

Liberty Utilities Energy Corporation
 2022-2023 Design Day and RFP Plan Summary
 File Last Updated: November 28, 2022

Planned Volumes

Design Day Summary and Deliverable Capacity

Load Study:	Quilin, MO	Forecasted Design Day DTH	
Weather Station Location:	Poplar Bluff, MO	Forecasted DTH:	146
Weather Station Code:	KPOF	S.E. of Regression:	5
Data Sample:	1/1/2020 to 3/31/2022	S.E. 95% Adjustment	10
HDD Selection Method:	Coldest Day Since 1970	3rd Party Obligations DTH:	0
		Total Forecasted DTH:	162
Design Day Weather		Reserve Margin Summary	
	Date	HDD	
Coldest HDD on Record:	1/21/1985	69	424
HDD of Prior Day:	1/20/1985	54.5	
		Final Deliverable Capacity DTH:	424
		Reserve Capacity DTH:	262
		Reserve Capacity %:	162.51%

Summary of Final Delivery Capacity			
Pipeline	Contract # & Description	MDQ DTH	Notes
Tetco	CDS 910962 (was 820017)	424	Capacity for this area will be part of the Tetco CDS contract for SEMO study.
Total Capacity		424	

Summary of Upstream Storage and Storage Capacity			
Pipeline	Contract # & Description	MDQ DTH	Notes
Total Upstream and Storage Capacity		-	

Firm Sales Customers											
Month	Year	Normal Weather		10% Colder		10% Warmer		20% Colder		20% Warmer	
		HDD	DTH	HDD	DTH	HDD	DTH	HDD	DTH	HDD	DTH
January	2023	894	1,899	984	2,100	805	1,697	1,073	2,302	715	1,496
February	2023	689	1,530	758	1,687	620	1,374	827	1,843	551	1,218
March	2023	509	949	559	1,050	458	859	610	1,159	407	786
April	2023	213	462	234	471	191	453	255	480	170	445
May	2023	51	230	56	232	46	229	61	234	41	227
June	2023	1	79	1	79	1	79	1	79	1	79
July	2023	0	55	0	55	0	55	0	55	0	55
August	2023	0	58	0	58	0	58	0	58	0	58
September	2023	25	59	28	61	23	58	30	62	20	57
October	2023	213	155	234	165	191	144	255	175	170	134
November	2022	531	877	584	980	478	783	637	1,090	425	703
December	2022	809	1,550	890	1,732	728	1,369	971	1,913	647	1,188
Firm Winter DTH		3,432	6,806	3,775	7,549	3,089	6,083	4,118	8,307	2,746	5,390
Firm Annual DTH		3,934	7,904	4,328	8,670	3,541	7,160	4,721	9,450	3,147	6,444

Interruptible Sales Customers											
Month	Year	Normal Weather		10% Colder		10% Warmer		20% Colder		20% Warmer	
		HDD	DTH	HDD	DTH	HDD	DTH	HDD	DTH	HDD	DTH
January	2023	894	0	984	0	805	0	1,073	0	715	0
February	2023	689	0	758	0	620	0	827	0	551	0
March	2023	509	0	559	0	458	0	610	0	407	0
April	2023	213	0	234	0	191	0	255	0	170	0
May	2023	51	0	56	0	46	0	61	0	41	0
June	2023	1	0	1	0	1	0	1	0	1	0
July	2023	0	0	0	0	0	0	0	0	0	0
August	2023	0	0	0	0	0	0	0	0	0	0
September	2023	25	0	28	0	23	0	30	0	20	0
October	2023	213	0	234	0	191	0	255	0	170	0
November	2022	531	0	584	0	478	0	637	0	425	0
December	2022	809	0	890	0	728	0	971	0	647	0
INT Winter DTH		3,432	0	3,775	0	3,089	0	4,118	0	2,746	0
INT Annual DTH		3,934	0	4,328	0	3,541	0	4,721	0	3,147	0
Total Winter DTH		3,432	6,806	3,775	7,549	3,089	6,083	4,118	8,307	2,746	5,390
Total Annual DTH		3,934	7,904	4,328	8,670	3,541	7,160	4,721	9,450	3,147	6,444

