	0	117	357	0	0	
30-Dec-18	2018	12	30	47.3	47.1	47.0	46.6	46.5	46.5	45.8	46.3	46.1	46.4	46.8	47.3	48.2	48.4	48.5	48.5	48.9	48.6	48.5	48.5	48.9	0	0	0	0	179	419	0	0	
31-Dec-18	2018	12	31	49.3	49.8	50.0	50.7	49.1	47.1	47.0	47.4	48.6	49.6	50.7	51.7	53.0	54.2	52.2	51.7	56.3	54.2	52.2	51.7	50.0	48.5	47.0	46.6	0	106	341	0	0	
1-Jan-19	2019	1	1	45.8	44.4	44.5	43.0	42.6	42.9	43.7	44.9	54.4	59.0	61.2	63.3	63.8	64.0	63.2	62.3	61.3	60.7	60.2	59.7	54.8	57.8	57.2	0	0	96	254	0	0	
2-Jan-19	2019	1	2	56.7	56.2	55.7	53.8	52.8	51.8	51.1	51.1	50.6	50.9	51.0	51.4	51.5	51.9	52.3	52.8	53.0	53.0	53.4	54.2	55.2	0	0	0	54	291	0	0		
3-Jan-19	2019	1	3	56.2	56.4	55.7	55.6	55.5	55.1	53.8	50.6	47.5	46.0	44.9	45.3	47.3	48.2	47.2	47.8	46.4	45.0	43.9	42.8	40.9	39.9	0	0	182	398	0	0		
4-Jan-19	2019	1	4	39.2	39.1	37.9	38.3	38.1	37.6	37.9	40.6	47.1	52.5	56.9	59.1	63.5	66.9	68.9	70.0	61.1	60.1	63.4	58.5	54.5	51.4	0	0	13	193	411	0	0	
5-Jan-19	2019	1	5	44.9	43.8	41.4	41.1	39.9	39.6	40.6	47.7	53.5	59.1	63.5	66.9	68.9	70.0	69.1	63.4	59.3	56.5	54.6	52.3	50.9	51.4	0	0	1	126	289	21	0	
6-Jan-19	2019	1	6	48.2	48.4	47.2	47.4	48.2	47.7	47.5	47.1	53.8	58.9	66.0	68.4	70.2	70.8	71.3	70.3	69.3	67.6	65.3	63.9	62.9	61.1	59.9	60.3	0	57	169	35	0	
7-Jan-19	2019	1	7	60.5	60.3	61.0	60.6	60.9	61.0	61.7	63.4	65.4	67.7	70.8	73.3	72.7	71.1	69.5	68.6	67.4	66.4	65.0	63.1	0	0	0	0	0	36	88	6	0	
8-Jan-19	2019	1	8	61.9	60.5	59.0	59.4	58.0	57.6	56.8	57.7	62.8	67.1	71.1	74.0	75.5	75.9	71.3	76.3	74.6	71.9	70.5	68.6	66.3	64.9	63.9	63.2	0	0	54	89	21	0
9-Jan-19	2019	1	9	63.9	61.6	60.8	59.1	57.9	56.8	55.5	54.4	55.2	56.2	58.3	59.5	63.0	63.7	66.2	61.2	57.7	56.0	54.1	52.2	50.5	49.4	47.2	0	0	22	183	0	0	
10-Jan-19	2019	1	10	47.1	46.6	45.4	44.4	43.3	42.6	43.7	48.0	52.9	56.0	58.2	59.2	59.4	60.5	60.1	57.8	55.7	53.7	52.4	50.1	50.1	48.1	0	0	0	113	321	0	0	
11-Jan-19	2019	1	11	46.8	46.3	45.9	45.6	45.5	45.5	44.9	50.1	50.4	55.0	59.1	62.4	64.4	66.0	66.1	62.5	61.8	61.2	60.3	59.3	59.1	59.4	60.2	0	0	75	221	2	0	
12-Jan-19	2019	1	12	60.8	61.3	62.2	61.7	61.5	61.5	60.8	61.7	62.3	63.6	65.4	66.2	65.5	64.4	62.6	59.5	57.3	55.5	52.9	50.3	49.0	47.9	0	0	0	20	122	3	0	
13-Jan-19	2019	1	13	46.8	45.5	44.1	44.7	43.4	42.0	42.8	45.2	47.7	49.8	51.8	54.2	56.3	57.6	58.6	57.4	54.1	51.8	50.4	48.0	47.5	45.6	44.4	0	0	156	386	0	0	
14-Jan-19	2019	1	14	46.0	45.2	41.3	40.0	39.2	38.1	38.3	39.2	41.7	44.5	46.8	49.2	50.9	52.5	54.6	55.0	52.3	50.9	48.1	48.3	47.5	46.3	0	0	4	202	442	0	0	
15-Jan-19	2019	1	15	46.1	45.6	45.5	45.1	44.3	44.1	44.0	44.4	45.8	45.7	46.2	50.9	52.5	53.6	53.5	53.1	52.3	52.1	51.1	50.6	50.5	50.5	0	0	0	152	392	0	0	
16-Jan-19	2019	1	16	50.1	50.2	50.9	51.0	51.3	51.6	52.7	54.1	55.5	58.1	59.8	60.4	59.2	57.6	57.5	57.5	58.3	58.4	58.5	59.2	60.0	0	0	0	0	32	219	0	0	
17-Jan-19	2019	1	17	61.3	62.2	62.8	62.9	63.0	63.0	62.6	61.4	60.7	60.9	61.4	63.3	64.6	66.8	68.1	68.8	67.4	64.5	61.9	60.1	58.9	56.7	57.3	56.3	0	0	74	11	0	0
18-Jan-19	2019	1	18	55.7	54.5	55.8	57.1	58.1	58.4	59.8	59.7	60.7	62.4	64.0	65.9	67.8	69.5	69.9	70.3	70.5	69.7	69.6	70.3	70.4	70.5	70.9	0	0	0	79	55	0	0
19-Jan-19	2019	1	19	50.6	50.5	68.3	65.9	62.9	60.7	55.7	52.9	50.1	48.3	47.7	49.4	50.2	51.2	51.4	50.4	48.6	47.0	45.9	44.5	43.0	41.5	39.6	0	0	124	310	14	0	
20-Jan-19	2019	1	20	38.4	37.4	36.7	35.8	34.8	33.8	33.3	34.6	37.5	40.1	43.4	46.5	49.5	51.0	52.5	52.5	49.5	48.5	43.9	42.1	40.9	39.8	39.2	0	0	46	327	567	0	
21-Jan-19	2019	1	21	37.9	37.6	36.8	36.6	36.9	37.7	38.7	39.7	40.2	40.9	42.3	45.2	48.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	0	0	18	155	332	0	
22-Jan-19	2019	1	22	60.7	61.2	62.9	63.3	63.4	63.8	65.1	66.9	68.5	70.3	71.8	72.0	71.6	70.8	69.4	68.7	67.1	67.0	67.0	67.0	67.0	67.0	67.0	0	0	0	20	62	0	0
23-Jan-19	2019	1	23	56.3	54.5	48.9	38.7	44.3	41.8	39.7	38.8	37.0	38.0	38.0	38.0	40.1	41.9	44.6	46.8	46.2	44.9	43.9	42.5	42.1	41.7	40.4	38.6	0	0	287	545	0	0
24-Jan-19	2019	1	24	37.6	31.9	33.9	32.8	32.6	32.1	31.7	33.4	39.5	45.1	49.5	52.5	54.8	56.4	57.2	58.2	56.9	53.2	49.3	48.0	46.5	45.4	42.8	41.4	0	0	53	284	495	0



Normal Daily Weather

Weather Station
Temperature Smoothing Method
Averaging Method for Daily Normals
Days Averaged

IAHOU
XA26
Centered MA
15

Number of Years: 10
Start Year: 2007
End Year: 2016

ANNUAL:				1,217.9	3,404.6	753.8	11,675.2	32,374.6	78,389.6	41,040.2	12,316.3	703.8
				Average	Average	Average	Average	Average	Average	Average	Average	Average
				Centered MA	Centered MA	Centered MA	Centered MA	Centered MA	Centered MA	Centered MA	Centered MA	Centered MA
				HDD65	CDD65	HDH40	HDH55	HDH65	CDH65	CDH72	CDH80	CDH90
Date	M	D	JD	1	2	5	6	7	8	9	10	11
1_1	1	1	1	12.22	0.70	8.11	130.95	302.87	22.36	2.85	0.00	0.00
1_2	1	2	2	12.46	0.66	8.78	134.58	308.49	21.02	2.61	0.00	0.00
1_3	1	3	3	12.68	0.62	9.53	137.96	313.73	19.77	2.39	0.00	0.00
1_4	1	4	4	12.85	0.57	10.24	140.69	317.99	18.48	2.16	0.00	0.00
1_5	1	5	5	12.98	0.52	10.92	142.75	321.16	17.33	1.94	0.00	0.00
1_6	1	6	6	13.05	0.49	11.56	144.21	323.37	16.39	1.74	0.00	0.00
1_7	1	7	7	13.09	0.45	12.08	145.03	324.71	15.60	1.56	0.00	0.00
1_8	1	8	8	13.14	0.40	12.82	146.01	326.18	14.31	1.23	0.00	0.00
1_9	1	9	9	13.13	0.36	12.92	146.09	326.44	13.58	1.05	0.00	0.00
1_10	1	10	10	13.14	0.33	12.89	146.10	326.74	12.95	0.89	0.00	0.00
1_11	1	11	11	13.12	0.31	12.77	145.76	326.58	12.53	0.78	0.00	0.00
1_12	1	12	12	13.07	0.30	12.54	144.75	325.51	12.37	0.73	0.00	0.00
1_13	1	13	13	12.98	0.30	12.24	143.14	323.74	12.28	0.70	0.00	0.00
1_14	1	14	14	12.88	0.29	11.92	141.12	321.48	12.23	0.70	0.00	0.00
1_15	1	15	15	12.75	0.29	11.65	139.01	318.77	12.33	0.71	0.00	0.00
1_16	1	16	16	12.59	0.29	11.35	136.47	315.30	12.50	0.71	0.00	0.00
1_17	1	17	17	12.40	0.29	10.94	133.31	310.90	12.69	0.72	0.00	0.00
1_18	1	18	18	12.19	0.30	10.41	130.03	306.13	12.96	0.73	0.00	0.00
1_19	1	19	19	11.99	0.30	10.01	127.04	301.51	13.37	0.76	0.00	0.00
1_20	1	20	20	11.82	0.32	9.71	124.50	297.45	13.84	0.80	0.00	0.00
1_21	1	21	21	11.69	0.34	9.54	122.56	294.20	14.25	0.82	0.00	0.00
1_22	1	22	22	11.59	0.35	9.48	121.14	291.69	14.68	0.86	0.00	0.00
1_23	1	23	23	11.50	0.36	9.50	119.99	289.53	15.05	0.89	0.00	0.00
1_24	1	24	24	11.41	0.38	9.67	118.84	287.36	15.43	0.93	0.00	0.00
1_25	1	25	25	11.27	0.39	9.80	117.24	284.36	15.89	0.97	0.00	0.00
1_26	1	26	26	11.15	0.41	9.95	115.67	281.36	16.34	1.01	0.00	0.00
1_27	1	27	27	11.06	0.43	10.28	114.87	279.11	16.82	1.04	0.00	0.00
1_28	1	28	28	11.01	0.45	10.74	114.91	277.85	17.32	1.07	0.00	0.00
1_29	1	29	29	10.99	0.46	11.19	115.26	277.05	17.72	1.09	0.00	0.00
1_30	1	30	30	10.98	0.47	11.53	115.66	276.75	17.86	1.09	0.00	0.00
1_31	1	31	31	10.95	0.48	11.75	115.95	276.36	18.04	1.09	0.00	0.00
2_1	2	1	32	11.00	0.61	12.30	118.63	278.20	20.27	1.38	0.00	0.00
2_2	2	2	33	11.02	0.61	12.67	119.47	278.91	20.26	1.36	0.00	0.00
2_3	2	3	34	11.03	0.61	12.84	120.05	279.48	20.18	1.35	0.00	0.00
2_4	2	4	35	10.99	0.60	12.82	119.81	278.97	20.09	1.34	0.00	0.00
2_5	2	5	36	10.91	0.60	12.60	118.82	277.33	20.04	1.33	0.00	0.00
2_6	2	6	37	10.77	0.60	12.30	117.05	274.35	20.01	1.30	0.00	0.00
2_7	2	7	38	10.58	0.62	11.93	114.55	270.00	20.32	1.31	0.00	0.00
2_8	2	8	39	10.37	0.63	11.51	111.73	265.05	20.77	1.33	0.00	0.00
2_9	2	9	40	10.20	0.66	11.18	109.40	260.69	21.25	1.38	0.00	0.00
2_10	2	10	41	10.01	0.69	10.86	107.28	256.37	21.81	1.45	0.00	0.00
2_11	2	11	42	9.79	0.71	10.36	104.52	251.39	22.39	1.53	0.00	0.00
2_12	2	12	43	9.54	0.73	9.74	101.06	245.52	23.05	1.63	0.00	0.00

2_13	2	13	44	9.28	0.77	9.05	97.34	239.24	23.96	1.78	0.00	0.00
2_14	2	14	45	8.98	0.82	8.35	93.41	232.27	25.16	1.96	0.00	0.00
2_15	2	15	46	8.68	0.89	7.73	89.27	224.72	26.73	2.24	0.00	0.00
2_16	2	16	47	8.38	0.97	7.08	85.04	217.15	28.51	2.55	0.00	0.00
2_17	2	17	48	8.06	1.07	6.34	80.59	209.24	30.46	2.90	0.00	0.00
2_18	2	18	49	7.78	1.15	5.73	76.44	201.77	32.46	3.25	0.00	0.00
2_19	2	19	50	7.52	1.25	5.25	72.92	195.24	34.38	3.61	0.00	0.00
2_20	2	20	51	7.31	1.34	4.90	70.08	189.68	36.28	3.97	0.00	0.00
2_21	2	21	52	7.16	1.42	4.62	68.03	185.61	38.02	4.33	0.00	0.00
2_22	2	22	53	7.07	1.48	4.38	66.83	183.32	39.38	4.66	0.00	0.00
2_23	2	23	54	7.01	1.53	4.18	66.05	181.69	40.76	4.98	0.00	0.00
2_24	2	24	55	6.93	1.59	3.96	64.85	179.59	42.12	5.29	0.00	0.00
2_25	2	25	56	6.85	1.64	3.68	63.33	177.27	43.38	5.57	0.00	0.00
2_26	2	26	57	6.76	1.70	3.47	61.85	174.99	44.60	5.85	0.00	0.00
2_27	2	27	58	6.67	1.76	3.31	60.43	172.63	45.76	6.10	0.00	0.00
2_28	2	28	59	6.57	1.80	3.18	58.89	170.10	46.76	6.29	0.00	0.00
2_29	2	29	60	6.52	1.81	3.24	55.89	168.21	47.84	6.80	0.03	0.00
3_1	3	1	61	6.46	1.81	3.17	55.03	166.99	48.07	6.89	0.04	0.00
3_2	3	2	62	6.38	1.82	3.17	54.17	165.51	48.39	7.03	0.06	0.00
3_3	3	3	63	6.26	1.84	3.07	52.87	163.15	49.06	7.25	0.08	0.00
3_4	3	4	64	6.10	1.88	2.85	51.04	159.81	49.92	7.50	0.10	0.00
3_5	3	5	65	5.91	1.94	2.61	48.74	155.68	51.00	7.78	0.12	0.00
3_6	3	6	66	5.67	2.00	2.35	46.05	150.57	52.31	8.08	0.14	0.00
3_7	3	7	67	5.38	2.08	2.07	42.84	144.23	53.95	8.44	0.16	0.00
3_8	3	8	68	5.09	2.15	1.80	39.49	137.50	55.64	8.83	0.18	0.00
3_9	3	9	69	4.80	2.23	1.54	36.36	131.09	57.31	9.24	0.21	0.00
3_10	3	10	70	4.53	2.32	1.33	33.58	125.03	59.14	9.70	0.22	0.00
3_11	3	11	71	4.27	2.41	1.15	31.08	119.31	61.11	10.22	0.26	0.00
3_12	3	12	72	4.02	2.52	0.98	28.75	113.75	63.42	10.85	0.28	0.00
3_13	3	13	73	3.78	2.62	0.81	26.60	108.37	65.85	11.53	0.32	0.00
3_14	3	14	74	3.56	2.73	0.66	24.44	103.04	68.21	12.14	0.33	0.00
3_15	3	15	75	3.30	2.85	0.50	22.15	97.21	70.86	12.75	0.33	0.00
3_16	3	16	76	3.07	2.99	0.34	20.00	91.65	73.81	13.49	0.34	0.00
3_17	3	17	77	2.85	3.12	0.19	17.99	86.35	76.71	14.22	0.35	0.00
3_18	3	18	78	2.67	3.24	0.09	16.34	81.67	79.35	14.85	0.34	0.00
3_19	3	19	79	2.52	3.36	0.07	15.09	77.68	82.14	15.63	0.35	0.00
3_20	3	20	80	2.38	3.48	0.06	14.04	74.03	84.98	16.42	0.34	0.00
3_21	3	21	81	2.25	3.60	0.05	13.01	70.52	87.76	17.24	0.35	0.00
3_22	3	22	82	2.14	3.70	0.05	12.18	67.66	90.28	17.98	0.36	0.00
3_23	3	23	83	2.07	3.80	0.03	11.56	65.42	92.70	18.76	0.36	0.00
3_24	3	24	84	2.00	3.91	0.03	11.12	63.39	95.28	19.62	0.37	0.00
3_25	3	25	85	1.92	4.02	0.05	10.60	61.25	97.99	20.54	0.38	0.00
3_26	3	26	86	1.83	4.13	0.05	9.99	58.94	100.86	21.53	0.39	0.00
3_27	3	27	87	1.76	4.24	0.05	9.44	56.87	103.55	22.50	0.41	0.00
3_28	3	28	88	1.68	4.35	0.05	8.96	54.93	106.30	23.48	0.43	0.00
3_29	3	29	89	1.62	4.46	0.06	8.59	53.13	109.13	24.51	0.46	0.00
3_30	3	30	90	1.55	4.57	0.06	8.28	51.60	111.83	25.55	0.50	0.00
3_31	3	31	91	1.41	4.95	0.05	7.59	47.46	119.09	28.14	0.51	0.00
4_1	4	1	92	1.37	5.02	0.05	7.48	46.76	121.16	29.03	0.55	0.00
4_2	4	2	93	1.34	5.08	0.06	7.38	46.24	122.94	29.86	0.58	0.00
4_3	4	3	94	1.30	5.10	0.06	7.27	45.72	124.09	30.36	0.61	0.00
4_4	4	4	95	1.28	5.12	0.06	7.23	45.42	124.93	30.87	0.67	0.00
4_5	4	5	96	1.26	5.16	0.06	7.30	45.28	125.89	31.42	0.73	0.00
4_6	4	6	97	1.24	5.19	0.07	7.40	44.92	127.11	32.09	0.79	0.00
4_7	4	7	98	1.19	5.25	0.07	7.30	44.03	128.62	32.85	0.88	0.00
4_8	4	8	99									

4_9	4	9	100	1.13	5.31	0.07	7.00	42.76	130.21	33.63	0.98	0.00
4_10	4	10	101	1.08	5.37	0.06	6.70	41.50	131.77	34.42	1.08	0.00
4_11	4	11	102	1.04	5.44	0.06	6.47	40.42	133.23	35.21	1.20	0.00
4_12	4	12	103	0.99	5.52	0.06	6.22	39.28	134.90	36.10	1.32	0.00
4_13	4	13	104	0.95	5.60	0.05	5.99	38.19	136.77	37.20	1.48	0.00
4_14	4	14	105	0.91	5.69	0.04	5.77	37.15	138.68	38.40	1.65	0.00
4_15	4	15	106	0.87	5.80	0.04	5.53	35.92	140.95	39.78	1.84	0.00
4_16	4	16	107	0.81	5.93	0.03	5.13	34.16	143.69	41.31	2.03	0.00
4_17	4	17	108	0.75	6.10	0.03	4.64	32.08	147.20	43.28	2.25	0.00
4_18	4	18	109	0.67	6.30	0.02	4.17	29.96	151.32	45.53	2.52	0.00
4_19	4	19	110	0.61	6.52	0.02	3.72	27.97	156.02	48.17	2.81	0.00
4_20	4	20	111	0.55	6.75	0.02	3.28	25.90	161.05	50.90	3.09	0.00
4_21	4	21	112	0.48	6.98	0.01	2.82	23.85	166.34	53.81	3.41	0.00
4_22	4	22	113	0.42	7.23	0.01	2.36	21.89	171.83	56.87	3.74	0.00
4_23	4	23	114	0.37	7.47	0.00	2.01	20.24	177.35	60.03	4.10	0.00
4_24	4	24	115	0.34	7.71	0.00	1.78	18.87	182.85	63.27	4.48	0.00
4_25	4	25	116	0.30	7.97	0.00	1.57	17.59	188.49	66.64	4.93	0.00
4_26	4	26	117	0.26	8.21	0.00	1.37	16.35	194.23	70.11	5.41	0.00
4_27	4	27	118	0.23	8.46	0.00	1.20	15.21	199.82	73.60	5.92	0.02
4_28	4	28	119	0.20	8.70	0.00	1.03	14.19	205.24	77.01	6.41	0.00
4_29	4	29	120	0.17	8.94	0.00	0.88	13.16	210.78	80.44	6.90	0.00
4_30	4	30	121	0.15	9.18	0.00	0.74	12.21	216.16	83.81	7.41	0.00
5_1	5	1	122	0.18	9.35	0.00	0.90	12.54	220.43	88.25	8.96	0.00
5_2	5	2	123	0.17	9.54	0.00	0.88	12.00	224.67	91.04	9.54	0.00
5_3	5	3	124	0.15	9.72	0.00	0.85	11.44	228.53	93.59	10.08	0.00
5_4	5	4	125	0.14	9.90	0.00	0.77	10.68	232.34	96.03	10.59	0.00
5_5	5	5	126	0.12	10.10	0.00	0.69	9.89	236.16	98.52	11.16	0.00
5_6	5	6	127	0.11	10.30	0.00	0.64	9.16	239.97	101.03	11.75	0.00
5_7	5	7	128	0.10	10.50	0.00	0.58	8.43	243.71	103.52	12.41	0.01
5_8	5	8	129	0.09	10.69	0.00	0.54	7.75	247.24	105.85	13.05	0.01
5_9	5	9	130	0.07	10.88	0.00	0.48	7.08	250.70	108.18	13.73	0.01
5_10	5	10	131	0.07	11.06	0.00	0.43	6.49	254.02	110.46	14.39	0.01
5_11	5	11	132	0.06	11.24	0.00	0.39	5.91	257.28	112.76	15.12	0.01
5_12	5	12	133	0.06	11.41	0.00	0.34	5.36	260.58	115.09	15.95	0.01
5_13	5	13	134	0.05	11.59	0.00	0.29	4.81	263.91	117.48	16.86	0.02
5_14	5	14	135	0.04	11.76	0.00	0.25	4.32	267.26	119.95	17.89	0.03
5_15	5	15	136	0.02	11.94	0.00	0.20	3.85	270.93	122.69	19.03	0.05
5_16	5	16	137	0.02	12.16	0.00	0.15	3.32	275.36	126.03	20.34	0.05
5_17	5	17	138	0.02	12.40	0.00	0.10	2.82	280.40	129.89	21.81	0.07
5_18	5	18	139	0.01	12.66	0.00	0.05	2.35	286.06	134.25	23.46	0.09
5_19	5	19	140	0.01	12.93	0.00	0.03	1.98	291.98	138.89	25.28	0.12
5_20	5	20	141	0.01	13.20	0.00	0.03	1.73	298.01	143.64	27.18	0.14
5_21	5	21	142	0.01	13.46	0.00	0.02	1.51	303.91	148.33	29.14	0.18
5_22	5	22	143	0.01	13.71	0.00	0.02	1.34	309.79	153.09	31.21	0.22
5_23	5	23	144	0.00	13.97	0.00	0.01	1.19	315.92	158.15	33.45	0.26
5_24	5	24	145	0.00	14.23	0.00	0.01	1.04	322.03	163.22	35.77	0.31
5_25	5	25	146	0.00	14.50	0.00	0.01	0.89	328.13	168.30	38.14	0.36
5_26	5	26	147	0.00	14.75	0.00	0.01	0.74	334.12	173.29	40.49	0.41
5_27	5	27	148	0.00	15.01	0.00	0.01	0.58	340.15	178.35	42.83	0.45
5_28	5	28	149	0.00	15.28	0.00	0.01	0.44	346.45	183.69	45.34	0.49
5_29	5	29	150	0.00	15.55	0.00	0.00	0.30	352.88	189.20	47.90	0.53
5_30	5	30	151	0.00	15.82	0.00	0.00	0.19	359.13	194.63	50.49	0.58
5_31	5	31	152	0.00	16.07	0.00	0.00	0.13	365.00	199.85	53.08	0.63
6_1	6	1	153	0.00	16.50	0.00	0.00	0.00	375.26	209.32	59.96	1.29
6_2	6	2	154	0.00	16.73	0.00	0.00	0.00	380.70	214.33	62.78	1.44
6_3	6	3	155	0.00	16.96	0.00	0.00	0.00	386.00	219.33	65.63	1.58

6_4	6	4	156	0.00	17.18	0.00	0.00	0.00	391.27	224.39	68.53	1.74
6_5	6	5	157	0.00	17.40	0.00	0.00	0.00	396.58	229.56	71.42	1.91
6_6	6	6	158	0.00	17.63	0.00	0.00	0.00	401.72	234.58	74.18	2.06
6_7	6	7	159	0.00	17.83	0.00	0.00	0.00	406.59	239.34	76.79	2.21
6_8	6	8	160	0.00	18.04	0.00	0.00	0.00	411.39	244.02	79.34	2.38
6_9	6	9	161	0.00	18.24	0.00	0.00	0.00	416.12	248.64	81.87	2.56
6_10	6	10	162	0.00	18.44	0.00	0.00	0.00	420.78	253.18	84.39	2.78
6_11	6	11	163	0.00	18.64	0.00	0.00	0.00	425.26	257.56	86.88	3.06
6_12	6	12	164	0.00	18.82	0.00	0.00	0.00	429.30	261.53	89.19	3.42
6_13	6	13	165	0.00	18.99	0.00	0.00	0.00	433.04	265.21	91.41	3.81
6_14	6	14	166	0.00	19.15	0.00	0.00	0.00	436.51	268.65	93.49	4.22
6_15	6	15	167	0.00	19.30	0.00	0.00	0.00	439.71	271.81	95.43	4.64
6_16	6	16	168	0.00	19.42	0.00	0.00	0.00	442.44	274.51	97.06	5.07
6_17	6	17	169	0.00	19.53	0.00	0.00	0.00	444.67	276.71	98.38	5.44
6_18	6	18	170	0.00	19.61	0.00	0.00	0.00	446.40	278.41	99.43	5.81
6_19	6	19	171	0.00	19.67	0.00	0.00	0.00	447.64	279.64	100.22	6.14
6_20	6	20	172	0.00	19.71	0.00	0.00	0.00	448.50	280.49	100.86	6.48
6_21	6	21	173	0.00	19.75	0.00	0.00	0.00	449.15	281.14	101.43	6.84
6_22	6	22	174	0.00	19.78	0.00	0.00	0.00	449.67	281.65	101.94	7.17
6_23	6	23	175	0.00	19.80	0.00	0.00	0.00	450.01	281.99	102.31	7.49
6_24	6	24	176	0.00	19.82	0.00	0.00	0.00	450.22	282.19	102.58	7.79
6_25	6	25	177	0.00	19.84	0.00	0.00	0.00	450.41	282.40	102.83	8.02
6_26	6	26	178	0.00	19.85	0.00	0.00	0.00	450.53	282.51	102.97	8.17
6_27	6	27	179	0.00	19.85	0.00	0.00	0.00	450.53	282.51	103.02	8.20
6_28	6	28	180	0.00	19.84	0.00	0.00	0.00	450.33	282.31	102.89	8.17
6_29	6	29	181	0.00	19.83	0.00	0.00	0.00	450.14	282.11	102.84	8.13
6_30	6	30	182	0.00	19.82	0.00	0.00	0.00	449.87	281.85	102.73	8.01
7_1	7	1	183	0.00	19.46	0.00	0.00	0.00	441.33	273.38	96.55	6.16
7_2	7	2	184	0.00	19.47	0.00	0.00	0.00	441.51	273.56	96.75	6.07
7_3	7	3	185	0.00	19.49	0.00	0.00	0.00	441.84	273.89	97.00	5.96
7_4	7	4	186	0.00	19.51	0.00	0.00	0.00	442.22	274.25	97.28	5.84
7_5	7	5	187	0.00	19.53	0.00	0.00	0.00	442.52	274.56	97.44	5.68
7_6	7	6	188	0.00	19.55	0.00	0.00	0.00	442.81	274.85	97.53	5.51
7_7	7	7	189	0.00	19.57	0.00	0.00	0.00	443.20	275.24	97.69	5.34
7_8	7	8	190	0.00	19.60	0.00	0.00	0.00	443.79	275.83	98.02	5.20
7_9	7	9	191	0.00	19.62	0.00	0.00	0.00	444.42	276.45	98.39	5.06
7_10	7	10	192	0.00	19.64	0.00	0.00	0.00	444.83	276.86	98.63	4.94
7_11	7	11	193	0.00	19.66	0.00	0.00	0.00	445.20	277.23	98.85	4.85
7_12	7	12	194	0.00	19.69	0.00	0.00	0.00	445.55	277.58	99.02	4.79
7_13	7	13	195	0.00	19.71	0.00	0.00	0.00	445.85	277.87	99.10	4.74
7_14	7	14	196	0.00	19.73	0.00	0.00	0.00	445.99	278.02	99.00	4.67
7_15	7	15	197	0.00	19.75	0.00	0.00	0.00	446.11	278.13	98.88	4.63
7_16	7	16	198	0.00	19.77	0.00	0.00	0.00	446.38	278.41	98.88	4.59
7_17	7	17	199	0.00	19.80	0.00	0.00	0.00	446.73	278.74	98.95	4.58
7_18	7	18	200	0.00	19.84	0.00	0.00	0.00	447.30	279.32	99.24	4.64
7_19	7	19	201	0.00	19.88	0.00	0.00	0.00	448.12	280.14	99.77	4.75
7_20	7	20	202	0.00	19.94	0.00	0.00	0.00	449.45	281.46	100.73	4.93
7_21	7	21	203	0.00	20.02	0.00	0.00	0.00	451.04	283.03	101.95	5.16
7_22	7	22	204	0.00	20.09	0.00	0.00	0.00	452.56	284.55	103.14	5.39

7_23	7	23	205	0.00	20.16	0.00	0.00	0.00	453.99	285.97	104.28	5.64
7_24	7	24	206	0.00	20.23	0.00	0.00	0.00	455.60	287.58	105.60	5.93
7_25	7	25	207	0.00	20.32	0.00	0.00	0.00	457.61	289.58	107.21	6.24
7_26	7	26	208	0.00	20.42	0.00	0.00	0.00	459.81	291.77	108.97	6.58
7_27	7	27	209	0.00	20.51	0.00	0.00	0.00	462.27	294.22	110.99	6.96
7_28	7	28	210	0.00	20.64	0.00	0.00	0.00	465.17	297.10	113.40	7.41
7_29	7	29	211	0.00	20.77	0.00	0.00	0.00	468.35	300.27	116.10	7.91
7_30	7	30	212	0.00	20.90	0.00	0.00	0.00	471.70	303.60	118.96	8.44
7_31	7	31	213	0.00	21.03	0.00	0.00	0.00	474.87	306.75	121.67	8.99
8_1	8	1	214	0.00	21.47	0.00	0.00	0.00	485.85	317.86	131.64	11.95
8_2	8	2	215	0.00	21.57	0.00	0.00	0.00	488.22	320.23	133.82	12.49
8_3	8	3	216	0.00	21.65	0.00	0.00	0.00	490.17	322.19	135.63	12.94
8_4	8	4	217	0.00	21.70	0.00	0.00	0.00	491.53	323.56	136.92	13.31
8_5	8	5	218	0.00	21.74	0.00	0.00	0.00	492.34	324.37	137.75	13.62
8_6	8	6	219	0.00	21.77	0.00	0.00	0.00	492.83	324.86	138.33	13.88
8_7	8	7	220	0.00	21.78	0.00	0.00	0.00	492.96	324.99	138.59	14.04
8_8	8	8	221	0.00	21.77	0.00	0.00	0.00	492.57	324.60	138.39	14.15
8_9	8	9	222	0.00	21.74	0.00	0.00	0.00	491.72	323.75	137.82	14.18
8_10	8	10	223	0.00	21.70	0.00	0.00	0.00	490.54	322.57	136.96	14.12
8_11	8	11	224	0.00	21.64	0.00	0.00	0.00	488.76	320.78	135.56	13.96
8_12	8	12	225	0.00	21.55	0.00	0.00	0.00	486.19	318.19	133.48	13.63
8_13	8	13	226	0.00	21.43	0.00	0.00	0.00	483.04	315.02	130.90	13.24
8_14	8	14	227	0.00	21.30	0.00	0.00	0.00	479.43	311.40	127.97	12.80
8_15	8	15	228	0.00	21.15	0.00	0.00	0.00	475.60	307.56	124.85	12.32
8_16	8	16	229	0.00	21.01	0.00	0.00	0.00	471.82	303.76	121.79	11.84
8_17	8	17	230	0.00	20.86	0.00	0.00	0.00	468.25	300.16	118.91	11.39
8_18	8	18	231	0.00	20.73	0.00	0.00	0.00	464.77	296.67	116.10	10.95
8_19	8	19	232	0.00	20.60	0.00	0.00	0.00	461.47	293.36	113.47	10.52
8_20	8	20	233	0.00	20.48	0.00	0.00	0.00	458.52	290.41	111.09	10.10
8_21	8	21	234	0.00	20.36	0.00	0.00	0.00	455.77	287.64	108.82	9.69
8_22	8	22	235	0.00	20.25	0.00	0.00	0.00	453.17	285.03	106.66	9.27
8_23	8	23	236	0.00	20.14	0.00	0.00	0.00	450.59	282.46	104.56	8.86
8_24	8	24	237	0.00	20.01	0.00	0.00	0.00	447.77	279.65	102.31	8.43
8_25	8	25	238	0.00	19.89	0.00	0.00	0.00	444.74	276.65	99.93	8.01
8_26	8	26	239	0.00	19.76	0.00	0.00	0.00	441.83	273.80	97.77	7.63
8_27	8	27	240	0.00	19.64	0.00	0.00	0.00	439.18	271.21	95.86	7.30
8_28	8	28	241	0.00	19.52	0.00	0.00	0.00	436.67	268.77	94.09	6.95
8_29	8	29	242	0.00	19.41	0.00	0.00	0.00	434.20	266.37	92.33	6.56
8_30	8	30	243	0.00	19.29	0.00	0.00	0.00	431.58	263.83	90.53	6.17
8_31	8	31	244	0.00	19.15	0.00	0.00	0.00	428.61	261.00	88.54	5.75
9_1	9	1	245	0.00	19.05	0.00	0.00	0.01	425.25	256.01	83.10	3.62
9_2	9	2	246	0.00	18.89	0.00	0.00	0.01	421.72	252.67	80.95	3.32
9_3	9	3	247	0.00	18.71	0.00	0.00	0.01	417.75	248.94	78.56	3.02
9_4	9	4	248	0.00	18.51	0.00	0.00	0.01	413.33	244.78	75.95	2.72
9_5	9	5	249	0.00	18.31	0.00	0.00	0.01	408.68	240.40	73.29	2.44
9_6	9	6	250	0.00	18.10	0.00	0.00	0.02	403.79	235.81	70.59	2.18
9_7	9	7	251	0.00	17.89	0.00	0.00	0.02	398.83	231.16	67.90	1.93
9_8	9	8	252	0.00	17.68	0.00	0.00	0.02	394.08	226.68	65.41	1.72
9_9	9	9	253	0.00	17.48	0.00	0.00	0.03	389.37	222.25	63.04	1.52
9_10	9	10	254	0.00	17.28	0.00	0.00	0.03	384.63	217.80	60.70	1.35
9_11	9	11	255	0.00	17.08	0.00	0.00	0.03	379.86	213.33	58.40	1.19
9_12	9	12	256	0.00	16.88	0.00	0.00	0.03	375.12	208.87	56.10	1.06
9_13	9	13	257	0.00	16.67	0.00	0.00	0.04	370.29	204.36	53.90	0.95
9_14	9	14	258	0.00	16.48	0.00	0.00	0.04	365.63	200.05	51.84	0.85
9_15	9	15	259	0.00	16.29	0.00	0.00	0.04	361.11	195.84	49.84	0.76
9_16	9	16	260	0.00	16.11	0.00	0.00	0.05	356.52	191.63	47.84	0.69

9_17	9	17	261	0.00	15.92	0.00	0.00	0.06	352.01	187.54	45.96	0.63
9_18	9	18	262	0.00	15.73	0.00	0.00	0.07	347.58	183.58	44.23	0.59
9_19	9	19	263	0.00	15.53	0.00	0.00	0.08	343.00	179.60	42.58	0.55
9_20	9	20	264	0.00	15.32	0.00	0.00	0.11	338.19	175.57	40.97	0.51
9_21	9	21	265	0.00	15.11	0.00	0.00	0.15	333.36	171.63	39.43	0.48
9_22	9	22	266	0.00	14.89	0.00	0.00	0.20	328.52	167.75	37.97	0.44
9_23	9	23	267	0.00	14.65	0.00	0.00	0.26	323.51	163.85	36.49	0.41
9_24	9	24	268	0.00	14.43	0.00	0.00	0.35	318.47	160.09	35.08	0.37
9_25	9	25	269	0.00	14.18	0.00	0.00	0.44	313.28	156.25	33.66	0.34
9_26	9	26	270	0.00	13.92	0.00	0.00	0.55	307.72	152.29	32.20	0.30
9_27	9	27	271	0.00	13.64	0.00	0.00	0.67	301.86	148.14	30.71	0.27
9_28	9	28	272	0.00	13.37	0.00	0.00	0.78	296.13	144.12	29.24	0.23
9_29	9	29	273	0.00	13.10	0.00	0.00	0.89	290.44	140.11	27.78	0.20
9_30	9	30	274	0.00	12.83	0.00	0.00	1.01	284.89	136.29	26.44	0.18
10_1	10	1	275	0.04	12.14	0.00	0.03	5.55	272.45	128.52	23.58	0.01
10_2	10	2	276	0.05	11.88	0.00	0.04	6.18	267.14	124.96	22.45	0.01
10_3	10	3	277	0.06	11.63	0.00	0.04	6.82	261.97	121.54	21.39	0.01
10_4	10	4	278	0.06	11.40	0.00	0.05	7.47	257.19	118.47	20.48	0.01
10_5	10	5	279	0.07	11.17	0.00	0.06	8.19	252.58	115.53	19.59	0.01
10_6	10	6	280	0.08	10.95	0.00	0.09	8.95	247.89	112.53	18.72	0.01
10_7	10	7	281	0.10	10.72	0.00	0.11	9.67	243.10	109.43	17.82	0.01
10_8	10	8	282	0.11	10.48	0.00	0.14	10.30	238.26	106.21	16.91	0.01
10_9	10	9	283	0.12	10.24	0.00	0.17	10.94	233.25	102.83	15.95	0.00
10_10	10	10	284	0.13	10.02	0.00	0.23	11.68	228.38	99.58	15.02	0.00
10_11	10	11	285	0.14	9.80	0.00	0.29	12.47	223.77	96.49	14.18	0.00
10_12	10	12	286	0.16	9.57	0.00	0.38	13.44	219.26	93.57	13.46	0.00
10_13	10	13	287	0.19	9.33	0.00	0.50	14.66	214.35	90.52	12.78	0.00
10_14	10	14	288	0.23	9.06	0.00	0.67	16.28	208.86	87.28	12.10	0.00
10_15	10	15	289	0.27	8.77	0.00	0.93	18.25	202.92	83.81	11.40	0.00
10_16	10	16	290	0.33	8.45	0.00	1.27	20.52	196.43	80.03	10.63	0.00
10_17	10	17	291	0.39	8.14	0.00	1.64	23.00	190.04	76.38	9.91	0.00
10_18	10	18	292	0.45	7.82	0.00	2.02	25.68	183.58	72.68	9.16	0.00
10_19	10	19	293	0.52	7.49	-0.00	2.43	28.41	176.94	68.86	8.32	0.00
10_20	10	20	294	0.59	7.18	0.00	2.85	31.22	170.45	65.11	7.53	0.00
10_21	10	21	295	0.66	6.87	0.00	3.26	34.01	164.22	61.60	6.78	0.00
10_22	10	22	296	0.74	6.58	0.00	3.74	36.98	158.21	58.30	6.12	0.00
10_23	10	23	297	0.83	6.30	0.00	4.25	40.10	152.36	55.19	5.55	0.00
10_24	10	24	298	0.92	6.03	0.00	4.80	43.32	146.68	52.22	5.06	0.00
10_25	10	25	299	1.01	5.75	0.00	5.34	46.56	140.89	49.22	4.60	0.00
10_26	10	26	300	1.11	5.47	0.00	5.90	49.82	135.00	46.19	4.14	0.00
10_27	10	27	301	1.21	5.21	0.00	6.43	52.89	129.29	43.19	3.67	0.00
10_28	10	28	302	1.30	4.97	0.00	6.96	55.67	124.16	40.41	3.20	0.00
10_29	10	29	303	1.37	4.75	0.00	7.43	58.02	119.51	37.82	2.78	0.00
10_30	10	30	304	1.48	4.56	0.00	8.00	60.40	115.17	35.42	2.41	0.00
10_31	10	31	305	1.55	4.40	0.00	8.71	62.84	111.42	33.40	2.11	0.00
11_1	11	1	306	1.63	4.28	0.03	8.60	61.63	107.87	30.40	1.38	0.00
11_2	11	2	307	1.75	4.14	0.04	9.44	64.19	104.26	28.60	1.21	0.00
11_3	11	3	308	1.89	4.01	0.06	10.47	67.19	100.87	26.97	1.07	0.00
11_4	11	4	309	2.05	3.86	0.08	11.73	70.48	97.50	25.37	0.94	0.00
11_5	11	5	310	2.21	3.72	0.10	13.10	74.02	94.01	23.77	0.82	0.00
11_6	11	6	311	2.38	3.55	0.13	14.45	77.60	90.38	22.15	0.70	0.00
11_7	11	7	312	2.55	3.40	0.16	15.77	81.25	86.92	20.69	0.58	0.00
11_8	11	8	313	2.72	3.26	0.18	17.22	84.98	83.80	19.41	0.47	0.00
11_9	11	9	314	2.90	3.15	0.21	18.84	88.85	81.05	18.34	0.39	0.00
11_10	11	10	315	3.10	3.04	0.24	20.66	93.13	78.53	17.45	0.31	0.00
11_11	11	11	316	3.33	2.93	0.27	22.79	98.14	76.07	16.69	0.25	0.00

11_12	11	12	317	3.58	2.81	0.30	25.23	103.92	73.29	15.90	0.22	0.00
11_13	11	13	318	3.88	2.69	0.33	28.02	110.49	70.60	15.24	0.20	0.00
11_14	11	14	319	4.16	2.58	0.38	30.78	116.96	68.20	14.68	0.18	0.00
11_15	11	15	320	4.42	2.47	0.41	33.33	122.99	65.80	14.10	0.16	0.00
11_16	11	16	321	4.66	2.36	0.44	35.76	128.82	63.51	13.57	0.14	0.00
11_17	11	17	322	4.90	2.26	0.47	38.16	134.57	61.32	13.07	0.12	0.00
11_18	11	18	323	5.13	2.16	0.50	40.36	139.83	59.12	12.53	0.11	0.00
11_19	11	19	324	5.33	2.08	0.52	42.22	144.54	57.18	12.06	0.09	0.00
11_20	11	20	325	5.53	2.01	0.55	44.14	149.22	55.59	11.69	0.09	0.00
11_21	11	21	326	5.76	1.96	0.61	46.45	154.47	54.13	11.38	0.08	0.00
11_22	11	22	327	6.02	1.89	0.68	49.26	160.49	52.38	10.94	0.08	0.00
11_23	11	23	328	6.29	1.83	0.80	52.21	166.81	50.49	10.45	0.07	0.00
11_24	11	24	329	6.56	1.76	0.94	55.17	173.17	48.58	9.96	0.06	0.00
11_25	11	25	330	6.81	1.70	1.09	58.08	179.18	46.86	9.48	0.05	0.00
11_26	11	26	331	7.06	1.65	1.27	60.96	184.93	45.27	8.99	0.05	0.00
11_27	11	27	332	7.28	1.62	1.48	63.62	190.06	44.14	8.64	0.04	0.00
11_28	11	28	333	7.46	1.59	1.68	65.92	194.34	43.18	8.31	0.03	0.00
11_29	11	29	334	7.64	1.56	1.86	67.99	198.37	42.14	7.96	0.03	0.00
11_30	11	30	335	7.82	1.53	2.05	69.94	202.29	41.05	7.59	0.02	0.00
12_1	12	1	336	8.17	1.58	3.01	74.04	209.37	41.87	7.93	0.05	0.00
12_2	12	2	337	8.34	1.57	3.27	76.24	213.09	41.17	7.63	0.02	0.00
12_3	12	3	338	8.51	1.55	3.54	78.55	217.07	40.55	7.42	0.02	0.00
12_4	12	4	339	8.69	1.51	3.84	81.16	221.53	39.70	7.14	0.02	0.00
12_5	12	5	340	8.86	1.48	4.11	83.54	225.63	38.84	6.87	0.03	0.00
12_6	12	6	341	8.96	1.45	4.30	85.24	228.45	38.33	6.66	0.03	0.00
12_7	12	7	342	9.02	1.45	4.47	86.09	229.80	38.37	6.59	0.03	0.00
12_8	12	8	343	9.02	1.45	4.54	86.37	230.02	38.62	6.54	0.03	0.00
12_9	12	9	344	9.01	1.45	4.55	86.35	229.64	38.87	6.45	0.03	0.01
12_10	12	10	345	8.98	1.44	4.56	86.22	229.05	39.03	6.34	0.03	0.01
12_11	12	11	346	8.93	1.45	4.49	85.71	227.83	39.40	6.32	0.04	0.01
12_12	12	12	347	8.87	1.45	4.41	85.13	226.56	39.70	6.29	0.04	0.01
12_13	12	13	348	8.83	1.45	4.34	84.71	225.53	40.04	6.29	0.04	0.01
12_14	12	14	349	8.80	1.46	4.27	84.56	224.85	40.46	6.32	0.05	0.01
12_15	12	15	350	8.83	1.47	4.22	85.11	225.32	40.92	6.41	0.05	0.01
12_16	12	16	351	8.88	1.46	4.16	85.91	226.60	40.97	6.43	0.05	0.01
12_17	12	17	352	8.93	1.45	4.07	86.46	227.68	41.02	6.46	0.05	0.01
12_18	12	18	353	8.98	1.45	3.96	87.03	228.63	41.06	6.46	0.05	0.01
12_19	12	19	354	9.04	1.46	3.85	87.78	229.85	41.20	6.49	0.04	0.01
12_20	12	20	355	9.16	1.46	3.76	89.13	232.04	41.17	6.50	0.04	0.01
12_21	12	21	356	9.32	1.45	3.70	91.04	235.33	40.75	6.47	0.04	0.01
12_22	12	22	357	9.53	1.43	3.70	93.66	239.63	40.00	6.38	0.03	0.01
12_23	12	23	358	9.77	1.41	3.82	96.90	245.13	39.13	6.32	0.03	0.01
12_24	12	24	359	10.04	1.38	4.00	100.43	251.24	38.18	6.27	0.03	0.00
12_25	12	25	360	10.30	1.35	4.28	103.95	257.33	37.25	6.23	0.03	0.00
12_26	12	26	361	10.58	1.30	4.68	107.67	263.77	36.02	6.09	0.02	0.00
12_27	12	27	362	10.87	1.25	5.12	111.48	270.35	34.53	5.86	0.02	0.00
12_28	12	28	363	11.15	1.17	5.56	115.34	277.13	32.69	5.50	0.02	0.00
12_29	12	29	364	11.43	1.10	6.02	119.16	283.76	30.72	5.11	0.01	0.00
12_30	12	30	365	11.68	1.03	6.51	122.62	289.55	28.84	4.69	0.01	0.00
12_31	12	31	366	11.90	0.96	7.01	125.72	294.63	27.18	4.30	0.01	0.00