April	462	480	445
May	230	234	227
June	79	79	79
July	55	55	55
August	58	58	58
September	59	62	57
October	155	175	134
November	877	1,090	703
December	1,550	1,913	1,188
January	1,899	2,302	1,496
February	1,530	1,843	1,218
March	949	1,159	786
	7,904	9,450	6,444

W/ Firm DTH(-1) Model				
Dependent Variable: QULIN_FIRM				
Method: Least Squares				
Date: 11/28/22 Time: 10:56				
Sample: 1/01/2020 3/31/2022				
Included observations: 821				
HAC standard errors & covariance (Bartlett kernel, Newey-West fixed bandwidth = 7.0000)				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
QULIN_EDD_BLENDED	1.0120	0.0912	11.0971	0.0000
QULIN_EDD50_BLENDED	0.6410	0.0990	6.4722	0.0000
QULIN_EDD_BLENDED(-1)	-0.7469	0.0875	-8.5357	0.0000
QULIN_FIRM(-1)	0.5978	0.0513	11.6591	0.0000
MONTH12	4.8322	1.1302	4.2756	0.0000
MONTH02	7.8335	1.4208	5.5134	0.0000
MONTH01	6.8475	1.3752	4.9792	0.0000
MONTH03	5.0353	1.0255	4.9100	0.0000
MONTH11	4.0971	2.0215	2.0267	0.0430
WEEKDAY01	1.2285	0.4491	2.7357	0.0064
WEEKDAY02	-0.1175	0.4941	-0.2379	0.8120
WEEKDAY03	1.5161	0.4266	3.5535	0.0004
WEEKDAY04	2.3495	0.4487	5.2359	0.0000
WEEKDAY05	1.5970	0.6149	2.5972	0.0096
WEEKDAY06	1.5261	0.4383	3.4822	0.0005
WEEKDAY07	1.5911	0.5238	3.0375	0.0025
R-squared	0.9649	Mean dependent var	25.45067	
Adjusted R-squared	0.9642	S.D. dependent var	27.16367	
S.E. of regression	5.1379	Akaike info criterion	6.130446	
Sum squared resid	21250.0615	Schwarz criterion	6.222247	
Log likelihood	-2500.5480	Hannan-Quinn criter.	6.165668	
Durbin-Watson stat	1.8325			

W/O Firm DTH(-1) Model				
Dependent Variable: QULIN_FIRM				
Method: Least Squares				
Date: 11/28/22 Time: 10:56				
Sample: 1/01/2020 3/31/2022				
Included observations: 821				
HAC standard errors & covariance (Bartlett kernel, Newey-West fixed bandwidth = 7.0000)				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
QULIN_EDD_BLENDED	0.7275	0.1474	4.9361	0.0000
QULIN_EDD50_BLENDED	1.1537	0.1922	6.0018	0.0000
QULIN_EDD_BLENDED(-1)	0.1828	0.0442	4.1398	0.0000
MONTH12	9.5533	2.2849	4.1811	0.0000
MONTH02	19.2875	2.6706	7.2221	0.0000
MONTH01	16.2711	2.6541	6.1307	0.0000
MONTH03	11.3064	1.9814	5.7062	0.0000
MONTH11	8.0985	4.4537	1.8184	0.0694
WEEKDAY01	3.1203	0.6260	4.9844	0.0000
WEEKDAY02	1.5649	0.6292	2.4869	0.0131
WEEKDAY03	2.3317	0.5483	4.2525	0.0000
WEEKDAY04	3.5458	0.5231	6.7785	0.0000
WEEKDAY05	3.3539	0.6301	5.3231	0.0000
WEEKDAY06	3.2023	0.6365	5.0314	0.0000
WEEKDAY07	3.4441	0.7123	4.8355	0.0000
R-squared	0.9409	Mean dependent var	25.45067	
Adjusted R-squared	0.9399	S.D. dependent var	27.16367	
S.E. of regression	6.6589	Akaike info criterion	6.647878	
Sum squared resid	35738.4773	Schwarz criterion	6.733941	
Log likelihood	-2713.9539	Hannan-Quinn criter.	6.680899	
Durbin-Watson stat	0.6950			

Design Day DTH Calculations	
Design Day Date	HDD
1/21/1985	69
1/20/1985	54.5
Is HDD(-2) Known?	NO
N/A	54.5
Calendar Load	10.18
Weather Load	63.73
DTH Lag Load	72.40
Total Forecasted DTH	146.31
DTH(-1) Calculations	
NO DTH	
Calendar Load	22.83
Weather Load	95.19
Total Forecast DTH	118.02
DTH LRV method	
Calendar Load	10.18
Weather Load	39.76
Total Forecast DTH	124.19

HDD50 54
39.5

Dependent Variable: QULIN_FIRM
Method: Least Squares
Date: 11/28/22 Time: 11:25
Sample (adjusted): 11/02/2018 3/31/2019 11/01/2019 3/31/2020 11/01/2020 3/31/2021 11/01/2021 3/31/2022
Included observations: 604 after adjustments
HAC standard errors & covariance (Bartlett kernel, Newey-West fixed bandwidth = 6.0000)

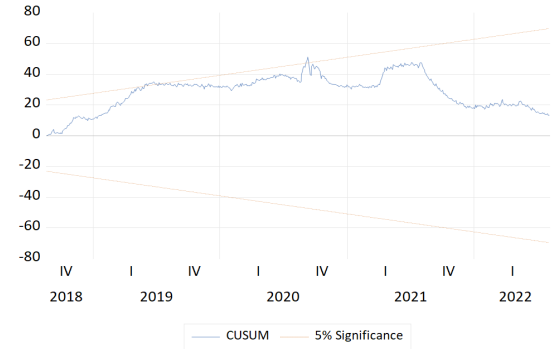
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.81	8.62E-01	0.935313343	0.350003118
QULIN_HDD	1.70507	0.06293	27.09546	0.00000
QULIN_HDD(-1)	-0.98605	0.09178	-10.74341	0.00000
QULIN_FIRM(-1)	0.65039	0.04629	14.04909	0.00000
R-squared	0.90631	Mean dependent var		48.43874
Adjusted R-squared	0.90585	S.D. dependent var		23.23843
S.E. of regression	7.13062	Akaike info criterion		6.77327
Sum squared resid	30507.43610	Schwarz criterion		6.80244
Log likelihood	-2041.52864	Hannan-Quinn criter.		6.78462
F-statistic	1934.78925	Durbin-Watson stat		2.03082
Prob(F-statistic)	0.00000	Wald F-statistic		1175.89866
Prob(Wald F-statistic)	0.00000			

Note: Due to the limited sample size, the sample was not truncated.

Quandt-Andrews unknown breakpoint test
Null Hypothesis: No breakpoints within 10% trimmed data
Equation Sample: 11/02/2018 3/31/2019 11/01/2019 3/31/2020 11/01/2020 3/31/2021 11/01/2021 3/31/2022
Test Sample: 1/02/2019 1/30/2022
Number of breaks compared: 483

Statistic	Value	Prob.
Maximum LR F-statistic (3/05/2020)	7.457279	0.00020
Exp LR F-statistic	1.859597	0.00575
Ave LR F-statistic	2.575625	0.00544

Note: probabilities calculated using Hansen's (1997) method
WARNING: estimation sample is non-continuous (probabilities calculated assuming a continuous sample)



Dependent Variable: QULIN_FIRM
Method: Least Squares
Date: 11/28/22 Time: 11:26
Sample: 1/01/2020 3/31/2020 11/01/2020 3/31/2021 11/01/2021 3/31/2022
Included observations: 393
HAC standard errors & covariance (Bartlett kernel, Newey-West fixed bandwidth = 6.0000)