Input Coefficients

Slopes

Rate Classes		Below 40	40 to 55	55 to 65	65 to 72	72 to 80	80 to 90	Above 90
Residential:	Winter	0.050000	0.050000	0.008100	0.025400	0.068015	0.092015	0.092015
	Summer	0.033300	0.033300	0.001100	0.036300	0.089815	0.113815	0.113815
Secondary Voltage Small:	Winter	0.007869	0.007869	0.002389	0.004038	0.008608	0.008608	0.008608
	Summer	0.003877	0.003877	-0.001603	0.006886	0.014304	0.014304	0.014304
SIND WEIGHTS								
SVL NONIDR	0.996	0.130900	0.130900	0.011800	0.265500	0.418571	0.418571	0.418571
PVS NONIDR	0.004	<u>0.836000</u>	<u>0.836000</u>	<u>-0.011200</u>	<u>1.428300</u>	<u>2.458557</u>	<u>2.458557</u>	<u>2.458557</u>
COM		0.133720	0.133720	0.011708	0.270151	0.426731	0.426731	0.426731
SIND WEIGHTS								
SVL IDR	0.82	0.506700	0.506700	0.097900	5.161400	5.428743	5.428743	5.428743
PVS IDR	0.18	<u>1.566900</u>	<u>1.566900</u>	<u>1.128500</u>	<u>9.162300</u>	<u>9.227386</u>	<u>9.227386</u>	<u>9.227386</u>
SIND		0.697536	0.697536	0.283408	5.881562	6.112499	6.112499	6.112499

Coefficients measure the kWh response per customer to a change in temperature with temperatures exponentially smoothed using a weight of 0.25 for the current hour

Input Customers

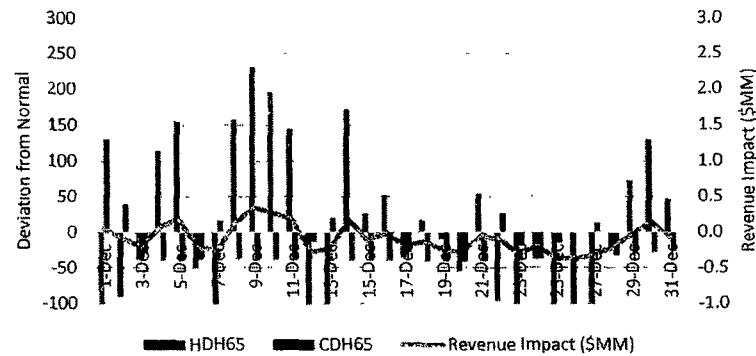
2018

Index	RES_CUST	SVS_CUST	SVL_AMS_CUST	SVL_IDR_CUST	PVS_AMS_CUST	PVS_IDR_CUST	COM_SVL	COM_PVS	IND_SVL	IND_PVS	COM	IND
Oct-17	2,160,609	145,662	128,921	3,657	395	576	131,063	624	1,515	347	277,349	1,862
Nov-17	2,161,775	145,767	129,212	3,659	393	576	131,356	622	1,515	347	277,745	1,862
Dec-17	2,164,073	145,282	130,144	3,666	395	576	132,296	624	1,514	347	278,202	1,861
Jan-18	2,166,436	143,500	132,330	3,666	396	576	134,484	625	1,512	347	278,609	1,859
Feb-18	2,168,465	143,778	132,623	3,667	396	579	134,779	625	1,511	350	279,182	1,861
Mar-18	2,171,715	144,915	132,392	3,673	403	579	134,555	632	1,510	350	280,102	1,860
Apr-18	2,175,573	145,898	132,143	3,689	403	581	134,321	633	1,511	351	280,852	1,862
May-18	2,176,358	146,458	132,129	3,691	406	580	134,309	635	1,511	351	281,402	1,862
Jun-18	2,179,048	147,143	132,553	3,697	404	580	134,739	633	1,511	351	282,515	1,862
Jul-18	2,182,946	147,528	132,726	3,705	407	579	134,916	636	1,515	350	283,080	1,865
Aug-18	2,186,660	148,618	132,833	3,713	407	579	135,031	636	1,515	350	284,285	1,865
Sep-18	2,188,211	149,476	132,445	3,728	406	579	134,656	635	1,517	350	284,767	1,867
Oct-18	2,192,423	149,950	132,346	3,729	409	579	134,559	639	1,516	349	285,148	1,865
Nov-18	2,194,213	148,878	133,099	3,735	410	585	135,318	643	1,516	352	284,839	1,868
Dec-18	2,198,225	148,123	134,120	3,742	413	586	136,346	647	1,516	352	285,116	1,868
Jan-19	2,198,225	148,123										

Weather Impact for December

	Year	Month	Day	Customers	
From	2018	12	1	RES	SVS
To	2018	12	31	2,198,225	148,123

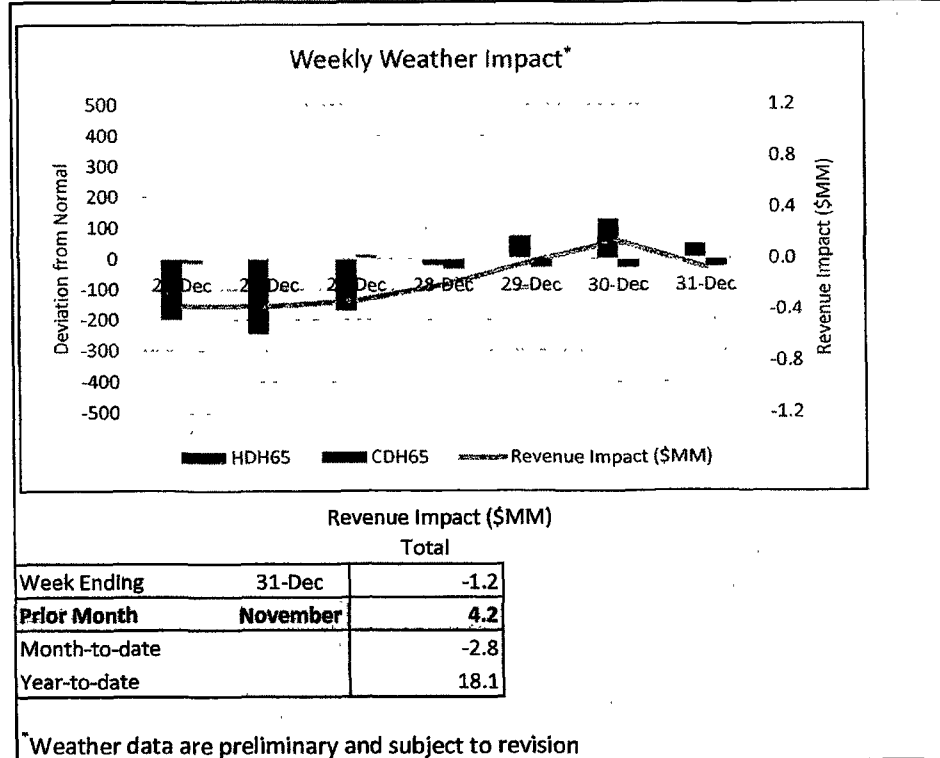
Weather Impact for December



	Weather Dev From Normal		MWH Impact		Revenue Impact (\$MM)			Hedge
	HDH65	CDH65	RES	SVS	RES	SVS	Total	
	D_HDH65	D_CDH65	RS_MWH	SVS_MWH	RS_REV	SVS_REV	Total	
1-Dec	-166	130	1,688	-11	0.0	0.0	0.0	0.2
2-Dec	-91	40	-3,397	-46	-0.1	0.0	-0.1	0.2
3-Dec	-39	-31	-8,187	-82	-0.2	0.0	-0.2	0.1
4-Dec	114	-40	3,033	46	0.1	0.0	0.1	-0.1
5-Dec	155	-39	7,048	90	0.2	0.0	0.2	-0.2
6-Dec	-50	-38	-8,424	-87	-0.2	0.0	-0.2	0.0
7-Dec	-184	15	-10,425	-126	-0.3	0.0	-0.3	0.2
8-Dec	157	-39	5,733	78	0.1	0.0	0.1	-0.1
9-Dec	231	-39	13,669	163	0.3	0.0	0.3	-0.3
10-Dec	195	-39	10,790	130	0.3	0.0	0.3	-0.1
11-Dec	145	-39	7,180	89	0.2	0.0	0.2	-0.1
12-Dec	-142	-13	-11,134	-127	-0.3	0.0	-0.3	0.2
13-Dec	-175	21	-9,198	-113	-0.2	0.0	-0.2	0.2
14-Dec	172	-40	6,814	90	0.2	0.0	0.2	-0.2

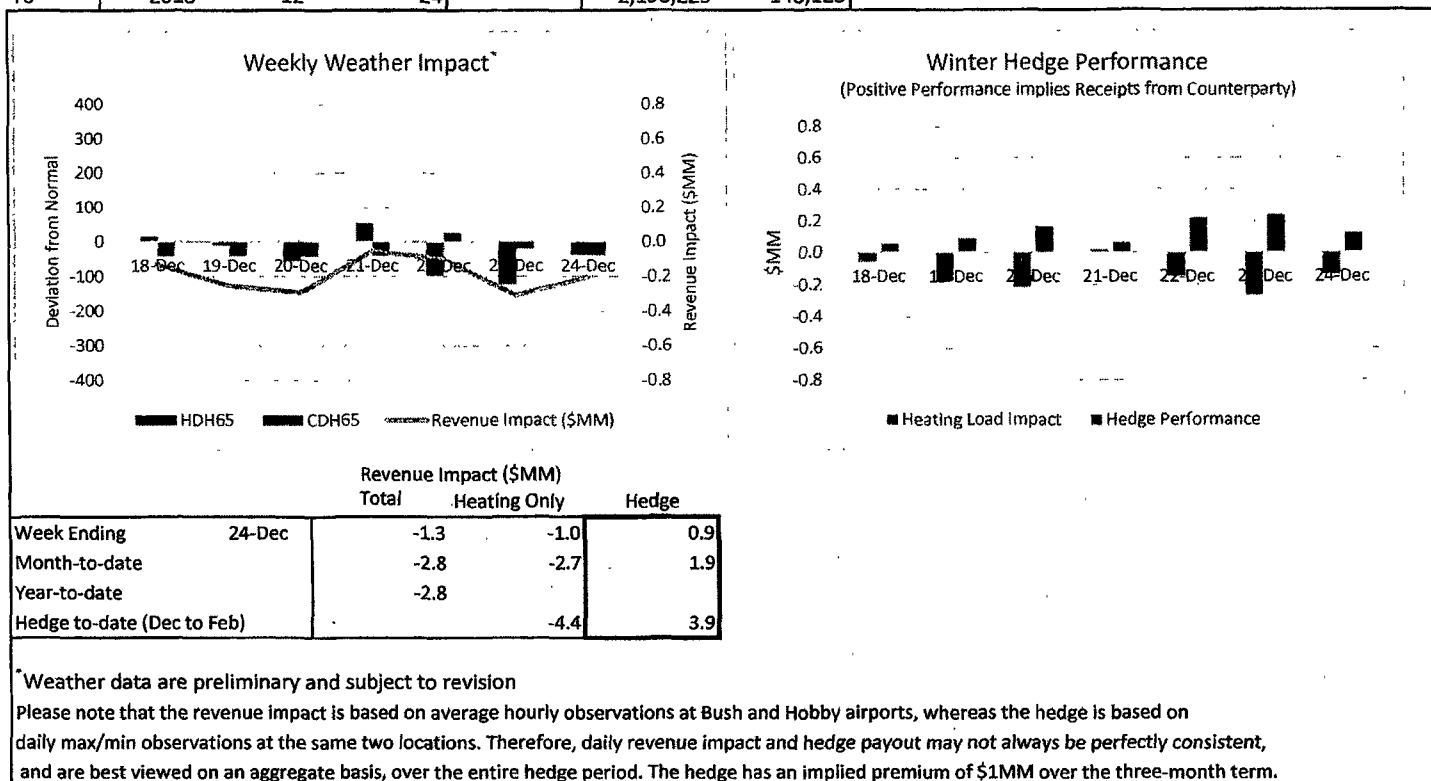
15-Dec	27	-41	-4,639	-39	-0.1	0.0	-0.1	0.1
16-Dec	52	-40	-692	1	0.0	0.0	0.0	0.0
17-Dec	-36	-28	-8,249	-82	-0.2	0.0	-0.2	0.2
18-Dec	16	-41	-5,227	-46	-0.1	0.0	-0.1	0.1
19-Dec	-10	-41	-9,986	-93	-0.2	0.0	-0.3	0.1
20-Dec	-55	-41	-11,609	-117	-0.3	0.0	-0.3	0.2
21-Dec	54	-41	-2,112	-11	-0.1	0.0	-0.1	0.1
22-Dec	-97	27	-3,812	-51	-0.1	0.0	-0.1	0.2
23-Dec	-123	-19	-12,267	-133	-0.3	0.0	-0.3	0.2
24-Dec	-39	-38	-8,140	-82	-0.2	0.0	-0.2	0.1
25-Dec	-200	-15	-14,527	-168	-0.4	0.0	-0.4	0.3
26-Dec	-247	1	-14,819	-178	-0.4	0.0	-0.4	0.3
27-Dec	-171	13	-13,150	-147	-0.3	0.0	-0.3	0.3
28-Dec	-22	-33	-8,268	-80	-0.2	0.0	-0.2	0.1
29-Dec	73	-31	-1,113	2	0.0	0.0	0.0	0.0
30-Dec	130	-29	5,491	72	0.1	0.0	0.1	-0.2
31-Dec	47	-27	-2,927	-19	-0.1	0.0	-0.1	0.0
MTD	-279	-576	-110,858	-1,078	-2.8	0.0	-2.8	1.9
								0.0

	Year	Month	Day	Customers	
From	2018	12	25	RES	SVS
To	2018	12	31	2,198,225	148,123



Week of	25-Dec to 31-Dec						
	Weather Dev From Norm		MWH Impact		Revenue Impact (\$MM)		
	HDH65	CDH65	RES	SVS	RES	SVS	Total
25-Dec	-200	-15	-14,527	-168	-0.4	0.0	-0.4
26-Dec	-247	1	-14,819	-178	-0.4	0.0	-0.4
27-Dec	-171	13	-13,150	-147	-0.3	0.0	-0.3
28-Dec	-22	-33	-8,268	-80	-0.2	0.0	-0.2
29-Dec	73	-31	-1,113	2	0.0	0.0	0.0
30-Dec	130	-29	5,491	72	0.1	0.0	0.1
31-Dec	47	-27	-2,927	-19	-0.1	0.0	-0.1
Week	-390	-120	-49,313	-518	-1.2	0.0	-1.2

From	Year	Month	Day	Customers	
	2018	12	18	RES	SVS
To	2018	12	24	2,198,225	148,123



Week of 18-Dec to 24-Dec

	Weather Dev From Norm		MWH Impact		Revenue Impact (\$MM)			Heating Load Impact	Hedge Payout	Implied Premium
	HDH65	CDH65	RES	SVS	RES	SVS	Total			
	D_HDH65	D_CDH65	RS_MWH	SVS_MWH	RS_REV	SVS_REV	Total			
18-Dec	16	-41	-5,227	-46	-0.1	0.0	-0.1	-0.1	0.1	
19-Dec	-10	-41	-9,986	-93	-0.2	0.0	-0.3	-0.2	0.1	#REF!
20-Dec	-55	-41	-11,609	-117	-0.3	0.0	-0.3	-0.2	0.2	#REF!
21-Dec	54	-41	-2,112	-11	-0.1	0.0	-0.1	0.0	0.1	#REF!
22-Dec	-97	27	-3,812	-51	-0.1	0.0	-0.1	-0.1	0.2	#REF!
23-Dec	-123	-19	-12,267	-133	-0.3	0.0	-0.3	-0.3	0.2	#REF!
24-Dec	-39	-38	-8,140	-82	-0.2	0.0	-0.2	-0.1	0.1	
Week	-254	-195	-53,154	-534	-1.3	0.0	-1.3	-1.0	0.9	#REF!

\$3,890,753

		Hedge Payout	Monthly Payout
1-Dec	12	\$152,502	
2-Dec	12	\$155,203	
3-Dec	12	\$133,890	
4-Dec	12	(\$51,908)	
5-Dec	12	(\$150,707)	
6-Dec	12	\$9,230	
7-Dec	12	\$178,681	
8-Dec	12	(\$81,882)	
9-Dec	12	(\$347,431)	
10-Dec	12	(\$124,945)	
11-Dec	12	(\$134,043)	
12-Dec	12	\$187,658	
13-Dec	12	\$207,144	
14-Dec	12	(\$181,655)	
15-Dec	12	\$108,783	
16-Dec	12	\$24,484	
17-Dec	12	\$196,220	
18-Dec	12	\$53,921	
19-Dec	12	\$85,622	
20-Dec	12	\$163,108	
21-Dec	12	\$64,309	
22-Dec	12	\$221,545	
23-Dec	12	\$238,746	
24-Dec	12	\$122,746	
25-Dec	12	\$250,982	
26-Dec	12	\$253,683	
27-Dec	12	\$256,384	
28-Dec	12	\$77,419	
29-Dec	12	(\$6,880)	
30-Dec	12	(\$173,630)	
31-Dec	12	\$24,821	\$1,914,000

1-Jan	1	\$95,818	
2-Jan	1	\$110,318	
3-Jan	1	(\$114,432)	
4-Jan	1	(\$39,084)	
5-Jan	1	\$144,933	
6-Jan	1	\$275,433	
7-Jan	1	\$297,183	
8-Jan	1	\$297,183	
9-Jan	1	\$166,683	
10-Jan	1	\$57,933	
11-Jan	1	\$181,183	
12-Jan	1	\$202,933	
13-Jan	1	\$7,183	
14-Jan	1	(\$166,817)	
15-Jan	1	(\$50,817)	
16-Jan	1	\$171,085	
17-Jan	1	\$294,335	
18-Jan	1	\$294,335	
19-Jan	1	\$146,486	
20-Jan	1	(\$404,514)	
21-Jan	1	(\$23,112)	
22-Jan	1	\$285,790	
23-Jan	1	\$46,540	
24-Jan	1	(\$299,825)	
25-Jan	1		
26-Jan	1		
27-Jan	1		
28-Jan	1		
29-Jan	1		
30-Jan	1		
31-Jan	1		\$1,976,753
1-Feb	2		
2-Feb	2		
3-Feb	2		
4-Feb	2		
5-Feb	2		

6-Feb	2		
7-Feb	2		
8-Feb	2		
9-Feb	2		
10-Feb	2		
11-Feb	2		
12-Feb	2		
13-Feb	2		
14-Feb	2		
15-Feb	2		
16-Feb	2		
17-Feb	2		
18-Feb	2		
19-Feb	2		
20-Feb	2		
21-Feb	2		
22-Feb	2		
23-Feb	2		
24-Feb	2		
25-Feb	2		
26-Feb	2		
27-Feb	2		
28-Feb	2		\$0
		\$3,890,753	

Year 2018

Values	Column Labels											
	1	2	3	4	5	6	7	8	9	10	11	12 Grand Total
Sum of RS_MWH	266,107	-28,883	48,560	-41,066	319,690	86,501	169,563	-56,461	-73,694	86,791	165,917	-110,858 832,167
Sum of SVS_MWH	2,813	-606	238	-220	2,959	754	1,371	-543	-630	667	1,897	-1,078 7,621
Sum of COM_MWH	35,409	36,803	45,746	-35,010	80,947	20,423	36,900	-14,513	-15,598	16,534	18,506	-34,942 191,204
Sum of IND_MWH	3,576	8,533	11,150	-4,772	34,081	9,359	17,766	-6,821	-9,542	12,898	7,444	-3,665 80,007

Year 2018

Values	Column Labels											
	1	2	3	4	5	6	7	8	9	10	11	12 Grand Total
Sum of RS_REV	6,633,523	-719,986	1,210,508	-1,023,705	7,969,224	2,156,299	4,226,865	-1,407,463	-1,837,052	2,163,533	4,135,976	-2,763,472 20,744,251
Sum of SVS_REV	46,845	-10,087	3,963	-3,662	49,280	12,559	22,827	-9,037	-10,499	11,101	31,589	-17,957 126,922
Total	6,680,369	-730,073	1,214,471	-1,027,367	8,018,504	2,168,858	4,249,692	-1,416,500	-1,847,551	2,174,635	4,167,565	-2,781,429 20,871,173

Sum of RS_MWH	266107.3278	-28882.62745	48560.17663	-41066.48758	319689.682	86501.07881	169562.9259	-56461.12442	-73694.3345	86791.29862	165916.8972	-110858.1511
Sum of SVS_MWH	2812.674567	-605.6515799	237.920843	-219.8551537	2958.842768	754.0772193	1370.605297	-542.6178613	-630.3728224	666.5528406	1896.659631	-1078.172273
Sum of COM_MWH	35408.5513	36802.9382	45746.39677	-35010.4376	80946.95171	20423.28173	36900.09298	-14512.80661	-15598.49413	16534.14982	18505.67488	-34942.19565
Sum of IND_MWH	3575.827146	8533.439928	11149.56004	-4772.184181	34081.18524	9359.199946	17765.95924	-6820.762674	-9541.70784	12898.18726	7443.599386	-3665.029841
	2661073.278	-288826.2745	485601.7663	-410664.8758	3196896.82	865010.7881	1695629.259	-564611.2442	-736943.345	867912.9862	1659168.972	-1108581.511
	28126.74567	-6056.515799	2379.20843	-2198.551537	29588.42768	7540.772193	13706.05297	-5426.178613	-6303.728224	6665.528406	18966.59631	-10781.72273
	354085.513	368029.382	457463.9677	-350104.376	809469.5171	204232.8173	369000.9298	-145128.0661	-155984.9413	165341.4982	185056.7488	-349421.9565
	35758.27146	85334.39928	111495.6004	-47721.84181	340811.8524	93591.99946	177659.5924	-68207.62674	-95417.0784	128981.8726	74435.99386	-36650.29841

Period	MWH Impact						Revenue Impact				Avg Billed Days	
	RES	SVS	SVS AMS	SVS JDR	SVS AMS	SVS JDR	COM	IND	RES	SVS	CIS	BES
Jan-18	272,398	2,969	35,085	11,521	5,777	1,923	35,952	5,635	6,790,342	49,442	32	32
Feb-18	33,541	260	18,154	5,007	2,433	728	13,766	2,443	836,105	4,328	29	28
Mar-18	819	-342	45,286	25,320	7,621	2,835	46,556	9,803	20,413	-5,700	29	29
Apr-18	53,611	492	21,504	10,453	1,778	749	22,482	7,664	1,336,409	8,190	31	31
May-18	92,541	972	7,820	3,312	833	464	8,017	9,904	2,306,861	16,183	30	30
Jun-18	264,411	2,374	63,729	27,126	12,347	4,602	64,703	27,485	6,591,232	39,538	31	31
Jul-18	19,162	85	12,233	5,233	1,577	577	2,303	493	477,676	1,415	31	31
Aug-18	38,734	257	15,002	6,235	2,141	782	7,057	3,134	965,562	4,272	30	29
Sep-18	-20,437	-202	-4,366	-1,773	-634	-455	-5,017	-2,702	-509,454	-3,360	31	31
Oct-18	107,062	1,047	28,501	11,896	7,511	3,078	29,257	12,767	2,668,851	17,434	30	30
Nov-18	53,793	504	23,351	9,383	4,744	1,865	-3,997	2,605	1,340,951	8,388	30	30
Dec-18	63,128	814	1,657	6,572	2,721	1,071	-1,658	1,790	1,573,667	13,562	32	32
Total	978,763	9,228	214,541	82,399	5,834	18,578	219,422	81,021	24,398,615	153,693		

				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
				0.0	293.9	2035.5	27227.6	14845.1	4834.7	323.4	1.0	148.0	1104.9	26300.5	13493.3	3549.5	151.1	-1.0	145.9	930.5	927.1	1411.9	1285.3	172.3				
				Actual	Normal										Deviation										Customers			
Year	Month	Day	Date	HDH40	HDH55	HDH65	CDH65	CDH72	CDH80	CDH90	HDH40	HDH55	HDH65	CDH65	CDH72	CDH80	CDH90	D_HDH40	D_HDH55	D_HDH65	D_CDH65	D_CDH72	D_CDH80	D_CDH90	RES_CUST	SYS_CUST		
2017	10	1	1-Oct-17	0.0	0.0	0.0	350.3	191.8	75.2	1.7	0.0	0.0	5.6	272.5	128.5	23.6	0.0	0.0	0.0	-5.6	77.9	63.3	51.6	1.7	2,160,609	145,662		
2017	10	2	2-Oct-17	0.0	0.0	0.0	356.3	188.3	43.7	0.0	0.0	0.0	6.2	267.1	125.0	22.5	0.0	0.0	0.0	-6.2	80.1	63.3	21.2	0.0	2,160,609	145,662		
2017	10	3	3-Oct-17	0.0	0.0	0.0	366.9	198.9	15.9	0.0	0.0	0.0	6.8	262.0	121.5	21.4	0.0	0.0	0.0	-6.8	104.9	77.4	-5.4	0.0	2,160,609	145,662		
2017	10	4	4-Oct-17	0.0	0.0	0.0	374.6	206.6	51.8	0.0	0.0	0.1	7.5	257.2	118.5	20.5	0.0	0.0	-0.1	-7.5	117.4	88.2	31.3	0.0	2,160,609	145,662		
2017	10	5	5-Oct-17	0.0	0.0	0.0	321.7	153.7	40.2	0.0	0.0	0.1	8.2	252.6	115.5	19.6	0.0	0.0	-0.1	-8.2	69.1	38.2	20.6	0.0	2,160,609	145,662		
2017	10	6	6-Oct-17	0.0	0.0	0.0	293.8	137.1	42.3	0.0	0.0	0.1	9.0	247.9	112.5	18.7	0.0	0.0	-0.1	-9.0	45.9	24.5	23.6	0.0	2,160,609	145,662		
2017	10	7	7-Oct-17	0.0	0.0	0.0	363.5	195.9	68.0	0.3	0.0	0.1	9.7	243.1	109.4	17.8	0.0	0.0	-0.1	-9.7	120.4	88.4	50.2	0.3	2,160,609	145,662		
2017	10	8	8-Oct-17	0.0	0.0	0.0	437.2	269.2	104.4	7.8	0.0	0.1	10.3	238.3	100.2	16.9	0.0	0.0	-0.1	-10.3	199.0	163.0	87.5	7.8	2,160,609	145,662		
2017	10	9	9-Oct-17	0.0	0.0	0.0	438.7	270.7	111.6	11.1	0.0	0.2	10.9	233.3	102.8	16.0	0.0	0.0	-0.2	-10.9	205.5	167.9	95.7	11.1	2,160,609	145,662		
2017	10	10	10-Oct-17	0.0	0.0	0.0	268.7	106.3	0.0	0.0	0.2	11.7	228.4	99.6	15.0	0.0	0.0	0.0	-0.2	-11.7	40.4	8.8	-15.0	0.0	2,160,609	145,662		
2017	10	11	11-Oct-17	0.0	0.0	0.8	189.4	75.5	11.5	0.0	0.0	0.3	12.5	223.8	96.5	14.2	0.0	0.0	-0.3	-11.7	-34.4	-21.0	-2.7	0.0	2,160,609	145,662		
2017	10	12	12-Oct-17	0.0	0.0	0.0	317.8	174.8	61.3	0.0	0.0	0.4	13.4	219.3	93.6	13.5	0.0	0.0	-0.4	-13.4	98.6	81.2	47.9	0.0	2,160,609	145,662		
2017	10	13	13-Oct-17	0.0	0.0	0.0	390.9	222.9	81.8	0.3	0.0	0.5	14.7	214.4	90.5	12.8	0.0	0.0	-0.5	-14.7	178.5	132.3	69.0	0.3	2,160,609	145,662		
2017	10	14	14-Oct-17	0.0	0.0	0.0	373.2	205.2	69.7	0.0	0.0	0.7	16.3	206.9	87.3	12.1	0.0	0.0	-0.7	-16.3	164.4	118.0	57.6	0.0	2,160,609	145,662		
2017	10	15	15-Oct-17	0.0	0.0	0.0	329.5	161.5	56.7	1.4	0.0	0.9	18.3	202.9	83.8	11.4	0.0	0.0	-0.9	-18.3	128.5	77.7	45.3	1.4	2,160,609	145,662		
2017	10	16	16-Oct-17	0.0	0.0	13.3	118.5	28.6	0.0	0.0	0.0	1.3	20.5	198.4	80.0	10.6	0.0	0.0	-1.3	-7.2	-82.9	-53.4	-10.6	0.0	2,160,609	145,662		
2017	10	17	17-Oct-17	0.0	0.0	87.2	83.4	25.8	0.0	0.0	0.0	1.6	23.0	190.0	76.4	9.9	0.0	0.0	-1.6	64.2	-108.6	-50.6	-9.9	0.0	2,160,609	145,662		
2017	10	18	18-Oct-17	0.0	0.0	66.5	161.3	68.3	9.0	0.0	0.0	2.0	25.7	183.6	72.7	9.2	0.0	0.0	-2.0	40.8	-22.3	-4.4	-0.2	0.0	2,160,609	145,662		
2017	10	19	19-Oct-17	0.0	0.0	0.0	208.4	86.1	12.3	0.0	0.0	2.4	28.4	176.9	68.9	8.3	0.0	0.0	-2.4	-28.4	31.4	17.2	4.0	0.0	2,160,609	145,662		
2017	10	20	20-Oct-17	0.0	0.0	0.0	238.6	74.7	0.0	0.0	0.0	2.9	31.2	170.5	65.1	7.5	0.0	0.0	-2.9	-31.2	69.1	9.5	-7.5	0.0	2,160,609	145,662		
2017	10	21	21-Oct-17	0.0	0.0	0.0	341.2	173.2	41.8	0.0	0.0	3.3	34.0	164.2	61.8	6.8	0.0	0.0	-3.3	-34.0	177.0	111.6	25.0	0.0	2,160,609	145,662		
2017	10	22	22-Oct-17	0.0	0.0	8.8	115.0	21.4	0.0	0.0	0.0	3.7	37.0	158.2	58.3	6.1	0.0	0.0	-3.7	-30.4	-43.2	-36.9	-6.1	0.0	2,160,609	145,662		
2017	10	23	23-Oct-17	0.0	2.9	85.2	100.7	39.6	0.7	0.0	0.0	4.3	40.1	152.4	55.2	5.6	0.0	0.0	-1.3	45.1	-51.7	-15.6	-4.9	0.0	2,160,609	145,662		
2017	10	24	24-Oct-17	0.0	0.0	39.5	102.2	30.9	0.0	0.0	0.0	4.8	43.3	146.7	52.2	5.1	0.0	0.0	-4.8	-3.8	-44.5	-21.3	-5.1	0.0	2,160,609	145,662		
2017	10	25	25-Oct-17	0.0	30.2	138.7	70.4	18.6	0.0	0.0	0.0	5.3	46.8	140.9	49.2	4.6	0.0	0.0	24.8	62.2	-70.5	-30.6	-4.6	0.0	2,160,609	145,662		
2017	10	26	26-Oct-17	0.0	10.4	83.0	149.8	61.6	6.3	0.0	0.0	5.9	49.8	135.0	46.2	4.1	0.0	0.0	4.5	33.1	14.8	15.4	2.1	0.0	2,160,609	145,662		
2017	10	27	27-Oct-17	0.0	5.3	59.0	30.9	0.0	0.0	0.0	0.0	6.4	52.9	129.3	43.2	3.7	0.0	0.0	-1.1	6.1	-88.4	-43.2	-3.7	0.0	2,160,609	145,662		
2017	10	28	28-Oct-17	0.0	92.4	294.6	0.0	0.0	0.0	0.0	0.0	7.0	55.7	124.2	40.4	3.2	0.0	0.0	85.4	239.0	-124.2	-40.4	-3.2	0.0	2,160,609	145,662		
2017	10	29	29-Oct-17	3.0	110.5	257.2	19.7	0.0	0.0	0.0	0.0	7.4	58.0	119.5	37.8	2.5	0.0	3.0	103.1	199.2	-99.9	-37.8	-2.8	0.0	2,160,609	145,662		
2017	10	30	30-Oct-17	0.0	36.2	116.7	104.5	36.6	0.0	0.0	0.0	8.0	60.4	115.2	35.4	2.4	0.0	0.0	28.2	58.3	-10.6	1.2	-2.4	0.0	2,160,609	145,662		
2017	10	31	31-Oct-17	0.0	0.0	4.7	136.8	33.3	0.4	0.0	0.0	8.7	62.8	111.4	33.4	2.1	0.0	0.0	-8.7	-58.2	25.4	-0.1	-1.7	0.0	2,160,609	145,662		
2017	11	1	1-Nov-17	0.0	0.0	0.0	233.7	81.1	3.1	0.0	0.0	8.6	61.6	107.9	30.4	1.4	0.0	0.0	-8.6	-61.6	125.9	50.7	1.7	0.0	2,161,775	145,767		
2017	11	2	2-Nov-17	0.0	0.0	0.0	347.2	179.2	47.4	0.0	0.0	9.4	64.2	104.3	28.6	1.2	0.0	0.0	-9.4	-64.2	242.9	150.6	46.2	0.0	2,161,775	145,767		
2017	11	3	3-Nov-17	0.0	0.0	0.0	334.0	168.0	28.8	0.0	0.1	10.5	67.2	100.9	27.0	1.1	0.0	-0.1	-10.5	-67.2	233.1	139.0	27.5	0.0	2,161,775	145,767		
2017	11	4	4-Nov-17	0.0	0.0	0.0	308.6	140.9	32.7	0.0	0.1	11.7	70.5	97.5	25.4	0.9	0.0	-0.1	-11.7	-70.5	209.0	115.6	31.8	0.0	2,161,775	145,767		
2017	11	5	5-Nov-17	0.0	0.0	0.0	346.7	178.7	46.1	0.0	0.1	13.1	74.0	94.0	23.8	0.8	0.0	-0.1	-13.1	-74.0	252.7	154.9	45.3	0.0	2,161,775	145,767		
2017	11	6	6-Nov-17	0.0	0.0	0.0	347.8	179.8	47.1	0.0	0.1	14.5	77.6	90.4	22.2	0.7	0.0	-0.1	-14.5	-77.6	257.4	157.8	46.4	0.0	2,161,775	145,767		
2017	11	7	7-Nov-17	0.0	0.0	0.0	315.6	152.4	42.8	0.0	0.2	15.8	81.3	86.9	20.7	0.6	0.0	-0.2	-15.8	-81.3	228.7	131.7	42.2	0.0	2,161,775	145,767		
2017	11	8	8-Nov-17	0.0	0.0	115.9	2.5	0.0	0.0	0.0	0.2	17.2	85.0	83.8	19.4	0.5	0.0	-0.2	-17.2	30.9	-81.3	-19.4	-0.5	0.0	2,161,775	145,767		
2017	11	9	9-Nov-17	0.0	10.3	169.1	0.0	0.0	0.0	0.0	0.2	18.8	88.9	81.1	18.3	0.4	0.0	-0.2	-8.5	100.2	-81.1	-18.3	-0.4	0.0	2,161,			

2017	11	30	30-Nov-17	0.0	5.8	119.2	61.6	12.8	0.0	0.0	2.1	89.9	202.3	41.1	7.6	0.0	0.0	-2.1	-64.1	-83.1	20.5	5.2	0.0	0.0	2,161,775	145,767
2017	12	1	1-Dec-17	0.0	24.3	155.2	48.0	6.6	0.0	0.0	3.0	74.0	209.4	41.9	7.9	0.1	0.0	-3.0	-49.7	-54.2	6.2	-1.3	-0.1	0.0	2,164,073	145,282
2017	12	2	2-Dec-17	0.0	27.5	132.5	65.8	15.6	0.0	0.0	3.3	75.2	213.1	41.2	7.6	0.0	0.0	-3.3	-48.7	-80.6	24.7	8.0	0.0	0.0	2,164,073	145,282
2017	12	3	3-Dec-17	0.0	0.0	60.4	41.0	0.0	0.0	0.0	3.5	78.6	217.1	40.6	7.4	0.0	0.0	-3.5	-78.6	-158.6	0.5	-7.4	0.0	0.0	2,164,073	145,282
2017	12	4	4-Dec-17	0.0	0.0	0.0	165.5	40.7	0.0	0.0	3.8	81.2	221.5	39.7	7.1	0.0	0.0	-3.8	-81.2	-221.5	125.8	33.5	0.0	0.0	2,164,073	145,282
2017	12	5	5-Dec-17	0.0	2.3	93.9	61.7	1.8	0.0	0.0	4.1	83.5	225.6	38.8	6.9	0.0	0.0	-4.1	-81.2	-131.7	22.9	-5.1	0.0	0.0	2,164,073	145,282
2017	12	6	6-Dec-17	0.0	233.1	473.1	0.0	0.0	0.0	0.0	4.3	85.2	228.5	38.3	6.7	0.0	0.0	-4.3	147.9	244.7	-38.3	-6.7	0.0	0.0	2,164,073	145,282
2017	12	7	7-Dec-17	11.8	295.2	535.2	0.0	0.0	0.0	0.0	4.5	86.1	229.8	38.4	6.6	0.0	0.0	7.1	209.1	305.4	-38.4	-6.6	0.0	0.0	2,164,073	145,282
2017	12	8	8-Dec-17	113.7	468.3	708.3	0.0	0.0	0.0	0.0	4.5	86.4	230.0	38.6	6.5	0.0	0.0	109.2	381.9	478.2	-38.6	-6.5	0.0	0.0	2,164,073	145,282
2017	12	9	9-Dec-17	73.7	291.4	508.4	0.0	0.0	0.0	0.0	4.6	86.4	229.6	38.9	6.5	0.0	0.0	69.1	205.1	278.8	-38.9	-6.5	0.0	0.0	2,164,073	145,282
2017	12	10	10-Dec-17	10.8	180.6	375.9	0.0	0.0	0.0	0.0	4.6	86.2	229.1	39.0	6.3	0.0	0.0	6.2	84.4	146.8	-39.0	-6.3	0.0	0.0	2,164,073	145,282
2017	12	11	11-Dec-17	0.0	108.2	256.3	37.8	4.0	0.0	0.0	4.5	85.7	227.8	39.4	6.3	0.0	0.0	-4.5	22.5	28.5	-1.6	-2.3	0.0	0.0	2,164,073	145,282
2017	12	12	12-Dec-17	0.0	74.9	267.5	0.0	0.0	0.0	0.0	4.4	85.1	226.6	39.7	6.3	0.0	0.0	-4.4	-10.2	41.0	-39.7	-6.3	0.0	0.0	2,164,073	145,282
2017	12	13	13-Dec-17	26.4	205.0	434.1	0.0	0.0	0.0	0.0	4.3	84.7	225.5	40.0	6.3	0.0	0.0	22.1	120.3	208.6	-40.0	-6.3	0.0	0.0	2,164,073	145,282
2017	12	14	14-Dec-17	0.0	79.9	260.4	0.0	0.0	0.0	0.0	4.3	84.6	224.9	40.5	6.3	0.1	0.0	-4.3	-4.6	35.5	-40.5	-6.3	-0.1	0.0	2,164,073	145,282
2017	12	15	15-Dec-17	0.0	115.9	355.9	0.0	0.0	0.0	0.0	4.2	85.1	225.3	40.9	6.4	0.1	0.0	-4.2	30.8	130.6	-40.9	-6.4	-0.1	0.0	2,164,073	145,282
2017	12	16	16-Dec-17	0.0	97.8	325.0	0.0	0.0	0.0	0.0	4.2	85.9	226.6	41.0	6.4	0.1	0.0	-4.2	11.9	98.4	-41.0	-6.4	-0.1	0.0	2,164,073	145,282
2017	12	17	17-Dec-17	0.0	62.1	248.6	0.0	0.0	0.0	0.0	4.1	86.5	227.7	41.0	6.5	0.1	0.0	-4.1	-24.4	20.9	-41.0	-6.5	-0.1	0.0	2,164,073	145,282
2017	12	18	18-Dec-17	0.0	0.0	65.3	14.9	0.0	0.0	0.0	4.0	87.0	228.6	41.1	6.5	0.1	0.0	-4.0	-87.0	-163.3	-28.2	-6.5	-0.1	0.0	2,164,073	145,282
2017	12	19	19-Dec-17	0.0	0.0	0.0	172.2	43.0	0.0	0.0	3.9	87.8	229.9	41.2	6.5	0.0	0.0	-3.9	-87.8	-229.9	131.0	36.6	0.0	0.0	2,164,073	145,282
2017	12	20	20-Dec-17	0.0	0.0	31.9	85.8	19.9	0.0	0.0	3.8	89.1	232.0	41.2	6.5	0.0	0.0	-3.8	-89.1	-200.1	44.6	13.4	0.0	0.0	2,164,073	145,282
2017	12	21	21-Dec-17	0.0	17.5	100.1	137.6	42.3	0.0	0.0	3.7	91.0	235.3	40.8	6.5	0.0	0.0	-3.7	-73.5	-135.2	96.9	35.8	0.0	0.0	2,164,073	145,282
2017	12	22	22-Dec-17	0.0	21.4	58.2	199.7	62.3	0.0	0.0	3.7	93.7	239.6	40.0	6.4	0.0	0.0	-3.7	-72.3	-181.5	159.7	55.9	0.0	0.0	2,164,073	145,282
2017	12	23	23-Dec-17	0.0	175.5	415.0	0.0	0.0	0.0	0.0	3.8	96.9	245.1	39.1	6.3	0.0	0.0	-3.8	78.8	169.9	-39.1	-6.3	0.0	0.0	2,164,073	145,282
2017	12	24	24-Dec-17	0.2	164.7	344.4	4.8	0.0	0.0	0.0	4.0	100.4	251.2	38.2	6.3	0.0	0.0	-3.8	64.3	93.1	-33.4	-6.3	0.0	0.0	2,164,073	145,282
2017	12	25	25-Dec-17	8.1	213.5	453.5	0.0	0.0	0.0	0.0	4.3	104.0	257.3	37.3	6.2	0.0	0.0	1.8	108.6	196.2	-37.3	-6.2	0.0	0.0	2,164,073	145,282
2017	12	26	26-Dec-17	0.0	130.8	370.8	0.0	0.0	0.0	0.0	4.7	107.7	263.8	38.0	6.1	0.0	0.0	-4.7	23.1	107.0	-36.0	-6.1	0.0	0.0	2,164,073	145,282
2017	12	27	27-Dec-17	0.0	299.9	539.9	0.0	0.0	0.0	0.0	5.1	111.5	270.4	34.5	5.9	0.0	0.0	-5.1	188.4	269.5	-34.5	-5.9	0.0	0.0	2,164,073	145,282
2017	12	28	28-Dec-17	6.9	327.2	567.2	0.0	0.0	0.0	0.0	5.6	115.3	277.1	32.7	5.5	0.0	0.0	1.4	211.8	290.0	-32.7	-5.5	0.0	0.0	2,164,073	145,282
2017	12	29	29-Dec-17	0.0	184.2	404.2	0.0	0.0	0.0	0.0	6.0	119.2	283.8	30.7	5.1	0.0	0.0	-6.0	45.1	120.5	-30.7	-5.1	0.0	0.0	2,164,073	145,282
2017	12	30	30-Dec-17	0.0	27.8	249.1	0.0	0.0	0.0	0.0	6.5	122.6	289.8	28.8	4.7	0.0	0.0	-6.5	-95.0	-40.5	-28.8	-4.7	0.0	0.0	2,164,073	145,282
2017	12	31	31-Dec-17	0.5	189.1	429.1	0.0	0.0	0.0	0.0	7.0	125.7	294.6	27.2	4.3	0.0	0.0	-6.5	63.4	134.5	-27.2	-4.3	0.0	0.0	2,164,073	145,282
2018	1	1	1-Jan-18	122.7	482.7	722.7	0.0	0.0	0.0	0.0	8.1	131.0	302.9	22.4	2.9	0.0	0.0	114.6	351.8	419.9	-22.4	-2.9	0.0	0.0	2,166,436	143,500
2018	1	2	2-Jan-18	210.5	570.5	810.5	0.0	0.0	0.0	0.0	8.8	134.6	308.5	21.0	2.6	0.0	0.0	201.8	436.0	502.1	-21.0	-2.6	0.0	0.0	2,166,436	143,500
2018	1	3	3-Jan-18	171.8	511.3	751.3	0.0	0.0	0.0	0.0	9.5	136.0	313.7	19.8	2.4	0.0	0.0	162.2	373.4	437.8	-19.8	-2.4	0.0	0.0	2,166,436	143,500
2018	1	4	4-Jan-18	85.8	344.8	584.8	0.0	0.0	0.0	0.0	10.2	140.7	318.0	18.5	2.2	0.0	0.0	75.6	204.1	266.8	-18.5	-2.2	0.0	0.0	2,166,436	143,500
2018	1	5	5-Jan-18	0.0	212.6	452.3	0.0	0.0	0.0	0.0	10.9	142.8	321.2	17.3	1.9	0.0	0.0	-10.9	69.8	131.1	-17.3	-1.9	0.0	0.0	2,166,436	143,500
2018	1	6	6-Jan-18	20.7	181.7	383.4	0.0	0.0	0.0	0.0	11.6	144.2	323.4	16.4	1.7	0.0	0.0	9.1	37.5	60.1	-16.4	-1.7	0.0	0.0	2,166,436	143,500
2018	1	7	7-Jan-18	0.0	41.0	162.8	8.0	0.0	0.0	0.0	12.1	145.0	324.7	15.6	1.6	0.0	0.0	-12.1	-104.0	-161.9	-7.8	-1.6	0.0	0.0	2,166,436	143,500
2018	1	8	8-Jan-18	0.0	13.9	136.7	1.0	0.0	0.0	0.0	12.8	148.0	326.2	14.3	1.2	0.0	0.0	-12.8	-132.1	-189.5	-13.3	-1.2	0.0	0.0	2,166,436	143,500
2018	1	9	9-Jan-18	0.0	116.8	356.8	0.0	0.0	0.0	0.0	12.9	146.1	326.4	13.6	1.1	0.0	0.0	-12.9	-29.3	30.4	-13.6	-1.1	0.0	0.0	2,166,436	143,500
2018	1	10	10-Jan-18	0.0	24.2	157.0	11.2	0.0	0.0	0.0	12.9	148.1	326.7	13.0	0.9	0.0	0.0	-12.9	-121.9	-169.7	-1.6	-0.9	0.0	0.0	2,166,436	143,500
2018	1	11	11-Jan-18	0.0	54.7	144.8	11.7	0.0	0.0	0.0	12.8	145.8	326.6	12.5	0.8	0.0	0.0	-12.8	-91.0	-181.8	-0.9	-0.8	0.0	0.0	2,166,436	143,500
2018	1	12	12-Jan-18	53.4	366.5	606.5	0.0	0.0	0.0	0.0	12.5	144.8	325.5	12.4	0.7	0.0	0.0	40.9	221.7	281.0	-12.4	-0.7	0.0	0.0	2,166,436	143,500
2018	1	13	13-Jan-18	60.6	346.3	586.3	0.0	0.0	0.0	0.0	12.2	143.1	323.7	12.3	0.7	0.0	0.0	48.4	203.1	262.5	-12.3	-0.7	0.0	0.0	2,166,436	143,500
2018	1	14	14-Jan-18	61.2	342.5	582.5	0.0	0.0	0.0	0.0	11.9	141.1	321.5	12.2	0.7	0.0	0.0	49.3	201.3	261.0	-12.2	-0.7	0.0	0.0	2,166,436	143,500
2018	1	15	15-Jan-18	12.3	142.5	317.4	0.8	0.0	0.0	0.0	11.7	139.0	318.8	12.3	0.7	0.0	0.0	0.6	3.5	-1.4	-11.6	-0.7	0.0	0.0	2,166,436	143,500
2018	1	16	16-Jan-18	229.9	550.2	790.2	0.0	0.0	0.0	0.0	11.4	136.5	315.3	12.5	0.7	0.0	0.0	218.6	413.7	474.9	-12.5	-0.7	0.0	0.0	2,166,436	143,500
2018	1	17	17-Jan-18	299.0	659.0	899.0	0.0	0.0	0.0	0.0	10.9	133.3	310.9	12.7	0.7	0.0	0.0	288.0	525.7	588.1	-12.7	-0.7	0.0	0.0	2,166,436	143,500
2018	1	18	18-Jan-18	188.0	548.0	788.0	0.0	0.0	0.0	0.0	10.4	130.0	306.1	13.0</												

2018	2	6	6-Feb-18	0.0	0.0	45.2	78.6	3.8	0.0	0.0	0.0	12.3	117.1	274.4	20.0	1.3	0.0	0.0	-12.3	-117.1	-229.1	58.6	2.5	0.0	0.0	2,168,465	143,778
2018	2	7	7-Feb-18	0.0	222.8	458.8	0.0	0.0	0.0	0.0	0.0	11.9	114.8	270.0	20.3	1.3	0.0	0.0	-11.9	108.2	188.8	-20.3	-1.3	0.0	0.0	2,168,465	143,778
2018	2	8	8-Feb-18	1.8	157.6	397.8	0.0	0.0	0.0	0.0	0.0	11.5	111.7	265.1	20.8	1.3	0.0	0.0	-9.8	45.8	132.5	-20.8	-1.3	0.0	0.0	2,168,465	143,778
2018	2	9	9-Feb-18	0.0	2.2	99.0	32.7	0.0	0.0	0.0	0.0	11.2	109.4	260.7	21.3	1.4	0.0	0.0	-11.2	-107.2	-161.7	11.5	-1.4	0.0	0.0	2,168,465	143,778
2018	2	10	10-Feb-18	0.0	5.0	43.7	33.9	0.0	0.0	0.0	0.0	10.9	107.3	256.4	21.8	1.5	0.0	0.0	-10.9	-102.2	-212.7	12.1	-1.5	0.0	0.0	2,168,465	143,778
2018	2	11	11-Feb-18	7.4	318.2	558.2	0.0	0.0	0.0	0.0	0.0	10.4	104.5	251.4	22.4	1.5	0.0	0.0	-2.9	213.7	306.8	-22.4	-1.5	0.0	0.0	2,168,465	143,778
2018	2	12	12-Feb-18	30.8	337.3	577.3	0.0	0.0	0.0	0.0	0.0	9.7	101.1	245.5	23.1	1.6	0.0	0.0	21.1	236.3	331.8	-23.1	-1.6	0.0	0.0	2,168,465	143,778
2018	2	13	13-Feb-18	0.0	153.8	393.8	0.0	0.0	0.0	0.0	0.0	9.1	97.3	239.2	24.0	1.6	0.0	0.0	-9.1	56.3	154.4	-24.0	-1.6	0.0	0.0	2,168,465	143,778
2018	2	14	14-Feb-18	0.0	1.5	61.9	115.8	32.0	0.0	0.0	0.0	8.4	93.4	232.3	25.2	2.0	0.0	0.0	-8.4	-92.0	-170.4	90.7	30.0	0.0	0.0	2,168,465	143,778
2018	2	15	15-Feb-18	0.0	0.0	0.0	173.8	45.9	0.0	0.0	0.0	7.7	89.3	224.7	26.7	2.2	0.0	0.0	-7.7	-89.3	-224.7	147.0	43.8	0.0	0.0	2,168,465	143,778
2018	2	16	16-Feb-18	0.0	0.0	0.0	168.0	50.0	0.0	0.0	0.0	7.1	85.0	217.2	28.5	2.6	0.0	0.0	-7.1	-85.0	-217.2	139.5	47.5	0.0	0.0	2,168,465	143,778
2018	2	17	17-Feb-18	0.0	0.0	17.4	87.6	15.8	0.0	0.0	0.0	6.3	80.6	209.2	30.5	2.9	0.0	0.0	-6.3	-80.6	-191.8	57.2	12.9	0.0	0.0	2,168,465	143,778
2018	2	18	18-Feb-18	0.0	0.0	40.9	100.4	22.4	0.0	0.0	0.0	5.7	76.4	201.8	32.5	3.3	0.0	0.0	-5.7	-76.4	-160.9	67.9	19.1	0.0	0.0	2,168,465	143,778
2018	2	19	19-Feb-18	0.0	0.0	0.0	184.8	37.8	0.0	0.0	0.0	5.3	72.9	195.2	34.4	3.6	0.0	0.0	-5.3	-72.9	-195.2	150.5	34.1	0.0	0.0	2,168,465	143,778
2018	2	20	20-Feb-18	0.0	0.0	0.0	214.0	52.3	0.0	0.0	0.0	4.9	70.1	189.7	36.3	4.0	0.0	0.0	-4.9	-70.1	-189.7	177.7	48.4	0.0	0.0	2,168,465	143,778
2018	2	21	21-Feb-18	0.0	1.4	61.5	75.2	2.9	0.0	0.0	0.0	4.6	68.0	185.8	38.0	4.3	0.0	0.0	-4.6	-68.6	-124.1	37.1	-1.4	0.0	0.0	2,168,465	143,778
2018	2	22	22-Feb-18	0.0	13.4	116.4	49.0	0.3	0.0	0.0	0.0	4.4	68.8	183.3	39.4	4.7	0.0	0.0	-4.4	-63.4	-87.0	6.6	-4.4	0.0	0.0	2,168,465	143,778
2018	2	23	23-Feb-18	0.0	0.0	31.1	144.1	40.4	0.0	0.0	0.0	4.2	66.1	181.7	40.8	5.0	0.0	0.0	-4.2	-66.1	-150.5	103.3	35.4	0.0	0.0	2,168,465	143,778
2018	2	24	24-Feb-18	0.0	0.0	0.0	236.9	68.9	0.0	0.0	0.0	4.0	64.9	179.6	42.1	5.3	0.0	0.0	-4.0	-64.9	-179.6	194.5	83.6	0.0	0.0	2,168,465	143,778
2018	2	25	25-Feb-18	0.0	0.0	108.2	20.0	1.2	0.0	0.0	0.0	3.7	63.3	177.3	43.4	5.6	0.0	0.0	-3.7	-63.3	-69.1	-23.4	-4.4	0.0	0.0	2,168,465	143,778
2018	2	26	26-Feb-18	0.0	0.0	97.5	20.5	0.0	0.0	0.0	0.0	3.5	61.9	175.0	44.6	5.9	0.0	0.0	-3.5	-61.9	-77.5	-24.1	-5.9	0.0	0.0	2,168,465	143,778
2018	2	27	27-Feb-18	0.0	0.0	16.6	136.4	36.1	0.0	0.0	0.0	3.3	60.4	172.6	45.8	6.1	0.0	0.0	-3.3	-60.4	-158.1	90.6	30.0	0.0	0.0	2,168,465	143,778
2018	2	28	28-Feb-18	0.0	0.0	0.0	249.9	81.9	4.3	0.0	0.0	3.2	58.9	170.1	46.8	6.3	0.0	0.0	-3.2	-58.9	-170.1	203.2	75.7	4.3	0.0	2,168,465	143,778
2018	3	1	1-Mar-18	0.0	0.0	3.0	149.0	31.8	0.0	0.0	0.0	3.2	55.9	168.2	47.8	6.8	0.0	0.0	-3.2	-55.9	-165.2	101.2	24.8	0.0	0.0	2,171,715	144,915
2018	3	2	2-Mar-18	0.0	0.0	76.5	44.8	0.0	0.0	0.0	0.0	3.2	55.0	167.0	48.1	6.9	0.0	0.0	-3.2	-55.0	-90.4	-3.4	-6.9	0.0	0.0	2,171,715	144,915
2018	3	3	3-Mar-18	0.0	2.8	79.8	53.7	1.3	0.0	0.0	0.0	3.2	54.2	165.5	48.4	7.0	0.1	0.0	-3.2	-51.6	-85.9	5.3	-5.7	-0.1	0.0	2,171,715	144,915
2018	3	4	4-Mar-18	0.0	0.0	0.0	125.7	15.5	0.0	0.0	0.0	3.1	52.9	163.2	49.1	7.3	0.1	0.0	-3.1	-52.9	-163.2	76.7	8.3	-0.1	0.0	2,171,715	144,915
2018	3	5	5-Mar-18	0.0	0.0	0.0	190.4	52.6	0.0	0.0	0.0	2.9	51.0	159.8	49.9	7.5	0.1	0.0	-2.9	-51.0	-159.8	140.4	45.1	-0.1	0.0	2,171,715	144,915
2018	3	6	6-Mar-18	0.0	0.0	79.3	37.8	0.3	0.0	0.0	0.0	2.6	48.7	155.7	51.0	7.8	0.1	0.0	-2.6	-48.7	-76.3	-13.4	-7.5	-0.1	0.0	2,171,715	144,915
2018	3	7	7-Mar-18	0.0	26.8	199.5	0.0	0.0	0.0	0.0	0.0	2.4	46.1	150.6	52.3	8.1	0.1	0.0	-2.4	-20.5	48.9	-52.3	-8.1	-0.1	0.0	2,171,715	144,915
2018	3	8	8-Mar-18	0.0	45.8	222.0	0.0	0.0	0.0	0.0	0.0	2.1	42.8	144.2	54.0	8.4	0.2	0.0	-2.1	2.9	77.8	-54.0	-8.4	-0.2	0.0	2,171,715	144,915
2018	3	9	9-Mar-18	0.0	47.9	133.7	52.7	0.0	0.0	0.0	0.0	1.8	39.5	137.5	55.6	8.8	0.2	0.0	-1.8	8.4	-3.8	-2.9	-8.8	-0.2	0.0	2,171,715	144,915
2018	3	10	10-Mar-18	0.0	0.0	0.0	186.6	62.0	4.1	0.0	0.0	1.5	36.4	131.1	57.3	9.2	0.2	0.0	-1.5	-36.4	-131.1	129.3	52.8	3.9	0.0	2,171,715	144,915
2018	3	11	11-Mar-18	0.0	0.0	10.0	148.7	23.3	0.0	0.0	0.0	1.3	33.8	125.0	59.1	9.7	0.2	0.0	-1.3	-33.8	-115.0	87.5	13.6	-0.2	0.0	2,171,715	144,915
2018	3	12	12-Mar-18	0.0	31.9	196.4	1.4	0.0	0.0	0.0	0.0	1.2	31.1	119.3	61.1	10.2	0.3	0.0	-1.2	0.8	77.1	-59.7	-10.2	-0.3	0.0	2,171,715	144,915
2018	3	13	13-Mar-18	0.0	57.2	197.3	17.9	0.0	0.0	0.0	0.0	1.0	28.8	113.8	63.4	10.9	0.3	0.0	-1.0	28.4	83.6	-45.5	-10.9	-0.3	0.0	2,171,715	144,915
2018	3	14	14-Mar-18	0.0	44.7	179.6	20.2	0.0	0.0	0.0	0.0	0.8	26.6	108.4	65.9	11.5	0.3	0.0	-0.8	18.1	71.2	-45.6	-11.5	-0.3	0.0	2,171,715	144,915
2018	3	15	15-Mar-18	0.0	24.0	105.7	59.1	0.3	0.0	0.0	0.0	0.7	24.4	103.0	68.2	12.1	0.3	0.0	-0.7	-0.4	2.7	-9.2	-11.8	-0.3	0.0	2,171,715	144,915
2018	3	16	16-Mar-18	0.0	0.0	0.0	202.7	66.9	3.3	0.0	0.0	0.5	22.2	97.2	70.9	12.8	0.3	0.0	-0.5	-22.2	-97.2	131.9	54.1	3.0	0.0	2,171,715	144,915
2018	3	17	17-Mar-18	0.0	0.0	0.0	207.8	60.3	2.0	0.0	0.0	0.3	20.0	91.7	73.8	13.5	0.3	0.0	-0.3	-20.0	-91.7	134.0	46.8	1.7	0.0	2,171,715	144,915
2018	3	18	18-Mar-18	0.0	0.0	0.0	231.7	77.6	5.4	0.0	0.0	0.2	18.0	86.4	76.7	14.2	0.4	0.0	-0.2	-18.0	-86.4	155.0	63.3	5.1	0.0	2,171,715	144,915
2018	3	19	19-Mar-18	0.0	0.0	0.0	243.9	91.6	17.3	0.0	0.0	0.1	16.3	81.7	79.4	14.9	0.3	0.0	-0.1	-16.3	-81.7	164.6	76.8	17.0	0.0	2,171,715	144,915
2018	3	20	20-Mar-18	0.0	2.2	102.1	30.8	0.0	0.0	0.0	0.0	0.1	15.1	77.7	82.1	15.6	0.4	0.0	-0.1	-12.9	24.4	-51.4	-15.6	-0.4	0.0	2,171,715	144,915
2018	3	21	21-Mar-18	0.0	34.8	140.3	58.3	7.2	0.0	0.0	0.0	0.1	14.0	74.0	85.0	16.4	0.3	0.0	-0.1	20.8	68.3	-26.7	-9.2	-0.3	0.0	2,171,715	144,915
2018	3	22	22-Mar-18	0.0	16.1	107.7	64.5	6.5	0.0	0.0	0.0	0.1	13.0	70.5	87.8	17.2	0.4	0.0	-0.1	3.1	37.2	-23.3	-8.7	-0.4	0.0	2,171,715	144,915
2018	3	23	23-Mar-18	0.0	0.0	42.7	142.1	43.7	0.0	0.0	0.0	0.1	12.2	67.7	90.3	18.0	0.4	0.0	-0.1	-12.2	-25.0	51.8	25.7	-0.4	0.0	2,171,715	144,915
2018	3	24	24-Mar-18	0.0	0.0	0.0	197.3	54.5	0.0	0.0	0.0	0.0	11.6	65.4	92.7	18.8	0.4	0.0	0.0	-11.6	-65.4	104.6	35.7	-0.4	0.0	2,171,715	144,915
2018	3	25	25-Mar-18	0.0	0.0	0.0	189.8	65.2	8.3	0.0	0.0	0.0	11.1	63.4	95.3	19.6	0.4	0.0	0.0	-11.1	-63.4	-94.5	45.5	5.9	0.0	2,171,715	144,915
2018	3	26	26-Mar-18	0.0	0.0	0.0	221.4	73.0	0.0	0.0</																	

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[illegible]

2018	8	29	29-Aug-18	0.0	0.0	0.0	349.7	181.7	22.0	0.0	0.0	0.0	0.0	434.2	266.4	92.3	6.8	0.0	0.0	0.0	-84.5	-84.7	-70.3	-5.6	2,186,660	148,618	
2018	8	30	30-Aug-18	0.0	0.0	0.0	417.6	249.6	96.4	2.5	0.0	0.0	0.0	431.6	263.8	90.5	6.2	0.0	0.0	0.0	-14.0	-14.2	5.8	-3.7	2,186,660	148,618	
2018	8	31	31-Aug-18	0.0	0.0	0.0	462.4	294.4	123.4	14.7	0.0	0.0	0.0	428.6	261.0	88.5	5.8	0.0	0.0	0.0	33.8	33.4	34.9	8.9	2,186,660	148,618	
2018	9	1	1-Sep-18	0.0	0.0	0.0	410.1	242.1	82.9	0.0	0.0	0.0	0.0	425.3	256.0	83.1	3.8	0.0	0.0	0.0	-15.1	-13.9	-20.2	-3.6	2,186,211	149,476	
2018	9	2	2-Sep-18	0.0	0.0	0.0	328.2	160.2	5.2	0.0	0.0	0.0	0.0	421.7	252.7	81.0	3.3	0.0	0.0	0.0	-93.5	-92.5	-75.8	-3.3	2,186,211	149,476	
2018	9	3	3-Sep-18	0.0	0.0	0.0	286.8	118.8	0.0	0.0	0.0	0.0	0.0	417.8	248.9	78.8	3.0	0.0	0.0	0.0	-130.9	-130.1	-78.6	-3.0	2,186,211	149,476	
2018	9	4	4-Sep-18	0.0	0.0	0.0	373.4	205.4	42.8	0.0	0.0	0.0	0.0	413.3	244.8	76.0	2.7	0.0	0.0	0.0	-40.0	-39.4	-33.1	-2.7	2,186,211	149,476	
2018	9	5	5-Sep-18	0.0	0.0	0.0	430.7	262.7	83.3	0.0	0.0	0.0	0.0	408.7	240.4	73.3	2.4	0.0	0.0	0.0	22.0	22.3	10.0	-2.4	2,186,211	149,476	
2018	9	6	6-Sep-18	0.0	0.0	0.0	415.2	246.2	72.4	0.0	0.0	0.0	0.0	403.8	235.8	70.6	2.2	0.0	0.0	0.0	12.4	12.4	1.8	-2.2	2,186,211	149,476	
2018	9	7	7-Sep-18	0.0	0.0	0.0	415.3	247.3	71.9	0.0	0.0	0.0	0.0	398.8	231.2	67.9	1.9	0.0	0.0	0.0	16.5	16.1	4.0	-1.9	2,186,211	149,476	
2018	9	8	8-Sep-18	0.0	0.0	0.0	415.0	247.0	81.8	1.5	0.0	0.0	0.0	394.1	228.7	65.4	1.7	0.0	0.0	0.0	20.9	20.3	16.2	-0.2	2,186,211	149,476	
2018	9	9	9-Sep-18	0.0	0.0	0.0	317.3	149.3	23.3	0.0	0.0	0.0	0.0	389.4	222.3	63.0	1.5	0.0	0.0	0.0	-72.1	-73.0	-39.7	-1.5	2,186,211	149,476	
2018	9	10	10-Sep-18	0.0	0.0	0.0	267.0	99.0	0.0	0.0	0.0	0.0	0.0	384.6	217.8	60.7	1.4	0.0	0.0	0.0	-117.6	-118.8	-80.7	-1.4	2,186,211	149,476	
2018	9	11	11-Sep-18	0.0	0.0	0.0	265.3	97.3	0.0	0.0	0.0	0.0	0.0	379.9	213.3	58.4	1.2	0.0	0.0	0.0	-114.6	-116.0	-58.4	-1.2	2,186,211	149,476	
2018	9	12	12-Sep-18	0.0	0.0	0.0	333.3	165.3	20.5	0.0	0.0	0.0	0.0	375.1	208.9	56.1	1.1	0.0	0.0	0.0	-41.9	-43.6	-35.6	-1.1	2,186,211	149,476	
2018	9	13	13-Sep-18	0.0	0.0	0.0	334.1	166.1	15.5	0.0	0.0	0.0	0.0	370.3	204.4	53.9	1.0	0.0	0.0	0.0	-36.2	-38.3	-38.4	-1.0	2,186,211	149,476	
2018	9	14	14-Sep-18	0.0	0.0	0.0	272.1	104.1	0.0	0.0	0.0	0.0	0.0	365.8	200.1	51.8	0.9	0.0	0.0	0.0	-93.5	-95.9	-51.8	-0.9	2,186,211	149,476	
2018	9	15	15-Sep-18	0.0	0.0	0.0	391.8	223.6	71.5	0.0	0.0	0.0	0.0	361.1	195.8	49.8	0.8	0.0	0.0	0.0	30.5	27.7	21.8	-0.8	2,186,211	149,476	
2018	9	16	16-Sep-18	19.9	34.9	44.9	407.4	246.4	98.7	6.6	0.0	0.0	0.0	356.5	191.6	47.8	0.7	19.9	34.9	44.8	50.9	54.8	48.8	5.9	2,186,211	149,476	
2018	9	17	17-Sep-18	0.0	0.0	1.5	447.1	286.1	123.4	17.8	0.0	0.0	0.0	352.0	187.5	46.0	0.6	0.0	0.0	1.4	95.1	98.8	77.4	17.2	2,186,211	149,476	
2018	9	18	18-Sep-18	0.0	0.0	0.0	493.9	325.9	135.8	20.0	0.0	0.0	0.0	347.8	183.6	44.2	0.5	0.0	0.0	-0.1	146.4	142.4	94.0	19.4	2,186,211	149,476	
2018	9	19	19-Sep-18	0.0	0.0	0.0	449.1	281.1	103.6	7.2	0.0	0.0	0.0	343.0	179.8	42.8	0.5	0.0	0.0	-0.1	106.1	101.5	61.0	6.6	2,186,211	149,476	
2018	9	20	20-Sep-18	0.0	0.0	0.0	397.1	229.1	56.2	0.0	0.0	0.0	0.0	338.2	175.6	41.0	0.5	0.0	0.0	-0.1	58.9	53.5	15.2	-0.5	2,186,211	149,476	
2018	9	21	21-Sep-18	0.0	0.0	0.0	384.9	218.9	31.0	0.0	0.0	0.0	0.0	333.4	171.6	39.4	0.5	0.0	0.0	-0.2	51.5	45.2	-8.4	-0.5	2,186,211	149,476	
2018	9	22	22-Sep-18	0.0	0.0	0.0	327.6	159.6	13.4	0.0	0.0	0.0	0.0	328.5	167.8	38.0	0.4	0.0	0.0	-0.2	-0.8	-8.2	-24.5	-0.4	2,186,211	149,476	
2018	9	23	23-Sep-18	0.0	0.0	0.0	277.4	111.2	12.9	0.0	0.0	0.0	0.0	0.3	323.5	163.9	36.5	0.4	0.0	0.0	-0.3	-46.1	-52.6	-23.6	-0.4	2,186,211	149,476
2018	9	24	24-Sep-18	0.0	0.0	0.0	340.0	175.6	52.3	0.0	0.0	0.0	0.0	0.4	318.5	160.1	35.1	0.4	0.0	0.0	-0.4	21.5	15.8	17.2	-0.4	2,186,211	149,476
2018	9	25	25-Sep-18	0.0	0.0	0.0	370.9	202.9	48.7	0.0	0.0	0.0	0.0	0.4	313.3	156.3	33.7	0.3	0.0	0.0	-0.4	57.8	46.8	15.0	-0.3	2,186,211	149,476
2018	9	26	26-Sep-18	0.0	0.0	0.0	334.4	166.4	20.7	0.0	0.0	0.0	0.0	0.6	307.7	152.3	32.2	0.3	0.0	0.0	-0.6	26.7	14.1	-11.5	-0.3	2,186,211	149,476
2018	9	27	27-Sep-18	0.0	0.0	0.0	229.4	65.1	0.0	0.0	0.0	0.0	0.0	0.7	301.9	148.1	30.7	0.3	0.0	0.0	-0.7	-72.4	-83.1	-30.7	-0.3	2,186,211	149,476
2018	9	28	28-Sep-18	0.0	0.0	0.0	254.2	100.6	3.4	0.0	0.0	0.0	0.0	0.8	296.1	144.1	29.2	0.2	0.0	0.0	-0.8	-41.9	-43.8	-25.9	-0.2	2,186,211	149,476
2018	9	29	29-Sep-18	0.0	0.0	0.0	253.7	85.7	0.0	0.0	0.0	0.0	0.0	0.9	290.4	140.1	27.8	0.2	0.0	0.0	-0.9	-36.7	-54.4	-27.8	-0.2	2,186,211	149,476
2018	9	30	30-Sep-18	0.0	0.0	0.0	277.2	109.2	6.2	0.0	0.0	0.0	0.0	1.0	284.9	136.3	26.4	0.2	0.0	0.0	-1.0	-7.7	-27.1	-20.3	-0.2	2,186,211	149,476
2018	10	1	1-Oct-18	0.0	0.0	0.0	273.1	105.1	5.7	0.0	0.0	0.0	0.0	5.8	272.5	128.5	23.8	0.0	0.0	0.0	-5.6	0.6	-23.4	-17.9	0.0	2,192,423	149,950
2018	10	2	2-Oct-18	0.0	0.0	0.0	337.1	169.1	44.4	0.0	0.0	0.0	0.0	6.2	287.1	125.0	22.5	0.0	0.0	0.0	-6.2	70.0	44.2	22.0	0.0	2,192,423	149,950
2018	10	3	3-Oct-18	0.0	0.0	0.0	379.0	211.0	59.8	0.0	0.0	0.0	0.0	8.8	282.0	121.5	21.4	0.0	0.0	0.0	-8.8	117.0	89.5	36.4	0.0	2,192,423	149,950
2018	10	4	4-Oct-18	0.0	0.0	0.0	387.3	219.3	69.0	0.0	0.0	0.0	0.1	7.5	257.2	118.5	20.6	0.0	0.0	-0.1	-7.5	130.1	100.9	48.6	0.0	2,192,423	149,950
2018	10	5	5-Oct-18	0.0	0.0	0.0	392.5	224.5	65.0	0.0	0.0	0.0	0.1	8.2	252.6	115.5	19.6	0.0	0.0	-0.1	-8.2	139.9	109.0	45.4	0.0	2,192,423	149,950
2018	10	6	6-Oct-18	0.0	0.0	0.0	406.1	238.1	75.5	0.3	0.0	0.1	9.0	247.9	112.5	18.7	0.0	0.0	-0.1	-9.0	158.2	125.5	58.8	0.2	2,192,423	149,950	
2018	10	7	7-Oct-18	0.0	0.0	0.0	388.1	220.1	55.6	0.0	0.0	0.1	9.7	243.1	109.4	17.8	0.0	0.0	-0.1	-9.7	145.0	110.7	37.7	0.0	2,192,423	149,950	
2018	10	8	8-Oct-18	0.0	0.0	0.0	357.0	189.0	39.9	0.0	0.0	0.1	10.3	238.3	106.2	16.9	0.0	0.0	-0.1	-10.3	118.8	82.8	23.0	0.0	2,192,423	149,950	
2018	10	9	9-Oct-18	0.0	0.0	0.0	370.8	202.8	54.1	0.0	0.0	0.2	10.9	233.3	102.8	16.0	0.0	0.0	-0.2	-10.9	137.6	100.0	35.2	0.0	2,192,423	149,950	
2018	10	10	10-Oct-18	0.0	0.0	0.0	284.9	119.4	28.5	0.0	0.0	0.2	11.7	228.4	99.6	15.0	0.0	0.0	-0.2	-11.7	56.8	19.8	13.5	0.0	2,192,423	149,950	
2018	10	11	11-Oct-18	0.0	0.0	0.6	177.3	63.2	3.7	0.0	0.0	0.3	12.5	223.8	96.5	14.2	0.0	0.0	-0.3	-11.8	-46.4	-33.3	-10.5	0.0	2,192,423	149,950	
2018	10	12	12-Oct-18	0.0	0.0	3.2	210.1	93.9	14.6	0.0	0.0	0.4	13.4	219.3	93.6	13.5	0.0	0.0	-0.4	-10.3	-9.2	0.4	1.3	0.0	2,192,423	149,950	
2018	10	13	13-Oct-18	0.0	0.0	0.0	359.9	192.1	57.0	0.0	0.0	0.5	14.7	214.4	90.5	12.8	0.0	0.0	-0.5	-14.7	145.6	101.6	44.2	0.0	2,192,423	149,950	
2018	10	14	14-Oct-18	0.0	0.0	0.0	397.4	229.4	69.0	0.0	0.0	0.7	16.3	208.9	87.3	12.1	0.0	0.0	-0.7	-16.3	186.6	142.1	56.8	0.0	2,192,423	149,950	
2018	10	15	15-Oct-18	0.0	0.0	88.0	100.8	37.8	0.0	0.0	0.0	0.9	18.3	202.9	83.8	11.4	0.0	0.0	-0.9	69.7	-102.1	-46.0	-11.4	0.0	2,192,423	149,950	
2018	10	16	16-Oct-18	0.0	0.0	146.8	0.0	0.0	0.0	0.0	1.3	20.5	196.4	80.0	10.6	0.0	0.0	-1.3	126.3	-198.4	-80.0	-10.6	0.0	2,192,423	149,950		
2018	10	17	17-Oct-18	0.0	0.0	11																					

2018	11	5	6-Nov-18	0.0	0.0	10.2	243.0	123.4	26.3	0.0	0.1	13.1	74.0	94.0	23.8	0.8	0.0	-0.1	-13.1	-43.8	149.0	99.6	19.4	0.0	2,194,213	148,878
2018	11	6	6-Nov-18	0.0	0.0	0.0	336.3	169.3	32.8	0.0	0.1	14.5	77.6	90.4	22.2	0.7	0.0	-0.1	-14.5	-77.6	246.0	146.2	32.1	0.0	2,194,213	148,878
2018	11	7	7-Nov-18	0.0	0.0	0.0	333.4	185.4	33.4	0.0	0.2	15.8	81.3	83.9	20.7	0.6	0.0	-0.2	-15.8	-81.3	246.5	144.7	32.8	0.0	2,194,213	148,878
2018	11	8	8-Nov-18	0.0	0.0	0.0	80.0	0.4	0.0	0.0	0.2	17.2	85.0	88.8	19.4	0.5	0.0	-0.2	-17.2	-85.0	-3.8	-18.0	-0.5	0.0	2,194,213	148,878
2018	11	9	9-Nov-18	0.0	20.8	215.5	0.7	0.0	0.0	0.0	0.2	18.8	88.9	81.1	18.3	0.4	0.0	-0.2	1.8	128.6	-80.3	-18.3	-0.4	0.0	2,194,213	148,878
2018	11	10	10-Nov-18	0.0	143.5	363.5	0.0	0.0	0.0	0.0	0.2	20.7	93.1	76.5	17.5	0.3	0.0	-0.2	122.8	290.3	-78.5	-17.5	-0.3	0.0	2,194,213	148,878
2018	11	11	11-Nov-18	0.0	71.2	304.1	0.0	0.0	0.0	0.0	0.3	22.8	99.1	76.1	16.7	0.3	0.0	-0.3	48.4	206.0	-76.1	-16.7	-0.3	0.0	2,194,213	148,878
2018	11	12	12-Nov-18	0.0	89.5	328.7	0.0	0.0	0.0	0.0	0.3	25.2	103.9	73.3	15.9	0.2	0.0	-0.3	84.3	224.8	-73.3	-15.9	-0.2	0.0	2,194,213	148,878
2018	11	13	13-Nov-18	0.0	378.1	818.1	0.0	0.0	0.0	0.0	0.3	28.0	110.5	70.6	15.2	0.2	0.0	-0.3	350.1	507.6	-70.6	-15.2	-0.2	0.0	2,194,213	148,878
2018	11	14	14-Nov-18	60.1	336.1	576.1	0.0	0.0	0.0	0.0	0.4	30.8	117.0	68.2	14.7	0.2	0.0	-0.4	305.3	459.1	-68.2	-14.7	-0.2	0.0	2,194,213	148,878
2018	11	15	15-Nov-18	52.8	246.8	471.0	0.0	0.0	0.0	0.0	0.4	33.3	123.0	65.8	14.1	0.2	0.0	-0.4	213.3	348.0	-65.8	-14.1	-0.2	0.0	2,194,213	148,878
2018	11	16	16-Nov-18	1.2	128.9	287.7	13.5	0.0	0.0	0.0	0.4	35.6	128.8	63.5	13.6	0.1	0.0	-0.4	90.2	188.9	-50.0	-13.6	-0.1	0.0	2,194,213	148,878
2018	11	17	17-Nov-18	0.0	48.3	163.6	34.8	0.0	0.0	0.0	0.5	38.2	134.6	61.3	13.1	0.1	0.0	-0.5	8.1	29.0	-26.8	-13.1	-0.1	0.0	2,194,213	148,878
2018	11	18	18-Nov-18	0.0	20.9	169.6	2.1	0.0	0.0	0.0	0.5	40.4	139.8	59.1	12.5	0.1	0.0	-0.5	-19.5	29.8	-57.0	-12.5	-0.1	0.0	2,194,213	148,878
2018	11	19	19-Nov-18	0.0	131.1	371.1	0.0	0.0	0.0	0.0	0.5	42.2	144.5	57.2	12.1	0.1	0.0	-0.5	88.9	226.5	-57.2	-12.1	-0.1	0.0	2,194,213	148,878
2018	11	20	20-Nov-18	0.0	93.1	296.1	0.0	0.0	0.0	0.0	0.6	44.1	149.2	55.6	11.7	0.1	0.0	-0.6	49.0	146.9	-55.6	-11.7	-0.1	0.0	2,194,213	148,878
2018	11	21	21-Nov-18	0.0	100.7	323.8	0.0	0.0	0.0	0.0	0.6	46.5	154.5	54.1	11.4	0.1	0.0	-0.6	54.2	169.4	-54.1	-11.4	-0.1	0.0	2,194,213	148,878
2018	11	22	22-Nov-18	0.0	42.9	232.3	0.0	0.0	0.0	0.0	0.7	49.3	160.5	52.4	10.9	0.1	0.0	-0.7	-6.3	71.8	-52.4	-10.9	-0.1	0.0	2,194,213	148,878
2018	11	23	23-Nov-18	0.0	10.3	120.1	55.3	12.7	0.0	0.0	0.8	52.2	166.8	50.5	10.5	0.1	0.0	-0.8	-41.9	-46.7	4.8	2.3	-0.1	0.0	2,194,213	148,878
2018	11	24	24-Nov-18	0.0	23.1	120.0	49.9	5.0	0.0	0.0	0.9	55.2	173.2	48.6	10.0	0.1	0.0	-0.9	-32.1	-53.2	1.3	-4.9	-0.1	0.0	2,194,213	148,878
2018	11	25	25-Nov-18	0.0	3.0	44.3	57.5	8.5	0.0	0.0	1.1	58.1	179.2	46.9	9.5	0.1	0.0	-1.1	-134.8	10.7	-0.9	-0.9	-0.1	0.0	2,194,213	148,878
2018	11	26	26-Nov-18	0.0	168.4	399.6	0.0	0.0	0.0	0.0	1.3	61.0	184.9	45.3	9.0	0.1	0.0	-1.3	105.4	214.6	-45.3	-9.0	-0.1	0.0	2,194,213	148,878
2018	11	27	27-Nov-18	24.5	187.7	403.9	0.0	0.0	0.0	0.0	1.5	63.6	190.1	44.1	8.6	0.0	0.0	-1.5	134.1	213.9	-44.1	-8.6	-0.0	0.0	2,194,213	148,878
2018	11	28	28-Nov-18	0.0	80.2	177.7	35.6	0.0	0.0	0.0	1.7	65.9	194.3	43.2	8.3	0.0	0.0	-1.7	14.3	-16.6	-7.5	-8.3	0.0	0.0	2,194,213	148,878
2018	11	29	29-Nov-18	0.0	0.0	0.0	111.8	11.6	0.0	0.0	1.9	68.0	198.4	42.1	8.0	0.0	0.0	-1.9	-60.0	-188.4	60.5	3.6	0.0	0.0	2,194,213	148,878
2018	11	30	30-Nov-18	0.0	0.0	0.0	209.0	68.4	0.0	0.0	2.1	69.9	202.3	41.1	7.6	0.0	0.0	-2.1	-89.8	-202.3	189.0	60.8	0.0	0.0	2,194,213	148,878
2018	12	1	1-Dec-18	0.0	43.7	171.5	53.0	0.0	0.0	0.0	3.0	74.0	209.4	41.9	7.9	0.1	0.0	-3.0	-74.0	-165.7	129.8	45.1	-0.1	0.0	2,198,225	148,123
2018	12	2	2-Dec-18	0.0	13.8	122.1	80.8	29.4	0.0	0.0	3.3	76.2	213.1	41.2	7.6	0.0	0.0	-3.3	-82.4	-90.9	39.6	18.8	0.0	0.0	2,198,225	148,123
2018	12	3	3-Dec-18	0.0	23.4	178.4	9.7	0.0	0.0	0.0	3.5	78.6	217.1	40.6	7.1	0.0	0.0	-3.5	-56.2	-34.6	-30.8	-7.4	0.0	0.0	2,198,225	148,123
2018	12	4	4-Dec-18	0.0	123.4	335.8	0.0	0.0	0.0	0.0	3.8	81.2	221.5	39.7	7.1	0.0	0.0	-3.8	42.2	114.1	-39.7	-7.1	0.0	0.0	2,198,225	148,123
2018	12	5	5-Dec-18	0.0	160.6	390.9	0.0	0.0	0.0	0.0	4.1	83.5	225.6	38.8	6.9	0.0	0.0	-4.1	77.0	155.3	-38.8	-6.9	0.0	0.0	2,198,225	148,123
2018	12	6	6-Dec-18	0.0	33.5	176.4	0.0	0.0	0.0	0.0	4.3	85.2	228.5	38.3	6.7	0.0	0.0	-4.3	-51.8	-50.0	-36.3	-8.7	0.0	0.0	2,198,225	148,123
2018	12	7	7-Dec-18	0.0	0.0	45.9	53.8	5.8	0.0	0.0	4.5	86.1	229.8	38.4	6.6	0.0	0.0	-4.5	-86.1	-183.9	15.3	-0.8	0.0	0.0	2,198,225	148,123
2018	12	8	8-Dec-18	0.0	148.3	387.1	0.0	0.0	0.0	0.0	4.6	88.4	230.0	38.6	6.5	0.0	0.0	-4.6	62.0	157.1	-38.6	-6.5	0.0	0.0	2,198,225	148,123
2018	12	9	9-Dec-18	0.0	220.3	460.3	0.0	0.0	0.0	0.0	4.8	89.4	230.6	38.9	6.5	0.0	0.0	-4.8	134.0	230.7	-38.9	-6.5	0.0	0.0	2,198,225	148,123
2018	12	10	10-Dec-18	0.4	195.8	424.2	0.0	0.0	0.0	0.0	4.9	88.5	229.1	39.0	6.3	0.0	0.0	-4.9	109.6	165.2	-39.0	-6.3	0.0	0.0	2,198,225	148,123
2018	12	11	11-Dec-18	16.0	166.1	372.4	0.0	0.0	0.0	0.0	4.5	86.7	227.8	39.4	6.3	0.0	0.0	-4.5	80.4	144.5	-39.4	-6.3	0.0	0.0	2,198,225	148,123
2018	12	12	12-Dec-18	0.0	6.0	84.4	26.7	0.0	0.0	0.0	4.4	85.1	229.6	39.7	6.3	0.0	0.0	-4.4	-79.1	-142.1	-13.0	-6.3	0.0	0.0	2,198,225	148,123
2018	12	13	13-Dec-18	0.0	11.3	50.1	60.7	1.3	0.0	0.0	4.3	84.7	228.5	40.0	6.3	0.0	0.0	-4.3	-73.4	-175.4	20.7	-5.0	0.0	0.0	2,198,225	148,123
2018	12	14	14-Dec-18	0.0	158.4	396.4	0.0	0.0	0.0	0.0	4.3	84.6	224.9	40.5	6.3	0.1	0.0	-4.3	71.8	171.5	-40.5	-6.3	-0.1	0.0	2,198,225	148,123
2018	12	15	15-Dec-18	0.0	60.9	252.4	0.0	0.0	0.0	0.0	4.2	86.1	225.3	40.9	6.4	0.1	0.0	-4.2	-24.2	-21.2	-40.9	-6.4	-0.1	0.0	2,198,225	148,123
2018	12	16	16-Dec-18	0.0	96.5	278.1	0.5	0.0	0.0	0.0	4.2	85.9	226.6	41.0	6.4	0.1	0.0	-4.2	13.6	51.5	-40.5	-6.4	-0.1	0.0	2,198,225	148,123
2018	12	17	17-Dec-18	0.0	27.6	191.8	12.7	0.0	0.0	0.0	4.0	86.5	227.7	41.0	6.5	0.1	0.0	-4.0	-28.3	-35.9	-28.3	-6.5	-0.1	0.0	2,198,225	148,123
2018	12	18	18-Dec-18	0.0	58.7	244.5	0.0	0.0	0.0	0.0	4.1	88.5	227.7	41.0	6.5	0.1	0.0	-4.1	-58.9	-35.9	-28.3	-6.5	-0.1	0.0	2,198,225	148,123
2018	12	19	19-Dec-18	0.0	12.9	220.0	0.0	0.0	0.0	0.0	3.9	87.8	229.6	41.2	6.5	0.0	0.0	-3.9	-74.9	-9.9	-41.1	-6.5	-0.1	0.0	2,198,225	148,123
2018	12	20	20-Dec-18	0.0	5.4	176.8	0.0	0.0	0.0	0.0	3.8	89.1	233.0	41.2	6.5	0.0	0.0	-3.8	-85.9	-55.5	-41.2	-6.5	0.0	0.0	2,198,225	148,123
2018	12	21	21-Dec-18	0.0	89.0	289.1	0.0	0.0	0.0	0.0	3.7	91.0	235.3	40.8	6.5	0.0	0.0	-3.7	-2.0	53.8	-40.8	-6.5	0.0	0.0	2,198,225	148,123
2018	12	22	22-Dec-18	0.0	48.5	142.9	66.6	12.7	0.0	0.0	3.7	93.7	239.8	40.0	6.4	0.0	0.0	-3.7	-45.2	-96.7	26.8	6.3	0.0	0.0	2,198,225	148,123
2018	12	23	23-Dec-18	0.0	5.6	122.6	19.8	0.0	0.0	0.0	3.6	95.9	245.1	39.1	6.3	0.0	0.0	-3.6	-91.3	-122.6	-19.4	-6.3	0.0	0.0	2,198,225	148,123
2018	12	24	24-Dec-18	0.0	49.1	212.5	0.0	0.0	0.0	0.0	4.0	100.4	251.2	38.2	6.3	0.0	0.0	-4.0	-51.3	-36.8	-36.2	-6.3	0.0	0.0	2,198,225	148,123
2018	12	25	25-Dec-18	0.0	0.0	57.8	22.7	0.0																		

										Rates		MWH Impact					

120.212	3.659	393	576	126.605	4.235	0.024928	0.016655	(5.663)	-	(65)	(65)	(317)
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	(5.245)	-	(56)	(56)	(864)
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	(3.740)	-	(47)	(47)	133
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	(10.528)	-	(122)	(122)	(1.626)
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	(1.234)	-	(45)	(45)	3.462
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	(8.889)	-	(100)	(100)	(763)
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	14.974	-	176	176	1.241
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	21.595	-	246	246	2.309
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	40.284	-	443	443	5.318
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	20.747	-	233	233	2.189
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	8.403	-	99	99	222
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	2.239	-	25	25	299
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	(2.973)	-	(21)	(21)	(1.629)
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	11.782	-	141	141	694
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	(2.005)	-	(19)	(19)	(1.575)
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	2.235	-	42	42	(865)
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	(46)	-	15	15	(1.237)
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	(4.599)	-	(41)	(41)	(1.935)
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	(12.700)	-	(146)	(146)	(2.690)
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	(1.421)	-	(49)	(49)	3.616
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	(7.905)	-	(105)	(105)	121
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	(412)	-	(25)	(25)	2.771
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	4.199	-	10	10	5.346
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	7.369	-	94	94	2
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	5.048	-	60	60	(139)
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	10.751	-	129	129	604
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	1.427	-	30	30	(863)
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	19.368	-	219	219	2.075
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	21.985	-	246	246	2.552
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	(4.039)	-	56	56	(286)
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	(11.345)	-	(110)	(110)	(2.869)
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	6.218	-	78	78	169
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	37.806	-	406	406	5.468
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	46.986	-	501	501	7.032
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	40.265	-	431	431	5.968
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	21.993	-	240	240	3.012
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	7.508	-	89	89	673
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	3.394	-	39	39	77
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	(12.846)	-	(143)	(143)	(2.240)
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	(16.162)	-	(177)	(177)	(2.835)
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	(2.968)	-	(21)	(21)	(936)
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	(14.221)	-	(156)	(156)	(2.319)
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	(11.572)	-	(135)	(135)	(1.904)
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	24.311	-	283	283	3.569
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	22.305	-	242	242	3.243
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	22.118	-	240	240	3.213
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	(413)	-	(5)	(5)	(375)
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	45.131	-	480	480	6.874
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	57.272	-	607	607	8.957
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	45.612	-	486	486	7.037
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	9.589	-	111	111	1.121
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	(11.665)	-	(133)	(133)	(1.406)
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	(12.979)	-	(163)	(163)	(336)
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	(12.143)	-	(140)	(140)	(1.846)
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	1.315	-	17	17	(216)
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	4.304	-	49	49	250
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	8.945	-	102	102	960
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	(9.654)	-	(106)	(106)	(1.738)
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	(15.145)	-	(173)	(173)	(2.811)
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	(14.183)	-	(159)	(159)	(2.563)
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	(3.896)	-	(39)	(39)	(1.083)
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	5.422	-	67	67	321
130.144	3.666	395	576	130.539	4.242	0.024928	0.016655	(311)	-	(6)	(6)	128
130.144	3.667	396	579	133.019	4.246	0.024928	0.016655	(7.757)	-	(102)	(102)	1.016
132.623	3.667	396	579	133.019	4.246	0.024928	0.016655	(9.046)	-	(86)	(86)	(2.108)
132.623	3.667	396	579	133.019	4.246	0.024928	0.016655	(2.259)	-	(11)	(11)	(1.028)
132.623	3.667	396	579	133.019	4.246	0.024928	0.016655	(14.654)	-	(168)	(168)	(2.465)
132.623	3.667	396	579	133.019	4.246	0.024928	0.016655	(11.911)	-	(117)	(117)	(2.556)

132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	(11,200)	(135)	-	-	(135)	(100)
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	11,911	137	-	-	137	1,293
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	5,226	69	-	-	69	176
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	(12,077)	(134)	-	-	(134)	(1,608)
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	(12,491)	(148)	-	-	(148)	(1,586)
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	23,433	280	-	-	280	3,110
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	25,875	286	-	-	286	3,439
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	6,340	82	-	-	82	256
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	(3,582)	(59)	-	-	(59)	2,125
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	72	(33)	-	-	(33)	4,393
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	528	(29)	-	-	(29)	4,282
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	(6,356)	(66)	-	-	(66)	715
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	(4,264)	(63)	-	-	(63)	1,346
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	1,388	(15)	-	-	(15)	4,831
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	4,560	16	-	-	16	5,982
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	(6,318)	(74)	-	-	(74)	31
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	(6,069)	(64)	-	-	(64)	(824)
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	318	(20)	-	-	(20)	3,144
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	7,564	42	-	-	42	6,944
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	(8,665)	(90)	-	-	(90)	(2,089)
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	(8,850)	(93)	-	-	(93)	(2,115)
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	(4,68)	(29)	-	-	(29)	2,857
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	10,069	63	-	-	63	7,657
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	(119)	(26)	-	-	(26)	2,982
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	(7,428)	(82)	-	-	(82)	(1,298)
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	(6,446)	(71)	-	-	(71)	(897)
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	(2,690)	(46)	-	-	(46)	1,813
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	(7,216)	(78)	-	-	(78)	(1,544)
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	(4,461)	(16)	-	-	(16)	4,901
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	(4,642)	(35)	-	-	(35)	(2,300)
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	(2,130)	(6)	-	-	(6)	(1,845)
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	(293)	(2)	-	-	(2)	(159)
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	6,607	36	-	-	36	4,944
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	1,000	(6)	-	-	(6)	2,700
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	(2,824)	(14)	-	-	(14)	(1,267)
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	530	18	-	-	18	2,220
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	(705)	5	-	-	5	(1,474)
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	(1,607)	(13)	-	-	(13)	(677)
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	8,711	62	-	-	62	5,346
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	8,381	62	-	-	62	5,314
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	11,523	88	-	-	88	6,453
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	14,147	106	-	-	106	7,110
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	(5,941)	(42)	-	-	(42)	(2,338)
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	717	18	-	-	18	(706)
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	(1,170)	(4)	-	-	(4)	(808)
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	3,671	29	-	-	29	2,157
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	6,853	53	-	-	53	4,205
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	7,611	55	-	-	55	4,059
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	9,604	77	-	-	77	5,253
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	7,721	64	-	-	64	4,767
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	2,157	14	-	-	14	2,187
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	255	(4)	-	-	(4)	421
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	(2,865)	(30)	-	-	(30)	(1,119)
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	(215)	(1)	-	-	(1)	(114)
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	2,648	19	-	-	19	1,540
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	9,428	76	-	-	76	4,808
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	14,391	115	-	-	115	6,814
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	(7,142)	(60)	-	-	(60)	(3,467)
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	(5,703)	(46)	-	-	(46)	(2,374)
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	7,182	60	-	-	60	4,114
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	2,748	34	-	-	34	(2,319)
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	(9,172)	(69)	-	-	(69)	(3,425)
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	(3,252)	(24)	-	-	(24)	(5,306)
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	(449)	5	-	-	5	(1,766)
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	3,706	30	-	-	30	1,772
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	13,688	116	-	-	116	6,523
132.623	3.667	3.667	579	133.019	4.246	0.024928	0.016655	(8,900)	(76)	-	-	(76)	(5,578)