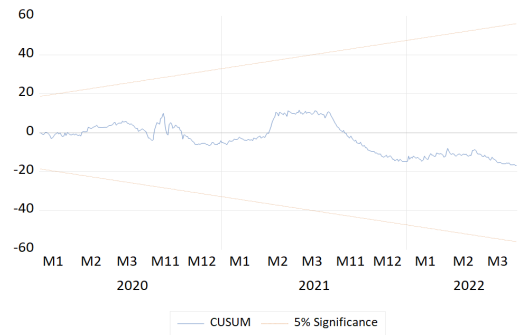
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.92	1.08E+00	0.851130637	0.395220409
QULIN_HDD	1.61104	0.08072	19.95798	0.00000
QULIN_HDD(-1)	-0.94931	0.10847	-8.75174	0.00000
QULIN_FIRM(-1)	0.67187	0.05581	12.03938	0.00000
R-squared	0.902785247	Mean dependent var		46.88804071
Adjusted R-squared	0.90204	S.D. dependent var		24.59929
S.E. of regression	7.68940	Akaike info criterion		6.93029
Sum squared resid	23060.22149	Schwarz criterion		6.97073
Log likelihood	-1357.80161	Hannan-Quinn criter.		6.94632
F-statistic	1204.15009	Durbin-Watson stat		1.97006
Prob(F-statistic)	0.00000	Wald F-statistic		688.96521
Prob(Wald F-statistic)	0.00000			

Note: Due to the limited sample size, the sample was not truncated.

Quandt-Andrews unknown breakpoint test
Null Hypothesis: No breakpoints within 10% trimmed data
Equation Sample: 1/01/2020 3/31/2020 11/01/2020 3/31/2021 11/01/2021 3/31/2022
Test Sample: 2/10/2020 2/20/2022
Number of breaks compared: 314

Statistic	Value	Prob.
Maximum LR F-statistic (3/05/2020)	5.015949	0.013852665
Exp LR F-statistic	1.406951	0.033154152
Ave LR F-statistic	2.334972	0.01134238

Note: probabilities calculated using Hansen's (1997) method
WARNING: estimation sample is non-continuous (probabilities calculated assuming a continuous sample)



<u>Gas Day</u>	Qulin <u>EDD</u>	Qulin <u>Dth</u>
1/1/2020	20	43
1/2/2020	16	32
1/3/2020	21	42
1/4/2020	30	66
1/5/2020	23	50
1/6/2020	26	53
1/7/2020	25	51
1/8/2020	21	44
1/9/2020	10	28
1/10/2020	8	17
1/11/2020	31	54
1/12/2020	30	56
1/13/2020	26	48
1/14/2020	19	31
1/15/2020	18	36
1/16/2020	34	68
1/17/2020	26	60
1/18/2020	28	63
1/19/2020	43	93
1/20/2020	44	92
1/21/2020	38	88
1/22/2020	33	70
1/23/2020	29	57
1/24/2020	29	59
1/25/2020	26	67
1/26/2020	23	44
1/27/2020	26	65
1/28/2020	34	65
1/29/2020	32	62
1/30/2020	27	57
1/31/2020	21	48
2/1/2020	22	47
2/2/2020	13	25
2/3/2020	6	15
2/4/2020	25	42
2/5/2020	33	61
2/6/2020	36	74
2/7/2020	31	61
2/8/2020	25	67
2/9/2020	12	35
2/10/2020	30	56
2/11/2020	26	55
2/12/2020	28	59
2/13/2020	44	101
2/14/2020	42	94