132,143	3,689	403	581	132,546	4,270	0.024928	0.016655	(3,139)	-	(3,139)	(1)	-	(1)	(4,277)
132,143	3,689	403	581	132,546	4,270	0.024928	0.016655	1,151	-	1,151	27	-	27	(1,367)
132,143	3,689	403	581	132,546	4,270	0.024928	0.016655	2,988	-	2,988	23	-	23	1,147
132,143	3,689	403	581	132,546	4,270	0.024928	0.016655	4,853	-	4,853	38	-	38	2,564
132,143	3,689	403	581	132,546	4,270	0.024928	0.016655	(5,893)	-	(5,893)	(55)	-	(55)	(2,310)
132,143	3,689	403	581	132,546	4,270	0.024928	0.016655	(12,210)	-	(12,210)	(97)	-	(97)	(6,858)
132,143	3,689	403	581	132,546	4,270	0.024928	0.016655	(9,356)	-	(9,356)	(83)	-	(83)	(3,714)
132,143	3,689	403	581	132,546	4,270	0.024928	0.016655	(11,987)	-	(11,987)	(105)	-	(105)	(5,407)
132,143	3,689	403	581	132,546	4,270	0.024928	0.016655	(3,216)	-	(3,216)	(19)	-	(19)	(2,089)
132,143	3,689	403	581	132,546	4,270	0.024928	0.016655	5,071	-	5,071	38	-	38	1,330
132,143	3,689	403	581	132,546	4,270	0.024928	0.016655	4,031	-	4,031	24	-	24	1,122
132,143	3,689	403	581	132,546	4,270	0.024928	0.016655	(10,932)	-	(10,932)	(89)	-	(89)	(5,193)
132,143	3,689	403	581	132,546	4,270	0.024928	0.016655	(6,799)	-	(6,799)	(53)	-	(53)	(3,367)
132,143	3,689	403	581	132,546	4,270	0.024928	0.016655	(2,209)	-	(2,209)	(18)	-	(18)	(1,434)
132,143	3,689	403	581	132,546	4,270	0.024928	0.016655	(5,399)	-	(5,399)	(46)	-	(46)	(2,814)
132,143	3,689	403	581	132,546	4,270	0.024928	0.016655	(6,795)	-	(6,795)	(54)	-	(54)	(2,807)
132,129	3,691	406	580	132,535	4,271	0.024928	0.016655	-	(3,733)	-	-	(27)	(27)	(591)
132,129	3,691	406	580	132,535	4,271	0.024928	0.016655	-	15,416	-	-	165	165	4,652
132,129	3,691	406	580	132,535	4,271	0.024928	0.016655	-	10,334	-	-	118	118	3,375
132,129	3,691	406	580	132,535	4,271	0.024928	0.016655	-	(1,531)	-	-	(8)	(8)	(106)
132,129	3,691	406	580	132,535	4,271	0.024928	0.016655	-	(6,493)	-	-	(87)	(87)	(2,030)
132,129	3,691	406	580	132,535	4,271	0.024928	0.016655	-	4,789	-	-	39	39	888
132,129	3,691	406	580	132,535	4,271	0.024928	0.016655	-	15,191	-	-	136	136	3,575
132,129	3,691	406	580	132,535	4,271	0.024928	0.016655	-	14,199	-	-	127	127	3,364
132,129	3,691	406	580	132,535	4,271	0.024928	0.016655	-	8,373	-	-	70	70	1,742
132,129	3,691	406	580	132,535	4,271	0.024928	0.016655	-	7,660	-	-	66	66	1,666
132,129	3,691	406	580	132,535	4,271	0.024928	0.016655	-	14,544	-	-	142	142	3,972
132,129	3,691	406	580	132,535	4,271	0.024928	0.016655	-	17,650	-	-	175	175	4,864
132,129	3,691	406	580	132,535	4,271	0.024928	0.016655	-	19,920	-	-	190	190	5,289
132,129	3,691	406	580	132,535	4,271	0.024928	0.016655	-	16,272	-	-	153	153	4,263
132,129	3,691	406	580	132,535	4,271	0.024928	0.016655	-	18,742	-	-	170	170	4,613
132,129	3,691	406	580	132,535	4,271	0.024928	0.016655	-	25,153	-	-	230	230	6,298
132,129	3,691	406	580	132,535	4,271	0.024928	0.016655	-	32,257	-	-	293	293	8,046
132,129	3,691	406	580	132,535	4,271	0.024928	0.016655	-	22,682	-	-	212	212	5,831
132,129	3,691	406	580	132,535	4,271	0.024928	0.016655	-	21,138	-	-	202	202	5,569
132,129	3,691	406	580	132,535	4,271	0.024928	0.016655	-	(157)	-	-	(2)	(2)	(11)
132,129	3,691	406	580	132,535	4,271	0.024928	0.016655	-	(14,417)	-	-	(144)	(144)	(3,897)
132,129	3,691	406	580	132,535	4,271	0.024928	0.016655	-	(6,094)	-	-	(59)	(59)	(1,605)
132,129	3,691	406	580	132,535	4,271	0.024928	0.016655	-	(11,743)	-	-	(108)	(108)	(2,842)
132,129	3,691	406	580	132,535	4,271	0.024928	0.016655	-	3,072	-	-	26	26	773
132,129	3,691	406	580	132,535	4,271	0.024928	0.016655	-	7,000	-	-	66	66	1,832
132,129	3,691	406	580	132,535	4,271	0.024928	0.016655	-	10,644	-	-	90	90	2,435
132,129	3,691	406	580	132,535	4,271	0.024928	0.016655	-	4,532	-	-	31	31	742
132,129	3,691	406	580	132,535	4,271	0.024928	0.016655	-	18,602	-	-	166	166	4,534
132,129	3,691	406	580	132,535	4,271	0.024928	0.016655	-	23,927	-	-	217	217	5,906
132,129	3,691	406	580	132,535	4,271	0.024928	0.016655	-	13,730	-	-	123	123	3,349
132,129	3,691	406	580	132,535	4,271	0.024928	0.016655	-	18,030	-	-	164	164	4,452
132,553	3,697	404	580	132,957	4,277	0.024928	0.016655	-	21,751	-	-	198	198	5,360
132,553	3,697	404	580	132,957	4,277	0.024928	0.016655	-	21,651	-	-	195	195	5,281
132,553	3,697	404	580	132,957	4,277	0.024928	0.016655	-	16,028	-	-	138	138	3,727
132,553	3,697	404	580	132,957	4,277	0.024928	0.016655	-	8,584	-	-	74	74	2,009
132,553	3,697	404	580	132,957	4,277	0.024928	0.016655	-	18,968	-	-	168	168	4,538
132,553	3,697	404	580	132,957	4,277	0.024928	0.016655	-	10,411	-	-	94	94	2,549
132,553	3,697	404	580	132,957	4,277	0.024928	0.016655	-	10,064	-	-	88	88	2,385
132,553	3,697	404	580	132,957	4,277	0.024928	0.016655	-	7,646	-	-	63	63	1,717
132,553	3,697	404	580	132,957	4,277	0.024928	0.016655	-	(2,062)	-	-	(20)	(20)	(547)
132,553	3,697	404	580	132,957	4,277	0.024928	0.016655	-	14,837	-	-	135	135	3,655
132,553	3,697	404	580	132,957	4,277	0.024928	0.016655	-	13,832	-	-	127	127	3,425
132,553	3,697	404	580	132,957	4,277	0.024928	0.016655	-	14,695	-	-	133	133	3,590
132,553	3,697	404	580	132,957	4,277	0.024928	0.016655	-	10,310	-	-	88	88	2,372
132,553	3,697	404	580	132,957	4,277	0.024928	0.016655	-	(10,354)	-	-	(90)	(90)	(2,423)
132,553	3,697	404	580	132,957	4,277	0.024928	0.016655	-	(3,072)	-	-	(32)	(32)	(873)
132,553	3,697	404	580	132,957	4,277	0.024928	0.016655	-	3,919	-	-	34	34	928
132,553	3,697	404	580	132,957	4,277	0.024928	0.016655	-	(15,661)	-	-	(133)	(133)	(3,598)
132,553	3,697	404	580	132,957	4,277	0.024928	0.016655	-	(32,508)	-	-	(296)	(296)	(7,988)
132,553	3,697	404	580	132,957	4,277	0.024928	0.016655	-	(32,547)	-	-	(285)	(285)	(7,952)
132,553	3,697	404	580	132,957	4,277	0.024928	0.016655	-	(22,923)	-	-	(210)	(210)	(5,852)
132,553	3,697	404	580	132,957	4,277	0.024928	0.016655	-	(17,364)	-	-	(153)	(153)	(4,128)

132.553	3.697	404	580	132.957	4.277	0.024928	0.016655	-	5.364	43	43	29	134
132.553	3.697	404	580	132.957	4.277	0.024928	0.016655	-	3.693	29	29	782	134
132.553	3.697	404	580	132.957	4.277	0.024928	0.016655	-	6.724	62	62	1,864	134
132.553	3.697	404	580	132.957	4.277	0.024928	0.016655	-	1.267	16	16	438	134
132.553	3.697	404	580	132.957	4.277	0.024928	0.016655	-	3.882	33	33	903	134
132.553	3.697	404	580	132.957	4.277	0.024928	0.016655	-	5.214	45	45	1,222	134
132.553	3.697	404	580	132.957	4.277	0.024928	0.016655	-	4.647	44	44	1,179	134
132.553	3.697	404	580	132.957	4.277	0.024928	0.016655	-	8.961	80	80	2,149	134
132.553	3.697	404	580	132.957	4.277	0.024928	0.016655	-	10.545	94	94	2,540	134
132.553	3.697	404	580	132.957	4.277	0.024928	0.016655	-	10.628	92	92	2,478	134
132.553	3.705	407	579	133.133	4.284	0.024928	0.016655	-	12.646	110	110	2,969	134
132.553	3.705	407	579	133.133	4.284	0.024928	0.016655	-	7.944	66	66	1,779	134
132.553	3.705	407	579	133.133	4.284	0.024928	0.016655	-	(42.723)	(405)	(405)	(10,802)	134
132.553	3.705	407	579	133.133	4.284	0.024928	0.016655	-	(9.352)	(94)	(94)	(2,335)	134
132.553	3.705	407	579	133.133	4.284	0.024928	0.016655	-	(4.240)	(45)	(45)	(1,204)	134
132.553	3.705	407	579	133.133	4.284	0.024928	0.016655	-	(10.347)	(97)	(97)	(2,399)	134
132.553	3.705	407	579	133.133	4.284	0.024928	0.016655	-	(29.778)	(270)	(270)	(7,256)	134
132.553	3.705	407	579	133.133	4.284	0.024928	0.016655	-	(20.269)	(161)	(161)	(4,872)	134
132.553	3.705	407	579	133.133	4.284	0.024928	0.016655	-	(731)	(12)	(12)	(333)	134
132.553	3.705	407	579	133.133	4.284	0.024928	0.016655	-	6.791	58	58	1,951	134
132.553	3.705	407	579	133.133	4.284	0.024928	0.016655	-	3.064	30	30	810	134
132.553	3.705	407	579	133.133	4.284	0.024928	0.016655	-	5.847	49	49	1,325	134
132.553	3.705	407	579	133.133	4.284	0.024928	0.016655	-	6.232	56	56	1,515	134
132.553	3.705	407	579	133.133	4.284	0.024928	0.016655	-	11.812	105	105	2,819	134
132.553	3.705	407	579	133.133	4.284	0.024928	0.016655	-	12.621	108	108	2,905	134
132.553	3.705	407	579	133.133	4.284	0.024928	0.016655	-	12.179	104	104	2,795	134
132.553	3.705	407	579	133.133	4.284	0.024928	0.016655	-	15.488	138	138	3,651	134
132.553	3.705	407	579	133.133	4.284	0.024928	0.016655	-	19.003	166	166	4,475	134
132.553	3.705	407	579	133.133	4.284	0.024928	0.016655	-	21.898	190	190	5,120	134
132.553	3.705	407	579	133.133	4.284	0.024928	0.016655	-	21.493	187	187	5,045	134
132.553	3.705	407	579	133.133	4.284	0.024928	0.016655	-	23.431	204	204	5,479	134
132.553	3.705	407	579	133.133	4.284	0.024928	0.016655	-	27.878	240	240	6,452	134
132.553	3.705	407	579	133.133	4.284	0.024928	0.016655	-	13.277	117	117	3,148	134
132.553	3.705	407	579	133.133	4.284	0.024928	0.016655	-	11.564	96	96	2,578	134
132.553	3.705	407	579	133.133	4.284	0.024928	0.016655	-	15.790	132	132	3,541	134
132.553	3.705	407	579	133.133	4.284	0.024928	0.016655	-	12.758	108	108	2,847	134
132.553	3.705	407	579	133.133	4.284	0.024928	0.016655	-	12.514	108	108	2,802	134
132.553	3.705	407	579	133.133	4.284	0.024928	0.016655	-	16.851	146	146	3,931	134
132.553	3.705	407	579	133.133	4.284	0.024928	0.016655	-	10.882	98	98	2,575	134
132.553	3.713	407	579	133.240	4.292	0.024928	0.016655	-	(25.366)	(220)	(220)	(6,089)	134
132.553	3.713	407	579	133.240	4.292	0.024928	0.016655	-	(9.182)	(96)	(96)	(2,569)	134
132.553	3.713	407	579	133.240	4.292	0.024928	0.016655	-	(6.495)	(87)	(87)	(1,801)	134
132.553	3.713	407	579	133.240	4.292	0.024928	0.016655	-	(6.772)	(89)	(89)	(1,829)	134
132.553	3.713	407	579	133.240	4.292	0.024928	0.016655	-	(25.900)	(233)	(233)	(6,234)	134
132.553	3.713	407	579	133.240	4.292	0.024928	0.016655	-	(12.558)	(118)	(118)	(3,155)	134
132.553	3.713	407	579	133.240	4.292	0.024928	0.016655	-	(14.159)	(123)	(123)	(3,291)	134
132.553	3.713	407	579	133.240	4.292	0.024928	0.016655	-	(14.546)	(129)	(129)	(3,449)	134
132.553	3.713	407	579	133.240	4.292	0.024928	0.016655	-	(18.109)	(156)	(156)	(4,173)	134
132.553	3.713	407	579	133.240	4.292	0.024928	0.016655	-	(12.834)	(115)	(115)	(3,075)	134
132.553	3.713	407	579	133.240	4.292	0.024928	0.016655	-	(16.480)	(149)	(149)	(3,963)	134
132.553	3.713	407	579	133.240	4.292	0.024928	0.016655	-	(28.637)	(255)	(255)	(6,825)	134
132.553	3.713	407	579	133.240	4.292	0.024928	0.016655	-	(10.197)	(92)	(92)	(2,455)	134
132.553	3.713	407	579	133.240	4.292	0.024928	0.016655	-	(2.188)	(16)	(16)	(491)	134
132.553	3.713	407	579	133.240	4.292	0.024928	0.016655	-	(2.572)	(27)	(27)	(723)	134
132.553	3.713	407	579	133.240	4.292	0.024928	0.016655	-	(1.212)	(10)	(10)	(276)	134
132.553	3.713	407	579	133.240	4.292	0.024928	0.016655	-	4.592	42	42	1,113	134
132.553	3.713	407	579	133.240	4.292	0.024928	0.016655	-	8.196	73	73	1,849	134
132.553	3.713	407	579	133.240	4.292	0.024928	0.016655	-	9.516	86	86	2,289	134
132.553	3.713	407	579	133.240	4.292	0.024928	0.016655	-	13.658	121	121	3,245	134
132.553	3.713	407	579	133.240	4.292	0.024928	0.016655	-	9.501	87	87	2,321	134
132.553	3.713	407	579	133.240	4.292	0.024928	0.016655	-	18.827	167	167	4,457	134
132.553	3.713	407	579	133.240	4.292	0.024928	0.016655	-	23.877	210	210	5,616	134
132.553	3.713	407	579	133.240	4.292	0.024928	0.016655	-	12.866	116	116	3,106	134
132.553	3.713	407	579	133.240	4.292	0.024928	0.016655	-	9.655	84	84	2,255	134
132.553	3.713	407	579	133.240	4.292	0.024928	0.016655	-	11.422	99	99	2,654	134
132.553	3.713	407	579	133.240	4.292	0.024928	0.016655	-	7.725	70	70	1,882	134
132.553	3.713	407	579	133.240	4.292	0.024928	0.016655	-	6.364	59	59	1,574	134
132.553	3.713	407	579	133.240	4.292	0.024928	0.016655	-	3.747	38	38	1,032	134

132,833	3,713	407	579	133,240	4,292	0.024928	0.016655	-	(20,313)	(20,313)	-	(180)	(180)	(4,810)
132,833	3,713	407	579	133,240	4,292	0.024928	0.016655	-	(2,471)	(2,471)	-	(30)	(30)	(801)
132,833	3,713	407	579	133,240	4,292	0.024928	0.016655	-	8,430	8,430	-	71	71	1,915
132,445	3,728	408	579	132,851	4,307	0.024928	0.016655	-	(3,889)	(3,889)	-	(31)	(31)	(831)
132,445	3,728	408	579	132,851	4,307	0.024928	0.016655	-	(22,236)	(22,236)	-	(199)	(199)	(5,280)
132,445	3,728	408	579	132,851	4,307	0.024928	0.016655	-	(29,762)	(29,762)	-	(279)	(279)	(7,405)
132,445	3,728	408	579	132,851	4,307	0.024928	0.016655	-	(9,528)	(9,528)	-	(85)	(85)	(2,254)
132,445	3,728	408	579	132,851	4,307	0.024928	0.016655	-	4,886	4,886	-	47	47	1,254
132,445	3,728	408	579	132,851	4,307	0.024928	0.016655	-	2,535	2,535	-	27	27	705
132,445	3,728	408	579	132,851	4,307	0.024928	0.016655	-	3,407	3,407	-	35	35	927
132,445	3,728	408	579	132,851	4,307	0.024928	0.016655	-	4,888	4,888	-	44	44	1,172
132,445	3,728	408	579	132,851	4,307	0.024928	0.016655	-	(16,354)	(16,354)	-	(155)	(155)	(4,104)
132,445	3,728	408	579	132,851	4,307	0.024928	0.016655	-	(26,443)	(26,443)	-	(253)	(253)	(6,893)
132,445	3,728	408	579	132,851	4,307	0.024928	0.016655	-	(25,754)	(25,754)	-	(247)	(247)	(6,525)
132,445	3,728	408	579	132,851	4,307	0.024928	0.016655	-	(10,300)	(10,300)	-	(91)	(91)	(2,409)
132,445	3,728	408	579	132,851	4,307	0.024928	0.016655	-	(9,374)	(9,374)	-	(80)	(80)	(2,096)
132,445	3,728	408	579	132,851	4,307	0.024928	0.016655	-	(21,381)	(21,381)	-	(203)	(203)	(5,351)
132,445	3,728	408	579	132,851	4,307	0.024928	0.016655	-	6,807	6,807	-	62	62	1,671
132,445	3,728	408	579	132,851	4,307	0.024928	0.016655	-	15,587	15,587	-	131	131	3,801
132,445	3,728	408	579	132,851	4,307	0.024928	0.016655	-	23,170	23,170	-	207	207	5,467
132,445	3,728	408	579	132,851	4,307	0.024928	0.016655	-	33,264	33,264	-	309	309	8,214
132,445	3,728	408	579	132,851	4,307	0.024928	0.016655	-	23,522	23,522	-	222	222	5,921
132,445	3,728	408	579	132,851	4,307	0.024928	0.016655	-	11,748	11,748	-	120	120	3,228
132,445	3,728	408	579	132,851	4,307	0.024928	0.016655	-	8,950	8,950	-	103	103	2,790
132,445	3,728	408	579	132,851	4,307	0.024928	0.016655	-	(2,319)	(2,319)	-	(10)	(10)	(204)
132,445	3,728	408	579	132,851	4,307	0.024928	0.016655	-	(11,067)	(11,067)	-	(106)	(106)	(2,750)
132,445	3,728	408	579	132,851	4,307	0.024928	0.016655	-	4,437	4,437	-	39	39	1,098
132,445	3,728	408	579	132,851	4,307	0.024928	0.016655	-	10,826	10,826	-	111	111	3,038
132,445	3,728	408	579	132,851	4,307	0.024928	0.016655	-	3,170	3,170	-	43	43	1,252
132,445	3,728	408	579	132,851	4,307	0.024928	0.016655	-	(17,095)	(17,095)	-	(167)	(167)	(4,329)
132,445	3,728	408	579	132,851	4,307	0.024928	0.016655	-	(9,792)	(9,792)	-	(91)	(91)	(2,412)
132,445	3,728	408	579	132,851	4,307	0.024928	0.016655	-	(10,751)	(10,751)	-	(96)	(96)	(2,452)
132,445	3,728	408	579	132,851	4,307	0.024928	0.016655	-	(4,845)	(4,845)	-	(38)	(38)	(840)
132,346	3,729	409	579	132,755	4,308	0.024928	0.016655	-	(3,852)	(3,852)	-	(24)	(24)	(473)
132,346	3,729	409	579	132,755	4,308	0.024928	0.016655	-	11,892	11,892	-	123	123	3,418
132,346	3,729	409	579	132,755	4,308	0.024928	0.016655	-	21,813	21,813	-	222	222	6,045
132,346	3,729	409	579	132,755	4,308	0.024928	0.016655	-	24,726	24,726	-	248	248	6,762
132,346	3,729	409	579	132,755	4,308	0.024928	0.016655	-	26,286	26,286	-	268	268	7,289
132,346	3,729	409	579	132,755	4,308	0.024928	0.016655	-	30,275	30,275	-	305	305	8,266
132,346	3,729	409	579	132,755	4,308	0.024928	0.016655	-	28,485	28,485	-	275	275	7,486
132,346	3,729	409	579	132,755	4,308	0.024928	0.016655	-	20,344	20,344	-	217	217	5,962
132,346	3,729	409	579	132,755	4,308	0.024928	0.016655	-	24,655	24,655	-	256	256	6,994
132,346	3,729	409	579	132,755	4,308	0.024928	0.016655	-	7,492	7,492	-	83	83	2,418
132,346	3,729	409	579	132,755	4,308	0.024928	0.016655	-	(8,199)	(8,199)	-	(82)	(82)	(2,380)
132,346	3,729	409	579	132,755	4,308	0.024928	0.016655	-	(670)	(670)	-	(7)	(7)	(343)
132,346	3,729	409	579	132,755	4,308	0.024928	0.016655	-	25,761	25,761	-	266	266	7,302
132,346	3,729	409	579	132,755	4,308	0.024928	0.016655	-	34,591	34,591	-	358	358	9,881
132,346	3,729	409	579	132,755	4,308	0.024928	0.016655	-	(14,026)	(14,026)	-	(174)	(174)	(4,527)
132,346	3,729	409	579	132,755	4,308	0.024928	0.016655	-	(25,367)	(25,367)	-	(323)	(323)	(8,533)
132,346	3,729	409	579	132,755	4,308	0.024928	0.016655	-	(24,507)	(24,507)	-	(304)	(304)	(8,290)
132,346	3,729	409	579	132,755	4,308	0.024928	0.016655	-	(18,091)	(18,091)	-	(208)	(208)	(5,598)
132,346	3,729	409	579	132,755	4,308	0.024928	0.016655	-	(644)	(644)	-	6	6	(9)
132,346	3,729	409	579	132,755	4,308	0.024928	0.016655	-	(15,949)	(15,949)	-	(167)	(167)	(4,890)
132,346	3,729	409	579	132,755	4,308	0.024928	0.016655	-	(17,438)	(17,438)	-	(197)	(197)	(5,669)
132,346	3,729	409	579	132,755	4,308	0.024928	0.016655	-	(19,305)	(19,305)	-	(244)	(244)	(6,835)
132,346	3,729	409	579	132,755	4,308	0.024928	0.016655	-	(18,981)	(18,981)	-	(243)	(243)	(6,544)
132,346	3,729	409	579	132,755	4,308	0.024928	0.016655	-	(17,120)	(17,120)	-	(190)	(190)	(5,857)
132,346	3,729	409	579	132,755	4,308	0.024928	0.016655	-	(16,337)	(16,337)	-	(182)	(182)	(5,600)
132,346	3,729	409	579	132,755	4,308	0.024928	0.016655	-	(9,990)	(9,990)	-	(124)	(124)	(3,170)
132,346	3,729	409	579	132,755	4,308	0.024928	0.016655	-	511	511	-	(1)	(1)	84
132,346	3,729	409	579	132,755	4,308	0.024928	0.016655	-	8,066	8,066	-	93	93	2,270
132,346	3,729	409	579	132,755	4,308	0.024928	0.016655	-	12,846	12,846	-	144	144	3,897
132,346	3,729	409	579	132,755	4,308	0.024928	0.016655	-	18,536	18,536	-	218	218	5,792
132,346	3,729	409	579	132,755	4,308	0.024928	0.016655	-	2,788	2,788	-	58	58	1,614
133,099	3,735	410	585	133,509	4,320	0.024928	0.016655	(8,493)	-	(8,493)	(73)	-	-	(4,307)
133,099	3,735	410	585	133,509	4,320	0.024928	0.016655	(3,079)	-	(3,079)	(12)	-	-	(2,804)
133,099	3,735	410	585	133,509	4,320	0.024928	0.016655	1,109	-	1,109	16	-	-	934
133,099	3,735	410	585	133,509	4,320	0.024928	0.016655	(8,444)	-	(8,444)	(68)	-	-	(2,082)

133,099	3,735	410	585	133,509	4,320	0.024928	0.016655	16,303	-	16,303	124	-	124	7,143
133,099	3,735	410	585	133,509	4,320	0.024928	0.016655	26,360	-	26,360	208	-	208	11,570
133,099	3,735	410	585	133,509	4,320	0.024928	0.016655	26,103	-	26,103	205	-	205	11,532
133,099	3,735	410	585	133,509	4,320	0.024928	0.016655	(5,104)	-	(5,104)	(59)	-	(59)	(948)
133,099	3,735	410	585	133,509	4,320	0.024928	0.016655	(3,799)	-	(3,799)	(14)	-	(14)	(3,054)
133,099	3,735	410	585	133,509	4,320	0.024928	0.016655	10,427	-	10,427	144	-	144	(743)
133,099	3,735	410	585	133,509	4,320	0.024928	0.016655	2,300	-	2,300	56	-	56	(1,682)
133,099	3,735	410	585	133,509	4,320	0.024928	0.016655	4,321	-	4,321	78	-	78	(1,577)
133,099	3,735	410	585	133,509	4,320	0.024928	0.016655	35,836	-	35,836	413	-	413	3,531
133,099	3,735	410	585	133,509	4,320	0.024928	0.016655	31,043	-	31,043	361	-	361	2,924
133,099	3,735	410	585	133,509	4,320	0.024928	0.016655	20,798	-	20,798	249	-	249	1,350
133,099	3,735	410	585	133,509	4,320	0.024928	0.016655	7,054	-	7,054	91	-	91	(269)
133,099	3,735	410	585	133,509	4,320	0.024928	0.016655	(1,456)	-	(1,456)	(8)	-	(8)	(1,080)
133,099	3,735	410	585	133,509	4,320	0.024928	0.016655	(5,619)	-	(5,619)	(48)	-	(48)	(2,590)
133,099	3,735	410	585	133,509	4,320	0.024928	0.016655	7,876	-	7,876	110	-	110	(513)
133,099	3,735	410	585	133,509	4,320	0.024928	0.016655	2,918	-	2,918	51	-	51	(1,222)
133,099	3,735	410	585	133,509	4,320	0.024928	0.016655	3,908	-	3,908	64	-	64	(1,043)
133,099	3,735	410	585	133,509	4,320	0.024928	0.016655	(3,251)	-	(3,251)	(19)	-	(19)	(2,109)
133,099	3,735	410	585	133,509	4,320	0.024928	0.016655	(4,203)	-	(4,203)	(46)	-	(46)	(534)
133,099	3,735	410	585	133,509	4,320	0.024928	0.016655	(4,290)	-	(4,290)	(48)	-	(48)	(683)
133,099	3,735	410	585	133,509	4,320	0.024928	0.016655	(6,962)	-	(6,962)	(87)	-	(87)	(744)
133,099	3,735	410	585	133,509	4,320	0.024928	0.016655	10,138	-	10,138	129	-	129	232
133,099	3,735	410	585	133,509	4,320	0.024928	0.016655	12,855	-	12,855	153	-	153	745
133,099	3,735	410	585	133,509	4,320	0.024928	0.016655	(180)	-	(180)	(4)	-	(4)	(239)
133,099	3,735	410	585	133,509	4,320	0.024928	0.016655	(5,569)	-	(5,569)	(82)	-	(82)	1,164
133,099	3,735	410	585	133,509	4,320	0.024928	0.016655	5,017	-	5,017	13	-	13	5,873
134,120	3,742	413	586	134,533	4,328	0.024928	0.016655	1,688	-	1,688	(11)	-	(11)	4,185
134,120	3,742	413	586	134,533	4,328	0.024928	0.016655	(3,397)	-	(3,397)	(46)	-	(46)	668
134,120	3,742	413	586	134,533	4,328	0.024928	0.016655	(8,187)	-	(8,187)	(82)	-	(82)	(2,243)
134,120	3,742	413	586	134,533	4,328	0.024928	0.016655	3,033	-	3,033	46	-	46	(721)
134,120	3,742	413	586	134,533	4,328	0.024928	0.016655	7,048	-	7,048	90	-	90	(47)
134,120	3,742	413	586	134,533	4,328	0.024928	0.016655	(8,424)	-	(8,424)	(87)	-	(87)	(2,482)
134,120	3,742	413	586	134,533	4,328	0.024928	0.016655	(10,425)	-	(10,425)	(126)	-	(126)	(1,164)
134,120	3,742	413	586	134,533	4,328	0.024928	0.016655	5,733	-	5,733	78	-	78	(277)
134,120	3,742	413	586	134,533	4,328	0.024928	0.016655	13,669	-	13,669	163	-	163	1,013
134,120	3,742	413	586	134,533	4,328	0.024928	0.016655	10,790	-	10,790	130	-	130	553
134,120	3,742	413	586	134,533	4,328	0.024928	0.016655	7,180	-	7,180	89	-	89	(19)
134,120	3,742	413	586	134,533	4,328	0.024928	0.016655	(11,134)	-	(11,134)	(127)	-	(127)	(2,127)
134,120	3,742	413	586	134,533	4,328	0.024928	0.016655	(9,198)	-	(9,198)	(113)	-	(113)	(634)
134,120	3,742	413	586	134,533	4,328	0.024928	0.016655	6,814	-	6,814	90	-	90	(155)
134,120	3,742	413	586	134,533	4,328	0.024928	0.016655	(4,639)	-	(4,639)	(39)	-	(39)	(1,978)
134,120	3,742	413	586	134,533	4,328	0.024928	0.016655	(692)	-	(692)	1	-	1	(1,301)
134,120	3,742	413	586	134,533	4,328	0.024928	0.016655	(8,249)	-	(8,249)	(82)	-	(82)	(2,187)
134,120	3,742	413	586	134,533	4,328	0.024928	0.016655	(5,227)	-	(5,227)	(46)	-	(46)	(2,088)
134,120	3,742	413	586	134,533	4,328	0.024928	0.016655	(9,986)	-	(9,986)	(93)	-	(93)	(2,879)
134,120	3,742	413	586	134,533	4,328	0.024928	0.016655	(11,609)	-	(11,609)	(117)	-	(117)	(3,095)
134,120	3,742	413	586	134,533	4,328	0.024928	0.016655	(2,112)	-	(2,112)	(11)	-	(11)	(1,566)
134,120	3,742	413	586	134,533	4,328	0.024928	0.016655	(3,812)	-	(3,812)	(51)	-	(51)	206
134,120	3,742	413	586	134,533	4,328	0.024928	0.016655	(12,267)	-	(12,267)	(133)	-	(133)	(2,529)
134,120	3,742	413	586	134,533	4,328	0.024928	0.016655	(8,140)	-	(8,140)	(62)	-	(62)	(2,424)
134,120	3,742	413	586	134,533	4,328	0.024928	0.016655	(14,527)	-	(14,527)	(168)	-	(168)	(2,680)
134,120	3,742	413	586	134,533	4,328	0.024928	0.016655	(14,819)	-	(14,819)	(178)	-	(178)	(2,240)
134,120	3,742	413	586	134,533	4,328	0.024928	0.016655	(13,150)	-	(13,150)	(147)	-	(147)	(1,757)
134,120	3,742	413	586	134,533	4,328	0.024928	0.016655	(8,268)	-	(8,268)	(80)	-	(80)	(2,326)
134,120	3,742	413	586	134,533	4,328	0.024928	0.016655	(1,113)	-	(1,113)	2	-	2	(1,148)
134,120	3,742	413	586	134,533	4,328	0.024928	0.016655	5,491	-	5,491	72	-	72	(10)
134,120	3,742	413	586	134,533	4,328	0.024928	0.016655	(2,927)	-	(2,927)	(19)	-	(19)	(1,332)
-	-	-	-	-	-	0.024928	0.016655	(5,605)	-	(5,605)	(61)	-	(61)	-
-	-	-	-	-	-	0.024928	0.016655	(9,141)	-	(9,141)	(66)	-	(66)	-
-	-	-	-	-	-	0.024928	0.016655	2,423	-	2,423	36	-	36	-
-	-	-	-	-	-	0.024928	0.016655	5,193	-	5,193	62	-	62	-
-	-	-	-	-	-	0.024928	0.016655	(2,102)	-	(2,102)	(24)	-	(24)	-
-	-	-	-	-	-	0.024928	0.016655	(9,860)	-	(9,860)	(115)	-	(115)	-
-	-	-	-	-	-	0.024928	0.016655	(15,205)	-	(15,205)	(186)	-	(186)	-
-	-	-	-	-	-	0.024928	0.016655	(12,241)	-	(12,241)	(156)	-	(156)	-
-	-	-	-	-	-	0.024928	0.016655	(14,828)	-	(14,828)	(160)	-	(160)	-
-	-	-	-	-	-	0.024928	0.016655	(3,927)	-	(3,927)	(37)	-	(37)	-
-	-	-	-	-	-	0.024928	0.016655	(9,082)	-	(9,082)	(102)	-	(102)	-

-	-	-	-	-	-	0.024928	0.016655	(15,725)	-	(15,725)	(180)	-	(180)	-
-	-	-	-	-	-	0.024928	0.016655	1,519	-	1,519	24	-	24	-
-	-	-	-	-	-	0.024928	0.016655	7,020	-	7,020	84	-	84	-
-	-	-	-	-	-	0.024928	0.016655	1,789	-	1,789	29	-	29	-
-	-	-	-	-	-	0.024928	0.016655	(12,125)	-	(12,125)	(127)	-	(127)	-
-	-	-	-	-	-	0.024928	0.016655	(16,653)	-	(16,653)	(163)	-	(163)	-
-	-	-	-	-	-	0.024928	0.016655	(13,711)	-	(13,711)	(161)	-	(161)	-
-	-	-	-	-	-	0.024928	0.016655	(168)	-	(168)	0	-	0	-
-	-	-	-	-	-	0.024928	0.016655	22,643	-	22,643	251	-	251	-
-	-	-	-	-	-	0.024928	0.016655	2,777	-	2,777	31	-	31	-
-	-	-	-	-	-	0.024928	0.016655	(13,440)	-	(13,440)	(167)	-	(167)	-
-	-	-	-	-	-	0.024928	0.016655	18,658	-	18,658	209	-	209	-
-	-	-	-	-	-	0.024928	0.016655	16,107	-	16,107	181	-	181	-

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Revenue Impact			Residential MWH Impact				SVS MWH Impact				Residential Smpact				SVS Smpact				Total Smpact	
			Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling		
IND_MWH	REV	SVS	Winter	Summer	Winter	Summer	Winter	Summer	Winter	Summer	Winter	Summer	Winter	Summer	Winter	Summer	Winter	Summer		
752	\$ 401,067	\$ 2,461	-	-	16,104	-	16,104	0	1,21957	0	126,511	1,271957	146,511	-381	401,448	21	2,440	-360	403,888	
1,683	\$ 383,708	\$ 2,652	(17)	-	15,413	(17)	15,413	0	1,57809	0	157,8049	1,411077	157,8049	-436	384,203	24	2,628	-412	386,532	
2,035	\$ 420,811	\$ 3,171	(19)	-	16,892	(19)	16,892	0	1,560515	0	188,834	1,560515	188,834	-473	421,004	26	3,145	-447	424,229	
2,353	\$ 523,828	\$ 3,577	(21)	-	21,027	(21)	21,027	0	1,704035	0	213,0576	1,704035	213,0576	-529	524,138	28	3,546	-501	527,706	
1,040	\$ 271,235	\$ 1,873	(24)	-	10,904	(24)	10,904	0	1,66444	0	110,5772	1,86444	110,5772	-589	277,824	31	1,842	-558	279,666	
674	\$ 190,353	\$ 1,242	(28)	-	7,664	(28)	7,664	0	2,01795	0	72,567	2,01795	72,567	-666	191,039	34	1,209	-653	192,248	
2,328	\$ 548,865	\$ 3,504	(31)	-	22,041	(31)	22,041	0	2,170103	0	214,1977	2,170103	214,1977	-764	549,429	36	3,567	-728	552,996	
4,385	\$ 971,088	\$ 6,286	(34)	-	38,980	(34)	38,980	0	2,293239	0	376,111	2,293239	376,111	-853	971,949	38	6,237	-815	978,207	
4,501	\$ 1,006,550	\$ 6,494	(38)	-	40,488	(38)	40,488	0	2,41875	0	387,489	2,41875	387,489	-943	1,009,293	40	6,454	-903	1,015,707	
161	\$ 77,854	\$ 838	(44)	-	3,167	(44)	3,167	0	2,54563	0	47,77327	2,54563	47,77327	-1,091	78,945	42	796	-1,049	79,740	
(586)	\$ (132,469)	\$ (911)	(48)	-	(5,286)	(48)	(5,286)	0	2,502822	0	57,2132	2,502822	57,2132	-1,197	-131,272	42	-953	-1,155	-132,225	
2,183	\$ 487,155	\$ 3,165	(58)	-	19,601	(58)	19,601	0	2,834862	0	186,5896	2,834862	186,5896	-1,455	488,610	47	3,108	-1,408	491,717	
3,548	\$ 814,031	\$ 5,380	(70)	-	32,725	(70)	32,725	0	3,02394	0	320,03	3,02394	320,03	-1,736	815,767	50	5,330	-1,685	821,097	
3,162	\$ 753,752	\$ 4,824	(85)	-	29,520	(85)	29,520	0	3,266505	0	292,3504	3,266505	292,3504	-2,126	755,878	54	4,869	-2,107	760,477	
2,098	\$ 527,098	\$ 3,570	(108)	-	21,253	(108)	21,253	0	3,518934	0	210,8996	3,518934	210,8996	-2,694	529,790	59	3,512	-2,646	533,402	
(1,452)	\$ (332,406)	\$ (2,335)	(105)	-	(13,229)	(105)	(13,229)	0	0,661674	0	-140,879	0,661674	-140,879	-2,628	-329,781	11	-2,346	-2,617	-332,127	
(1,265)	\$ (386,231)	\$ (2,944)	38	-	(14,730)	38	(14,730)	0	-16,2967	0	-161,653	-16,2967	-161,653	959	-367,189	-271	-2,692	687	-369,882	
(4)	\$ (57,455)	\$ (386)	(44)	-	(2,261)	(44)	(2,261)	0	-11,1353	0	-27,0529	-11,1353	-27,0529	-1,087	-56,368	-185	-451	-1,272	-56,813	
421	\$ 110,383	\$ 913	(237)	-	4,665	(237)	4,665	0	4,693933	0	50,14015	4,693933	50,14015	5,897	116,281	78	835	5,819	117,116	
258	\$ 146,047	\$ 1,409	(272)	-	6,131	(272)	6,131	0	5,014802	0	79,60465	5,014802	79,60465	-6,792	152,840	84	1,326	-6,709	154,166	
2,986	\$ 705,241	\$ 5,054	(308)	-	28,800	(308)	28,800	0	5,338933	0	298,1205	5,338933	298,1205	-7,669	712,950	89	4,965	-7,580	717,015	
(1,031)	\$ (220,224)	\$ (1,319)	(332)	-	(7,891)	(332)	(7,891)	0	4,103941	0	-83,2913	4,103941	-83,2913	-4,285	-196,939	-58	-1,387	-4,217	-200,325	
(379)	\$ (152,032)	\$ (1,338)	15	-	(6,113)	15	(6,113)	0	-68,1723	-11,5906	-68,773	-68,1723	-68,773	304	-152,396	-193	-1,145	-153,546		
(586)	\$ (163,544)	\$ (1,178)	(943)	-	(6,217)	(943)	(6,217)	0	-2,94962	0	-67,6656	-2,94962	-67,6656	-5,48	-154,986	-49	-1,127	-8,597	-156,113	
(890)	\$ (183,480)	\$ (1,757)	(948)	-	(9,306)	(948)	(9,306)	0	-1,70767	0	-103,773	-1,70767	-103,773	48,508	-231,987	-28	9,652	48,479	-233,716	
480	\$ 85,738	\$ 455	(30)	-	3,046	(30)	3,046	0	-1,9998	0	-14,6708	-1,9998	-14,6708	9,721	76,014	-69	5,74	9,652	76,399	
(1,189)	\$ (233,109)	\$ (2,459)	(63)	-	(12,899)	(63)	(12,899)	0	-2,31778	0	-145,332	-2,31778	-145,332	-1,561	-321,548	-39	-2,421	-1,559	-323,968	
(739)	\$ (201,044)	\$ (2,585)	6,510	-	(14,547)	6,510	(14,547)	0	12,37423	0	-168,2	12,37423	-168,2	162,272	-363,356	206	9,652	162,471	-365,157	
(715)	\$ (117,200)	\$ (1,752)	7,647	-	(12,349)	7,647	(12,349)	0	-141,027	0	-9,40738	8,995216	-9,40738	18,552	-20,549	148	-137	52,487	-29,724	
116	\$ 31,793	\$ (9)	2,100	-	(824)	2,100	(824)	0	8,895216	0	25,38783	8,895216	25,38783	-18,552	47,203	110	423	-18,441	47,626	
(705)	\$ 24,008	\$ 1,325	(744)	-	1,894	(744)	1,894	0	6,629028	0	-28,3316	6,629028	-28,3316	-49,394	738,113	-498	4,052	-49,832	742,165	
1,308	\$ 244,008	\$ 1,325	(1,859)	-	11,671	(1,859)	11,671	0	107,861	0	-28,3316	107,861	-28,3316	-49,394	738,113	-498	4,052	-49,832	742,165	
3,875	\$ 688,779	\$ 3,556	(1,979)	-	29,610	(1,979)	29,610	0	243,3192	0	-28,3316	243,3192	-28,3316	-49,394	738,113	-498	4,052	-49,832	742,165	
3,875	\$ 688,779	\$ 3,556	(1,979)	-	29,610	(1,979)	29,610	0	243,3192	0	-28,3316	243,3192	-28,3316	-49,394	738,113	-498	4,052	-49,832	742,165	
3,875	\$ 688,779	\$ 3,556	(1,979)	-	29,610	(1,979)	29,610	0	243,3192	0	-28,3316	243,3192	-28,3316	-49,394	738,113	-498	4,052	-49,832	742,165	
3,875	\$ 688,779	\$ 3,556	(1,979)	-	29,610	(1,979)	29,610	0	243,3192	0	-28,3316	243,3192	-28,3316	-49,394	738,113	-498	4,052	-49,832	742,165	
3,875	\$ 688,779	\$ 3,556	(1,979)	-	29,610	(1,979)	29,610	0	243,3192	0	-28,3316	243,3192	-28,3316	-49,394	738,113	-498	4,052	-49,832	742,165	
3,875	\$ 688,779	\$ 3,556	(1,979)	-	29,610	(1,979)	29,610	0	243,3192	0	-28,3316	243,3192	-28,3316	-49,394	738,113	-498	4,052	-49,832	742,165	
3,875	\$ 688,779	\$ 3,556	(1,979)	-	29,610	(1,979)	29,610	0	243,3192	0	-28,3316	243,3192	-28,3316	-49,394	738,113	-498	4,052	-49,832	742,165	
3,875	\$ 688,779	\$ 3,556	(1,979)	-	29,610	(1,979)	29,610	0	243,3192	0	-28,3316	243,3192	-28,3316	-49,394	738,113	-498	4,052	-49,832	742,165	
3,875	\$ 688,779	\$ 3,556	(1,979)	-	29,610	(1,979)	29,610	0	243,3192	0	-28,3316	243,3192	-28,3316	-49,394	738,113	-498	4,052	-49,832	742,165	
3,875	\$ 688,779	\$ 3,556	(1,979)	-	29,610	(1,979)	29,610	0	243,3192	0	-28,3316	243,3192	-28,3316	-49,394	738,113	-498	4,052	-49,832	742,165	
3,875	\$ 688,779	\$ 3,556	(1,979)	-	29,610	(1,979)	29,610	0	243,3192	0	-28,3316	243,3192	-28,3316	-49,394	738,113	-498	4,052	-49,832	742,165	
3,875	\$ 688,779	\$ 3,556	(1,979)	-	29,610	(1,979)	29,610	0	243,3192	0	-28,3316	243,3192	-28,3316	-49,394	738,113	-498	4,052	-49,832	742,165	
3,875	\$ 688,779	\$ 3,556	(1,979)	-	29,610	(1,979)	29,610	0	243,3192	0	-28,3316	243,3192	-28,3316	-49,394	738,113	-498	4,052	-49,832	742,165	
3,875	\$ 688,779	\$ 3,556	(1,979)	-	29,610	(1,979)	29,610	0	243,3192	0	-28,3316	243,3192	-28,3316	-49,394	738,113	-498	4,052	-49,832	742,165	
3,875	\$ 688,779	\$ 3,556	(1,979)	-	29,610	(1,979)	29,610	0	243,3192	0	-28,3316	243,3192	-28,3316	-49,394	738,113	-498	4,052	-49,832	742,165	
3,875	\$ 688,779	\$ 3,556	(1,979)	-	29,610	(1,979)	29,610	0	243,3192	0	-28,3316	243,3192	-28,3316	-49,394	738,113	-498	4,052	-49,832	742,165	
3,875	\$ 688,779	\$ 3,556	(1,979)	-	29,610	(1,979)	29,610	0	243,3192	0	-28,3316	243,3192	-28,3316	-49,394	738,113	-498	4,052	-49,832	742,165	
3,875	\$ 688,779	\$ 3,556	(1,979)	-	29,610	(1,979)	29,610	0	243,3192	0	-28,3316	24								