<u>Gas Day</u>	<u>EDD</u>	<u>Dth</u>
2/15/2020	26	58
2/16/2020	18	40
2/17/2020	12	29
2/18/2020	30	61
2/19/2020	27	56
2/20/2020	38	80
2/21/2020	37	73
2/22/2020	25	54
2/23/2020	21	41
2/24/2020	17	35
2/25/2020	26	52
2/26/2020	35	73
2/27/2020	26	55
2/28/2020	26	57
2/29/2020	24	54
3/1/2020	10	27
3/2/2020	7	17
3/3/2020	15	31
3/4/2020	16	37
3/5/2020	14	36
3/6/2020	24	53
3/7/2020	23	39
3/8/2020	8	24
3/9/2020	7	18
3/10/2020	19	39
3/11/2020	11	27
3/12/2020	6	23
3/13/2020	21	38
3/14/2020	26	52
3/15/2020	26	54
3/16/2020	22	42
3/17/2020	14	29
3/18/2020	9	19
3/19/2020	0	8
3/20/2020	20	32
3/21/2020	24	46
3/22/2020	21	39
3/23/2020	16	28
3/24/2020	17	36
3/25/2020	16	22
3/26/2020	0	6
3/27/2020	0	5
3/28/2020	1	6
3/29/2020	7	14
3/30/2020	9	14
3/31/2020	13	25

<u>Gas Day</u>	<u>EDD</u>	<u>Dth</u>
4/1/2020	12	24
4/2/2020	5	14
4/3/2020	7	10
4/4/2020	15	26
4/5/2020	8	21
4/6/2020	0	8
4/7/2020	0	5
4/8/2020	1	6
4/9/2020	12	23
4/10/2020	18	30
4/11/2020	6	19
4/12/2020	13	21
4/13/2020	20	34
4/14/2020	22	41
4/15/2020	16	37
4/16/2020	10	22
4/17/2020	18	37
4/18/2020	15	26
4/19/2020	11	21
4/20/2020	5	9
4/21/2020	7	17
4/22/2020	9	14
4/23/2020	9	16
4/24/2020	2	7
4/25/2020	14	18
4/26/2020	7	22
4/27/2020	2	9
4/28/2020	1	6
4/29/2020	9	15
4/30/2020	6	15
5/1/2020	0	6
5/2/2020	0	4
5/3/2020	1	5
5/4/2020	3	6
5/5/2020	4	11
5/6/2020	9	17
5/7/2020	5	9
5/8/2020	14	25
5/9/2020	10	17
5/10/2020	10	18
5/11/2020	13	17
5/12/2020	15	18
5/13/2020	3	13
5/14/2020	0	4
5/15/2020	0	5
5/16/2020	0	4

<u>Gas Day</u>	<u>EDD</u>	<u>Dth</u>
5/17/2020	1	4
5/18/2020	3	6
5/19/2020	1	8
5/20/2020	1	7
5/21/2020	0	5
5/22/2020	0	4
5/23/2020	0	4
5/24/2020	0	3
5/25/2020	0	3
5/26/2020	0	3
5/27/2020	0	4
5/28/2020	0	4
5/29/2020	0	4
5/30/2020	0	4
5/31/2020	0	4
6/1/2020	0	3
6/2/2020	0	3
6/3/2020	0	3
6/4/2020	0	4
6/5/2020	0	4
6/6/2020	0	3
6/7/2020	0	3
6/8/2020	0	3
6/9/2020	0	3
6/10/2020	0	4
6/11/2020	0	4
6/12/2020	0	4
6/13/2020	0	4
6/14/2020	0	4
6/15/2020	0	4
6/16/2020	0	4
6/17/2020	0	4
6/18/2020	0	4
6/19/2020	0	5
6/20/2020	0	4
6/21/2020	0	4
6/22/2020	0	4
6/23/2020	0	4
6/24/2020	0	4
6/25/2020	0	4
6/26/2020	0	4
6/27/2020	0	4
6/28/2020	0	4
6/29/2020	0	3
6/30/2020	0	4
7/1/2020	0	4

<u>Gas Day</u>	<u>EDD</u>	<u>Dth</u>
7/2/2020	0	4
7/3/2020	0	5
7/4/2020	0	4
7/5/2020	0	3
7/6/2020	0	3
7/7/2020	0	4
7/8/2020	0	4
7/9/2020	0	4
7/10/2020	0	4
7/11/2020	0	4
7/12/2020	0	4
7/13/2020	0	3
7/14/2020	0	4
7/15/2020	0	4
7/16/2020	0	4
7/17/2020	0	4
7/18/2020	0	4
7/19/2020	0	3
7/20/2020	0	3
7/21/2020	0	3
7/22/2020	0	4
7/23/2020	0	4
7/24/2020	0	4
7/25/2020	0	4
7/26/2020	0	3
7/27/2020	0	3
7/28/2020	0	3
7/29/2020	0	3
7/30/2020	0	4
7/31/2020	0	4
8/1/2020	0	4
8/2/2020	0	3
8/3/2020	0	3
8/4/2020	0	3
8/5/2020	0	4
8/6/2020	0	4
8/7/2020	0	4
8/8/2020	0	3
8/9/2020	0	4
8/10/2020	0	3
8/11/2020	0	4
8/12/2020	0	4
8/13/2020	0	4
8/14/2020	0	4
8/15/2020	0	4
8/16/2020	0	3

<u>Gas Day</u>	<u>EDD</u>	<u>Dth</u>
8/17/2020	0	4
8/18/2020	0	3
8/19/2020	0	3
8/20/2020	0	4
8/21/2020	0	4
8/22/2020	0	4
8/23/2020	0	3
8/24/2020	0	3
8/25/2020	0	3
8/26/2020	0	3
8/27/2020	0	3
8/28/2020	0	3
8/29/2020	0	4
8/30/2020	0	4
8/31/2020	0	3
9/1/2020	0	4
9/2/2020	0	4
9/3/2020	0	4
9/4/2020	0	4
9/5/2020	0	4
9/6/2020	0	3
9/7/2020	0	5
9/8/2020	0	4
9/9/2020	0	4
9/10/2020	0	4
9/11/2020	0	4
9/12/2020	0	4
9/13/2020	0	4
9/14/2020	0	4
9/15/2020	0	4
9/16/2020	0	4
9/17/2020	0	4
9/18/2020	4	4
9/19/2020	5	4
9/20/2020	3	5
9/21/2020	3	4
9/22/2020	3	5
9/23/2020	4	5
9/24/2020	3	6
9/25/2020	0	4
9/26/2020	1	4
9/27/2020	1	4
9/28/2020	7	5
9/29/2020	8	6
9/30/2020	5	5
10/1/2020	11	7

<u>Gas Day</u>	<u>EDD</u>	<u>Dth</u>
10/2/2020	13	7
10/3/2020	8	7
10/4/2020	16	11
10/5/2020	14	10
10/6/2020	5	7
10/7/2020	3	5
10/8/2020	4	5
10/9/2020	0	5
10/10/2020	0	5
10/11/2020	0	4
10/12/2020	9	5
10/13/2020	9	8
10/14/2020	3	5
10/15/2020	16	11
10/16/2020	17	13
10/17/2020	4	10
10/18/2020	10	9
10/19/2020	16	2
10/20/2020	9	0
10/21/2020	2	0
10/22/2020	0	0
10/23/2020	14	0
10/24/2020	18	15
10/25/2020	15	22
10/26/2020	22	28
10/27/2020	23	16
10/28/2020	17	0
10/29/2020	24	0
10/30/2020	20	0
10/31/2020	15	0
11/1/2020	23	27
11/2/2020	21	21
11/3/2020	12	19
11/4/2020	11	16
11/5/2020	12	18
11/6/2020	11	23
11/7/2020	2	38
11/8/2020	0	44
11/9/2020	0	42
11/10/2020	6	32
11/11/2020	19	49
11/12/2020	14	62
11/13/2020	18	60
11/14/2020	6	53
11/15/2020	20	49
11/16/2020	17	0