8	\$	(141,772)	\$	(1,077)	\$	(142,249)	(7,265)	-	1,902	-	(7,765)	1,902	-80,185	0	15,52268	-181,112	39,940	-1,335	259	-182,447	40,198
(121)	\$	(130,744)	(927)	\$	(131,871)	(5,461)	216	-54,435	0	2,749,146	0	58,4135	2,749,146	0	-58,4135	-136,120	5,376	-873	46	-137,093	5,422
87	\$	(83,224)	(783)	\$	(84,007)	(5,830)	2,080	-67,509	0	19,75951	0	66,7509	19,75951	0	-66,7509	-145,321	52,097	-1,112	329	-146,432	52,426
(460)	\$	(282,432)	(2,024)	\$	(284,456)	(9,868)	(660)	-116,899	0	96,08994	0	-116,899	-4,65173	0	96,08994	-245,990	-2,567	-1,947	-77	-247,937	-16,520
(590)	\$	(31,750)	(756)	\$	(31,506)	(11,242)	10,009	-	10,009	-	(11,242)	10,009	-141,504	0	-141,504	-280,249	249,500	2,357	1,600	-282,602	251,100
(331)	\$	(273,262)	(1,972)	\$	(273,262)	(8,674)	784	-110,384	0	10,02297	0	-110,384	10,02297	0	10,02297	-241,142	19,550	-1,838	167	-242,980	19,717
218	\$	(371,262)	2,927	\$	(376,203)	17,897	(2,729)	202,646	0	-26,9081	0	-26,9081	-26,9081	0	-26,9081	441,152	-67,870	3,375	-448	444,527	-68,319
326	\$	538,318	4,090	\$	542,408	24,313	(2,718)	272,4691	0	-26,8851	0	-26,8851	-26,8851	0	-26,8851	606,082	-67,764	4,538	-408	610,620	-68,212
831	\$	1,004,205	7,378	\$	1,011,583	43,012	(2,728)	272,4691	0	-26,8851	0	-26,8851	-26,8851	0	-26,8851	1,072,197	-67,592	7,828	-450	1,080,025	-68,442
282	\$	517,180	3,879	\$	521,060	23,480	(2,733)	260,0153	0	-27,0854	0	-27,0854	-27,0854	0	-27,0854	585,308	-68,128	4,331	-451	589,638	-68,579
(5)	\$	206,482	1,848	\$	211,131	11,135	(2,732)	126,1294	0	-27,1063	0	-27,1063	-27,1063	0	-27,1063	277,576	-68,094	2,101	-451	279,677	-68,545
(9)	\$	66,808	422	\$	66,230	2,540	(301)	27,7983	0	-2,45816	0	-2,45816	-2,45816	0	-2,45816	63,311	-70,504	463	-41	63,774	-71,545
(133)	\$	(74,114)	(358)	\$	(74,470)	(209)	(2,764)	6,08269	0	-27,4661	0	-27,4661	-27,4661	0	-27,4661	5,204	-68,9376	2,801	-457	5,102	-69,367
161	\$	283,712	2,340	\$	286,052	14,565	(2,763)	168,1817	0	-27,6555	0	-27,6555	-27,6555	0	-27,6555	363,088	-69,376	2,801	-461	365,889	-69,837
(144)	\$	(64,943)	(321)	\$	(65,285)	204	(2,809)	8,050506	0	-27,9319	0	-27,9319	-27,9319	0	-27,9319	5,080	-70,093	144	-465	5,234	-70,489
20	\$	55,718	692	\$	56,008	5,078	(2,843)	69,80672	0	-28,2615	0	-28,2615	-28,2615	0	-28,2615	126,588	-70,871	1,163	-471	127,751	-71,341
(37)	\$	(1,154)	255	\$	(1,000)	2,801	(2,848)	43,59671	0	-28,3041	0	-28,3041	-28,3041	0	-28,3041	69,851	-70,985	726	-471	70,557	-71,456
(174)	\$	(117,125)	(675)	\$	(117,800)	(1,845)	(2,853)	-12,166	0	-28,3534	0	-28,3534	-28,3534	0	-28,3534	-46,003	-71,122	-203	-472	-46,205	-71,595
(480)	\$	(318,840)	(2,425)	\$	(321,265)	(10,754)	(2,036)	-125,969	0	-19,637	0	-19,637	-19,637	0	-19,637	-268,077	-70,764	-2,098	-327	-270,175	-51,091
656	\$	(35,420)	(909)	\$	(36,229)	(11,988)	10,568	-149,662	0	101,0965	0	101,0965	10,568	-149,662	0	-149,662	263,428	-2,493	1,684	-301,341	265,112
772	\$	(167,080)	(1,755)	\$	(168,815)	(11,590)	3,885	-140,424	0	35,06016	0	35,06016	3,885	-140,424	0	-140,424	91,856	-2,359	384	-231,255	92,440
(36)	\$	104,896	1,171	\$	104,837	(8,734)	13,932	-120,518	0	80,60143	0	80,60143	13,932	-120,518	0	-120,518	215,994	-1,757	1,342	-227,013	216,336
1,268	\$	183,697	1,572	\$	185,268	10,104	(2,735)	121,5397	0	-27,1517	0	-27,1517	-27,1517	0	-27,1517	-242,642	347,308	-2,007	2,179	-244,649	349,487
94	\$	100,685	938	\$	101,823	6,199	(2,160)	77,70537	0	-28,7402	0	-28,7402	-28,7402	0	-28,7402	68,185	-2,024	452	-395	187,407	-60,575
(33)	\$	125,897	965	\$	126,832	7,462	(2,414)	83,5072	0	-25,989	0	-25,989	-25,989	0	-25,989	186,017	-60,180	1,391	-433	187,407	-60,575
144	\$	285,012	2,154	\$	270,188	13,375	(2,824)	55,3358	0	-25,1745	0	-25,1745	-25,1745	0	-25,1745	33,614	-65,402	2,587	-483	336,001	-65,835
(7)	\$	35,581	505	\$	36,068	3,969	(2,843)	55,57339	0	-25,1745	0	-25,1745	-25,1745	0	-25,1745	96,943	-65,382	925	-419	99,868	-65,801
206	\$	442,798	3,654	\$	446,452	21,807	(2,439)	24,9367	0	-22,8292	0	-22,8292	-22,8292	0	-22,8292	605,507	-57,463	4,485	-380	609,992	-57,843
333	\$	540,044	4,105	\$	552,149	24,280	(2,305)	269,2985	0	-22,8292	0	-22,8292	-22,8292	0	-22,8292	154,539	-53,854	1,294	-357	155,833	-54,210
47	\$	100,685	938	\$	101,823	6,199	(2,160)	77,70537	0	-28,7402	0	-28,7402	-28,7402	0	-28,7402	186,017	-60,180	1,391	-433	187,407	-60,575
(223)	\$	(282,796)	(1,828)	\$	(284,824)	(9,328)	(2,018)	-89,7068	0	-20,0328	0	-20,0328	-20,0328	0	-20,0328	-232,484	-1,494	-334	-233,978	-50,646	
96	\$	154,993	1,305	\$	156,298	8,109	(1,891)	97,18022	0	-18,8	0	-18,8	-18,8	0	-18,8	202,134	-47,141	1,619	-313	203,752	-47,454
840	\$	942,430	6,758	\$	949,188	39,300	(1,494)	420,3645	0	-14,8256	0	-14,8256	-14,8256	0	-14,8256	979,661	-37,231	7,005	-247	986,665	-37,478
762	\$	1,171,270	8,345	\$	1,176,815	48,384	(1,396)	514,9442	0	-13,8917	0	-13,8917	-13,8917	0	-13,8917	1,206,111	-34,840	8,576	-231	1,214,687	-35,072
865	\$	1,003,722	7,172	\$	1,010,884	41,573	(1,309)	443,6519	0	-13,0231	0	-13,0231	-13,0231	0	-13,0231	1,036,341	-30,321	7,389	-217	1,043,730	-30,836
393	\$	345,235	3,995	\$	352,229	23,209	(1,216)	251,9681	0	-12,1248	0	-12,1248	-12,1248	0	-12,1248	578,555	-30,321	4,197	-202	582,752	-30,522
161	\$	187,158	1,475	\$	188,633	8,641	(1,133)	99,87035	0	-11,3142	0	-11,3142	-11,3142	0	-11,3142	215,395	-28,237	1,663	-188	217,059	-28,425
42	\$	84,815	657	\$	85,272	4,457	(1,083)	50,07049	0	-10,6383	0	-10,6383	-10,6383	0	-10,6383	111,102	-26,487	884	-177	111,936	-26,664
(333)	\$	(230,223)	(2,377)	\$	(232,601)	(12,265)	(2,457)	50,07049	0	-10,6383	0	-10,6383	-10,6383	0	-10,6383	111,102	-26,487	884	-177	111,936	-26,664
(379)	\$	(402,896)	(2,954)	\$	(405,847)	(15,319)	(6,41)	-168,857	0	-8,45756	0	-8,45756	-8,45756	0	-8,45756	-381,860	-21,093	-2,812	-142	-384,672	-21,175
11	\$	(73,996)	(852)	\$	(74,351)	(12,124)	(844)	-12,607	0	-8,55756	0	-8,55756	-8,55756	0	-8,55756	32,954	-210	-163	-163	-384,672	-21,175
(322)	\$	(354,491)	(2,952)	\$	(357,083)	(14,041)	(14,041)	-154,027	0	-1,6048	0	-1,6048	-1,6048	0	-1,6048	-350,025	-4,466	-2,565	-27	-352,590	-4,492
(340)	\$	(284,493)	(2,247)	\$	(290,710)	(11,452)	(12,0)	-133,898	0	-1,01211	0	-1,01211	-1,01211	0	-1,01211	-285,483	-2,980	-2,230	-17	-287,713	-2,997
461	\$	508,031	4,351	\$	510,412	25,059	(748)	270,7931	0	-7,64556	0	-7,64556	-7,64556	0	-7,64556	624,679	-18,648	4,509	-127	629,187	-18,776
429	\$	556,016	4,033	\$	560,048	23,045	(740)	249,7328	0	-7,54774	0	-7,54774	-7,54774	0	-7,54774	574,472	-18,456	4,159	-126	578,631	-18,562
428	\$	551,355	4,001	\$	555,358	22,856	(734)	249,7328	0	-7,54774	0	-7,54774	-7,54774	0	-7,54774	569,742	-18,387	4,127	-126	573,869	-18,513
(34)	\$	(10,288)	(62)	\$	(10,370)	289	(701)	2,234636	0	-7,16109	0	-7,16109	-7,16109	0	-7,16109	7,196	-17,484	37	-119	7,234	-17,603
801	\$	1,125,026	8,001	\$	1,133,027	45,864	(753)	488,1028	0	-7,70878	0	-7,70878	-7,70878	0	-7,70878	1,143,806	-18,781	8,123	-128	1,151,996	-18,909
1,000	\$	1,427,684	10,112	\$	1,437,796	58,037	(765)	614,9868	0	-7,82543	0	-7,82543	-7,82543	0	-7,82543	1,446,748	-19,243	10,243	-130	1,456,991	-19,195
813	\$	1,137,020	8,092	\$	1,145,112	46,393	(761)	493,8384	0	-7,98444	0	-7,98444	-7,98444	0	-7,98444	1,156,478	-19,458	8,225	-133	1,164,703	-19,551
230	\$	239,023	1,842	\$	240,865	10,394	(806)	118,8344	0	-8,24569	0	-8,24569	-8,24569	0	-8,24569	259,112	-20,089	1,979	-137	261,091	-20,226
(419)	\$	(290,798)	(2,221)	\$	(293,010)	(12,431)	766	-131,68	0	-141,68	0	-141,68	-141,68	0	-141,68	-305,879	-19,091	-2,360	139	-312,239	19,229
(315)	\$	(323,535)	(2,709)	\$	(326,244)	(16,276)	3,297	-197,004	0	34,37644	0	34,37644	3,297	-197,004	0	-197,004	82,193	-3,281	573	-409,009	82,765
(343)	\$	(302,693)	(2,331)	\$	(305,024)	(12,132)	(11)	-140,133	0	0,158734	0	0,158734	-140,133	0	0,158734	-302,425	-268	-2,334	3	-304,758	-266
23	\$	32,791	281	\$	33,072	2,226	(810)	26,13967	0	-9,30443	0	-9,30443	-9,30443	0	-9,30443	55,483	-22,693	436	-155	55,920	-22,848
83	\$	107,291	823	\$	108,114	5,239	(935)	58,96276	0	-9,55085	0	-9,55085	-9,55085	0	-9,55085	130,597	-23,306	982	-159	131,579	-23,465
200	\$	222,985	1,708	\$	224,890	9,909	(944)	112,2522	0	-9,											

[illegible]

(856)	\$	(76,245)	\$	(23)	\$	(78,269)	7,658	-	(10,797)	-	7,658	(10,797)	99,88579	0	-101,292	0	99,88579	-101,292	190,908	-269,153	1,664	-1,687	192,572	-270,840	
(269)	\$	28,895	\$	452	\$	28,147	5,567	(4,416)	(4,416)	68,21816	0	-41,0779	0	68,21816	0	-41,0779	0	68,21816	-41,0779	136,776	-110,081	1,136	-684	139,912	-110,765
521	\$	74,498	\$	378	\$	74,868	(504)	3,492	-5,30812	28,01023	0	-5,30812	28,01023	0	-5,30812	28,01023	0	-5,30812	-22,657	136,625	-229	868	-22,667	139,493	
642	\$	115,988	\$	838	\$	116,827	(863)	5,561	-13,7766	52,12639	0	-13,7766	52,12639	0	-13,7766	52,12639	0	-13,7766	-16,527	130,367	-156	-756	-16,683	-131,124	
(776)	\$	(140,894)	\$	(913)	\$	(147,607)	(663)	(5,230)	-9,38016	-45,4147	0	-45,4147	0	-45,4147	0	-45,4147	0	-45,4147	-31,94714	-128,124	3,7154	-341,894	515	-1,274	
(1,313)	\$	(304,369)	\$	(1,616)	\$	(305,906)	(1,505)	(13,715)	30,94714	0	-128,124	0	-128,124	0	-128,124	0	-128,124	0	-128,124	-11,888	-221,336	-110	-1,998	-344,018	
(1,384)	\$	(233,224)	\$	(1,384)	\$	(234,608)	(477)	(8,679)	-6,60286	0	-76,4898	0	-76,4898	0	-76,4898	0	-76,4898	0	-76,4898	-746	-298,073	30	-1,784	-299,857	
(1,555)	\$	(298,619)	\$	(1,754)	\$	(300,673)	(30)	(11,957)	1,776357	0	-41,418	0	-41,418	0	-41,418	0	-41,418	0	-41,418	33,425	-113,601	381	-690	-114,291	
(346)	\$	(60,176)	\$	(309)	\$	(60,485)	1,341	(4,557)	22,87287	0	32,2807	0	32,2807	0	32,2807	0	32,2807	0	32,2807	121,071	100	578	5,448	121,609	
865	\$	126,418	\$	638	\$	127,057	215	4,857	6,028844	0	28,74435	0	28,74435	0	28,74435	0	28,74435	0	28,74435	107,926	-72	479	-7,516	108,405	
781	\$	100,482	\$	407	\$	100,888	(298)	4,330	-4,33116	0	-103,336	0	-103,336	0	-103,336	0	-103,336	0	-103,336	-286,325	232	-1,721	16,048	-290,047	
(1,394)	\$	(272,300)	\$	(1,486)	\$	(273,966)	634	(11,566)	13,94411	0	-46,0168	0	-46,0168	0	-46,0168	0	-46,0168	0	-46,0168	-184,911	224	-1,100	15,662	-186,011	
(790)	\$	(166,473)	\$	(876)	\$	(170,349)	819	(7,418)	13,43583	0	-25,6685	0	-25,6685	0	-25,6685	0	-25,6685	0	-25,6685	8,203	-63,270	126	-428	8,329	
(136)	\$	(65,067)	\$	(302)	\$	(65,389)	329	(2,538)	7,542408	0	-48,9726	0	-48,9726	0	-48,9726	0	-48,9726	0	-48,9726	-136,872	71	-832	4,350	-139,705	
(891)	\$	(134,593)	\$	(761)	\$	(135,354)	172	(5,571)	4,27812	0	-58,53	0	-58,53	0	-58,53	0	-58,53	0	-58,53	5,180	-174,569	81	-975	5,260	
(896)	\$	(163,390)	\$	(894)	\$	(170,294)	208	(7,003)	4,852376	0	2,221712	0	2,221712	0	2,221712	0	2,221712	0	2,221712	-2,321	-90,746	37	-491	-2,284	
(721)	\$	(63,067)	\$	(454)	\$	(63,521)	(93)	(3,640)	0	-29,4892	2,21712	-29,4892	2,21712	-29,4892	2,21712	-29,4892	2,21712	-29,4892	2,21712	386,549	35	2,708	-2,218	389,257	
1,845	\$	384,295	\$	2,744	\$	387,039	(80)	15,507	0	2,10987	0	2,10987	0	2,10987	0	2,10987	0	2,10987	0	2,10987	2,253	3,927	-2,134	261,708	
1,057	\$	257,814	\$	1,880	\$	258,574	(87)	10,421	0	2,003592	0	2,003592	0	2,003592	0	2,003592	0	2,003592	0	2,003592	1,982	-36,172	31	-132	
(311)	\$	(84,159)	\$	(101)	\$	(84,286)	(80)	(1,451)	0	1,889373	0	1,889373	0	1,889373	0	1,889373	0	1,889373	0	1,889373	-160,061	29	-1,147	-1,766	
(895)	\$	(161,896)	\$	(1,116)	\$	(162,974)	(72)	(6,421)	0	-7,94984	1,889373	-7,94984	1,889373	-7,94984	1,889373	-7,94984	1,889373	-7,94984	1,889373	-1,796	121,033	27	629	-1,632	
625	\$	119,374	\$	656	\$	120,030	(67)	4,855	0	1,614867	0	1,614867	0	1,614867	0	1,614867	0	1,614867	0	1,614867	380,186	25	2,244	-1,481	
1,762	\$	378,670	\$	2,270	\$	380,940	(61)	15,251	0	1,513627	0	1,513627	0	1,513627	0	1,513627	0	1,513627	0	1,513627	355,370	23	2,089	-1,363	
1,613	\$	355,984	\$	2,112	\$	356,076	(56)	14,256	0	1,386086	0	1,386086	0	1,386086	0	1,386086	0	1,386086	0	1,386086	209,978	21	1,137	-1,240	
980	\$	208,717	\$	1,158	\$	209,875	(51)	8,423	0	1,278844	0	1,278844	0	1,278844	0	1,278844	0	1,278844	0	1,278844	192,078	20	1,079	-1,119	
920	\$	190,939	\$	1,098	\$	192,088	(46)	7,705	0	1,178538	0	1,178538	0	1,178538	0	1,178538	0	1,178538	0	1,178538	363,584	18	2,344	-1,016	
1,542	\$	382,350	\$	2,362	\$	384,912	(41)	14,585	0	1,074498	0	1,074498	0	1,074498	0	1,074498	0	1,074498	0	1,074498	440,886	16	2,890	-897	
1,946	\$	493,972	\$	2,907	\$	442,878	(37)	17,686	0	0,985498	0	0,985498	0	0,985498	0	0,985498	0	0,985498	0	0,985498	-914	497,354	15	3,157	
1,747	\$	405,631	\$	3,172	\$	406,733	(32)	19,952	0	0,896503	0	0,896503	0	0,896503	0	0,896503	0	0,896503	0	0,896503	-794	406,327	14	2,541	
1,746	\$	405,633	\$	2,554	\$	408,187	(28)	16,300	0	0,813568	0	0,813568	0	0,813568	0	0,813568	0	0,813568	0	0,813568	-695	406,327	14	2,541	
2,111	\$	467,208	\$	2,832	\$	470,040	(23)	18,766	0	0,743955	0	0,743955	0	0,743955	0	0,743955	0	0,743955	0	0,743955	-579	467,787	12	2,820	
2,795	\$	827,008	\$	3,828	\$	830,536	(18)	25,171	0	0,659055	0	0,659055	0	0,659055	0	0,659055	0	0,659055	0	0,659055	-460	827,488	11	3,817	
3,572	\$	804,105	\$	4,885	\$	806,990	(14)	32,271	0	0,561799	0	0,561799	0	0,561799	0	0,561799	0	0,561799	0	0,561799	-348	804,448	10	4,875	
2,523	\$	529,409	\$	3,523	\$	530,932	(9)	22,691	0	0,511585	0	0,511585	0	0,511585	0	0,511585	0	0,511585	0	0,511585	-228	529,637	9	3,514	
2,409	\$	529,384	\$	3,366	\$	530,300	(7)	21,145	0	0,440771	0	0,440771	0	0,440771	0	0,440771	0	0,440771	0	0,440771	-171	527,105	7	3,359	
(87)	\$	(3,900)	\$	(26)	\$	(3,935)	(6)	(151)	0	0,382078	0	0,382078	0	0,382078	0	0,382078	0	0,382078	0	0,382078	-125	-359,262	6	-33	
(1,823)	\$	(359,387)	\$	(2,393)	\$	(361,778)	(5)	(14,412)	0	-143,999	0,382078	-143,999	0,382078	-143,999	0,382078	-143,999	0,382078	-143,999	0,382078	-156	-154,797	5	-986		
(752)	\$	(151,912)	\$	(841)	\$	(152,860)	(5)	(6,089)	0	0,298543	0	0,298543	0	0,298543	0	0,298543	0	0,298543	0	0,298543	-88	-292,633	5	-1,795	
(1,478)	\$	(282,722)	\$	(1,790)	\$	(284,512)	(4)	(11,739)	0	0,271353	0	0,271353	0	0,271353	0	0,271353	0	0,271353	0	0,271353	-40	76,637	4	4,29	
232	\$	76,578	\$	433	\$	77,011	(3)	3,075	0	0,236137	0	0,236137	0	0,236137	0	0,236137	0	0,236137	0	0,236137	-71	174,564	3	1,089	
1,49	\$	174,494	\$	1,093	\$	175,596	(3)	7,003	0	0,200921	0	0,200921	0	0,200921	0	0,200921	0	0,200921	0	0,200921	-62	265,401	3	1,500	
1,196	\$	265,338	\$	1,502	\$	266,842	(2)	10,647	0	0,165706	0	0,165706	0	0,165706	0	0,165706	0	0,165706	0	0,165706	-52	113,032	2	510	
523	\$	113,980	\$	512	\$	113,482	(2)	4,534	0	0,128142	0	0,128142	0	0,128142	0	0,128142	0	0,128142	0	0,128142	-44	463,766	2	2,770	
2,089	\$	463,722	\$	2,772	\$	466,484	(2)	18,604	0	0,095274	0	0,095274	0	0,095274	0	0,095274	0	0,095274	0	0,095274	-18	596,469	1	3,621	
2,753	\$	596,451	\$	3,622	\$	600,073	(1)	23,928	0	0,070492	0	0,070492	0	0,070492	0	0,070492	0	0,070492	0	0,070492	-11	342,262	1	2,048	
1,549	\$	342,251	\$	2,049	\$	344,300	(0)	13,730	0	0,046607	0	0,046607	0	0,046607	0	0,046607	0	0,046607	0	0,046607	-8	448,472	1	2,731	
2,081	\$	448,464	\$	2,732	\$	452,186	(0)	18,031	0	0,03652	0	0,03652	0	0,03652	0	0,03652	0	0,03652	0	0,03652	0	542,214	0	3,301	
2,522	\$	542,214	\$	3,301	\$	545,514	-	21,751	0	0	0	0	0	0	0	0	0	0	0	0	0	542,970	0	3,254	
2,495	\$	539,718	\$	3,254	\$	542,970	-	21,651	0	0	0	0	0	0	0	0	0	0	0	0	0	542,970	0	3,254	
1,773	\$	398,556	\$	2,296	\$	401,854	-	16,028	0	0	0	0	0	0	0	0	0	0	0	0	0	401,854	0	2,296	
949	\$	213,974	\$	1,235	\$	215,209	-	8,594	0	0	0	0	0	0	0	0	0	0	0	0	0	215,209	0	1,235	
2,157	\$	472,823	\$	2,799	\$	475,621	-	18,968	0	0	0	0	0	0	0	0	0	0	0	0	0	475,621	0	2,799	
1,202	\$	259,516	\$	1,570	\$	261,086	-	10,411	0	0	0	0	0	0	0	0	0	0	0	0	0	261,086	0	1,570	
1,132	\$	250,868	\$	1,489	\$	252,336	-	10,064	0	0	0	0	0	0	0	0	0	0	0	0	0	252,336	0	1,489	
821	\$	190,397	\$	1,057	\$																				

133,708	\$	563	\$	713	\$	134,419	-	-	-	5,364	0	0	0	0	0	42,79842	0	133,706	0	713	0	134,419
92,083	\$	382	\$	483	\$	92,546	-	-	-	3,693	0	0	0	0	0	29,0001	0	92,083	0	483	0	92,546
167,623	\$	1,028	\$	6,724	-	168,651	-	-	-	6,724	0	0	0	0	0	61,72118	0	167,623	0	1,028	0	168,651
31,848	\$	271	\$	1,267	-	31,859	-	-	-	1,267	0	0	0	0	0	16,2672	0	31,868	0	271	0	31,859
98,740	\$	558	\$	3,882	-	97,318	-	-	-	3,882	0	0	0	0	0	33,4985	0	96,760	0	558	0	97,318
129,969	\$	755	\$	5,214	-	130,724	-	-	-	5,214	0	0	0	0	0	45,34644	0	129,969	0	755	0	130,724
115,036	\$	729	\$	4,647	-	116,586	-	-	-	4,647	0	0	0	0	0	43,75361	0	115,836	0	729	0	116,586
223,387	\$	1,328	\$	8,951	-	224,716	-	-	-	8,951	0	0	0	0	0	79,71382	0	223,387	0	1,328	0	224,715
262,856	\$	1,969	\$	10,545	-	264,427	-	-	-	10,545	0	0	0	0	0	94,23514	0	264,858	0	1,969	0	264,427
284,945	\$	1,534	\$	10,628	-	286,478	-	-	-	10,628	0	0	0	0	0	92,0814	0	284,945	0	1,534	0	286,478
315,232	\$	1,837	\$	12,646	-	317,088	-	-	-	12,646	0	0	0	0	0	110,2674	0	315,232	0	1,837	0	317,088
198,021	\$	881	\$	7,944	-	199,121	-	-	-	7,944	0	0	0	0	0	66,0773	0	198,021	0	1,101	0	199,121
(1,064,992)	\$	(6,745)	\$	(42,723)	-	(1,071,737)	-	-	-	(42,723)	0	0	0	0	0	-404,972	0	-1,064,992	0	-6,745	0	-1,071,737
(233,115)	\$	(1,508)	\$	(9,352)	-	(234,683)	-	-	-	(9,352)	0	0	0	0	0	-94,1643	0	-233,115	0	-1,568	0	-234,683
(105,080)	\$	(582)	\$	(4,240)	-	(106,431)	-	-	-	(4,240)	0	0	0	0	0	-44,7414	0	-105,086	0	-745	0	-106,431
(237,927)	\$	(1,408)	\$	(10,347)	-	(239,335)	-	-	-	(10,347)	0	0	0	0	0	-96,5536	0	-237,927	0	-1,608	0	-239,335
(742,294)	\$	(4,483)	\$	(29,778)	-	(746,783)	-	-	-	(29,778)	0	0	0	0	0	-269,548	0	-742,294	0	-4,489	0	-746,783
(505,268)	\$	(3,014)	\$	(20,269)	-	(508,282)	-	-	-	(20,269)	0	0	0	0	0	-180,989	0	-505,268	0	-3,014	0	-508,282
(18,227)	\$	(206)	\$	(731)	-	(18,434)	-	-	-	(731)	0	0	0	0	0	-12,3816	0	-18,227	0	-206	0	-18,434
169,287	\$	659	\$	6,791	-	170,266	-	-	-	6,791	0	0	0	0	0	57,60105	0	169,287	0	959	0	170,256
78,393	\$	501	\$	3,084	-	78,884	-	-	-	3,084	0	0	0	0	0	30,05514	0	76,383	0	501	0	76,884
145,759	\$	820	\$	5,847	-	146,579	-	-	-	5,847	0	0	0	0	0	49,22191	0	145,759	0	820	0	146,579
155,357	\$	937	\$	6,232	-	156,294	-	-	-	6,232	0	0	0	0	0	56,28814	0	155,357	0	937	0	156,294
284,437	\$	1,744	\$	11,812	-	286,181	-	-	-	11,812	0	0	0	0	0	104,7103	0	284,437	0	1,744	0	286,181
314,026	\$	1,787	\$	12,621	-	316,423	-	-	-	12,621	0	0	0	0	0	107,8886	0	314,026	0	1,797	0	316,423
303,808	\$	3,47	\$	12,179	-	305,335	-	-	-	12,179	0	0	0	0	0	103,8029	0	303,606	0	1,729	0	305,335
347	\$	3,347	\$	12,679	-	348,301	-	-	-	15,486	0	0	0	0	0	135,5894	0	348,043	0	2,258	0	348,301
398,043	\$	2,258	\$	15,486	-	399,301	-	-	-	15,486	0	0	0	0	0	166,2096	0	398,043	0	2,258	0	398,301
473,701	\$	2,788	\$	19,003	-	476,470	-	-	-	19,003	0	0	0	0	0	166,2096	0	473,701	0	2,788	0	476,470
545,862	\$	3,187	\$	21,898	-	549,029	-	-	-	21,898	0	0	0	0	0	190,1702	0	545,862	0	3,167	0	549,029
535,783	\$	3,121	\$	21,493	-	538,004	-	-	-	21,493	0	0	0	0	0	187,4095	0	535,783	0	3,121	0	538,004
594,086	\$	3,390	\$	23,431	-	597,478	-	-	-	23,431	0	0	0	0	0	203,5321	0	594,086	0	3,390	0	597,478
689,895	\$	3,981	\$	27,676	-	693,886	-	-	-	27,676	0	0	0	0	0	239,6444	0	688,895	0	3,991	0	693,886
330,361	\$	1,509	\$	13,277	-	332,809	-	-	-	13,277	0	0	0	0	0	116,9352	0	330,961	0	1,948	0	332,909
289,857	\$	1,595	\$	11,564	-	290,857	-	-	-	11,564	0	0	0	0	0	95,77854	0	288,262	0	1,595	0	289,857
393,824	\$	2,191	\$	15,790	-	395,814	-	-	-	15,790	0	0	0	0	0	131,5256	0	393,624	0	2,191	0	395,814
310,782	\$	1,782	\$	12,738	-	312,760	-	-	-	12,738	0	0	0	0	0	105,7734	0	310,020	0	1,762	0	312,760
311,939	\$	1,796	\$	12,514	-	313,735	-	-	-	12,514	0	0	0	0	0	107,8307	0	311,939	0	1,796	0	313,735
422,005	\$	2,432	\$	16,831	-	424,437	-	-	-	16,831	0	0	0	0	0	146,0494	0	422,005	0	2,432	0	424,437
271,289	\$	1,593	\$	10,882	-	272,882	-	-	-	10,882	0	0	0	0	0	95,96839	0	271,269	0	1,593	0	272,862
(639,095)	\$	(3,786)	\$	(25,366)	-	(642,881)	-	-	-	(25,366)	0	0	0	0	0	-2,26,146	0	-632,328	0	-3,766	0	-639,095
(220,146)	\$	(1,569)	\$	(9,132)	-	(221,645)	-	-	-	(9,132)	0	0	0	0	0	-96,0058	0	-229,146	0	-1,569	0	-230,745
(191,917)	\$	(1,121)	\$	(6,485)	-	(193,038)	-	-	-	(6,485)	0	0	0	0	0	-67,335	0	-161,917	0	-1,121	0	-163,038
(68,811)	\$	(1,139)	\$	(6,485)	-	(69,950)	-	-	-	(6,485)	0	0	0	0	0	-68,4081	0	-68,811	0	-1,139	0	-69,950
(645,639)	\$	(3,862)	\$	(25,900)	-	(649,521)	-	-	-	(25,900)	0	0	0	0	0	-233,109	0	-645,639	0	-3,862	0	-649,521
(313,045)	\$	(1,905)	\$	(12,558)	-	(314,950)	-	-	-	(12,558)	0	0	0	0	0	-117,963	0	-313,048	0	-1,965	0	-315,013
(352,944)	\$	(2,050)	\$	(14,159)	-	(354,994)	-	-	-	(14,159)	0	0	0	0	0	-123,058	0	-352,944	0	-2,050	0	-354,994
(362,813)	\$	(1,655)	\$	(10,819)	-	(364,761)	-	-	-	(10,819)	0	0	0	0	0	-128,967	0	-362,813	0	-2,148	0	-364,761
(451,430)	\$	(2,599)	\$	(18,100)	-	(453,029)	-	-	-	(18,100)	0	0	0	0	0	-156,032	0	-451,430	0	-2,598	0	-454,029
(319,934)	\$	(1,915)	\$	(12,834)	-	(321,849)	-	-	-	(12,834)	0	0	0	0	0	-114,994	0	-319,934	0	-1,915	0	-321,849
(410,822)	\$	(2,488)	\$	(16,480)	-	(412,310)	-	-	-	(16,480)	0	0	0	0	0	-148,192	0	-410,822	0	-2,468	0	-413,290
(716,847)	\$	(4,250)	\$	(28,837)	-	(721,097)	-	-	-	(28,837)	0	0	0	0	0	-255,172	0	-716,847	0	-4,250	0	-723,097
(235,110)	\$	(1,529)	\$	(10,197)	-	(236,639)	-	-	-	(10,197)	0	0	0	0	0	-91,7871	0	-235,110	0	-1,529	0	-236,639
(237)	\$	(305)	\$	(2,188)	-	(239,286)	-	-	-	(2,188)	0	0	0	0	0	-18,3334	0	-237,219	0	-305	0	-238,718
(54,543)	\$	(430)	\$	(64,553)	-	(54,543)	-	-	-	(64,553)	0	0	0	0	0	-27,019	0	-54,543	0	-450	0	-54,553
(30,388)	\$	(173)	\$	(30,388)	-	(30,388)	-	-	-	(30,388)	0	0	0	0	0	-10,3764	0	-30,388	0	-173	0	-30,388
114,466	\$	533	\$	4,592	-	115,160	-	-	-	4,592	0	0	0	0	0	41,64141	0	114,466	0	594	0	115,160
204,298	\$	936	\$	8,186	-	205,512	-	-	-	8,186	0	0	0	0	0	72,86553	0	204,298	0	1,214	0	205,512
237,216	\$	1,426	\$	9,516	-	238,046	-	-	-	9,516	0	0	0	0	0	85,63201	0	237,219	0	1,426	0	238,646
340,460	\$	2,021	\$	13,658	-	342,481	-	-	-	13,658	0	0	0	0	0	121,3647	0	340,460	0	2,021	0	342,481
235,853	\$	1,746	\$	8,501	-	236,286	-	-	-	8,501	0	0	0	0	0	86,80553	0	235,853	0	1,446	0	238,298
469,327	\$	2,776	\$	18,827	-	472,103	-	-	-	18,827	0	0	0	0	0	166,6818	0	469,327	0	2,776	0	472,103
595,202	\$	3,498	\$	23,877	-	598,999	-	-	-	23,877	0	0	0	0	0	210,0121	0	595,202	0	3,498	0	598,699
320,719	\$	1,935	\$	12,856	-	322,654	-	-	-	12,856	0	0	0	0	0	116,1728	0	320,719	0	1,935	0	322,654
240,869	\$	1,406	\$	9,855	-	242,074	-	-	-	9,855	0	0	0	0	0	84,34491	0	240,869	0	1,406	0	242,074
279	\$	2,276	\$	11,422	-	281,733	-	-	-	11,422	0	0	0	0	0	99,24231	0	279,560	0	1,653	0	281,733
192,960	\$	1,172	\$	7,725	-	193,732	-	-	-	7,725	0	0	0	0	0	70,38664	0	192,960	0	1,172	0	193,732
156,843	\$	980	\$	6,364	-	158,623	-	-	-	6,364	0	0	0	0	0	58,84209	0	156,843	0	980	0	158,623

(2,311)	\$ (506,372)	\$ (2,996)	\$ (503,366)	-	-	-	(20,313)	0	0	-179,903	0	-179,903	0	-179,903	0	-61,594	0	-2,996	0	-509,366
(371)	\$ (61,594)	\$ (500)	\$ (62,004)	-	-	-	(2,471)	0	0	-30,0176	0	-30,0176	0	-30,0176	0	-61,594	0	-500	0	-62,004
920	\$ 210,144	\$ 1,191	\$ 211,334	-	-	-	8,430	0	0	71,48273	0	71,48273	0	71,48273	0	210,144	0	1,191	0	211,334
(390)	\$ (96,045)	\$ (516)	\$ (97,461)	-	-	-	(3,089)	0	0	0	0	0	0	0	0	-96,045	0	-515	-1	-97,460
(2,532)	\$ (3,311)	\$ (3,311)	\$ (746,821)	-	-	-	(22,336)	0	0	-198,786	0	-198,786	-1	-198,786	-1	-554,309	0	-3,311	-1	-557,620
(3,534)	\$ (741,805)	\$ (4,647)	\$ (746,452)	-	-	-	(29,762)	0	0	-84,834	0	-84,834	-1	-84,834	-1	-741,904	0	-4,647	-1	-746,551
(1,080)	\$ (237,506)	\$ (1,413)	\$ (238,919)	-	-	-	(9,529)	0	0	0	0	0	0	0	0	-237,505	0	-1,413	-1	-238,918
602	\$ 121,809	\$ 789	\$ 122,598	-	-	-	4,865	0	0	47,38024	0	47,38024	-1	47,38024	-1	121,810	0	789	-1	122,599
331	\$ 83,186	\$ 443	\$ 83,629	-	-	-	2,335	0	0	26,58008	0	26,58008	-1	26,58008	-1	63,187	0	442	-1	63,630
433	\$ 84,932	\$ 581	\$ 85,513	-	-	-	3,407	0	0	34,86368	0	34,86368	-1	34,86368	-1	84,934	0	581	-1	85,514
556	\$ 121,847	\$ 733	\$ 122,581	-	-	-	4,868	0	0	44,00956	0	44,00956	-1	44,00956	-1	121,849	0	733	-1	122,582
(1,976)	\$ (407,679)	\$ (2,583)	\$ (410,262)	-	-	-	(16,354)	0	0	-155,074	0	-155,074	-2	-155,074	-2	-407,677	0	-2,583	-2	-410,260
(3,213)	\$ (659,163)	\$ (4,210)	\$ (663,373)	-	-	-	(26,443)	0	0	-252,797	0	-252,797	-2	-252,797	-2	-659,161	0	-4,210	-2	-663,372
(3,137)	\$ (641,897)	\$ (4,107)	\$ (646,004)	-	-	-	(25,754)	0	0	-246,571	0	-246,571	-2	-246,571	-2	-641,896	0	-4,107	-2	-646,002
(1,181)	\$ (258,769)	\$ (1,522)	\$ (258,292)	-	-	-	(10,300)	0	0	-91,4201	0	-91,4201	-2	-91,4201	-2	-258,767	0	-1,522	-2	-258,290
(1,052)	\$ (233,616)	\$ (1,327)	\$ (235,003)	-	-	-	(9,374)	0	0	-79,705	0	-79,705	-2	-79,705	-2	-233,673	0	-1,327	-2	-235,001
(2,599)	\$ (332,980)	\$ (3,374)	\$ (336,354)	-	-	-	(21,381)	0	0	-202,588	0	-202,588	-2	-202,588	-2	-332,988	0	-3,374	-2	-336,362
782	\$ 169,681	\$ 1,035	\$ 170,716	-	-	-	6,307	0	0	62,13801	0	62,13801	-2	62,13801	-2	169,684	0	1,035	-2	170,719
1,578	\$ 385,554	\$ 2,181	\$ 390,735	-	-	-	13,022	0	0	113,1208	0	113,1208	-2	113,1208	-2	385,554	0	2,181	-2	390,735
2,893	\$ 577,571	\$ 3,448	\$ 581,017	-	-	-	23,166	0	0	207,292	0	207,292	-2	207,292	-2	577,571	0	3,448	-2	581,017
3,879	\$ 829,207	\$ 5,138	\$ 834,345	-	-	-	33,264	0	0	308,4943	0	308,4943	-4	308,4943	-4	829,211	0	5,138	-4	834,349
2,782	\$ 596,362	\$ 3,695	\$ 599,057	-	-	-	23,522	0	0	221,818	0	221,818	-5	221,818	-5	596,367	0	3,694	-5	599,061
1,443	\$ 292,844	\$ 1,999	\$ 294,844	-	-	-	11,748	0	0	120,0089	0	120,0089	-7	120,0089	-7	292,851	0	1,999	-7	294,850
1,201	\$ 223,108	\$ 1,719	\$ 224,827	-	-	-	8,950	0	0	103,2027	0	103,2027	-9	103,2027	-9	223,117	0	1,719	-9	224,835
(2,333)	\$ (57,803)	\$ (1,960)	\$ (57,969)	-	-	-	(2,318)	0	0	-30,082	0	-30,082	-12	-30,082	-12	-57,791	0	-1,960	-12	-57,958
(1,414)	\$ (275,866)	\$ (1,761)	\$ (277,627)	-	-	-	(11,666)	0	0	-105,816	0	-105,816	-16	-105,816	-16	-275,860	0	-1,761	-16	-277,613
437	\$ 110,606	\$ 656	\$ 111,264	-	-	-	4,438	0	0	39,41608	0	39,41608	-21	39,41608	-21	110,627	0	656	-21	111,284
1,296	\$ 289,881	\$ 1,851	\$ 291,732	-	-	-	10,827	0	0	111,0342	0	111,0342	-26	111,0342	-26	289,887	0	1,849	-26	291,737
3,78	\$ 78,762	\$ 721	\$ 79,483	-	-	-	3,172	0	0	43,17879	0	43,17879	-33	43,17879	-33	78,783	0	721	-33	79,493
(2,224)	\$ (426,156)	\$ (2,773)	\$ (428,929)	-	-	-	(17,094)	0	0	-166,665	0	-166,665	-40	-166,665	-40	-426,115	0	-2,776	-40	-428,891
(1,182)	\$ (244,088)	\$ (1,520)	\$ (245,608)	-	-	-	(9,700)	0	0	-91,4507	0	-91,4507	-47	-91,4507	-47	-244,041	0	-1,523	-47	-245,564
(1,452)	\$ (298,012)	\$ (1,831)	\$ (299,843)	-	-	-	(10,749)	0	0	-98,1524	0	-98,1524	-53	-98,1524	-53	-287,959	0	-1,835	-53	-289,594
(717)	\$ (120,767)	\$ (627)	\$ (121,414)	-	-	-	(4,043)	0	0	-37,9018	0	-37,9018	-61	-37,9018	-61	-120,727	0	-631	-61	-121,358
(620)	\$ (91,029)	\$ (407)	\$ (91,436)	-	-	-	(3,636)	0	0	-25,3879	0	-25,3879	-86	-25,3879	-86	-90,665	0	-423	-86	-90,665
1,216	\$ 296,442	\$ 2,046	\$ 298,488	-	-	-	11,910	0	0	121,4099	0	121,4099	-442	121,4099	-442	296,883	0	2,022	-442	298,906
2,436	\$ 543,760	\$ 3,897	\$ 547,657	-	-	-	21,833	0	0	220,3491	0	220,3491	-480	220,3491	-480	544,241	0	3,897	-480	547,911
2,750	\$ 616,373	\$ 4,136	\$ 620,509	-	-	-	24,748	0	0	246,5831	0	246,5831	-537	246,5831	-537	616,910	0	4,107	-537	621,017
2,982	\$ 655,256	\$ 4,457	\$ 659,712	-	-	-	26,310	0	0	265,7722	0	265,7722	-598	265,7722	-598	655,854	0	4,425	-598	660,278
3,414	\$ 754,889	\$ 5,080	\$ 759,969	-	-	-	30,303	0	0	300,9394	0	300,9394	-696	300,9394	-696	755,385	0	5,045	-696	760,439
3,002	\$ 680,215	\$ 4,582	\$ 684,797	-	-	-	26,518	0	0	272,8832	0	272,8832	-775	272,8832	-775	680,990	0	4,545	-775	685,535
2,248	\$ 507,124	\$ 3,616	\$ 510,740	-	-	-	20,378	0	0	214,7353	0	214,7353	-866	214,7353	-866	507,989	0	3,616	-866	511,586
2,721	\$ 614,606	\$ 4,261	\$ 618,867	-	-	-	24,984	0	0	253,3273	0	253,3273	-957	253,3273	-957	615,563	0	4,219	-957	619,782
564	\$ 186,765	\$ 1,363	\$ 188,149	-	-	-	7,537	0	0	80,44931	0	80,44931	-1,107	80,44931	-1,107	187,872	0	1,340	-1,107	189,212
(931)	\$ (204,382)	\$ (1,371)	\$ (205,754)	-	-	-	(8,150)	0	0	-84,9551	0	-84,9551	-1,223	-84,9551	-1,223	-203,160	0	-1,371	-1,223	-204,575
(18)	\$ (16,707)	\$ (115)	\$ (16,822)	-	-	-	(619)	0	0	-9,059	0	-9,059	-1,285	-9,059	-1,285	-15,422	0	-115	-1,285	-15,537
2,770	\$ 642,173	\$ 4,438	\$ 646,611	-	-	-	25,832	0	0	263,3309	0	263,3309	-1,761	263,3309	-1,761	643,934	0	4,438	-1,761	648,320
3,859	\$ 892,294	\$ 5,932	\$ 898,226	-	-	-	34,678	0	0	352,7952	0	352,7952	-2,158	352,7952	-2,158	894,452	0	5,932	-2,158	899,328
(1,176)	\$ (349,651)	\$ (2,901)	\$ (352,552)	-	-	-	(14,129)	0	0	-156,662	0	-156,662	-2,554	-156,662	-2,554	-352,205	0	-2,901	-2,554	-354,814
(2,053)	\$ (632,346)	\$ (5,384)	\$ (637,730)	-	-	-	(25,842)	0	0	-291,945	0	-291,945	-5,380	-291,945	-5,380	-637,706	0	-5,384	-5,380	-642,567
(2,017)	\$ (610,904)	\$ (5,065)	\$ (615,969)	-	-	-	(24,607)	0	0	-294,321	0	-294,321	-5,380	-294,321	-5,380	-617,706	0	-5,065	-5,380	-622,567
(1,089)	\$ (450,872)	\$ (3,466)	\$ (454,338)	-	-	-	(18,029)	0	0	-188,403	0	-188,403	-2,505	-188,403	-2,505	-449,434	0	-3,466	-2,505	-454,338
(102)	\$ (16,044)	\$ 100	\$ (15,943)	-	-	-	(404)	0	0	-171,537	0	-171,537	-5,984	-171,537	-5,984	-390,737	0	100	-5,984	-391,594
(1,929)	\$ (397,696)	\$ (2,774)	\$ (400,470)	-	-	-	(15,975)	0	0	-193,467	0	-193,467	-5,566	-193,467	-5,566	-392,124	0	-2,774	-5,566	-394,346
(1,710)	\$ (434,690)	\$ (3,278)	\$ (437,968)	-	-	-	(17,215)	0	0	-224,321	0	-224,321	-3,694	-224,321	-3,694	-484,941	0	-3,278	-3,694	-488,677
(1,527)	\$ (481,247)	\$ (4,071)	\$ (485,318)	-	-	-	(19,454)	0	0	-218,71	0	-218,71	-2,189	-218,71	-2,189	-470,962	0	-4,071	-2,189	-474,605
(1,433)	\$ (473,151)	\$ (4,053)	\$ (477,204)	-	-	-	(18,893)	0	0	-244,654	0	-244,654	-2,189	-244,654	-2,189	-470,962	0	-4,053	-2,189	-474,605
(1,333)	\$ (428,769)	\$ (3,159)	\$ (431,928)	-	-	-	(16,716)	0	0	-192,044	0	-192,044	-2,505	-192,044	-2,505	-449,434	0	-3,159	-2,505	-452,739
(1,441)	\$ (420,246)	\$ (3,159)	\$ (423,405)	-	-	-	(16,716)	0	0	-192,044	0	-192,044	-2,505	-192,044	-2,505	-449,434	0	-3,159	-2,505	-452,739
(922)	\$ (248,039)	\$ (2,068)	\$ (250,106)	-	-	-	(9,870)	0	0	-110,396	0	-110,396	-2,999	-110,396	-2,999	-246,040	0	-2,068	-2,999	-248,839
238	\$ 12,739	\$ (10)	\$ 12,739	-	-	-	863	0	0	8,25317	0	8,25317	-8,770	8,25317	-8,770	21,509	0	-10	-8,770	21,650
899	\$ 201,059	\$ 1,542	\$ 202,601	-	-	-	8,554	0	0	88,637	0	88,637	-34,658	88,637	-34,658	215,717	0	1,542	-34,658	217,159
1,423	\$ 320,231	\$ 2,404	\$ 322,634	-	-	-	13,475	0	0	140,0068	0	140,0068	-15,681	140,0068	-15,681	320,231	0	2,404	-15,681	322,634
1,859	\$ 462,063	\$ 3,524	\$ 465,587	-	-	-	19,246	0	0	205,6289	0	205,6289	-17,710	205,6289	-17,710	462,063	0	3,524	-17,710	465,587
(201)	\$ (9																			

2,618	\$	408,397	\$	2,084	\$	408,462	(2,339)	-	18,842	-	-	(2,339)	18,842	-33,3912	0	157,3463	-58,304	464,701	-556	2,621	-58,860	467,322
3,908	\$	657,104	\$	3,483	\$	660,567	(2,708)	-	28,068	-	-	(2,708)	29,068	-38,389	0	247,3222	-67,497	724,601	-656	4,119	-68,153	728,771
3,906	\$	650,703	\$	3,412	\$	654,115	(2,694)	-	28,997	-	-	(2,694)	29,997	-41,7041	0	246,6447	-72,140	722,842	-696	4,108	-72,835	726,950
(639)	\$	(127,242)	\$	(991)	\$	(128,233)	(3,094)	-	(2,011)	-	-	(3,094)	(2,011)	-44,2738	0	-35,1998	-77,115	-50,127	-737	-253	-77,853	-50,980
(330)	\$	(94,705)	\$	(238)	\$	(94,943)	(2,413)	-	(6,213)	-	-	(2,413)	(6,213)	-46,47739	0	-60,7705	-60,161	-154,866	774	-1,012	-60,893	-155,878
(140)	\$	259,917	\$	2,405	\$	262,321	16,451	-	(6,025)	-	-	16,451	(6,025)	203,4632	0	-59,0823	410,101	-150,184	3,389	-984	413,490	-151,168
(20)	\$	57,326	\$	927	\$	58,253	8,113	-	(5,813)	-	-	8,113	(5,813)	113,7705	0	-57,0864	202,242	-144,916	1,878	-951	204,120	-145,867
(92)	\$	107,718	\$	1,291	\$	109,009	8,904	-	(5,883)	-	-	9,904	(5,883)	132,3815	0	-54,8776	246,891	-139,173	2,205	-914	249,096	-140,087
434	\$	893,832	\$	8,884	\$	900,211	41,207	-	(6,370)	-	-	41,207	(6,370)	466,1473	0	-52,8114	1,027,199	-139,871	7,764	-880	1,034,962	-140,751
385	\$	773,832	\$	6,018	\$	779,851	36,226	-	(6,183)	-	-	36,226	(6,183)	412,3458	0	-50,9976	909,098	-129,205	6,868	-849	909,905	-130,055
184	\$	518,449	\$	4,141	\$	522,590	25,792	-	(4,994)	-	-	25,792	(4,994)	297,7702	0	-49,1502	642,942	-124,493	4,959	-819	647,901	-125,311
(122)	\$	175,847	\$	1,513	\$	177,360	11,116	-	(4,061)	-	-	11,116	(4,061)	130,09	0	-39,2757	277,092	-101,245	2,167	-654	279,258	-101,899
(313)	\$	(38,292)	\$	(134)	\$	(38,425)	1,264	-	(2,720)	-	-	1,264	(2,720)	16,95795	0	-24,9786	31,506	-67,798	282	-416	31,789	-68,214
(335)	\$	(140,071)	\$	(802)	\$	(140,873)	(1,282)	-	(4,357)	-	-	(1,282)	(4,357)	-24,9786	0	-42,8212	-31,461	-108,610	88	-713	-31,550	-109,323
29	\$	186,351	\$	1,840	\$	188,172	12,185	-	(4,319)	-	-	12,185	(4,319)	152,0623	0	-42,5802	304,001	-107,670	2,549	-709	306,551	-108,379
(102)	\$	72,732	\$	847	\$	73,579	7,114	-	(4,186)	-	-	7,114	(4,186)	40,2096	0	-41,3726	177,331	-104,599	1,536	-689	178,867	-105,288
(52)	\$	97,428	\$	1,066	\$	98,497	7,994	-	(4,085)	-	-	7,994	(4,085)	104,4615	0	-40,2839	199,262	-101,884	1,740	-671	201,002	-102,505
(214)	\$	(81,033)	\$	(300)	\$	(81,342)	995	-	(3,946)	-	-	995	(3,946)	20,39634	0	-38,9325	17,344	-98,378	340	-648	17,684	-99,026
(20)	\$	(104,771)	\$	(772)	\$	(105,543)	(4,679)	-	4,76	-	-	(4,679)	4,76	-50,7736	0	-44,86037	-116,646	11,874	-846	74	-117,491	-91,948
(219)	\$	(108,835)	\$	(794)	\$	(107,729)	(3,897)	-	(393)	-	-	(3,897)	(393)	-45,1116	0	-2,58522	-97,142	-9,793	-751	-43	-97,893	-9,806
(252)	\$	(173,546)	\$	(1,452)	\$	(174,996)	(7,466)	-	504	-	-	(7,466)	504	-92,9556	0	-5,770086	-186,107	12,951	-1,548	96	-187,655	12,657
100	\$	252,722	\$	2,148	\$	254,871	13,504	-	(3,386)	-	-	13,504	(3,386)	162,3271	0	-33,3315	396,637	-48,919	2,704	-555	399,341	-49,474
109	\$	320,449	\$	2,548	\$	322,998	16,125	-	(3,270)	-	-	16,125	(3,270)	185,4254	0	-32,414	401,965	-81,516	3,088	-540	405,054	-82,056
(250)	\$	(4,498)	\$	(74)	\$	(4,572)	1,019	-	(1,198)	-	-	1,019	(1,198)	5,754247	0	-10,19	25,395	-29,892	96	-170	25,491	-30,062
(179)	\$	(138,833)	\$	(1,382)	\$	(140,195)	(9,776)	-	4,207	-	-	(9,776)	4,207	-126,024	0	-12,6024	-243,708	104,875	-2,099	736	-245,807	105,612
1,388	\$	125,087	\$	222	\$	125,286	(10,025)	-	15,043	-	-	(10,025)	15,043	-126,024	0	-12,6024	-243,708	104,875	-2,099	736	-245,807	105,612
1,008	\$	42,076	\$	(176)	\$	41,898	(9,770)	-	11,458	-	-	(9,770)	11,458	-118,73	0	-118,73	-249,914	374,981	-2,149	2,370	-252,063	377,351
384	\$	(84,885)	\$	(773)	\$	(85,659)	(7,369)	-	3,971	-	-	(7,369)	3,971	-82,8496	0	-82,8496	-249,914	374,981	-2,149	2,370	-252,063	377,351
(296)	\$	(204,086)	\$	(3,971)	\$	(205,460)	(6,771)	-	(2,417)	-	-	(6,771)	(2,417)	-58,4641	0	-23,4534	-143,682	98,997	-1,380	607	-185,062	99,603
(26)	\$	75,611	\$	767	\$	76,380	5,920	-	(2,877)	-	-	5,920	(2,877)	74,63855	0	-28,5786	174,6385	-28,5786	1,243	-476	148,812	-72,432
56	\$	173,681	\$	1,482	\$	177,173	9,861	-	(2,814)	-	-	9,861	(2,814)	177,18856	0	-27,8815	295,823	-70,142	1,957	-464	247,779	-70,606
(308)	\$	(210,005)	\$	(1,452)	\$	(211,457)	(5,659)	-	(2,766)	-	-	(5,659)	(2,766)	-58,7196	0	-27,4943	-141,064	-68,942	995	-457	-142,058	-69,398
(31)	\$	(239,865)	\$	(2,104)	\$	(241,969)	(11,203)	-	778	-	-	(11,203)	778	-134,945	0	-134,945	-279,274	19,989	-2,248	143	-281,522	19,593
68	\$	142,908	\$	1,308	\$	144,213	8,503	-	(2,771)	-	-	8,503	(2,771)	108,8775	0	-27,5265	211,973	-69,065	1,763	-458	213,737	-69,523
202	\$	340,730	\$	2,710	\$	343,441	16,445	-	(2,776)	-	-	16,445	(2,776)	190,3527	0	-27,6151	408,933	-69,203	3,170	-460	413,103	-69,663
141	\$	280,969	\$	2,171	\$	283,139	13,565	-	(2,776)	-	-	13,565	(2,776)	157,9834	0	-27,6363	338,137	-69,169	2,631	-460	340,768	-69,629
50	\$	178,988	\$	1,474	\$	180,460	9,974	-	(2,794)	-	-	9,974	(2,794)	116,3638	0	-27,8441	248,636	-69,650	1,938	-464	250,574	-70,114
(431)	\$	(277,548)	\$	(2,108)	\$	(279,656)	(8,817)	-	(1,317)	-	-	(8,817)	(1,317)	-114,598	0	-114,598	-244,711	32,888	-1,907	-200	-246,618	33,038
(416)	\$	(228,277)	\$	(1,676)	\$	(230,953)	(8,659)	-	865	-	-	(8,659)	865	-121,639	0	-121,639	-246,590	17,082	-2,026	150	-248,386	17,232
97	\$	169,849	\$	1,507	\$	171,356	9,657	-	(2,854)	-	-	9,657	(2,854)	118,9759	0	-28,4781	240,987	-71,199	1,962	-474	242,969	-71,613
(185)	\$	(115,830)	\$	(648)	\$	(116,278)	(6,859)	-	(2,854)	-	-	(6,859)	(2,854)	-10,9936	0	-10,9936	-43,641	-71,989	-168	-480	-43,809	-72,469
(121)	\$	(17,262)	\$	12	\$	(17,250)	2,172	-	(2,864)	-	-	2,172	(2,864)	-28,5526	0	-28,5526	54,134	-71,395	488	-476	54,621	-71,871
(264)	\$	(205,619)	\$	(1,382)	\$	(206,981)	(8,061)	-	(2,864)	-	-	(8,061)	(2,864)	-28,5526	0	-28,5526	-151,091	-54,538	-1,007	-355	-152,088	-54,893
(186)	\$	(130,298)	\$	(771)	\$	(131,069)	(2,327)	-	(2,800)	-	-	(2,327)	(2,800)	-28,9318	0	-28,9318	-57,997	-72,901	-289	-482	-58,286	-72,782
(234)	\$	(248,941)	\$	(1,585)	\$	(250,496)	(7,076)	-	(2,810)	-	-	(7,076)	(2,810)	-29,0358	0	-29,0358	-176,389	-72,552	-1,071	-484	-177,400	-73,096
(315)	\$	(289,340)	\$	(1,942)	\$	(291,323)	(8,099)	-	(2,810)	-	-	(8,099)	(2,810)	-29,0246	0	-29,0246	-216,847	-72,594	-1,459	-483	-218,305	-73,017
(118)	\$	(62,647)	\$	(189)	\$	(62,838)	772	-	(2,855)	-	-	772	(2,855)	-28,7531	0	-28,7531	19,232	-71,879	290	-479	19,522	-72,358
19	\$	(85,035)	\$	(645)	\$	(85,680)	(5,886)	-	2,074	-	-	(5,886)	2,074	-70,9275	0	-70,9275	-146,737	51,702	-1,181	336	-147,918	52,098
(404)	\$	(305,803)	\$	(2,221)	\$	(308,024)	(10,593)	-	(1,674)	-	-	(10,593)	(1,674)	-117,49	0	-117,49	-264,067	-41,737	-1,957	-264	-266,023	-42,001
(276)	\$	(202,908)	\$	(1,374)	\$	(204,281)	(5,419)	-	(2,721)	-	-	(5,419)	(2,721)	-55,3912	0	-55,3912	-135,085	-67,822	-923	-451	-136,008	-68,273
(534)	\$	(382,121)	\$	(2,797)	\$	(384,916)	(13,130)	-	(1,397)	-	-	(13,130)	(1,397)	-129,9113	0	-129,9113	-327,302	-94,819	-2,562	-215	-329,884	-35,094
(986)	\$	(389,409)	\$	(2,968)	\$	(392,378)	(14,317)	-	(5,02)	-	-	(14,317)	(5,02)	-174,84	0	-174,84	-356,891	-12,518	-56	-359,803	-12,574	
(440)	\$	(327,791)	\$	(2,454)	\$	(330,245)	(13,316)	-	167	-	-	(13,316)	167	-151,069	0	-151,069	-331,945	4,154	-2,516	62	-334,461	4,216
(219)	\$	(206,118)	\$	(1,328)	\$	(207,444)	(6,927)	-	(2,194)	-	-	(6,927)	(2,194)	-23,2756	0	-23,2756	-147,746	-58,730	-941	-368	-148,687	-58,757
(37)	\$	(27,741)	\$	35	\$	(27,708)	1,082	-	(2,194)	-	-	1,082	(2,194)	-23,2756	0	-23,2756	26,963	-54,704	398	-364	27,361	-55,067
78	\$	136,853	\$	1,193	\$	138,078	7,541	-	(2,050)	-	-	7,541	(2,050)	92,03294	0	-20,4246	187,989	-51,106	1,593	-340	189,522	-51,446
(59)	\$	(72,988)	\$	(314)	\$	(73,282)	(1,006)	-	(1,921)	-	-	(1,006)	(1,921)	43,1947	0	-13,1677	-30,194	-47,685	5	-319	-25,078	-48,204
-	\$	(109,722)	\$	(1,017)	\$	(110,739)	(4,090)	-	(1,515)	-	-	(4,090)	(1,515)	-45,7587	0	-45,7587	-101,944	-37,777	-762	-255	-102,707	-38,032
-	\$	(227,879)	\$	(1,430)	\$	(229,309)	(7,723)	-	(1,328)	-	-	(7,723)	(1,328)	-14,3393	0	-14,3393	-192,527	-35,352	-1,			

-	\$	(391,998)	\$	(2,992)	\$	(394,988)	(15,125)	-	(600)	-	(15,125)	(600)	-173.428	0	-6.19245	0	-173.428	-6.19245	-377,031	-14,965	-2,888	-103	-379,920	-15,068
-	\$	37,858	\$	407	\$	38,265	2,270	-	(751)	-	2,270	(751)	32.23634	0	-7.81877	0	32.23634	-7.81877	56,585	-18,727	537	-130	57,122	-18,857
-	\$	175,005	\$	1,406	\$	176,411	7,769	-	(748)	-	7,769	(748)	92.22972	0	-7.78886	0	92.22972	-7.78886	193,662	-18,657	1,536	-130	195,198	-18,787
-	\$	44,588	\$	484	\$	45,070	2,544	-	(755)	-	2,544	(755)	36.91584	0	-7.85544	0	36.91584	-7.85544	63,406	-18,820	615	-131	64,021	-18,950
-	\$	(302,240)	\$	(2,115)	\$	(304,355)	(11,380)	-	(784)	-	(11,380)	(784)	-119.012	0	-7.95712	0	-119.012	-7.95712	-283,184	-19,056	-1,982	-133	-285,166	-19,189
-	\$	(415,138)	\$	(3,222)	\$	(418,360)	(16,494)	-	(159)	-	(16,494)	(159)	-191.992	0	-1.46967	0	-191.992	-1.46967	-411,171	-3,967	-3,198	-24	-414,368	-3,992
-	\$	(341,794)	\$	(2,651)	\$	(344,475)	(18,002)	-	2,290	-	(16,002)	2,290	-185.742	0	24.77217	0	-185.742	24.77217	-398,886	57,091	-3,094	413	-401,979	57,504
-	\$	(4,190)	\$	8	\$	(4,188)	(153)	-	(15)	-	(153)	(15)	0.412923	0	0.084762	0	0.412923	0.084762	-3,816	-380	7	1	-3,809	-379
-	\$	564,446	\$	4,188	\$	568,632	23,491	-	(848)	-	23,491	(848)	260.1793	0	-8.81953	0	260.1793	-8.81953	585,577	-21,131	4,333	-147	589,911	-21,278
-	\$	89,237	\$	510	\$	89,747	3,650	-	(872)	-	3,650	(872)	39.68529	0	-9.0783	0	39.68529	-9.0783	90,986	-21,749	661	-151	91,647	-21,900
-	\$	(335,023)	\$	(2,770)	\$	(337,802)	(15,998)	-	2,559	-	(15,998)	2,559	-194.532	0	27.68951	0	-194.532	27.68951	-398,804	63,781	-3,240	461	-402,044	64,242
-	\$	465,106	\$	3,485	\$	468,591	19,582	-	(924)	-	19,582	(924)	218.8538	0	-9.60418	0	218.8538	-9.60418	488,131	-23,026	3,645	-160	491,776	-23,186
-	\$	401,504	\$	3,020	\$	404,524	17,055	-	(949)	-	17,055	(949)	191.2144	0	-9.85854	0	191.2144	-9.85854	425,152	-23,648	3,185	-164	428,336	-23,812

Billing				Customers					Wx MWH Impact		Wx Revenue Impact				
Read Date	Bill Date	Month	Cycle	RES_CUST	SVS_CUST	SVL_AMS_C	PVS_AMS_C	COM	RES_KWH	SVS_KWH		COM	RES_REV	SVS_REV	
30-Aug-17	31-Aug-17	Aug-17	8												
31-Aug-17	01-Sep-17	Sep-17	9												
01-Sep-17	05-Sep-17	Sep-17	10												
05-Sep-17	06-Sep-17	Sep-17	11												
06-Sep-17	07-Sep-17	Sep-17	12												
07-Sep-17	09-Sep-17	Sep-17	13												
08-Sep-17	11-Sep-17	Sep-17	14												
11-Sep-17	12-Sep-17	Sep-17	15												
12-Sep-17	13-Sep-17	Sep-17	16												
13-Sep-17	14-Sep-17	Sep-17	17												
14-Sep-17	15-Sep-17	Sep-17	18												
15-Sep-17	18-Sep-17	Sep-17	19												
18-Sep-17	19-Sep-17	Sep-17	20												
19-Sep-17	20-Sep-17	Sep-17	21												
20-Sep-17	21-Sep-17	Sep-17	1												
21-Sep-17	22-Sep-17	Sep-17	2												
22-Sep-17	25-Sep-17	Sep-17	3												
25-Sep-17	26-Sep-17	Sep-17	4												
26-Sep-17	27-Sep-17	Sep-17	5												
27-Sep-17	28-Sep-17	Sep-17	6												
28-Sep-17	29-Sep-17	Sep-17	7												
29-Sep-17	02-Oct-17	Oct-17	8	2,160,609	145,662	128,921	395	277,349	16,089	148		8,565	401,067	2,461	30
02-Oct-17	03-Oct-17	Oct-17	9	2,160,609	145,662	128,921	395	203,333	31,484	307		12,950	784,835	5,113	32
03-Oct-17	04-Oct-17	Oct-17	10	2,160,609	145,662	128,921	395	178,660	48,357	497		18,172	1,205,446	8,284	32
04-Oct-17	05-Oct-17	Oct-17	11	2,160,609	145,662	128,921	395	166,324	69,363	712		24,047	1,729,074	11,861	29
05-Oct-17	06-Oct-17	Oct-17	12	2,160,609	145,662	128,921	395	158,923	80,243	825		27,221	2,000,309	13,734	29
06-Oct-17	09-Oct-17	Oct-17	13	2,160,609	145,662	128,921	395	147,820	148,846	1,494		45,482	3,710,423	24,875	29
09-Oct-17	10-Oct-17	Oct-17	14	2,160,609	145,662	128,921	395	145,764	189,296	1,883		56,041	4,718,773	31,369	31
10-Oct-17	11-Oct-17	Oct-17	15	2,160,609	145,662	128,921	395	144,119	192,419	1,934		57,566	4,796,627	32,207	29
11-Oct-17	12-Oct-17	Oct-17	16	2,160,609	145,662	128,921	395	142,774	187,105	1,879		55,916	4,664,159	31,296	29
12-Oct-17	13-Oct-17	Oct-17	17	2,160,609	145,662	128,921	395	141,652	206,648	2,069		60,977	5,151,313	34,451	29
13-Oct-17	16-Oct-17	Oct-17	18	2,160,609	145,662	128,921	395	139,185	289,883	2,902		83,841	7,226,192	48,325	29
16-Oct-17	17-Oct-17	Oct-17	19	2,160,609	145,662	128,921	395	138,568	276,548	2,761		79,831	6,893,783	45,990	31
17-Oct-17	18-Oct-17	Oct-17	20	2,160,609	145,662	128,921	395	138,024	261,856	2,583		75,152	6,527,553	43,026	29
18-Oct-17	19-Oct-17	Oct-17	21	2,160,609	145,662	128,921	395	137,540	259,551	2,545		74,316	6,470,097	42,390	29
19-Oct-17	20-Oct-17	Oct-17	1	2,160,609	145,662	128,921	395	137,107	263,979	2,600		75,681	6,580,481	43,303	29
20-Oct-17	23-Oct-17	Oct-17	2	2,160,609	145,662	128,921	395	136,045	289,818	2,909		84,172	7,224,585	48,448	29
23-Oct-17	24-Oct-17	Oct-17	3	2,160,609	145,662	128,921	395	135,752	283,719	2,829		82,097	7,072,553	47,110	31
24-Oct-17	25-Oct-17	Oct-17	4	2,160,609	145,662	128,921	395	135,484	277,159	2,758		80,030	6,909,019	45,934	29
25-Oct-17	26-Oct-17	Oct-17	5	2,160,609	145,662	128,921	395	135,237	269,799	2,653		77,479	6,725,539	44,177	29
26-Oct-17	27-Oct-17	Oct-17	6	2,160,609	145,662	128,921	395	135,010	273,238	2,680		78,429	6,811,275	44,632	29
27-Oct-17	30-Oct-17	Oct-17	7	2,160,609	145,662	128,921	395	134,421	247,508	2,271		68,337	6,169,882	37,825	29
30-Oct-17	31-Oct-17	Oct-17	8	2,160,609	145,662	128,921	395	129,316	232,694	2,123		59,957	5,800,608	35,355	31
31-Oct-17	01-Nov-17	Nov-17	9	2,160,609	145,662	128,921	395	129,316	218,449	1,996		56,232	5,445,491	33,237	29
01-Nov-17	02-Nov-17	Nov-17	10	2,160,649	145,666	128,931	395	129,326	211,388	1,885		56,217	5,269,488	31,390	29
02-Nov-17	03-Nov-17	Nov-17	11	2,160,689	145,669	128,941	395	129,336	218,013	1,883		61,657	5,434,639	31,368	29
03-Nov-17	06-Nov-17	Nov-17	12	2,160,797	145,679	128,968	395	129,363	281,538	2,351		90,244	7,018,185	39,154	29
06-Nov-17	07-Nov-17	Nov-17	13	2,160,850	145,684	128,981	395	129,376	241,331	1,900		83,847	6,015,890	31,642	31
07-Nov-17	08-Nov-17	Nov-17	14	2,160,890	145,687	128,991	395	129,386	224,903	1,691		83,595	5,606,392	28,169	29
08-Nov-17	09-Nov-17	Nov-17	15	2,160,931	145,691	129,001	394	129,396	214,483	1,577		78,602	5,346,634	26,269	29
09-Nov-17	10-Nov-17	Nov-17	16	2,160,971	145,695	129,011	394	129,406	214,622	1,600		77,059	5,350,093	26,650	29
10-Nov-17	13-Nov-17	Nov-17	17	2,161,060	145,703	129,034	394	129,428	185,591	1,306		68,908	4,626,415	21,750	29
13-Nov-17	14-Nov-17	Nov-17	18	2,161,132	145,709	129,051	394	129,446	99,826	434		46,248	2,488,475	7,225	31
14-Nov-17	15-Nov-17	Nov-17	19	2,161,172	145,713	129,061	394	129,456	109,962	530		50,127	2,741,121	8,833	29
15-Nov-17	16-Nov-17	Nov-17	20	2,161,212	145,716	129,072	394	129,465	126,024	708		57,056	3,141,531	11,785	29

16-Nov-17	17-Nov-17	Nov-17	21	2,161,252	145,720	129,082	394	129,475	130,533	748	61,191	3,253,920	12,455	29
17-Nov-17	20-Nov-17	Nov-17	1	2,161,324	145,726	129,099	394	129,493	143,086	802	69,855	3,566,849	13,361	29
20-Nov-17	21-Nov-17	Nov-17	2	2,161,413	145,734	129,122	394	129,515	116,818	502	59,759	2,912,029	8,360	31
21-Nov-17	22-Nov-17	Nov-17	3	2,161,453	145,738	129,132	394	129,525	118,092	525	61,515	2,943,787	8,751	29
22-Nov-17	27-Nov-17	Nov-17	4	2,161,528	145,745	129,150	393	129,544	117,790	532	61,003	2,936,260	8,865	29
27-Nov-17	28-Nov-17	Nov-17	5	2,161,563	145,748	129,159	393	129,552	120,405	590	62,567	3,001,466	9,833	33
28-Nov-17	29-Nov-17	Nov-17	6	2,161,598	145,751	129,168	393	129,561	114,201	526	61,932	2,846,799	8,759	33
29-Nov-17	30-Nov-17	Nov-17	7	2,161,700	145,760	129,193	393	129,586	129,643	814	70,067	3,231,753	13,558	33
30-Nov-17	01-Dec-17	Dec-17	8	2,161,737	145,764	129,203	393	129,596	122,705	750	69,565	3,058,788	12,490	31
01-Dec-17	04-Dec-17	Dec-17	9	2,161,984	145,723	129,297	393	129,690	102,043	494	66,729	2,543,737	8,222	31
04-Dec-17	05-Dec-17	Dec-17	10	2,162,054	145,708	129,325	393	129,718	90,997	369	65,014	2,268,380	6,141	33
05-Dec-17	06-Dec-17	Dec-17	11	2,162,123	145,694	129,353	393	129,747	54,477	55	52,906	1,358,009	915	33
06-Dec-17	07-Dec-17	Dec-17	12	2,162,220	145,673	129,392	393	129,786	-4,954	-349	22,386	-123,490	-5,816	33
07-Dec-17	08-Dec-17	Dec-17	13	2,162,294	145,657	129,422	393	129,816	-11,754	-322	12,831	-292,992	-5,356	31
08-Dec-17	11-Dec-17	Dec-17	14	2,162,471	145,620	129,494	394	129,888	33,658	272	10,255	839,023	4,530	31
11-Dec-17	12-Dec-17	Dec-17	15	2,162,541	145,605	129,523	394	129,916	43,194	361	14,021	1,076,736	6,015	33
12-Dec-17	13-Dec-17	Dec-17	16	2,162,611	145,591	129,551	394	129,945	45,396	372	15,585	1,131,631	6,189	33
13-Dec-17	14-Dec-17	Dec-17	17	2,162,739	145,564	129,603	394	129,997	66,667	617	19,369	1,661,867	10,274	33
14-Dec-17	15-Dec-17	Dec-17	18	2,162,813	145,548	129,633	394	130,027	66,591	637	17,591	1,659,984	10,604	31
15-Dec-17	18-Dec-17	Dec-17	19	2,162,959	145,517	129,692	394	130,086	67,281	697	13,664	1,677,185	11,603	31
18-Dec-17	19-Dec-17	Dec-17	20	2,163,028	145,502	129,720	394	130,114	53,120	552	8,724	1,324,165	9,190	33
19-Dec-17	20-Dec-17	Dec-17	21	2,163,098	145,488	129,749	394	130,143	49,495	501	9,042	1,233,812	8,347	33
20-Dec-17	21-Dec-17	Dec-17	1	2,163,230	145,460	129,802	394	130,197	32,514	392	-988	810,499	6,527	32
21-Dec-17	26-Dec-17	Dec-17	2	2,163,307	145,444	129,833	394	130,228	25,038	278	739	624,154	4,629	30
26-Dec-17	27-Dec-17	Dec-17	3	2,163,465	145,410	129,897	394	130,292	56,819	604	9,642	1,416,378	10,055	30
27-Dec-17	28-Dec-17	Dec-17	4	2,163,767	145,347	130,020	395	130,414	65,108	698	11,359	1,623,000	11,622	34
28-Dec-17	29-Dec-17	Dec-17	5	2,163,843	145,331	130,051	395	130,446	89,220	965	14,420	2,224,072	16,064	30
29-Dec-17	01-Jan-18	Jan-18	6	2,163,920	145,314	130,082	395	130,477	113,970	1,248	16,657	2,841,048	20,790	30
01-Jan-18	03-Jan-18	Jan-18	7	2,164,001	145,297	130,115	395	130,510	123,169	1,394	15,809	3,070,368	23,212	30
02-Jan-18	04-Jan-18	Jan-18	8	2,164,216	145,174	130,276	395	130,672	213,625	2,365	28,646	5,325,240	39,392	33
03-Jan-18	05-Jan-18	Jan-18	9	2,164,302	145,110	130,356	395	130,751	273,402	3,020	36,791	6,815,362	50,298	33
04-Jan-18	08-Jan-18	Jan-18	10	2,164,378	145,052	130,426	395	130,821	296,628	3,305	36,311	7,394,347	55,049	31
05-Jan-18	09-Jan-18	Jan-18	11	2,164,574	144,904	130,608	395	131,003	303,574	3,391	35,614	7,567,488	56,475	31
08-Jan-18	10-Jan-18	Jan-18	12	2,164,646	144,850	130,674	395	131,069	272,437	3,038	31,437	6,791,313	50,594	33
09-Jan-18	11-Jan-18	Jan-18	13	2,164,717	144,796	130,740	395	131,135	247,874	2,771	28,192	6,178,997	46,151	33
10-Jan-18	12-Jan-18	Jan-18	14	2,164,835	144,707	130,849	395	131,244	164,219	1,840	18,143	4,093,639	30,652	33
11-Jan-18	13-Jan-18	Jan-18	15	2,164,911	144,650	130,920	395	131,315	150,408	1,680	16,041	3,749,368	27,983	31
12-Jan-18	15-Jan-18	Jan-18	16	2,165,075	144,526	131,071	395	131,467	222,115	2,447	27,694	5,536,883	40,755	31
15-Jan-18	16-Jan-18	Jan-18	17	2,165,147	144,472	131,138	395	131,533	209,920	2,302	26,624	5,232,884	38,332	33
16-Jan-18	17-Jan-18	Jan-18	18	2,165,219	144,418	131,204	395	131,599	257,656	2,801	35,173	6,422,853	46,654	33
17-Jan-18	18-Jan-18	Jan-18	19	2,165,369	144,305	131,343	396	131,738	317,438	3,392	48,187	7,913,099	56,495	33
18-Jan-18	19-Jan-18	Jan-18	20	2,165,445	144,247	131,413	396	131,809	375,841	4,024	57,914	9,368,959	67,012	31
19-Jan-18	22-Jan-18	Jan-18	21	2,165,577	144,148	131,535	396	131,931	362,206	3,887	53,678	9,029,079	64,733	31
22-Jan-18	23-Jan-18	Jan-18	1	2,165,602	144,129	131,558	396	131,954	350,064	3,747	51,830	8,726,386	62,402	34
23-Jan-18	24-Jan-18	Jan-18	2	2,165,672	144,077	131,623	396	132,018	359,284	3,869	51,490	8,956,237	64,438	34
24-Jan-18	25-Jan-18	Jan-18	3	2,165,963	143,856	131,893	396	132,289	336,633	3,649	43,155	8,391,578	60,782	34
25-Jan-18	26-Jan-18	Jan-18	4	2,166,042	143,797	131,966	396	132,362	344,151	3,722	44,979	8,579,002	61,982	30
26-Jan-18	29-Jan-18	Jan-18	5	2,166,141	143,723	132,057	396	132,453	285,791	3,065	35,791	7,124,190	51,047	30
29-Jan-18	30-Jan-18	Jan-18	6	2,166,214	143,667	132,125	396	132,521	259,908	2,779	32,157	6,478,986	46,290	32
30-Jan-18	31-Jan-18	Jan-18	7	2,166,436	143,500	132,330	396	132,726	266,418	2,821	35,282	6,641,266	46,985	32
31-Jan-18	01-Feb-18	Feb-18	8	2,166,436	143,500	132,330	396	132,726	181,315	1,906	22,888	4,519,823	31,742	29
01-Feb-18	02-Feb-18	Feb-18	9	2,166,506	143,510	132,340	396	132,736	133,293	1,373	17,935	3,322,734	22,868	29
02-Feb-18	05-Feb-18	Feb-18	10	2,166,698	143,536	132,368	396	132,764	85,141	869	9,304	2,122,402	14,481	29
05-Feb-18	06-Feb-18	Feb-18	11	2,166,786	143,548	132,381	396	132,777	75,174	767	8,239	1,873,926	12,772	31
06-Feb-18	07-Feb-18	Feb-18	12	2,166,856	143,558	132,391	396	132,787	80,136	809	11,075	1,997,624	13,473	29
07-Feb-18	08-Feb-18	Feb-18	13	2,166,926	143,567	132,401	396	132,797	95,015	968	13,303	2,368,539	16,116	29
08-Feb-18	09-Feb-18	Feb-18	14	2,166,996	143,577	132,411	396	132,807	114,462	1,192	15,799	2,853,298	19,852	29
09-Feb-18	12-Feb-18	Feb-18	15	2,167,156	143,599	132,434	396	132,830	124,898	1,305	17,518	3,113,468	21,732	29
12-Feb-18	13-Feb-18	Feb-18	16	2,167,276	143,615	132,451	396	132,847	82,040	845	10,983	2,045,082	14,075	31

13-Feb-18	14-Feb-18	Feb-18	17	2,167,346	143,625	132,461	396	132,857	88,793	932
14-Feb-18	15-Feb-18	Feb-18	18	2,167,416	143,634	132,471	396	132,867	40,080	393
15-Feb-18	16-Feb-18	Feb-18	19	2,167,485	143,644	132,482	396	132,878	-17,121	-247
16-Feb-18	17-Feb-18	Feb-18	20	2,167,614	143,661	132,500	396	132,896	-72,825	-914
19-Feb-18	20-Feb-18	Feb-18	21	2,167,765	143,682	132,522	396	132,918	-56,382	-743
20-Feb-18	21-Feb-18	Feb-18	1	2,167,835	143,692	132,532	396	132,928	-39,679	-589
21-Feb-18	22-Feb-18	Feb-18	2	2,167,905	143,701	132,542	396	132,938	-47,312	-680
22-Feb-18	23-Feb-18	Feb-18	3	2,167,975	143,711	132,552	396	132,948	-57,686	-794
23-Feb-18	24-Feb-18	Feb-18	4	2,168,072	143,724	132,566	396	132,962	-67,414	-964
26-Feb-18	27-Feb-18	Feb-18	5	2,168,255	143,749	132,593	396	132,989	-37,270	-621
27-Feb-18	28-Feb-18	Feb-18	6	2,168,325	143,759	132,603	396	132,999	-33,840	-610
28-Feb-18	01-Mar-18	Mar-18	7	2,168,395	143,768	132,613	396	133,009	-29,193	-614
01-Mar-18	02-Mar-18	Mar-18	8	2,168,577	143,817	132,615	396	133,011	-29,002	-632
02-Mar-18	05-Mar-18	Mar-18	9	2,168,884	143,925	132,593	397	132,990	-37,808	-730
05-Mar-18	06-Mar-18	Mar-18	10	2,169,025	143,974	132,583	397	132,980	-7,188	-451
06-Mar-18	07-Mar-18	Mar-18	11	2,169,137	144,013	132,575	397	132,973	-2,492	-411
07-Mar-18	08-Mar-18	Mar-18	12	2,169,249	144,052	132,567	398	132,965	4,066	-311
08-Mar-18	09-Mar-18	Mar-18	13	2,169,362	144,092	132,559	398	132,957	-9,975	-457
09-Mar-18	12-Mar-18	Mar-18	14	2,169,618	144,181	132,541	398	132,940	-7,887	-497
12-Mar-18	13-Mar-18	Mar-18	15	2,169,810	144,248	132,527	399	132,926	-9,575	-490
13-Mar-18	14-Mar-18	Mar-18	16	2,169,922	144,288	132,519	399	132,919	-34,921	-758
14-Mar-18	15-Mar-18	Mar-18	17	2,170,034	144,327	132,511	399	132,911	-41,966	-835
15-Mar-18	16-Mar-18	Mar-18	18	2,170,146	144,366	132,504	400	132,903	-39,991	-789
16-Mar-18	19-Mar-18	Mar-18	19	2,170,352	144,438	132,489	400	132,889	-11,447	-544
19-Mar-18	20-Mar-18	Mar-18	20	2,170,594	144,523	132,472	401	132,872	-12,791	-257
20-Mar-18	21-Mar-18	Mar-18	21	2,170,706	144,562	132,464	401	132,865	6,363	-285
21-Mar-18	22-Mar-18	Mar-18	1	2,170,818	144,601	132,456	401	132,857	2,519	-281
22-Mar-18	23-Mar-18	Mar-18	2	2,170,931	144,641	132,448	401	132,849	7,667	-211
23-Mar-18	26-Mar-18	Mar-18	3	2,171,086	144,695	132,437	402	132,838	31,872	-10
26-Mar-18	27-Mar-18	Mar-18	4	2,171,379	144,797	132,416	402	132,818	42,259	136
27-Mar-18	28-Mar-18	Mar-18	5	2,171,491	144,837	132,408	403	132,810	58,829	293
28-Mar-18	29-Mar-18	Mar-18	6	2,171,603	144,876	132,400	403	132,803	61,454	336
29-Mar-18	30-Mar-18	Mar-18	7	2,171,715	144,915	132,392	403	132,795	51,640	269
02-Apr-18	03-Apr-18	Apr-18	8	2,171,956	144,976	132,376	403	132,779	60,755	358
03-Apr-18	04-Apr-18	Apr-18	9	2,172,101	145,013	132,367	403	132,770	91,710	675
04-Apr-18	05-Apr-18	Apr-18	10	2,172,229	145,046	132,359	403	132,762	80,106	598
05-Apr-18	06-Apr-18	Apr-18	11	2,172,358	145,079	132,351	403	132,754	81,619	630
06-Apr-18	09-Apr-18	Apr-18	12	2,172,680	145,161	132,330	403	132,733	96,891	829
09-Apr-18	10-Apr-18	Apr-18	13	2,172,800	145,191	132,322	403	132,725	89,849	767
10-Apr-18	11-Apr-18	Apr-18	14	2,173,001	145,243	132,309	403	132,712	79,284	715
11-Apr-18	12-Apr-18	Apr-18	15	2,173,130	145,275	132,301	403	132,704	81,659	735
12-Apr-18	13-Apr-18	Apr-18	16	2,173,258	145,308	132,292	403	132,695	84,835	748
13-Apr-18	16-Apr-18	Apr-18	17	2,173,523	145,376	132,275	403	132,678	86,289	782
16-Apr-18	17-Apr-18	Apr-18	18	2,173,644	145,407	132,268	403	132,671	89,047	821
17-Apr-18	18-Apr-18	Apr-18	19	2,173,901	145,472	132,251	403	132,654	63,420	632
18-Apr-18	19-Apr-18	Apr-18	20	2,174,030	145,505	132,243	403	132,646	53,926	564
19-Apr-18	20-Apr-18	Apr-18	21	2,174,158	145,538	132,234	403	132,637	53,074	552
20-Apr-18	23-Apr-18	Apr-18	1	2,174,367	145,591	132,221	403	132,624	18,804	248
23-Apr-18	24-Apr-18	Apr-18	2	2,174,488	145,622	132,213	403	132,616	16,758	234
24-Apr-18	25-Apr-18	Apr-18	3	2,174,801	145,701	132,193	403	132,596	3,694	136
25-Apr-18	26-Apr-18	Apr-18	4	2,174,930	145,734	132,185	403	132,588	-1,879	83
26-Apr-18	27-Apr-18	Apr-18	5	2,175,059	145,767	132,176	403	132,579	-20,532	-71
27-Apr-18	30-Apr-18	Apr-18	6	2,175,211	145,806	132,166	403	132,569	-37,096	-201
30-Apr-18	01-May-18	May-18	7	2,175,332	145,837	132,159	403	132,562	-44,146	-251
01-May-18	02-May-18	May-18	8	2,175,600	145,917	132,143	403	132,546	-56,876	-341
02-May-18	03-May-18	May-18	9	2,175,627	145,937	132,142	403	132,545	-55,851	-292
03-May-18	04-May-18	May-18	10	2,175,654	145,956	132,142	403	132,545	-38,374	-114
04-May-18	07-May-18	May-18	11	2,175,725	146,006	132,140	404	132,544	-35,906	-102
07-May-18	08-May-18	May-18	12	2,175,762	146,033	132,140	404	132,543	-31,346	-129

11,614	2,213,421	15,527	29
6,765	999,105	6,550	29
2,202	-426,795	-4,120	29
1,510	-1,815,384	-15,222	29
6,760	-1,405,490	-12,379	31
14,570	-989,119	-9,804	29
14,819	-1,179,400	-11,326	29
13,745	-1,437,991	-13,217	29
20,854	-1,680,489	-16,063	29
25,853	-929,077	-10,335	31
29,593	-843,573	-10,164	29
36,929	-727,729	-10,227	29
39,785	-722,964	-10,520	29
38,386	-942,486	-12,166	29
48,907	-179,173	-7,505	31
49,919	-62,121	-6,848	29
47,718	101,367	-5,183	29
44,482	-248,656	-7,604	29
51,791	-196,598	-8,284	29
49,655	-238,698	-8,157	31
44,899	-870,508	-12,620	29
43,170	-1,046,132	-13,912	29
40,468	-996,897	-13,146	29
53,188	-285,350	-9,056	29
53,953	318,864	-4,283	31
46,984	158,611	-4,740	29
40,314	62,802	-4,688	29
39,376	191,135	-3,514	29
50,621	794,496	-169	29
47,805	1,053,429	2,260	31
54,686	1,466,500	4,879	29
54,215	1,531,926	5,594	29
46,980	1,287,274	4,484	29
49,113	1,514,510	5,963	32
56,110	2,286,150	11,235	32
47,741	1,996,894	9,965	30
46,911	2,034,609	10,495	30
47,588	2,415,302	13,805	30
44,225	2,239,767	12,782	32
34,984	1,976,388	11,916	32
36,093	2,035,597	12,241	30
39,132	2,114,763	12,453	30
37,276	2,151,019	13,018	30
36,486	2,219,769	13,680	32
20,519	1,580,928	10,526	32
15,973	1,344,271	9,401	30
16,002	1,323,036	9,191	30
931	468,754	4,139	30
-231	417,735	3,897	32
-9,322	92,093	2,258	32
-13,453	-46,845	1,376	30
-23,414	-511,824	-1,180	30
-33,015	-924,728	-3,353	30
-36,244	-1,100,471	-4,183	32
-41,950	-1,417,796	-5,684	29
-43,911	-1,392,252	-4,863	29
-37,069	-956,597	-1,902	29
-35,943	-895,077	-1,696	29
-30,745	-781,392	-2,150	31