<u>Gas Day</u>	<u>EDD</u>	<u>Dth</u>
11/17/2020	23	0
11/18/2020	16	0
11/19/2020	8	40
11/20/2020	6	40
11/21/2020	15	40
11/22/2020	26	40
11/23/2020	20	40
11/24/2020	14	40
11/25/2020	16	40
11/26/2020	21	40
11/27/2020	20	40
11/28/2020	27	40
11/29/2020	26	40
11/30/2020	36	28
12/1/2020	34	56
12/2/2020	25	48
12/3/2020	25	44
12/4/2020	25	47
12/5/2020	24	39
12/6/2020	25	45
12/7/2020	29	48
12/8/2020	27	44
12/9/2020	20	33
12/10/2020	15	22
12/11/2020	11	21
12/12/2020	24	41
12/13/2020	32	57
12/14/2020	34	59
12/15/2020	34	64
12/16/2020	38	71
12/17/2020	36	70
12/18/2020	26	53
12/19/2020	24	48
12/20/2020	26	50
12/21/2020	20	39
12/22/2020	18	36
12/23/2020	27	51
12/24/2020	45	84
12/25/2020	41	79
12/26/2020	28	53
12/27/2020	19	40
12/28/2020	30	54
12/29/2020	25	54
12/30/2020	28	54
12/31/2020	35	74
1/1/2021	27	54

<u>Gas Day</u>	<u>EDD</u>	<u>Dth</u>
1/2/2021	32	60
1/3/2021	31	59
1/4/2021	25	48
1/5/2021	28	49
1/6/2021	28	59
1/7/2021	35	72
1/8/2021	32	65
1/9/2021	34	66
1/10/2021	36	71
1/11/2021	39	83
1/12/2021	33	67
1/13/2021	27	56
1/14/2021	25	54
1/15/2021	32	69
1/16/2021	30	61
1/17/2021	27	54
1/18/2021	22	46
1/19/2021	26	47
1/20/2021	26	49
1/21/2021	24	46
1/22/2021	33	62
1/23/2021	28	55
1/24/2021	25	48
1/25/2021	22	48
1/26/2021	27	49
1/27/2021	37	76
1/28/2021	35	70
1/29/2021	28	56
1/30/2021	19	48
1/31/2021	32	66
2/1/2021	34	69
2/2/2021	32	58
2/3/2021	27	56
2/4/2021	31	62
2/5/2021	29	54
2/6/2021	39	80
2/7/2021	45	93
2/8/2021	38	76
2/9/2021	44	99
2/10/2021	47	108
2/11/2021	48	116
2/12/2021	51	124
2/13/2021	59	130
2/14/2021	65	147
2/15/2021	67	142
2/16/2021	58	117

<u>Gas Day</u>	<u>EDD</u>	<u>Dth</u>
2/17/2021	50	118
2/18/2021	49	110
2/19/2021	50	106
2/20/2021	43	91
2/21/2021	26	68
2/22/2021	25	57
2/23/2021	17	35
2/24/2021	16	57
2/25/2021	23	57
2/26/2021	24	54
2/27/2021	13	31
2/28/2021	13	31
3/1/2021	27	53
3/2/2021	24	46
3/3/2021	16	43
3/4/2021	13	32
3/5/2021	27	63
3/6/2021	23	45
3/7/2021	17	38
3/8/2021	16	30
3/9/2021	6	23
3/10/2021	0	18
3/11/2021	7	15
3/12/2021	16	34
3/13/2021	14	30
3/14/2021	14	31
3/15/2021	11	21
3/16/2021	6	18
3/17/2021	8	24
3/18/2021	25	54
3/19/2021	22	48
3/20/2021	16	31
3/21/2021	14	24
3/22/2021	5	17
3/23/2021	8	19
3/24/2021	6	15
3/25/2021	12	23
3/26/2021	11	12
3/27/2021	3	10
3/28/2021	18	48
3/29/2021	10	34
3/30/2021	9	25
3/31/2021	21	35
4/1/2021	27	40
4/2/2021	23	34
4/3/2021	13	23