08-May-18	09-May-18	May-18	13	2,175,790	146,052	132,139	404	132,543	-7,974	67	-22,075	-198,786	1,117	29
09-May-18	10-May-18	May-18	14	2,175,817	146,072	132,139	404	132,543	3,650	161	-18,578	90,985	2,676	29
10-May-18	11-May-18	May-18	15	2,175,844	146,091	132,138	404	132,542	11,758	222	-15,801	293,108	3,690	29
11-May-18	14-May-18	May-18	16	2,175,902	146,133	132,137	404	132,541	60,166	698	-3,448	1,499,818	11,624	29
14-May-18	15-May-18	May-18	17	2,175,952	146,168	132,136	404	132,541	75,689	813	4,146	1,886,768	13,535	31
15-May-18	16-May-18	May-18	18	2,175,979	146,188	132,136	405	132,540	93,280	956	10,125	2,325,281	15,915	29
16-May-18	17-May-18	May-18	19	2,176,006	146,207	132,135	405	132,540	115,444	1,163	15,275	2,877,799	19,366	29
17-May-18	18-May-18	May-18	20	2,176,033	146,226	132,135	405	132,540	143,049	1,418	20,758	3,565,916	23,612	29
18-May-18	21-May-18	May-18	21	2,176,079	146,259	132,134	405	132,539	192,604	1,885	34,456	4,801,245	31,387	29
21-May-18	22-May-18	May-18	1	2,176,141	146,304	132,133	405	132,538	211,741	2,026	46,338	5,278,271	33,751	31
22-May-18	23-May-18	May-18	2	2,176,169	146,323	132,132	405	132,538	208,863	1,986	46,803	5,206,535	33,079	29
23-May-18	24-May-18	May-18	3	2,176,196	146,342	132,132	405	132,537	192,049	1,840	42,631	4,787,394	30,650	29
24-May-18	25-May-18	May-18	4	2,176,223	146,361	132,131	405	132,537	191,090	1,842	42,281	4,763,490	30,677	29
25-May-18	28-May-18	May-18	5	2,176,257	146,386	132,131	406	132,536	224,198	2,118	52,483	5,588,813	35,273	29
29-May-18	30-May-18	May-18	6	2,176,332	146,439	132,129	406	132,535	281,134	2,618	70,339	7,008,120	43,605	32
30-May-18	31-May-18	May-18	7	2,176,358	146,458	132,129	406	132,535	301,659	2,795	76,495	7,519,760	46,548	30
31-May-18	01-Jun-18	Jun-18	8	2,176,358	146,458	132,129	406	132,535	323,423	2,986	81,538	8,062,291	49,734	30
01-Jun-18	04-Jun-18	Jun-18	9	2,176,610	146,522	132,169	406	132,575	367,438	3,353	91,254	9,159,484	55,840	30
04-Jun-18	05-Jun-18	Jun-18	10	2,176,694	146,544	132,182	406	132,588	365,687	3,309	89,887	9,115,845	55,116	32
05-Jun-18	06-Jun-18	Jun-18	11	2,176,806	146,572	132,200	406	132,605	387,889	3,511	95,674	9,669,305	58,476	32
06-Jun-18	07-Jun-18	Jun-18	12	2,176,896	146,595	132,214	406	132,619	383,109	3,469	94,648	9,550,150	57,777	30
07-Jun-18	08-Jun-18	Jun-18	13	2,176,986	146,618	132,228	406	132,633	378,974	3,430	93,669	9,447,052	57,134	30
08-Jun-18	11-Jun-18	Jun-18	14	2,177,199	146,672	132,262	405	132,667	391,022	3,539	96,751	9,747,396	58,949	30
11-Jun-18	12-Jun-18	Jun-18	15	2,177,283	146,693	132,275	405	132,680	397,194	3,600	98,509	9,901,264	59,964	32
12-Jun-18	13-Jun-18	Jun-18	16	2,177,434	146,732	132,299	405	132,704	359,776	3,227	87,974	8,968,491	53,740	32
13-Jun-18	14-Jun-18	Jun-18	17	2,177,524	146,755	132,313	405	132,718	353,814	3,161	86,083	8,819,872	52,651	30
14-Jun-18	15-Jun-18	Jun-18	18	2,177,613	146,778	132,327	405	132,732	324,718	2,901	79,047	8,094,568	48,320	30
15-Jun-18	18-Jun-18	Jun-18	19	2,177,787	146,822	132,354	405	132,759	284,751	2,540	69,206	7,098,284	42,301	30
18-Jun-18	19-Jun-18	Jun-18	20	2,177,871	146,843	132,368	405	132,772	219,986	1,951	53,194	5,483,808	32,494	32
19-Jun-18	20-Jun-18	Jun-18	21	2,178,062	146,892	132,398	405	132,802	143,775	1,244	33,853	3,584,031	20,718	32
20-Jun-18	21-Jun-18	Jun-18	1	2,178,151	146,915	132,412	405	132,816	135,270	1,178	32,097	3,372,004	19,619	30
21-Jun-18	22-Jun-18	Jun-18	2	2,178,241	146,938	132,426	405	132,830	124,000	1,084	29,573	3,091,066	18,049	30
22-Jun-18	25-Jun-18	Jun-18	3	2,178,376	146,972	132,447	405	132,852	151,524	1,325	36,015	3,777,181	22,064	30
25-Jun-18	26-Jun-18	Jun-18	4	2,178,460	146,993	132,460	404	132,865	149,719	1,315	35,680	3,732,191	21,901	32
26-Jun-18	27-Jun-18	Jun-18	5	2,178,689	147,052	132,496	404	132,901	131,424	1,162	31,574	3,276,137	19,352	32
27-Jun-18	28-Jun-18	Jun-18	6	2,178,862	147,096	132,524	404	132,928	94,108	823	22,356	2,345,933	13,714	29
28-Jun-18	29-Jun-18	Jun-18	7	2,178,955	147,119	132,538	404	132,942	85,026	744	20,186	2,119,518	12,394	29
29-Jun-18	02-Jul-18	Jul-18	8	2,179,174	147,155	132,559	404	132,963	97,129	846	22,903	2,421,244	14,093	29
02-Jul-18	03-Jul-18	Jul-18	9	2,179,317	147,170	132,565	404	132,969	50,345	425	11,504	1,255,007	7,079	31
03-Jul-18	04-Jul-18	Jul-18	10	2,179,451	147,183	132,571	404	132,975	49,705	417	11,274	1,239,054	6,944	29
04-Jul-18	06-Jul-18	Jul-18	11	2,179,698	147,207	132,582	405	132,986	-21,336	-250	-6,701	-531,876	-4,168	30
06-Jul-18	09-Jul-18	Jul-18	12	2,180,023	147,239	132,596	405	133,001	-76,111	-755	-20,309	-1,897,299	-12,580	30
09-Jul-18	10-Jul-18	Jul-18	13	2,180,144	147,251	132,602	405	133,007	-106,444	-1,025	-27,566	-2,653,433	-17,064	32
10-Jul-18	11-Jul-18	Jul-18	14	2,180,347	147,271	132,611	405	133,016	-127,596	-1,215	-32,724	-3,180,721	-20,243	32
11-Jul-18	12-Jul-18	Jul-18	15	2,180,477	147,284	132,616	405	133,022	-134,637	-1,285	-34,598	-3,356,232	-21,398	30
12-Jul-18	13-Jul-18	Jul-18	16	2,180,607	147,297	132,622	405	133,027	-146,268	-1,388	-37,378	-3,646,158	-23,114	30
13-Jul-18	16-Jul-18	Jul-18	17	2,180,875	147,323	132,634	405	133,040	-132,687	-1,266	-34,091	-3,307,618	-21,078	30
16-Jul-18	17-Jul-18	Jul-18	18	2,180,997	147,336	132,640	406	133,045	-109,712	-1,068	-28,762	-2,734,895	-17,783	32
17-Jul-18	18-Jul-18	Jul-18	19	2,181,257	147,361	132,651	406	133,057	-82,719	-832	-22,423	-2,062,012	-13,863	32
18-Jul-18	19-Jul-18	Jul-18	20	2,181,387	147,374	132,657	406	133,063	-34,724	-401	-10,807	-865,598	-6,683	30
19-Jul-18	20-Jul-18	Jul-18	21	2,181,517	147,387	132,663	406	133,068	16,826	60	1,620	419,446	998	30
20-Jul-18	23-Jul-18	Jul-18	1	2,181,728	147,408	132,672	406	133,078	106,571	851	22,917	2,656,591	14,169	30
23-Jul-18	24-Jul-18	Jul-18	2	2,181,850	147,420	132,677	406	133,084	151,610	1,244	33,497	3,779,336	20,711	32
24-Jul-18	25-Jul-18	Jul-18	3	2,182,166	147,451	132,691	406	133,098	149,106	1,227	33,046	3,716,905	20,435	32
25-Jul-18	26-Jul-18	Jul-18	4	2,182,296	147,464	132,697	407	133,104	159,402	1,306	35,186	3,973,579	21,759	30
26-Jul-18	27-Jul-18	Jul-18	5	2,182,426	147,477	132,703	407	133,110	171,311	1,404	37,824	4,270,442	23,392	30
27-Jul-18	30-Jul-18	Jul-18	6	2,182,581	147,492	132,710	407	133,117	208,200	1,719	46,283	5,190,005	28,626	30
30-Jul-18	31-Jul-18	Jul-18	7	2,182,702	147,504	132,715	407	133,122	214,435	1,771	47,678	5,345,438	29,491	32
31-Jul-18	01-Aug-18	Aug-18	8	2,182,946	147,528	132,726	407	133,133	158,935	1,279	34,421	3,961,920	21,294	32

01-Aug-18	02-Aug-18	Aug-18	9	2,183,070	147,564	132,730	407	133,137	137,096	1,072	28,884	3,417,523	17,858	30
02-Aug-18	03-Aug-18	Aug-18	10	2,183,194	147,601	132,733	407	133,140	122,657	939	25,304	3,057,585	15,636	30
03-Aug-18	04-Aug-18	Aug-18	11	2,183,545	147,704	132,743	407	133,150	129,501	1,018	27,522	3,228,194	16,963	29
06-Aug-18	07-Aug-18	Aug-18	12	2,183,714	147,754	132,748	407	133,155	159,706	1,306	35,291	3,981,156	21,756	31
07-Aug-18	08-Aug-18	Aug-18	13	2,183,842	147,791	132,752	407	133,159	165,429	1,358	36,714	4,123,811	22,622	29
08-Aug-18	09-Aug-18	Aug-18	14	2,183,971	147,829	132,756	407	133,163	148,051	1,215	32,874	3,690,608	20,230	29
09-Aug-18	10-Aug-18	Aug-18	15	2,184,099	147,866	132,759	407	133,166	128,425	1,042	28,248	3,201,377	17,355	29
10-Aug-18	13-Aug-18	Aug-18	16	2,184,384	147,950	132,767	407	133,174	69,847	517	14,195	1,741,135	8,608	29
13-Aug-18	14-Aug-18	Aug-18	17	2,184,611	148,017	132,774	407	133,181	43,768	288	8,045	1,091,038	4,802	31
14-Aug-18	15-Aug-18	Aug-18	18	2,184,739	148,054	132,778	407	133,185	28,575	153	4,417	712,309	2,555	29
15-Aug-18	16-Aug-18	Aug-18	19	2,184,867	148,092	132,781	407	133,188	15,183	39	1,345	378,488	653	29
16-Aug-18	17-Aug-18	Aug-18	20	2,184,995	148,129	132,785	407	133,192	4,289	-55	-1,193	106,911	-912	29
17-Aug-18	20-Aug-18	Aug-18	21	2,185,222	148,196	132,792	407	133,199	16,655	59	1,816	415,186	982	29
20-Aug-18	21-Aug-18	Aug-18	1	2,185,507	148,280	132,800	407	133,207	-40,665	-435	-11,508	-1,013,693	-7,251	31
21-Aug-18	22-Aug-18	Aug-18	2	2,185,635	148,317	132,803	407	133,210	-49,513	-508	-13,503	-1,234,262	-8,466	29
22-Aug-18	23-Aug-18	Aug-18	3	2,185,764	148,355	132,807	407	133,214	-38,913	-415	-11,035	-970,022	-6,916	29
23-Aug-18	24-Aug-18	Aug-18	4	2,185,892	148,392	132,811	407	133,218	-37,611	-395	-10,507	-937,564	-6,576	29
24-Aug-18	27-Aug-18	Aug-18	5	2,186,061	148,442	132,816	407	133,223	-24,600	-272	-7,257	-613,226	-4,537	29
27-Aug-18	28-Aug-18	Aug-18	6	2,186,404	148,543	132,826	407	133,233	-60,338	-573	-15,364	-1,504,114	-9,547	31
28-Aug-18	29-Aug-18	Aug-18	7	2,186,532	148,580	132,829	407	133,236	-67,473	-630	-16,906	-1,681,970	-10,498	29
29-Aug-18	30-Aug-18	Aug-18	8	2,186,660	148,618	132,833	407	133,240	-62,420	-584	-15,627	-1,556,013	-9,728	29
30-Aug-18	31-Aug-18	Aug-18	9	2,186,660	148,618	132,833	407	133,240	-55,699	-518	-13,860	-1,388,461	-8,629	29
31-Aug-18	03-Sep-18	Sep-18	10	2,186,760	148,673	132,808	407	133,215	-66,899	-609	-16,255	-1,667,655	-10,143	29
04-Sep-18	05-Sep-18	Sep-18	11	2,186,867	148,732	132,781	407	133,188	-60,958	-553	-14,696	-1,519,567	-9,216	32
05-Sep-18	06-Sep-18	Sep-18	12	2,186,919	148,761	132,768	407	133,175	-41,913	-383	-10,151	-1,044,814	-6,378	30
06-Sep-18	07-Sep-18	Sep-18	13	2,186,970	148,790	132,755	407	133,162	-24,832	-227	-5,997	-619,014	-3,787	30
07-Sep-18	10-Sep-18	Sep-18	14	2,187,096	148,859	132,724	407	133,131	-14,782	-148	-3,829	-368,483	-2,457	30
10-Sep-18	11-Sep-18	Sep-18	15	2,187,145	148,886	132,712	407	133,118	-28,390	-285	-7,447	-707,712	-4,752	32
11-Sep-18	12-Sep-18	Sep-18	16	2,187,229	148,933	132,691	407	133,097	1,370	-37	-729	34,149	-612	32
12-Sep-18	13-Sep-18	Sep-18	17	2,187,280	148,961	132,678	407	133,084	-6,743	-110	-2,647	-168,077	-1,829	30
13-Sep-18	14-Sep-18	Sep-18	18	2,187,332	148,990	132,665	407	133,071	-13,545	-163	-4,020	-337,650	-2,706	30
14-Sep-18	17-Sep-18	Sep-18	19	2,187,436	149,047	132,639	407	133,046	-11,320	-162	-3,821	-282,190	-2,692	30
17-Sep-18	18-Sep-18	Sep-18	20	2,187,484	149,074	132,627	406	133,033	7,257	4	533	180,915	61	32
18-Sep-18	19-Sep-18	Sep-18	21	2,187,591	149,133	132,600	406	133,007	9,152	32	1,263	228,145	537	32
19-Sep-18	20-Sep-18	Sep-18	1	2,187,642	149,161	132,587	406	132,994	23,173	167	4,863	577,654	2,786	30
20-Sep-18	21-Sep-18	Sep-18	2	2,187,694	149,190	132,574	406	132,981	16,093	121	3,634	401,172	2,009	30
21-Sep-18	24-Sep-18	Sep-18	3	2,187,775	149,235	132,554	406	132,960	-12,219	-102	-2,145	-304,591	-1,696	30
24-Sep-18	25-Sep-18	Sep-18	4	2,187,823	149,262	132,542	406	132,948	-20,648	-179	-4,155	-514,705	-2,973	32
25-Sep-18	26-Sep-18	Sep-18	5	2,187,953	149,333	132,510	406	132,916	-38,623	-321	-7,908	-962,805	-5,352	32
26-Sep-18	27-Sep-18	Sep-18	6	2,188,004	149,362	132,497	406	132,903	-41,817	-337	-8,229	-1,042,417	-5,611	30
27-Sep-18	28-Sep-18	Sep-18	7	2,188,056	149,390	132,484	406	132,890	-62,660	-542	-13,591	-1,561,986	-9,026	30
28-Sep-18	01-Oct-18	Oct-18	8	2,188,114	149,422	132,469	406	132,875	-67,735	-589	-14,484	-1,688,502	-9,808	30
01-Oct-18	02-Oct-18	Oct-18	9	2,188,294	149,464	132,454	406	132,860	-68,916	-583	-14,156	-1,717,937	-9,709	32
02-Oct-18	03-Oct-18	Oct-18	10	2,188,492	149,508	132,438	406	132,845	-39,329	-302	-6,542	-980,385	-5,027	32
03-Oct-18	04-Oct-18	Oct-18	11	2,188,647	149,525	132,435	406	132,841	21,774	284	9,163	542,786	4,729	29
04-Oct-18	05-Oct-18	Oct-18	12	2,188,792	149,541	132,431	406	132,838	41,614	485	14,661	1,037,350	8,076	29
05-Oct-18	08-Oct-18	Oct-18	13	2,189,162	149,583	132,423	407	132,829	122,125	1,306	36,977	3,044,323	21,752	29
08-Oct-18	09-Oct-18	Oct-18	14	2,189,373	149,607	132,418	407	132,825	150,527	1,599	44,944	3,752,346	26,637	31
09-Oct-18	10-Oct-18	Oct-18	15	2,189,518	149,623	132,414	407	132,821	201,625	2,108	58,631	5,026,115	35,107	29
10-Oct-18	11-Oct-18	Oct-18	16	2,189,663	149,639	132,411	407	132,818	234,872	2,438	67,575	5,854,878	40,597	29
11-Oct-18	12-Oct-18	Oct-18	17	2,189,809	149,656	132,407	407	132,815	236,973	2,447	67,603	5,907,265	40,748	29
12-Oct-18	15-Oct-18	Oct-18	18	2,190,113	149,690	132,400	407	132,808	306,029	3,142	86,339	7,628,701	52,330	29
15-Oct-18	16-Oct-18	Oct-18	19	2,190,390	149,721	132,394	408	132,801	290,990	2,977	81,891	7,253,806	49,587	31
16-Oct-18	17-Oct-18	Oct-18	20	2,190,535	149,738	132,390	408	132,798	242,454	2,447	67,891	6,043,888	40,758	29
17-Oct-18	18-Oct-18	Oct-18	21	2,190,680	149,754	132,387	408	132,795	184,683	1,835	51,387	4,603,777	30,555	29
18-Oct-18	19-Oct-18	Oct-18	1	2,190,825	149,770	132,384	408	132,791	143,070	1,405	39,869	3,566,443	23,394	29
19-Oct-18	22-Oct-18	Oct-18	2	2,191,064	149,797	132,378	408	132,786	97,291	927	26,073	2,425,280	15,443	29
22-Oct-18	23-Oct-18	Oct-18	3	2,191,406	149,836	132,370	408	132,778	82,421	695	19,601	2,054,594	11,580	31
23-Oct-18	24-Oct-18	Oct-18	4	2,191,552	149,852	132,366	408	132,775	59,003	412	11,961	1,470,837	6,869	29

24-Oct-18	25-Oct-18	Oct-18	5	2,191,697	149,868	132,363	408	132,772	31,058	112	3,067	774,207	1,859	29
25-Oct-18	26-Oct-18	Oct-18	6	2,191,842	149,885	132,360	409	132,768	11,550	-114	-3,785	287,931	-1,900	29
26-Oct-18	28-Oct-18	Oct-18	7	2,192,015	149,904	132,356	409	132,764	27,232	20	-272	678,845	337	29
29-Oct-18	30-Oct-18	Oct-18	8	2,192,423	149,950	132,346	409	132,755	65,467	391	9,128	1,631,963	6,519	31
30-Oct-18	31-Oct-18	Oct-18	9	2,192,423	149,950	132,346	409	132,755	87,655	633	15,393	2,185,055	10,544	29
31-Oct-18	01-Nov-18	Nov-18	10	2,192,423	149,950	132,346	409	132,755	78,551	568	13,589	1,958,121	9,456	29
01-Nov-18	02-Nov-18	Nov-18	11	2,192,485	149,913	132,372	409	132,781	48,245	273	3,236	1,202,650	4,551	29
02-Nov-18	05-Nov-18	Nov-18	12	2,192,654	149,812	132,443	409	132,852	15,105	-39	-7,478	376,539	-653	29
05-Nov-18	06-Nov-18	Nov-18	13	2,192,732	149,765	132,476	409	132,885	-51,638	-763	-23,355	-1,287,223	-12,708	31
06-Nov-18	07-Nov-18	Nov-18	14	2,192,793	149,728	132,502	409	132,911	-45,621	-772	-17,747	-1,137,243	-12,860	29
07-Nov-18	08-Nov-18	Nov-18	15	2,192,855	149,691	132,528	409	132,937	-44,173	-823	-13,209	-1,101,146	-13,709	29
08-Nov-18	09-Nov-18	Nov-18	16	2,192,917	149,654	132,554	409	132,963	-56,770	-966	-16,575	-1,415,154	-16,083	29
09-Nov-18	12-Nov-18	Nov-18	17	2,193,058	149,570	132,613	409	133,023	-39,644	-698	-19,974	-988,234	-11,617	29
12-Nov-18	13-Nov-18	Nov-18	18	2,193,164	149,506	132,658	409	133,067	-95,005	-1,236	-38,191	-2,368,276	-20,581	31
13-Nov-18	14-Nov-18	Nov-18	19	2,193,225	149,469	132,684	409	133,093	-45,142	-648	-30,033	-1,125,298	-10,796	29
14-Nov-18	15-Nov-18	Nov-18	20	2,193,287	149,432	132,710	409	133,119	11,268	36	-18,577	280,880	607	29
15-Nov-18	16-Nov-18	Nov-18	21	2,193,349	149,396	132,735	410	133,145	56,572	589	-8,936	1,410,233	9,812	29
16-Nov-18	19-Nov-18	Nov-18	1	2,193,462	149,328	132,783	410	133,193	74,643	832	-7,358	1,860,690	13,856	29
19-Nov-18	20-Nov-18	Nov-18	2	2,193,596	149,248	132,839	410	133,249	116,549	1,300	2,697	2,905,340	21,647	31
20-Nov-18	21-Nov-18	Nov-18	3	2,193,657	149,211	132,865	410	133,275	138,772	1,595	8,110	3,459,320	26,565	29
21-Nov-18	22-Nov-18	Nov-18	4	2,193,719	149,174	132,891	410	133,301	161,662	1,903	13,611	4,029,898	31,687	29
26-Nov-18	27-Nov-18	Nov-18	5	2,193,833	149,105	132,939	410	133,349	170,214	2,021	15,650	4,243,105	33,668	33
27-Nov-18	28-Nov-18	Nov-18	6	2,193,888	149,073	132,962	410	133,372	199,406	2,357	21,995	4,970,800	39,254	33
28-Nov-18	29-Nov-18	Nov-18	7	2,194,040	148,982	133,026	410	133,436	200,640	2,385	22,572	5,001,544	39,716	33
29-Nov-18	30-Nov-18	Nov-18	8	2,194,098	148,947	133,050	410	133,460	182,224	2,158	20,039	4,542,480	35,950	31
30-Nov-18	03-Dec-18	Dec-18	9	2,194,402	148,865	133,138	410	133,548	166,996	1,897	24,973	4,162,874	31,597	31
03-Dec-18	04-Dec-18	Dec-18	10	2,194,578	148,809	133,192	410	133,602	156,020	1,758	21,116	3,889,271	29,273	33
04-Dec-18	05-Dec-18	Dec-18	11	2,194,699	148,786	133,223	410	133,633	167,546	1,876	24,702	4,176,594	31,249	33
05-Dec-18	06-Dec-18	Dec-18	12	2,194,860	148,756	133,264	410	133,674	183,008	2,030	28,617	4,562,013	33,810	33
06-Dec-18	07-Dec-18	Dec-18	13	2,194,990	148,732	133,297	411	133,707	158,280	1,819	19,012	3,945,611	30,294	31
07-Dec-18	10-Dec-18	Dec-18	14	2,195,307	148,672	133,377	411	133,788	140,896	1,726	7,014	3,512,260	28,742	31
10-Dec-18	11-Dec-18	Dec-18	15	2,195,429	148,649	133,408	411	133,819	125,583	1,651	-3,964	3,130,526	27,500	33
11-Dec-18	12-Dec-18	Dec-18	16	2,195,550	148,626	133,439	411	133,850	137,867	1,799	-3,035	3,436,754	29,965	33
12-Dec-18	13-Dec-18	Dec-18	17	2,195,766	148,586	133,494	411	133,905	117,806	1,487	616	2,936,668	24,764	33
13-Dec-18	14-Dec-18	Dec-18	18	2,195,895	148,561	133,527	411	133,938	104,287	1,297	1,359	2,599,673	21,597	31
14-Dec-18	17-Dec-18	Dec-18	19	2,196,158	148,512	133,594	411	134,005	69,934	936	-5,706	1,743,303	15,584	31
17-Dec-18	18-Dec-18	Dec-18	20	2,196,280	148,489	133,625	412	134,037	30,642	493	-10,817	763,851	8,204	33
18-Dec-18	19-Dec-18	Dec-18	21	2,196,401	148,466	133,656	412	134,068	4,617	198	-14,235	115,105	3,291	33
19-Dec-18	20-Dec-18	Dec-18	1	2,196,672	148,415	133,725	412	134,137	-5,348	70	-13,095	-133,321	1,160	33
20-Dec-18	21-Dec-18	Dec-18	2	2,196,801	148,391	133,758	412	134,170	-24,833	-157	-15,677	-619,033	-2,623	31
21-Dec-18	24-Dec-18	Dec-18	3	2,197,009	148,352	133,811	412	134,223	-45,942	-404	-18,343	-1,145,251	-6,724	31
26-Dec-18	27-Dec-18	Dec-18	4	2,197,193	148,317	133,857	412	134,270	-87,336	-897	-24,644	-2,177,116	-14,932	35
27-Dec-18	28-Dec-18	Dec-18	5	2,197,707	148,220	133,988	413	134,401	-91,919	-973	-22,583	-2,291,345	-16,208	31
28-Dec-18	31-Dec-18	Dec-18	6	2,197,860	148,192	134,027	413	134,440	-108,664	-1,132	-26,812	-2,708,767	-18,858	31
31-Dec-18	01-Jan-19	Jan-19	7	2,197,982	148,169	134,058	413	134,471	-111,410	-1,147	-27,906	-2,777,238	-19,098	33

Read Date	Bill Date	Billing Month	Cycle	SVL_IDR_CL	Customers PVS_IDR_CL	IND	Wx MWH Impact	IND
01-Sep-17	01-Sep-17	Sep-17	17					
05-Sep-17	05-Sep-17	Sep-17	18					
06-Sep-17	06-Sep-17	Sep-17	19					
07-Sep-17	07-Sep-17	Sep-17	20					
08-Sep-17	08-Sep-17	Sep-17	1					
11-Sep-17	11-Sep-17	Sep-17	2					
12-Sep-17	12-Sep-17	Sep-17	3					
13-Sep-17	13-Sep-17	Sep-17	4					
14-Sep-17	14-Sep-17	Sep-17	5					
15-Sep-17	15-Sep-17	Sep-17	6					
18-Sep-17	18-Sep-17	Sep-17	7					
19-Sep-17	19-Sep-17	Sep-17	8					
20-Sep-17	20-Sep-17	Sep-17	9					
21-Sep-17	21-Sep-17	Sep-17	10					
22-Sep-17	22-Sep-17	Sep-17	11					
25-Sep-17	25-Sep-17	Sep-17	12					
26-Sep-17	26-Sep-17	Sep-17	13					
27-Sep-17	27-Sep-17	Sep-17	14					
28-Sep-17	28-Sep-17	Sep-17	15					
29-Sep-17	29-Sep-17	Sep-17	16					
02-Oct-17	02-Oct-17	Oct-17	17	3,657	576	1,862	752	31
03-Oct-17	03-Oct-17	Oct-17	18	3,657	576	3,048	2,445	28
04-Oct-17	04-Oct-17	Oct-17	19	3,657	576	3,443	4,480	28
05-Oct-17	05-Oct-17	Oct-17	20	3,657	576	3,640	6,833	28
06-Oct-17	06-Oct-17	Oct-17	1	3,657	576	3,759	7,873	28
09-Oct-17	09-Oct-17	Oct-17	2	3,657	576	3,937	15,239	28
10-Oct-17	10-Oct-17	Oct-17	3	3,657	576	3,970	19,740	28
11-Oct-17	11-Oct-17	Oct-17	4	3,657	576	3,996	19,922	28
12-Oct-17	12-Oct-17	Oct-17	5	3,657	576	4,017	19,334	28
13-Oct-17	13-Oct-17	Oct-17	6	3,657	576	4,035	21,496	28
16-Oct-17	16-Oct-17	Oct-17	7	3,657	576	4,075	30,304	28
17-Oct-17	17-Oct-17	Oct-17	8	3,657	576	4,085	28,852	28
18-Oct-17	18-Oct-17	Oct-17	9	3,657	576	4,094	27,567	28
19-Oct-17	19-Oct-17	Oct-17	10	3,657	576	4,101	27,503	28
20-Oct-17	20-Oct-17	Oct-17	11	3,657	576	4,108	27,924	28
23-Oct-17	23-Oct-17	Oct-17	12	3,657	576	4,125	30,117	28
24-Oct-17	24-Oct-17	Oct-17	13	3,657	576	4,130	29,740	28
25-Oct-17	25-Oct-17	Oct-17	14	3,657	576	4,134	29,144	28
26-Oct-17	26-Oct-17	Oct-17	15	3,657	576	4,138	28,454	28
27-Oct-17	27-Oct-17	Oct-17	16	3,657	576	4,142	28,915	28
30-Oct-17	30-Oct-17	Oct-17	17	3,657	576	4,233	25,522	28
31-Oct-17	31-Oct-17	Oct-17	18	3,657	576	4,233	23,945	28
01-Nov-17	01-Nov-17	Nov-17	19	3,657	576	4,233	21,836	28

02-Nov-17	02-Nov-17	Nov-17	20	3,657	576	4,233	20,790	28
03-Nov-17	03-Nov-17	Nov-17	1	3,657	576	4,233	23,725	28
06-Nov-17	06-Nov-17	Nov-17	2	3,657	576	4,233	27,125	28
07-Nov-17	07-Nov-17	Nov-17	3	3,657	576	4,233	26,768	28
08-Nov-17	08-Nov-17	Nov-17	4	3,658	576	4,234	30,040	28
09-Nov-17	09-Nov-17	Nov-17	5	3,658	576	4,234	30,100	28
10-Nov-17	10-Nov-17	Nov-17	6	3,658	576	4,234	27,559	28
13-Nov-17	13-Nov-17	Nov-17	7	3,658	576	4,234	18,125	28
14-Nov-17	14-Nov-17	Nov-17	8	3,658	576	4,234	19,603	28
15-Nov-17	15-Nov-17	Nov-17	9	3,658	576	4,234	20,874	28
16-Nov-17	16-Nov-17	Nov-17	10	3,658	576	4,234	21,432	28
17-Nov-17	17-Nov-17	Nov-17	11	3,658	576	4,234	21,463	28
20-Nov-17	20-Nov-17	Nov-17	12	3,658	576	4,234	22,448	28
21-Nov-17	21-Nov-17	Nov-17	13	3,658	576	4,234	22,616	28
22-Nov-17	22-Nov-17	Nov-17	14	3,659	576	4,235	23,053	28
27-Nov-17	27-Nov-17	Nov-17	15	3,659	576	4,235	23,516	32
28-Nov-17	28-Nov-17	Nov-17	16	3,659	576	4,235	22,806	32
29-Nov-17	29-Nov-17	Nov-17	17	3,659	576	4,235	25,444	30
30-Nov-17	30-Nov-17	Nov-17	18	3,659	576	4,235	24,859	30
01-Dec-17	01-Dec-17	Dec-17	19	3,659	576	4,235	24,942	30
04-Dec-17	04-Dec-17	Dec-17	20	3,660	576	4,236	23,141	32
21-Nov-17	21-Nov-17	Nov-17	1	3,659	576	4,235	20,757	18
22-Nov-17	22-Nov-17	Nov-17	2	3,659	576	4,235	9,833	16
27-Nov-17	27-Nov-17	Nov-17	3	3,659	576	4,235	5,462	20
28-Nov-17	28-Nov-17	Nov-17	4	3,659	576	4,235	1,759	20
29-Nov-17	29-Nov-17	Nov-17	5	3,659	576	4,235	2,285	20
30-Nov-17	30-Nov-17	Nov-17	6	3,659	576	4,235	2,194	20
01-Dec-17	01-Dec-17	Dec-17	7	3,659	576	4,235	2,828	18
04-Dec-17	04-Dec-17	Dec-17	8	3,660	576	4,236	2,309	20
05-Dec-17	05-Dec-17	Dec-17	9	3,660	576	4,236	2,922	20
06-Dec-17	06-Dec-17	Dec-17	10	3,661	576	4,237	2,097	20
06-Dec-17	06-Dec-17	Dec-17	11	3,661	576	4,237	1,646	19
07-Dec-17	07-Dec-17	Dec-17	12	3,661	576	4,237	-1,315	17
08-Dec-17	08-Dec-17	Dec-17	13	3,662	576	4,238	-781	17
11-Dec-17	11-Dec-17	Dec-17	14	3,663	576	4,239	343	19
12-Dec-17	12-Dec-17	Dec-17	15	3,664	576	4,240	561	15
13-Dec-17	13-Dec-17	Dec-17	16	3,665	576	4,241	678	15
14-Dec-17	14-Dec-17	Dec-17	17	3,665	576	4,241	842	15
15-Dec-17	15-Dec-17	Dec-17	18	3,666	576	4,242	1,166	15
18-Dec-17	18-Dec-17	Dec-17	19	3,666	576	4,242	968	17
19-Dec-17	19-Dec-17	Dec-17	20	3,666	576	4,242	982	15
20-Dec-17	20-Dec-17	Dec-17	1	3,664	576	4,240	56	29
21-Dec-17	21-Dec-17	Dec-17	2	3,664	576	4,240	250	29
26-Dec-17	26-Dec-17	Dec-17	3	3,665	576	4,241	2,723	29
27-Dec-17	27-Dec-17	Dec-17	4	3,665	576	4,241	2,965	29

28-Dec-17	28-Dec-17	Dec-17	5	3,666	576	4,242	3,253	29
29-Dec-17	29-Dec-17	Dec 17	6	3,666	576	4,242	4,055	29
02-Jan-18	02-Jan-18	Jan-18	7	3,666	576	4,242	4,607	32
03-Jan-18	03-Jan-18	Jan-18	8	3,666	576	4,242	5,892	30
04-Jan-18	04-Jan-18	Jan-18	9	3,666	576	4,242	5,979	30
05-Jan-18	05-Jan-18	Jan-18	10	3,666	576	4,242	6,703	30
09-Jan-18	09-Jan-18	Jan-18	11	3,666	576	4,242	6,194	34
10-Jan-18	10-Jan-18	Jan-18	12	3,666	576	4,242	5,987	34
11-Jan-18	11-Jan-18	Jan-18	13	3,666	576	4,242	5,339	34
12-Jan-18	12-Jan-18	Jan-18	14	3,666	576	4,242	4,034	32
15-Jan-18	15-Jan-18	Jan-18	15	3,666	576	4,242	5,358	34
16-Jan-18	16-Jan-18	Jan-18	16	3,666	576	4,242	5,457	34
17-Jan-18	17-Jan-18	Jan-18	17	3,666	576	4,242	6,097	34
18-Jan-18	18-Jan-18	Jan-18	18	3,666	576	4,242	7,241	34
19-Jan-18	19-Jan-18	Jan-18	19	3,666	576	4,242	8,244	32
22-Jan-18	22-Jan-18	Jan-18	20	3,666	576	4,242	8,221	34
22-Jan-18	22-Jan-18	Jan-18	1	3,666	576	4,242	7,555	33
23-Jan-18	23-Jan-18	Jan-18	2	3,666	576	4,242	7,176	33
24-Jan-18	24-Jan-18	Jan-18	3	3,666	576	4,242	4,955	29
25-Jan-18	25-Jan-18	Jan-18	4	3,666	576	4,242	5,045	29
26-Jan-18	26-Jan-18	Jan-18	5	3,666	576	4,242	4,959	29
29-Jan-18	29-Jan-18	Jan-18	6	3,666	576	4,242	3,620	31
30-Jan-18	30-Jan-18	Jan-18	7	3,666	576	4,242	2,978	28
31-Jan-18	31-Jan-18	Jan-18	8	3,666	576	4,242	2,334	28
01-Feb-18	01-Feb-18	Feb-18	9	3,666	576	4,242	1,569	28
02-Feb-18	02-Feb-18	Feb 18	10	3,666	576	4,242	1,543	28
05-Feb-18	05-Feb-18	Feb-18	11	3,666	576	4,243	1,594	27
06-Feb-18	06-Feb-18	Feb-18	12	3,666	577	4,243	1,414	27
07-Feb-18	07-Feb-18	Feb-18	13	3,666	577	4,243	1,467	27
08-Feb-18	08-Feb-18	Feb-18	14	3,666	577	4,243	2,082	27
12-Feb-18	12-Feb-18	Feb-18	15	3,666	577	4,244	715	28
12-Feb-18	12-Feb-18	Feb-18	16	3,666	577	4,244	749	27
13-Feb-18	13-Feb-18	Feb-18	17	3,666	577	4,244	463	27
14-Feb-18	14-Feb-18	Feb-18	18	3,666	577	4,244	-339	27
15-Feb-18	15-Feb-18	Feb-18	19	3,667	578	4,244	-593	27
19-Feb-18	19-Feb-18	Feb-18	20	3,667	578	4,245	2,081	28
19-Feb-18	19-Feb-18	Feb-18	21	3,667	578	4,245	2,081	28
20-Feb-18	20-Feb-18	Feb-18	1	3,667	578	4,245	3,114	29
21-Feb-18	21-Feb-18	Feb-18	2	3,667	578	4,245	4,179	29
22-Feb-18	22-Feb-18	Feb-18	3	3,667	578	4,245	3,887	29
23-Feb-18	23-Feb-18	Feb-18	4	3,667	578	4,245	3,468	29
26-Feb-18	26-Feb-18	Feb-18	5	3,667	579	4,246	6,466	31
27-Feb-18	27-Feb-18	Feb 18	6	3,667	579	4,246	6,237	29
28-Feb-18	28-Feb-18	Feb-18	7	3,667	579	4,246	6,673	29
01-Mar-18	01-Mar-18	Mar-18	8	3,667	579	4,246	8,592	29

02-Mar-18	02-Mar-18	Mar-18	9	3,667	579	4,246	8,676	29
05-Mar-18	05-Mar-18	Mar-18	10	3,668	579	4,247	8,521	31
06-Mar-18	06-Mar-18	Mar-18	11	3,668	579	4,247	9,707	29
07-Mar-18	07-Mar-18	Mar-18	12	3,668	579	4,247	9,638	29
08-Mar-18	08-Mar-18	Mar-18	13	3,669	579	4,248	9,184	29
09-Mar-18	09-Mar-18	Mar-18	14	3,669	579	4,248	9,096	29
12-Mar-18	12-Mar-18	Mar-18	15	3,669	579	4,248	10,358	28
13-Mar-18	13-Mar-18	Mar-18	16	3,670	579	4,249	9,651	29
14-Mar-18	14-Mar-18	Mar-18	17	3,670	579	4,249	9,273	29
15-Mar-18	15-Mar-18	Mar-18	18	3,670	579	4,249	8,496	29
16-Mar-18	16-Mar-18	Mar-18	19	3,671	579	4,250	6,023	29
19-Mar-18	19-Mar-18	Mar-18	20	3,671	579	4,250	10,164	28
20-Mar-18	20-Mar-18	Mar-18	21	3,671	579	4,250	11,465	29
21-Mar-18	21-Mar-18	Mar-18	1	3,671	579	4,250	9,967	29
22-Mar-18	22-Mar-18	Mar-18	2	3,672	579	4,251	10,030	29
23-Mar-18	23-Mar-18	Mar-18	3	3,672	579	4,251	10,069	29
26-Mar-18	26-Mar-18	Mar-18	4	3,672	579	4,251	10,789	31
27-Mar-18	27-Mar-18	Mar-18	5	3,673	579	4,252	12,453	29
28-Mar-18	28-Mar-18	Mar-18	6	3,673	579	4,252	12,723	29
29-Mar-18	29-Mar-18	Mar-18	7	3,673	579	4,252	10,986	29
02-Apr-18	02-Apr-18	Apr-18	8	3,674	579	4,253	11,279	32
03-Apr-18	03-Apr-18	Apr-18	9	3,674	579	4,253	13,155	32
04-Apr-18	04-Apr-18	Apr-18	10	3,675	579	4,254	14,211	30
05-Apr-18	05-Apr-18	Apr-18	11	3,675	579	4,254	13,780	30
06-Apr-18	06-Apr-18	Apr-18	12	3,676	579	4,255	13,177	30
09-Apr-18	09-Apr-18	Apr-18	13	3,677	580	4,257	13,111	32
10-Apr-18	10-Apr-18	Apr-18	14	3,678	580	4,258	11,022	32
11-Apr-18	11-Apr-18	Apr-18	15	3,679	580	4,258	10,968	30
12-Apr-18	12-Apr-18	Apr-18	16	3,679	580	4,259	11,086	30
13-Apr-18	13-Apr-18	Apr-18	17	3,680	580	4,259	11,969	30
16-Apr-18	16-Apr-18	Apr-18	18	3,681	580	4,261	12,433	32
17-Apr-18	17-Apr-18	Apr-18	19	3,682	580	4,262	8,023	32
18-Apr-18	18-Apr-18	Apr-18	20	3,682	580	4,263	6,652	30
19-Apr-18	19-Apr-18	Apr-18	21	3,683	580	4,263	7,704	30
20-Apr-18	20-Apr-18	Apr-18	1	3,683	580	4,264	7,073	30
23-Apr-18	23-Apr-18	Apr-18	2	3,684	580	4,265	3,001	32
24-Apr-18	24-Apr-18	Apr-18	3	3,686	581	4,266	-59	32
25-Apr-18	25-Apr-18	Apr-18	4	3,686	581	4,267	-527	30
26-Apr-18	26-Apr-18	Apr-18	5	3,687	581	4,268	-620	30
27-Apr-18	27-Apr-18	Apr-18	6	3,687	581	4,268	-2,117	30
30-Apr-18	30-Apr-18	Apr-18	7	3,689	581	4,270	-4,367	32
01-May-18	01-May-18	May-18	8	3,689	581	4,270	-6,617	29
02-May-18	02-May-18	May-18	9	3,689	581	4,270	-9,410	29
03-May-18	03-May-18	May-18	10	3,689	581	4,270	-6,997	29
04-May-18	04-May-18	May-18	11	3,689	581	4,270	-5,158	29

07-May-18	07-May-18	May-18	12	3,689	581	4,270	-5,333	31
08-May-18	08-May-18	May-18	13	3,690	581	4,270	-2,724	29
09-May-18	09-May-18	May-18	14	3,690	581	4,270	-865	29
10-May-18	10-May-18	May-18	15	3,690	581	4,270	187	29
11-May-18	11-May-18	May-18	16	3,690	581	4,270	442	29
14-May-18	14-May-18	May-18	17	3,690	581	4,270	5,948	31
15-May-18	15-May-18	May-18	18	3,690	581	4,271	7,963	29
16-May-18	16-May-18	May-18	19	3,690	580	4,271	9,453	29
17-May-18	17-May-18	May-18	20	3,690	580	4,271	11,607	29
18-May-18	18-May-18	May-18	21	3,690	580	4,271	15,956	29
21-May-18	21-May-18	May-18	1	3,690	580	4,271	25,053	31
22-May-18	22-May-18	May-18	2	3,691	580	4,271	23,579	29
23-May-18	23-May-18	May-18	3	3,691	580	4,271	21,943	29
24-May-18	24-May-18	May-18	4	3,691	580	4,271	19,703	29
25-May-18	25-May-18	May-18	5	3,691	580	4,271	21,328	29
29-May-18	29-May-18	May-18	6	3,691	580	4,271	27,364	32
30-May-18	30-May-18	May-18	7	3,691	580	4,271	31,102	30
31-May-18	31-May-18	May-18	8	3,691	580	4,271	33,372	30
01-Jun-18	01-Jun-18	Jun-18	9	3,691	580	4,271	33,808	30
04-Jun-18	04-Jun-18	Jun-18	10	3,692	580	4,272	39,541	32
05-Jun-18	05-Jun-18	Jun-18	11	3,692	580	4,272	40,871	32
06-Jun-18	06-Jun-18	Jun-18	12	3,692	580	4,272	41,245	30
07-Jun-18	07-Jun-18	Jun-18	13	3,692	580	4,272	40,835	30
08-Jun-18	08-Jun-18	Jun-18	14	3,692	580	4,272	40,976	30
11-Jun-18	11-Jun-18	Jun-18	15	3,693	580	4,273	42,348	32
12-Jun-18	12-Jun-18	Jun-18	16	3,693	580	4,273	38,305	32
13-Jun-18	13-Jun-18	Jun-18	17	3,693	580	4,273	38,268	30
14-Jun-18	14-Jun-18	Jun-18	18	3,694	580	4,274	37,297	30
15-Jun-18	15-Jun-18	Jun-18	19	3,694	580	4,274	33,336	30
18-Jun-18	18-Jun-18	Jun-18	20	3,694	580	4,274	28,065	32
19-Jun-18	19-Jun-18	Jun-18	21	3,695	580	4,275	19,422	32
20-Jun-18	20-Jun-18	Jun-18	1	3,695	580	4,275	17,452	30
21-Jun-18	21-Jun-18	Jun-18	2	3,695	580	4,275	15,513	30
22-Jun-18	22-Jun-18	Jun-18	3	3,695	580	4,275	15,014	30
25-Jun-18	25-Jun-18	Jun-18	4	3,696	580	4,276	16,519	32
26-Jun-18	26-Jun-18	Jun-18	5	3,696	580	4,276	12,190	32
27-Jun-18	27-Jun-18	Jun-18	6	3,697	580	4,277	9,872	29
28-Jun-18	28-Jun-18	Jun-18	7	3,697	580	4,277	8,910	29
29-Jun-18	29-Jun-18	Jun-18	8	3,697	580	4,277	7,389	29
02-Jul-18	02-Jul-18	Jul-18	9	3,697	580	4,277	4,033	31
03-Jul-18	03-Jul-18	Jul-18	10	3,698	580	4,278	4,509	29
05-Jul-18	05-Jul-18	Jul-18	11	3,698	580	4,278	-1,953	30
06-Jul-18	06-Jul-18	Jul-18	12	3,698	580	4,278	-4,346	30
09-Jul-18	09-Jul-18	Jul-18	13	3,699	580	4,279	-10,738	32
10-Jul-18	10-Jul-18	Jul-18	14	3,699	580	4,279	-15,359	32

11-Jul-18	11-Jul-18	Jul-18	15	3,700	580	4,279	-17,132	30
12-Jul-18	12-Jul-18	Jul-18	16	3,700	580	4,280	-18,093	30
13-Jul-18	13-Jul-18	Jul-18	17	3,700	580	4,280	-18,852	30
16-Jul-18	16-Jul-18	Jul-18	18	3,701	580	4,280	-14,974	32
17-Jul-18	17-Jul-18	Jul-18	19	3,701	579	4,281	-11,876	32
18-Jul-18	18-Jul-18	Jul-18	20	3,702	579	4,281	-6,732	30
19-Jul-18	19-Jul-18	Jul-18	21	3,702	579	4,281	-1,188	30
20-Jul-18	20-Jul-18	Jul-18	1	3,702	579	4,282	3,651	30
23-Jul-18	23-Jul-18	Jul-18	2	3,703	579	4,282	13,143	32
24-Jul-18	24-Jul-18	Jul-18	3	3,703	579	4,283	14,508	32
25-Jul-18	25-Jul-18	Jul-18	4	3,704	579	4,283	15,818	30
26-Jul-18	26-Jul-18	Jul-18	5	3,704	579	4,283	16,633	30
27-Jul-18	27-Jul-18	Jul-18	6	3,704	579	4,283	17,760	30
30-Jul-18	30-Jul-18	Jul-18	7	3,704	579	4,284	21,868	32
31-Jul-18	31-Jul-18	Jul-18	8	3,705	579	4,284	19,671	32
01-Aug-18	01-Aug-18	Aug-18	9	3,705	579	4,284	15,334	30
02-Aug-18	02-Aug-18	Aug-18	10	3,705	579	4,284	18,438	30
03-Aug-18	03-Aug-18	Aug-18	11	3,706	579	4,285	18,785	29
06-Aug-18	06-Aug-18	Aug-18	12	3,706	579	4,285	18,700	31
07-Aug-18	07-Aug-18	Aug-18	13	3,707	579	4,286	19,446	29
08-Aug-18	08-Aug-18	Aug-18	14	3,707	579	4,286	17,939	29
09-Aug-18	09-Aug-18	Aug-18	15	3,707	579	4,286	15,179	29
10-Aug-18	10-Aug-18	Aug-18	16	3,708	579	4,287	13,324	29
13-Aug-18	13-Aug-18	Aug-18	17	3,708	579	4,287	4,264	31
14-Aug-18	14-Aug-18	Aug-18	18	3,709	579	4,288	2,627	29
15-Aug-18	15-Aug-18	Aug-18	19	3,709	579	4,288	943	29
16-Aug-18	16-Aug-18	Aug-18	20	3,709	579	4,288	-942	29
17-Aug-18	17-Aug-18	Aug-18	21	3,710	579	4,289	-2,556	29
20-Aug-18	20-Aug-18	Aug-18	1	3,710	579	4,289	-6,480	31
21-Aug-18	21-Aug-18	Aug-18	2	3,711	579	4,290	-8,472	29
22-Aug-18	22-Aug-18	Aug-18	3	3,711	579	4,290	-7,841	29
23-Aug-18	23-Aug-18	Aug-18	4	3,711	579	4,290	-6,390	29
24-Aug-18	24-Aug-18	Aug-18	5	3,712	579	4,291	-6,616	29
27-Aug-18	27-Aug-18	Aug-18	6	3,712	579	4,291	-8,019	31
28-Aug-18	28-Aug-18	Aug-18	7	3,713	579	4,292	-8,505	29
29-Aug-18	29-Aug-18	Aug-18	8	3,713	579	4,292	-5,112	29
30-Aug-18	30-Aug-18	Aug-18	9	3,713	579	4,292	-6,222	29
31-Aug-18	31-Aug-18	Aug-18	10	3,713	579	4,292	-5,749	29
04-Sep-18	04-Sep-18	Sep-18	11	3,715	579	4,294	-5,941	32
05-Sep-18	05-Sep-18	Sep-18	12	3,715	579	4,294	-5,436	30
06-Sep-18	06-Sep-18	Sep-18	13	3,716	579	4,295	-3,179	30
07-Sep-18	07-Sep-18	Sep-18	14	3,716	579	4,295	-835	30
10-Sep-18	10-Sep-18	Sep-18	15	3,717	579	4,296	-349	32
11-Sep-18	11-Sep-18	Sep-18	16	3,718	579	4,297	2,786	32
12-Sep-18	12-Sep-18	Sep-18	17	3,719	579	4,298	-114	30

13-Sep-18	13-Sep-18	Sep-18	18	3,719	579	4,298	-967	30
14-Sep-18	14-Sep-18	Sep-18	19	3,720	579	4,299	-1,886	30
17-Sep-18	17-Sep-18	Sep-18	20	3,721	579	4,300	-2,675	32
18-Sep-18	18-Sep-18	Sep-18	21	3,722	579	4,301	-3,573	32
19-Sep-18	19-Sep-18	Sep-18	1	3,722	579	4,301	-804	30
20-Sep-18	20-Sep-18	Sep-18	2	3,723	579	4,302	-182	30
21-Sep-18	21-Sep-18	Sep-18	3	3,723	579	4,302	-1,439	30
24-Sep-18	24-Sep-18	Sep-18	4	3,724	579	4,303	-3,373	32
25-Sep-18	25-Sep-18	Sep-18	5	3,725	579	4,304	-6,201	32
26-Sep-18	26-Sep-18	Sep-18	6	3,726	579	4,305	-5,684	30
27-Sep-18	27-Sep-18	Sep-18	7	3,726	579	4,305	-5,788	30
28-Sep-18	28-Sep-18	Sep-18	8	3,727	579	4,306	-5,702	30
01-Oct-18	01-Oct-18	Oct-18	9	3,728	579	4,307	-8,682	32
02-Oct-18	02-Oct-18	Oct-18	10	3,728	579	4,307	-3,766	32
03-Oct-18	03-Oct-18	Oct-18	11	3,728	579	4,307	-1,471	29
04-Oct-18	04-Oct-18	Oct-18	12	3,728	579	4,307	363	29
05-Oct-18	05-Oct-18	Oct-18	13	3,728	579	4,307	2,782	29
08-Oct-18	08-Oct-18	Oct-18	14	3,728	579	4,307	13,147	31
09-Oct-18	09-Oct-18	Oct-18	15	3,728	579	4,307	18,608	29
10-Oct-18	10-Oct-18	Oct-18	16	3,728	579	4,307	24,466	29
11-Oct-18	11-Oct-18	Oct-18	17	3,728	579	4,307	26,221	29
12-Oct-18	12-Oct-18	Oct-18	18	3,728	579	4,307	26,342	29
15-Oct-18	15-Oct-18	Oct-18	19	3,729	579	4,308	33,208	31
16-Oct-18	16-Oct-18	Oct-18	20	3,729	579	4,308	29,337	29
17-Oct-18	17-Oct-18	Oct-18	21	3,729	579	4,308	23,405	29
18-Oct-18	18-Oct-18	Oct-18	1	3,729	579	4,308	18,626	29
19-Oct-18	19-Oct-18	Oct-18	2	3,729	579	4,308	15,284	29
22-Oct-18	22-Oct-18	Oct-18	3	3,729	579	4,308	12,089	31
23-Oct-18	23-Oct-18	Oct-18	4	3,729	579	4,308	10,126	29
24-Oct-18	24-Oct-18	Oct-18	5	3,729	579	4,308	7,427	29
25-Oct-18	25-Oct-18	Oct-18	6	3,729	579	4,308	5,515	29
26-Oct-18	26-Oct-18	Oct-18	7	3,729	579	4,308	6,298	29
29-Oct-18	29-Oct-18	Oct-18	8	3,729	579	4,308	9,865	31
30-Oct-18	30-Oct-18	Oct-18	9	3,729	579	4,308	11,909	29
31-Oct-18	31-Oct-18	Oct-18	10	3,729	579	4,308	12,553	29
01-Nov-18	01-Nov-18	Nov-18	11	3,729	579	4,308	9,915	29
02-Nov-18	02-Nov-18	Nov-18	12	3,729	579	4,308	6,344	29
05-Nov-18	05-Nov-18	Nov-18	13	3,730	580	4,310	-4,427	31
06-Nov-18	06-Nov-18	Nov-18	14	3,730	580	4,310	-4,057	29
07-Nov-18	07-Nov-18	Nov-18	15	3,730	580	4,311	-2,869	29
08-Nov-18	08-Nov-18	Nov-18	16	3,731	581	4,311	434	29
09-Nov-18	09-Nov-18	Nov-18	17	3,731	581	4,311	726	29
12-Nov-18	12-Nov-18	Nov-18	18	3,731	581	4,313	-6,392	31
13-Nov-18	13-Nov-18	Nov-18	19	3,732	582	4,313	-5,306	29
14-Nov-18	14-Nov-18	Nov-18	20	3,732	582	4,314	-2,819	29

15-Nov-18	15-Nov-18	Nov-18	21	3,732	582	4,314	-437	29
16-Nov-18	16-Nov-18	Nov-18	1	3,732	582	4,314	1,645	29
19-Nov-18	19-Nov-18	Nov-18	2	3,733	583	4,316	4,516	31
20-Nov-18	20-Nov-18	Nov-18	3	3,733	583	4,316	6,072	29
21-Nov-18	21-Nov-18	Nov-18	4	3,733	583	4,317	7,402	29
26-Nov-18	26-Nov-18	Nov-18	5	3,734	584	4,317	8,178	33
27-Nov-18	27-Nov-18	Nov-18	6	3,734	584	4,318	9,719	33
28-Nov-18	28-Nov-18	Nov-18	7	3,734	584	4,319	9,612	33
29-Nov-18	29-Nov-18	Nov-18	8	3,735	585	4,319	7,939	31
30-Nov-18	30-Nov-18	Nov-18	9	3,735	585	4,320	5,901	31
03-Dec-18	03-Dec-18	Dec-18	10	3,735	585	4,321	8,863	33
04-Dec-18	04-Dec-18	Dec-18	11	3,736	585	4,321	9,389	33
05-Dec-18	05-Dec-18	Dec-18	12	3,736	585	4,321	10,756	33
06-Dec-18	06-Dec-18	Dec-18	13	3,736	585	4,321	8,193	31
07-Dec-18	07-Dec-18	Dec-18	14	3,736	585	4,322	3,978	31
10-Dec-18	10-Dec-18	Dec-18	15	3,737	585	4,322	50	33
11-Dec-18	11-Dec-18	Dec-18	16	3,737	585	4,323	830	33
12-Dec-18	12-Dec-18	Dec-18	17	3,738	585	4,323	1,387	33
13-Dec-18	13-Dec-18	Dec-18	18	3,738	585	4,323	1,048	31
14-Dec-18	14-Dec-18	Dec-18	19	3,738	585	4,323	198	31
17-Dec-18	17-Dec-18	Dec-18	20	3,739	586	4,324	-356	33
18-Dec-18	18-Dec-18	Dec-18	21	3,739	586	4,324	-803	33
19-Dec-18	19-Dec-18	Dec-18	1	3,739	586	4,325	-219	33
20-Dec-18	20-Dec-18	Dec-18	2	3,739	586	4,325	-482	31
21-Dec-18	21-Dec-18	Dec-18	3	3,740	586	4,325	-695	31
26-Dec-18	26-Dec-18	Dec-18	4	3,741	586	4,327	-1,251	35
27-Dec-18	27-Dec-18	Dec-18	5	3,741	586	4,327	-1,948	31
28-Dec-18	28-Dec-18	Dec-18	6	3,741	586	4,327	-2,497	31
31-Dec-18	31-Dec-18	Dec-18	7	3,742	586	4,328	-2,425	33
14-Jan-19	14-Jan-19	Jan-19	8	2,661	417	3,078	-2,305	46
15-Jan-19	15-Jan-19	Jan-19	9	2,524	395	2,919	-5,066	46
16-Jan-19	16-Jan-19	Jan-19	10	2,437	382	2,818	-4,770	44
17-Jan-19	17-Jan-19	Jan-19	11	2,350	368	2,718	-4,744	44
18-Jan-19	18-Jan-19	Jan-19	12	2,263	354	2,617	-4,800	44
21-Jan-19	21-Jan-19	Jan-19	13	2,079	326	2,404	-4,494	46

CEHE Holidays for

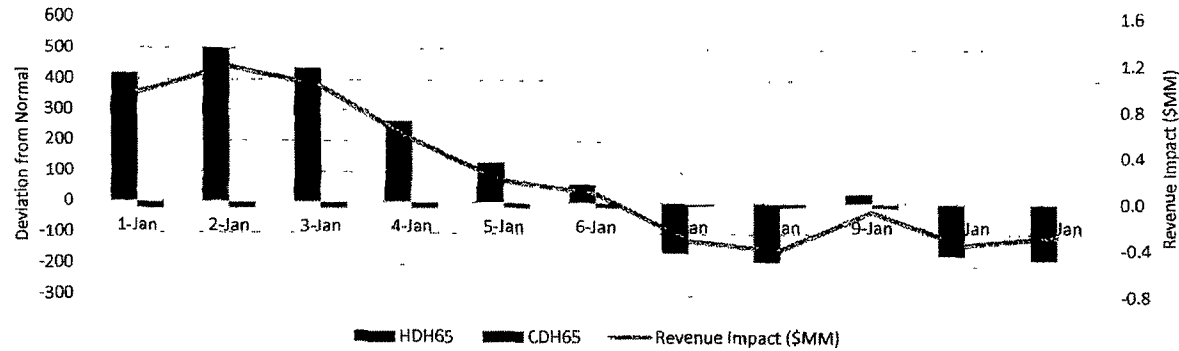
Thanks Giving 1	27-Nov-14
Thanks Giving 2	28-Nov-14
Christmas Eve	24-Dec-14
Christmas Day	25-Dec-14
New Year's Day	1-Jan-15
Good Friday	3-Apr-15
Memorial Day	25-May-15
Independence Day	3-Jul-15
Labor Day	7-Sep-15
Thanks Giving 1	22-Nov-15
Thanks Giving 2	23-Nov-15
Christmas Eve	24-Dec-15
Christmas Day	25-Dec-15
New Year's Day	1-Jan-16
Good Friday	25-Mar-16
Memorial Day	30-May-16
Independence Day	4-Jul-16
Labor Day	5-Sep-16
Thanks Giving 1	24-Nov-16
Thanks Giving 2	25-Nov-16
Christmas Eve	23-Dec-16
Christmas Day	26-Dec-16
New Year's Day	2-Jan-17
Good Friday	14-Apr-17
Memorial Day	29-May-17
Independence Day	4-Jul-17
Labor Day	4-Sep-17
Thanks Giving 1	23-Nov-17
Thanks Giving 2	24-Nov-17
Christmas Eve	22-Dec-17
Christmas Day	25-Dec-17

2018

	Year	Month	Day
From	2018	1	1
To	2018	1	11

Customers	
RES	SVS
2,166,436	143,500

2018



Date	Weather Dev From Normal		MWH Impact		Revenue Impact (\$MM)		
	HDH65	CDH65	RES	SVS	RES	SVS	Total
D_HDH65	D_CDH65	RS_MWH	SVS_MWH	RS_REV	SVS_REV	Total	
1-Jan	420	-22	37,806	406	0.9	0.0	0.9
2-Jan	502	-21	46,986	501	1.2	0.0	1.2
3-Jan	438	-20	40,265	431	1.0	0.0	1.0
4-Jan	267	-18	21,993	240	0.5	0.0	0.6
5-Jan	131	-17	7,508	89	0.2	0.0	0.2
6-Jan	60	-16	3,394	39	0.1	0.0	0.1
7-Jan	-162	-8	-12,846	-143	-0.3	0.0	-0.3
8-Jan	-189	-13	-16,162	-177	-0.4	0.0	-0.4
9-Jan	30	-14	-2,968	-21	-0.1	0.0	-0.1
10-Jan	-170	-2	-14,221	-156	-0.4	0.0	-0.4
11-Jan	-182	-1	-11,572	-135	-0.3	0.0	-0.3

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**GULF COAST COALITION OF CITIES
REQUEST NO.: GCCC01-02**

QUESTION:

Refer to the CNP 2018 10-K at 50 wherein CNP states:

Historically, both CenterPoint Energy's TDU and CERC's NOD have utilized weather hedges to help reduce the impact of mild weather on their financial results. CenterPoint Energy's TDU and CERC's NOD entered into a weather hedge for the 2017-2018 and 2018-2019 winter heating seasons in Texas where no weather normalization mechanisms exist. In CERC's non-Texas jurisdictions, weather normalization mechanisms or decoupling in the Minnesota division help to mitigate the impact of abnormal weather on our financial results.

- a. Describe the weather hedges, including the counterparties to such hedges, metrics used to measure and settle the hedges, and models used and calculations made to determine variation in revenues due to weather compared to normal. Indicate whether the models used for the weather hedges are the same as used to determine weather normalized revenues in this proceeding. If not, list and describe all critical differences. Indicate whether the models used for the weather hedges are the same as used to calculate the effects of weather for financial reporting purposes. If not, list and describe all critical differences.
- b. Provide the actual monthly CEHE journal entries by FERC account/subaccount used to record all effects of the weather hedges in 2017 and 2018, including gains/losses and related income tax effects. Provide a copy of all calculations in live Excel spreadsheet format with all formulas intact. Annotate the sources of all data inputs reflected in the spreadsheets.
- c. Describe in detail how the Company reflected these expenses, including gains/losses in the base revenue requirement in this proceeding. Identify each line item in the Company's rate base and operating expense schedules, including workpapers.

ANSWER:

a. CenterPoint Houston did not utilize weather hedges during the test year. Weather hedging was utilized by CenterPoint Houston's parent company, CenterPoint Energy, Inc. (see GCCC01-02 Attachment 1 and GCCC01-02 Attachment 2).

The models used for the weather hedges are not the same as the one used to determine the weather normalized revenue for this proceeding, nor is the one used for financial reporting (described in GCCC01-01). The purpose of the weather hedge is to protect the CenterPoint Energy, Inc. from a warmer than normal winter. The winter months covered by the hedge are from December through February. The hedge model uses a simple relationship between the actual HDDs for the day and the agreed upon strike value. The strike value does not necessarily match the 10 or the 20-year weather normal. The comparison is to the actual monthly HDD at IAH. Like the weather adjustment for financial reporting, this is only applicable to the residential and SVS rate classes, which are billed based upon kwh, not demand. The dollar value per HDD is estimated based on the kwh use per customer per HDD60 and HDD50 multiplied times a forecast of the customer count for the months of December – February at the current tariff rates.

Differences in Methodology

	Method used in Financial Reporting (10K)	Method used in Rate Case	Method used for hedge (electric only)
Data used in estimation	Based on load study data (a small statistical sample) from 2010 Rate Case (Docket 38339)	Based on AMS interval data from 2015-2018 for the population	Daily usage for Residential and SVS from 2012-2018

Weather stations	IAH, HOU	IAH, HOU, Sugar Land (SGR)	IAH only
Historic Weather Period for Normal Comparison	2007-2016 (10 year)	1999-2018 (20 year)	Strike value
Weather Variables	Cooling degree hours (CDH) and heating degree hours (HDH) computed from the averages	Daily cooling degrees (CD) and heating degrees (HD) used	HDD 60 and HDD 50
Weighting across stations	Hourly temperatures weighted across stations, then CDH and HDH computed from the averages	CD and HD variables computed for each station, then weighted across stations	None
Weather Interactions	Vary by season	CD and HD slopes allowed to vary by day type and season	None
Lagged weather effects	One day lagged effects included	One and two day lagged effects included	None
Temperature Comparison	CDH and HDH used to compute smoothed temperature	Rank and average applied to daily CD and HD. Results are assigned to days in 2018 using actual weather pattern	Monthly HDD60 and HDD50
Rate class impacts	Residential and SVS only (Kwh)	All weather sensitive rate classes: Residential, SVS, SVL, PVS	Residential and SVS only (Kwh)

b. The contracts for the weather hedges to help reduce the impact of mild weather on the financial results of CenterPoint Houston are held in the name of CenterPoint Energy, Inc. CenterPoint Energy, Inc. retains any gain or loss related to these weather hedges. No journal entries are recorded to CenterPoint Houston for the effects of weather hedges.

c. Weather hedge expenses are not reflected in CenterPoint Houston's base revenue requirement in this proceeding.

The attachments are confidential and are being provided pursuant to the Protective Order issued in Docket No. 49421.

SPONSOR (PREPARER):

Kristie Colvin/Robert McRae (Kristie Colvin/Robert McRae)

RESPONSIVE DOCUMENTS:

GCCC01-02 Attachment 1 (CONFIDENTIAL).pdf

GCCC01-02 Attachment 2 (CONFIDENTIAL).pdf

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**GULF COAST COALITION OF CITIES
REQUEST NO.: GCCC01-03**

QUESTION:

Provide a copy of all tax sharing and tax allocation agreements to which CEHE is a party.

ANSWER:

A confidential copy of CenterPoint Energy Houston Electric, LLC's intercompany tax agreement was filed as an attachment to schedule II-E-3.4. The attachment name is "II-E-3.4 CNP Intercompany Tax Policy (Confidential).pdf." It is the only tax allocation agreement or tax sharing agreement to which CenterPoint Energy Houston Electric, LLC is a party.

SPONSOR (PREPARER):

Charles Pringle (Charles Pringle)

RESPONSIVE DOCUMENTS:

None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**GULF COAST COALITION OF CITIES
REQUEST NO.: GCCC01-04**

QUESTION:

Provide a reconciliation between the federal income tax expense for calendar years 2017 and 2018 calculated on a standalone basis as if CEHE were a traditional C corporation taxpayer and the federal income tax expense recorded on CEHE's accounting books after consideration of the effects of the CNP consolidated tax return and the tax sharing agreement between CNP and CEHE.

ANSWER:

The requested reconciliation has not been performed so the requested information is not available.

SPONSOR (PREPARER):

Charles Pringle (Charles Pringle)

RESPONSIVE DOCUMENTS:

None

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**GULF COAST COALITION OF CITIES
REQUEST NO.: GCCC01-05**

QUESTION:

Refer to the CNP 2018 10-K at 151 and the components of CEHE income tax expense in 2016, 2017, and 2018. In 2017, CEHE recorded a reduction in income tax expense of \$158 million due to the TCJA on the line labeled "Federal Income Tax Rate Reduction."

- a. Provide a detailed description of the 2017 reduction in income tax expense, especially given that the federal income tax rate was not reduced until 2018. In your description, address why this was recorded in 2017 and why it was not deferred (and thus, why it did not net to \$0).
- b. Provide a copy of all journal-entries by FERC by month and provide a copy of all supporting calculations, including all electronic spreadsheets in live format with all formulas intact.

ANSWER:

- a. Under US GAAP, the effects of new legislation are recognized upon enactment (ASC 740-10-25-47). More specifically, the effect of a change in tax laws or rates on a deferred tax liability or deferred tax asset is recognized as a discrete item in the interim period that includes the enactment date. The TCJA was enacted on December 22, 2017 so CenterPoint Energy Houston Electric, LLC. was required to record the deferred tax effects in December 2017.

The \$158 million referenced in this question was for the revaluation of deferred taxes associated with transition and system restoration bonds that are recorded on the books of CenterPoint Energy Houston Electric, LLC. These deferred taxes are not associated with ongoing utility operations and the revaluation of the deferred taxes was recorded as a reduction to income tax expense in the period of enactment of the TCJA in December 2017.

- b. The support for the \$158 million above was reflected in the 2017 Q4 Provision as an adjustment that came from the 2017 Q4 Deferred Tax Model. Both the provision model and the deferred tax models for CenterPoint Energy Transition Bond Company, LLC, CenterPoint Energy Transition Bond Company II, LLC, CenterPoint Energy Transition Bond Company III, LLC, CenterPoint Energy Transition Bond Company IV, LLC, and CenterPoint Energy Restoration Bond Company, LLC are being provided as attachments to this request.

The requested information is voluminous and will be provided to the propounding party only in electronic format on CD. Please contact Alice Hart at (713) 207-5322 to request a copy of the CD. Please see index of voluminous material below.

DATE	TITLE	PREPARER	NUMBER OF PAGES	PAGE NO(S)
Undated	GCCC01-05 Attachment 1 - 2017 Q4 Provision.xlsm	Charles Pringle	6	1-6
Undated	GCCC01-05 Attachment 2 - 2017 Q4 Deferred Tax Model.xlsx	Charles Pringle	286	1-286

SPONSOR (PREPARER):

Charles Pringle (Charles Pringle)

RESPONSIVE DOCUMENTS:

GCCC01-05 Attachment 1 - 2017 Q4 Provision.xlsm

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**GULF COAST COALITION OF CITIES
REQUEST NO.: GCCC01-06**

QUESTION:

Refer to the calculation of the annual revenue requirement for the proposed Rider UEDIT labeled as "Schedule Rider UEDIT" sponsored by Ms. Colvin and the related WP/WP Rider UEDIT, which shows the regulatory liability balances with the income tax gross-up and the removal of the income tax gross-up to calculate the negative amortization expense without the income tax gross-up.

- a. Confirm that this calculation reflects a negative amortization expense equal to the three-year straight-line amortization of the EDIT regulatory liability after removing the income tax gross-up.
- b. Explain why the Company did not include the income tax gross-up to calculate the revenue requirement resulting from the negative amortization expense. If the Company believes that its calculation is correct then provide a copy of all authoritative support for this position. In addition, provide a copy of all internal correspondence and external correspondence wherein this issue was addressed. Further, identify the person and position of the decision-maker who decided not to include the income tax gross-up.
- c. If, upon further review, the Company now believes that the negative amortization expense should be grossed-up to calculate the revenue requirement, then provide a corrected Schedule Rider UEDIT.

ANSWER:

- a. The income tax gross-up was not included in the calculation
- b. The Company had inadvertently excluded the income tax gross-up
- c. Please see GCCC01-06 Attachment 1 for the corrected Schedule Rider UEDIT.

SPONSOR (PREPARER):

Kristie Colvin / Charles Pringle (Kristie Colvin / Charles Pringle)

RESPONSIVE DOCUMENTS:

GCCC01-06 Attachment 1.xlsx

CenterPoint Energy Houston Electric, LLC
Unprotected Excess Deferred Income Taxes (EDIT) Rider Calculation
Corrected

Line No.	Description	December 31, 2018 Regulatory Asset (Liability) Balance					In Thousands				
		Year 1	Year 2	Year 3	Total		Regulatory Asset (Liability) Balance	Year 1	Year 2	Year 3	Total
1	Rate Base Balances at End of Period:										
2	Unprotected EDIT Liberalized Depreciation	\$ (23,795,720)	\$ (15,863,813)	\$ (7,931,906)	\$ 1		\$ (23,796)	\$ (15,864)	\$ (7,932)	\$ 0	
3	Unprotected EDIT PP&E	(104,733,844)	(69,822,563)	(34,911,282)	(1)		(104,734)	(69,823)	(34,911)	(0)	
4	Unprotected EDIT Other	23,080,495	15,386,997	7,693,499	1		23,080	15,387	7,693	0	
5	Deferred Tax Asset on Unprotected EDIT Liberalized Depreciation	5,136,493	3,424,329	1,712,165	1		5,136	3,424	1,712	0	
6	Deferred Tax Asset on Unprotected EDIT PP&E	22,607,622	15,071,748	7,535,874	-		22,608	15,072	7,536	-	
7	Deferred Tax Liability on Unprotected EDIT Other	(5,858,036)	(3,905,358)	(1,952,679)	-		(5,858)	(3,905)	(1,953)	-	
8	Net Period End Rate Base	\$ (83,562,990)	\$ (55,708,660)	\$ (27,854,329)	\$ 2		\$ (83,563)	\$ (55,709)	\$ (27,854)	\$ 0	
9											
10	Rate Base Balances at End of Period - Adjusted Balances	\$ (99,780,818)	(66,520,545)	(33,260,272)	1		\$ (99,781)	\$ (66,521)	\$ (33,260)	\$ 0	
11											
12	Average Rate Base - Based on Adjusted Balances	\$	\$ (83,150,681)	\$ (49,890,409)	\$ (16,630,136)		\$	\$ (83,151)	\$ (49,890)	\$ (16,630)	
13	Pre-Tax Rate of Return	8.7721%	8.7721%	8.7721%	8.7721%		8.7721%	8.7721%	8.7721%	8.7721%	
14	Impact of Change to Rate Base on Revenue Requirement	\$	\$ (7,294,061)	\$ (4,376,437)	\$ (1,458,812)		\$	\$ (7,294)	\$ (4,376)	\$ (1,459)	
15	Cumulative Impact of Change to Rate Base on Revenue Requirement	\$	\$ (7,294,061)	\$ (11,670,498)	\$ (13,129,310)	\$ (13,129,310)	\$	\$ (7,294)	\$ (11,670)	\$ (13,129)	\$ (13,129)
16											
17	Impact on Expense										
18	Unprotected EDIT Liberalized Depreciation Amortization	\$	\$ (7,931,907)	\$ (7,931,907)	\$ (7,931,907)	\$ (23,795,720)	\$	\$ (7,932)	\$ (7,932)	\$ (7,932)	\$ (23,796)
19	Unprotected EDIT PP&E Amortization	\$	\$ (34,911,281)	\$ (34,911,281)	\$ (34,911,281)	(104,733,844)	\$	\$ (34,911)	\$ (34,911)	\$ (34,911)	(104,734)
20	Unprotected EDIT Other Amortization	\$	\$ 7,693,498	\$ 7,693,498	\$ 7,693,498	23,080,495	\$	\$ 7,693	\$ 7,693	\$ 7,693	23,080
21	Total Amortization of Unprotected EDIT	\$	\$ (35,149,690)	\$ (35,149,690)	\$ (35,149,690)	(105,449,069)	\$	\$ (35,150)	\$ (35,150)	\$ (35,150)	(105,449)
22											
23	Weighted Cost of Debt		2.1898%	2.1898%	2.1898%			2.1898%	2.1898%	2.1898%	
24	Interest Expense (Net Change to Rate Base x Weighted Cost of Debt)	\$	\$ 609,954	\$ 609,954	\$ 609,954		\$	\$ 610	\$ 610	\$ 610	
25	Federal Tax Rate	21%	21%	21%	21%			21%	21%	21%	
26	Tax Credit (Expense) due to Interest Expense	\$	\$ (128,090)	\$ (128,090)	\$ (128,090)	\$ (384,270)	\$	\$ (128)	\$ (128)	\$ (128)	\$ (384)
27											
28	Total Impact on Expenses		(35,277,780)	(35,277,780)	(35,277,780)			(35,278)	(35,278)	(35,278)	
29											
30	Impact to Base Rate Revenues	\$	\$ (42,571,841)	\$ (39,654,217)	\$ (36,736,592)	\$ (118,962,649)	\$	\$ (42,572)	\$ (39,654)	\$ (36,737)	\$ (118,962)
31											
32	True-up Adjustments - Impact of the following:										
33	+ TCOS and DCRF refunds (until base rates are implemented)										
34	- Unprotected ARAM (until base rates are implemented)										
35	+/- Federal Income Tax Returns										
36	+/- TCJA Clarifications										
37	+/- Audit adjustments										
38	Total True-up Adjustments	\$	\$ -	\$ -	\$ -		\$	\$ -	\$ -	\$ -	
39											
40	Total Impact to Base Rate Revenues	\$	\$ (118,962,649)	\$ (42,571,841)	\$ (39,654,217)	\$ (36,736,592)	\$	\$ (118,962)	\$ (42,572)	\$ (39,654)	\$ (36,737)

Unprotected Excess Deferred Income Taxes (EDIT)
Balances at December 31, 2018

Description	Regulatory Asset (Liability)		EDIT Tax Expense		21% Deferred Tax Asset (Liability)		Amortization of Regulatory Asset (Liability) Balance		
	Balance		Reduction				Year 1	Year 2	Year 3
Unprotected EDIT Liberalized Depreciation	\$ (23,795,720)	\$	18,659,227	\$	5,136,493	\$	(7,931,907)	(7,931,907)	(7,931,907)
Unprotected EDIT PP&E	\$ (104,733,844)	\$	82,126,222	\$	22,607,622	\$	(34,911,281)	(34,911,281)	(34,911,281)
Unprotected EDIT Other	\$ 23,080,495	\$	(17,222,459)	\$	(5,858,036)	\$	7,693,498	7,693,498	7,693,498
Total EDIT Unprotected	\$ (105,449,069)	\$	83,562,990	\$	21,886,079	\$	(35,149,690)	(35,149,690)	(35,149,690)

Amortization Period 3 years

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**GULF COAST COALITION OF CITIES
REQUEST NO.: GCCC01-07**

QUESTION:

Refer to WP-B-10 Adj 3, which adds the 13 month average of \$176.268 million in prepaid pension assets to other prepaid items in rate base. Refer also to WP II-E- 3.5.1c at cell row 151, which shows the calculation of ADIT related to this prepaid pension asset adjustment amount using same signs. Refer also to WP II-E-3.5.1a and further to the amount of the asset ADFIT adjustment added for account 283 of \$37.016 million and described as "Prepaid Pension Asset Service Company." Finally, refer to Exhibit KLC-09.

- a. Please describe how of CEHE's share of each component of the prepaid pension calculation on Exhibit KLC-09 was determined and identify the affiliate described as CNP.
- b. Provide the source documents and the calculation of CEHE's share of each line item portrayed on Exhibit KLC-09 for 2017 and 2018 as examples for the various years. Provide annotated copies of the relevant actuarial report pages and balance sheets used in the calculations.
- c. Describe which entity and in what manner the \$176.268 million in prepaid pension assets is funded. In other words, did CNP fund the prepaid pension asset or did CEHE or some other entity? Provide all support relied on for your response.
- d. Indicate whether CEHE was charged by CNP or CenterPoint Energy Service Company for the cost of capital necessary to fund the calculated prepaid pension asset of \$176.268. Provide all support relied on for your response.
- e. Indicate whether the \$370.442 million in unrecognized gains/losses shown on Exhibit KLC-09 is recorded on CNP, CenterPoint Energy Service Company, or CEHE's accounting books. If so, identify the entity and the account wherein it is recorded. If it is reflected in the pension trust fund assets recorded on the accounting books of CNP, please so state. Provide a copy of all support relied on for your response.
- f. Explain why the \$370.442 million in unrecognized gains/losses shown on Exhibit KLC-09 is not already reflected in the negative \$200.073 million net funded/unfunded status. In other words, aren't unrecognized gains/losses included in the trust fund assets used to determine the funding status?
- g. Explain why the referenced ADFIT adjustment amount on WP II-E-3.5.1a described as "Prepaid Pension Asset Service Company" is being added as an asset ADFIT amount (Debit to account 283) instead of a liability ADFIT amount (Credit to account 283) if the temporary difference to which it is associated is a prepaid pension asset. If the filing contains an error, please so state.

ANSWER:

- a. CenterPoint Houston's share of each component was derived by the actuary. See the actuarial reports as referenced in Schedule II-D-3.8.1. The row entitled "Pension Expense as Included in Rates" represents the amounts of pension expense previously approved by the commission. The affiliate referred to as CNP represents CenterPoint Energy, Inc.
- b. Please see schedule II-D-3.8.1 for references to the source documents. Please refer to GCCC01-07 Attachment 1 (confidential) for the annotated copies of the relevant actuarial report pages requested. **The attachment is confidential and is being provided pursuant to the Protective Order issued in Docket No. 49421.**
- c. CenterPoint Houston's prepaid pension asset represents the accumulated difference between the Plan contributions made by CenterPoint Energy, Inc. to the plan on behalf of CenterPoint Houston less the pension costs recognized by CenterPoint Houston. The prepaid pension asset at CenterPoint Houston was \$170.369 million as of December 31, 2018 per the actuarial report. The \$176.268 million is a 13-month (Dec-2017 to Dec-2018) average. Employer contributions to the CenterPoint Energy Retirement plan are funded by CenterPoint Energy, Inc.

- d. CenterPoint Houston has made cash contributions to CenterPoint Energy, Inc. for plan funding equal to CenterPoint Houston's pension expense. The prepaid pension asset at CenterPoint Energy, Inc. represents the amount of cash funded by CenterPoint Energy, Inc. to the plan on behalf of CenterPoint Houston in excess of cash it received from CenterPoint Houston through pension expense. Contributions made by the parent to the plan 1) increases the plan assets and 2) generally increases the return on plan assets, both of which reduce the amount of pension expense charged to ratepayers overtime. CenterPoint Energy, Inc. has not charged CenterPoint Houston for the cost of capital necessary to fund the prepaid pension asset. Exhibit KLC-09 attached to Ms. Colvin's direct testimony outlines the expense and contributions to the prepaid pension asset since CenterPoint Houston's last base rate proceeding.
- e. The \$370.442 million in unrecognized gains/losses represents the impact of accumulative changes in assumptions (i.e. discount rate and mortality), plan design and plan asset performance over the years has had on CenterPoint Houston's plan obligation as of December 31, 2018 that has not yet been reflected in CenterPoint Houston's pension cost. These unrealized gains and losses are recorded on CenterPoint Energy, Inc. in General Ledger accounts 179064 and 298012. The unrecognized gains/losses in accounts 179064 and 298012 will be recognized as a component of the actuarially measured net periodic pension cost in future periods. Under GAAP, pension trust fund assets are not recognized on a company's book. Instead, ASC 715-30-25 requires the recognition of the plan's funded or unfunded status, the difference between the fair market value of the pension trust assets and the plan's projected benefit obligation, as an asset or liability, respectively.
- f. The net unfunded status of (\$200.073 million) represents CenterPoint Houston's portion of the plan's projected benefit obligation in excess of the fair value of its plan assets as of December 31, 2018 and is reflected as a liability on the balance sheet of CenterPoint Energy, Inc. (GL 259041). Unrecognized gains/losses represent net amounts included in the unfunded status liability on the balance sheet that (1) have not yet been reflected in the actuarially measured net pension cost and thus (2) have not yet been funded by rate payers through pension expense. These amounts may include, but are not limited to, gains or losses on the fair value of plan assets on the measurement date. Any gains or losses on plan assets will increase or decrease the net funded status of the plan on the measurement date, December 31, 2018, and will be deferred by CenterPoint Energy, Inc. as a component of the total accumulated unrealized gains/losses of the plan in accounts 179064 and 298012 until they are recognized through the future period actuarially measured net pension cost.
- g. The ADFIT adjustment on WP II-E-3.5.1a was inadvertently included as a deferred tax asset instead of as a deferred tax liability in error and will be corrected in an errata filing.

SPONSOR (PREPARER):

Kristie Colvin / Charles Pringle (Kristie Colvin / Charles Pringle)

RESPONSIVE DOCUMENTS:

GCCC01-07 Attachment 1 (confidential).xlsx

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**GULF COAST COALITION OF CITIES
REQUEST NO.: GCCC01-08**

QUESTION:

Please refer to the prepaid pension asset determination provided in Exhibit KLC-09. Please provide a similar schedule for each of the OPEB obligations for which costs are incurred or allocated to CEHE. In addition, please explain why a similar addition or subtraction to/from rate base would not also be appropriate related to the OPEB obligations.

ANSWER:

Please see GCCC01-08 Attachment 1 (confidential) for the requested information. A similar addition or subtraction to/from rate base for the OPEB obligations would not be appropriate because the cash collected in rates for the postretirement portion has been placed in an irrevocable trust fund dedicated to the payment of OPEB expenses as required by part (v) of P.U.C. Substantive Rule §25.231(b)(1)(G) as follows:

“(v) OPEB amounts included in rates shall be placed in an irrevocable external trust fund dedicated to the payment of OPEB expenses.”

Because the substantive rule requires CenterPoint Houston to contribute the amount of OPEB expense included in rates into a trust, the additional liability has not been paid by the metered customers in their rates and represents the unfunded liability that exists at December 31, 2018 and is not customer supplied funds.

The attachment is confidential and is being provided pursuant to the Protective Order issued in Docket No. 49421.

SPONSOR (PREPARER):
Kristie Colvin (Kristie Colvin)

RESPONSIVE DOCUMENTS:
GCCC01-08 Attachment 1 (confidential).xlsx

**CENTERPOINT ENERGY HOUSTON ELECTRIC, LLC
2019 CEHE RATE CASE
DOCKET 49421-SOAH DOCKET NO. 473-19-3864**

**GULF COAST COALITION OF CITIES
REQUEST NO.: GCCC01-09**

QUESTION:

Please refer to the CenterPoint Energy Service Company, LLC Form 60 filed for 2017 at page 307 line 1, which indicates \$7,780,732 charged to CEHE for "Compensation For Use of Capital."

- a. Please describe how this amount was computed for 2017.
- b. Please provide copies of the sources of such capital amounts used in the calculation during 2017.
- c. Please indicate how this amount was recorded on the books of CEHE during 2017 and how they were reflected in CEHE's rate case filing.
- d. Please indicate whether any changes have been made to the calculation or recording of such charges since the end of 2017. If so, please describe any changes.

ANSWER:

Note: After clarification from GCCC, the Company is providing information from the recently filed 2018 CenterPoint Energy Service Company, LLC's Form 60. The methodology used to calculate the amount charged to CenterPoint Houston Electric in 2017 was the same used to calculate the 2018 amounts included in GCCC01-09 Attachment 1.xlsx.

- a. Please see GCCC01-09 Attachment 1.xlsx for the 2018 calculation.
- b. Please see GCCC01-09 Attachment 1.xlsx for the 2018 capital.
- c. The amount is recorded in various Service Company functions based on ownership of the assets and becomes a portion of the total bundled service. The functions allocate to CenterPoint Houston Electric and are assigned a FERC depending on the service provided.
- d. The process to calculate and record the 'Compensation For Use of Capital' has not changed since 2017.

SPONSOR (PREPARER):

Michelle Townsend (Michelle Townsend)

RESPONSIVE DOCUMENTS:

GCCC01-09 Attachment 1.xlsx

**CenterPoint Energy Service Company, LLC
Compensation for Use of Capital Calculation****Total Service Company:**

Net Book Value Assets 12/31/2017*	115,021,629
Rate of Return	11.37%
Total Return	13,077,968

CenterPoint Houston Portion:

Allocation % to Houston Electric	59.54%
Total Return Allocated to Houston Electric 2018	7,786,463

*Net Book Value Estimate is calculated during the planning process using June 30, 2017 Net Book Value and adjusted for remaining 2017 depreciation and adjustments

CenterPoint Energy Service Company, LLC
Assets Used in Calculation

Asset Description	Estimated* Net Book Value as of 12/31/2017
GRP 773 Computer Equipment	5,000
GRP 773 Computer Equipment	2,535
GRP 762 COMPUTER EQUIPMENT	10,033
GRP 773 Mailing Equipment	5,903
IO 13061499 OSS - Bar Coding Software	5,686
GRP 773 STORES EQUIPMENT	530
GRP 773 COPY CENTER EQUIPMENT	68,956
Audio/Visual Equipment	9,514
GRP 773 COPY CENTER EQUIPMENT	15,580
Incident and Case Mgmt Software	35,378
GRP 773 COPY CENTER EQUIPMENT	7,485
Audio/Visual Equipment	4,693
Adobe Acrobat- Finance	96,241
2012 Check Print - Hardware/Sof	11,156
Electronic Security System	(75)
Folder, inserter	8,246
Windows 2008 Std Ed.	961
WAUSAU Server and Software Upgrade	33,785
WAUSAU Software Upgrade	49,650
Upgrade Bulk Import (Das/Remit)	101
Remittance Opex Model 72	16,427
Remittance Opex Upgrade	1,249
2017 Remit Processing Multi-function	5,075
2008 Educ/Training Prod Pak	922
Cap Replace Vinnet 2009	27,092
Printer, Color laser	30,764
Projector	248
Screen, Projector	(24)
2011 Financial Systems - Projector	255
2017 Fin Systm 125070-HP Laserjet Print	961
GRC - RM Software	(12,363)
2012 Financial Services - Copier	1,995
Printer, Laser Quality	457
2017 Financial Services - Copier	5,453
Financial Accounting Copier	1,164
2017 Financial Acctg -Surface Pro	1,916
2017 Assistant Controller - Office Equip	2,373
Income Tax Accrual System	324,052
2011 - Tax Provision Software	39,516
2009 Sales Tax Matrix	1,790,052
2012 Corporate Tax Scanner	(19)

Asset Description	Estimated* Net Book Value as of 12/31/2017
HP LASERJET ENT 600 M602X	845
2017 Property Accounting - ZBook	2,519
2017 Gas Cost Acctg-Varidesks	1,608
2017 Regulatory Reporting - HP Printer	1,951
2017 Regulatory Reporting - ZBook	4,992
2017 Electric Billing - Varidesk	536
2009 IT Replace Vinnett	104,008
Computer Hardware	3,779
Copier MP8001	1,951
Copier	48
Scanner; Fujitsu Fi-6670	1,175
Office Furniture	2,053
multifunction copier	1,410
IT Identity Management	722,250
IT SailPoint IIQ - Phase 3	556,272
AntiVirus/SCCM	304,713
EAI Technology Change	188,364
SCCM Phase 2	404,024
IT Systems Management	162,664
IT EAI Technology Change	368,056
IT Capital Projects Internal	184,969
Enterprise PM Initiative	250,674
IT Sensitive Data Management	232,829
IT Systems Management	269,171
SAP Archiving Solution	802,320
SAP ERP Upgrade	205,769
Internal Controls	413,628
IT Internal Controls	778,181
IronPort Refresh	246,670
Windows Server Refresh	438,972
SAP Modernization	2,777,962
IT BSS Purchasing & Logis	749,444
ISAS Upgrade	434,885
Codebase Modernization	90,253
Business Innovation Analytics	353,647
Data Replication Automation	555,445
Records Management	3,633,910
Corporate IT Backup Data	2,154,862
IT Systems & Utilities	113,613
IT Project Portfolio	599,032
IT Internal Controls	337,831
LAN Infrastructure	169,926
Filenet Upgrade to P8	1,601,571

Asset Description	Estimated* Net Book Value as of 12/31/2017
Contract Mgmt & Sourcing	2,067,842
VOIP Refresh	55,818
IT Systems Management	2,578,821
Filenet Monitoring System	266,373
Quest Migration	442,792
IBM ELA Software	65,652
SAP ERP Upgrade	86,098
Contract Management & Sourcing Soft.	1,605
Duet Licensing (SAP)	38,739
SAP Software	25,695
SAP ERP Software	2,855,719
Enterprise Web Content Mgmt Software	997
Tivoli Software	83,825
Disaster Recovery - Remitt Processing	580
Rumba Software	41,278
Microsoft Initiative software	287,217
Genesys upgrade	11,144
Report Distribution Software	109,515
Microsoft Initiative software	146,085
Microsoft Initiative software	32,522
UB2-UDB Tools Software	4,277
IBM ELA Software	188,423
IBM Enhancement Software	54,110
SAP Contract Management	2,192,290
SAP ERP Upgrade	181,864
Sailpoint Software	200,402
2009 DB2 z/OS Replatform	997
2009 CNP.COM Failover Site	19,900
Bus Mandatory Teamconnect Wndws Auth	9,125
Riskmaster X Server Upgrade	960
SAP Production Support	194
SAP SQL Landscape	3,929
2009 Teamconnect Integ. w/ Filenet	15,824
2010 Team Connect Data Whouse Imp-Lega	8,477
2008 SAP Archiving Solution	10,636
2008 Energy Audit and Bill Analysis	27,158
IT Client Sppt Ctr Refurb	9,897
2010 - Data Modeling Services	847,352
2010 IT Microsoft Software	55,341
Records Management System - Cap	1,483,244
2009 Filenet Upgrade to P8	473,595
2009 Sailpoint IIQ - Phase 1	520,878
BI/BW Upgrade	1,018,070

Asset Description	Estimated* Net Book Value as of 12/31/2017
SAP BO Foundation	232,202
Unicode Upgrade Project (BI)	127,903
2011 SAP Testing Strategy	115,871
2010 Internal Controls Compliance	70,036
2010 IBM ELA	657,135
2010 System Management	563,297
2010 Microsoft Initiative	462,761
2010 RPM - Resource/Portfolio Manageme	405,078
2010 Contract Management & Sourcing Sf	293,645
TEO Implementation	109,807
Project Portfolio Mgmnt Enhancements	120,519
2011 IT Microsoft Software	84,808
IT Technology Transformation Project	764,691
2011- Enterprise Enabler Virtuoso	279,779
SAP Mobile Platform	711,812
SAS Software	299,620
2008 Buy Right-Pay Right	503,044
BI Proof Concept Re-platform DB2 - SQL	58,689
2010 Telephone Infrastructure Software	6,131
2010 Systems & Utilities Support Softw	18,304
2010 Sensitive Data Management Softw	225,992
2010 Database Environment Software	6,824
2011 Sailpoint IIQ - Phase 2 Software	513,844
2012 IT Microsoft Software	489,753
2012 IT - IBM ELA	274,277
Job Scheduler	11,273
IBM ELA	215,735
Automated Provision of DB Accts	388,658
Database Environment	1,381,684
Storage Capacity	295,577
Network Infrastructure Support	4,173
VOIP Refresh	38,613
IT Internet ReDesign v2.0	1,037,784
Unix Infrastructure	32,240
IT Systems & Utilities Support	93,553
IT Sensitive Data Management	203,781
IT Project Portfolio Management	411,105
Microsoft Software	693,369
SAP Testing Strategy	575,271
Legal Capital Pro	101,300
Human Resource Cap	446,281
SAP EhP6 Upgrade	578,983
Enterprise Outage Management	274,731

Asset Description	Estimated* Net Book Value as of 12/31/2017
Common Authentication	3,523,416
Premise Equipment Barcoding	179,561
Mainframe Legacy Consolidation	559,777
Release Management	401,945
SAP HANA Strategy	5,703,026
Internet Redesign	2,806,188
BW Content Conversion to HANA	184,616
IT Sensitive Data Mgmt	390,492
Technology Rationalization	719,583
Mailstream Plus/Finalist Conversion	767,207
ITSM Program	1,034,001
Innovate Data	8,188,121
Employee Recognition	470,259
2016 New Software assets not yet unitized - est	29,769,293
Group Asset: Transportation Equipment-System Wide	1,239
Group Asset: Transportation Equip - System Wide	9,946
Group Asset: Transportation Equipment-System Wide	33,836
Telephone infrastructure equipment	603,141
SEC - Galaxy Card Access Austin 2011	1,221
Telephone System - VOIP	2,558,166
2012 IT - PBX Unified Communications U	119,163
Telephone Infrastructure Equipment	36,006
2014 Storage Capacity	295,407
2014 Telephone Infrastructure Equipment	37,231
2014 Infrastructure Test Lab	15,808
2014 Network Refresh Project	789,400
lan hardware	41,370
STORAGE	27,394
SERVERS	419,013
storage	3,091
computer hardware - system	1,540,735
servers	1,035
computer hardware - system	22,943
SERVERS	470,606
SERVERS	39,430
Storage	9,628
Servers	14,510
Servers	13,774
Servers	11,399
2014 PC Replacement	410,763
computer hardware - system	101,219
2015 PC Replacement	229,020
computer hardware - system	29,690

Asset Description	Estimated* Net Book Value as of 12/31/2017
LAPTOP PC	9,439
MC-PRINTER, LASER QUALITY	953
LASER PRINTER, COLOR	62
IO 13072924 Operations Analytic	392
PC, Tablet	3,258
Server	457
Automated Mapping System	162,944
Repository Storage System	629,433
Network Refresh - Hardware	98,857
LOCAL AREA NETWORK (LAN)	94,760
Local Area/Wide Area Netw	95,692
computer hardware	24,349
computer hardware	30,881
computer hardware	11,815
computer hardware	17,316
computer hardware	5,976
STORAGE	397,403
2010 Wireless Network Solutions	6,521
2010 Database Environment	17,188
LAN HARDWARE	85,766
Cust Svc - Business Continuity Process	23,927
2010 SAP ERP Unicode Conversion - Cap	21,021
2011 Sailpoint IIQ - Phase 2	16,631
STORAGE	181,643
Hardware	5,839
Hardware	37,564
SERVERS	198,603
STORAGE	43,519
STORAGE	289,553
Network Communication System	18,188
NETWORK HARDWARE	173,091
NETWORK HARDWARE	58,924
NETWORK HARDWARE	186,652
Refresh Transmission	56,979
2010 Lab Virtualization	4,604
e-Recruitment Functional Upgrade	3,058
0435 Computer Equipment	10,926
Computer Equipment	77,476
Computer hardware	21,543
COMP HW	8,613
Computer, Laptop	1,154
Hardware	95,545
2016 CWIP HARDWARE NOT YET UNITIZED	28,433,840