<u>Gas Day</u>	<u>EDD</u>	<u>Dth</u>
4/4/2021	7	15
4/5/2021	3	11
4/6/2021	0	9
4/7/2021	4	10
4/8/2021	9	15
4/9/2021	0	9
4/10/2021	8	16
4/11/2021	5	13
4/12/2021	3	9
4/13/2021	8	13
4/14/2021	11	16
4/15/2021	13	17
4/16/2021	10	16
4/17/2021	15	19
4/18/2021	15	17
4/19/2021	9	17
4/20/2021	28	36
4/21/2021	20	30
4/22/2021	15	22
4/23/2021	7	17
4/24/2021	14	21
4/25/2021	6	12
4/26/2021	0	9
4/27/2021	0	8
4/28/2021	0	8
4/29/2021	2	9
4/30/2021	2	8
5/1/2021	0	8
5/2/2021	1	9
5/3/2021	0	8
5/4/2021	8	10
5/5/2021	6	14
5/6/2021	6	14
5/7/2021	1	9
5/8/2021	1	11
5/9/2021	11	11
5/10/2021	12	14
5/11/2021	8	12
5/12/2021	11	13
5/13/2021	9	11
5/14/2021	7	8
5/15/2021	2	7
5/16/2021	0	10
5/17/2021	0	8
5/18/2021	0	8
5/19/2021	0	5

<u>Gas Day</u>	<u>EDD</u>	<u>Dth</u>
5/20/2021	0	4
5/21/2021	0	4
5/22/2021	0	4
5/23/2021	0	3
5/24/2021	0	3
5/25/2021	0	4
5/26/2021	0	3
5/27/2021	0	4
5/28/2021	6	8
5/29/2021	12	10
5/30/2021	5	6
5/31/2021	0	5
6/1/2021	2	7
6/2/2021	0	3
6/3/2021	0	3
6/4/2021	0	3
6/5/2021	0	3
6/6/2021	0	3
6/7/2021	0	3
6/8/2021	0	3
6/9/2021	0	3
6/10/2021	0	3
6/11/2021	0	1
6/12/2021	0	0
6/13/2021	0	0
6/14/2021	0	0
6/15/2021	0	0
6/16/2021	0	1
6/17/2021	0	0
6/18/2021	0	0
6/19/2021	0	0
6/20/2021	0	0
6/21/2021	1	2
6/22/2021	2	1
6/23/2021	0	0
6/24/2021	0	0
6/25/2021	0	0
6/26/2021	0	0
6/27/2021	0	0
6/28/2021	0	0
6/29/2021	0	0
6/30/2021	0	0
7/1/2021	0	0
7/2/2021	0	0
7/3/2021	0	0
7/4/2021	0	0

<u>Gas Day</u>	<u>EDD</u>	<u>Dth</u>
7/5/2021	0	0
7/6/2021	0	0
7/7/2021	0	0
7/8/2021	0	0
7/9/2021	0	0
7/10/2021	0	0
7/11/2021	0	0
7/12/2021	0	0
7/13/2021	0	0
7/14/2021	0	0
7/15/2021	0	0
7/16/2021	0	0
7/17/2021	0	0
7/18/2021	0	0
7/19/2021	0	0
7/20/2021	0	0
7/21/2021	0	0
7/22/2021	0	0
7/23/2021	0	0
7/24/2021	0	0
7/25/2021	0	0
7/26/2021	0	0
7/27/2021	0	0
7/28/2021	0	0
7/29/2021	0	0
7/30/2021	0	0
7/31/2021	0	0
8/1/2021	0	0
8/2/2021	0	0
8/3/2021	0	0
8/4/2021	0	0
8/5/2021	0	0
8/6/2021	0	0
8/7/2021	0	0
8/8/2021	0	0
8/9/2021	0	0
8/10/2021	0	0
8/11/2021	0	0
8/12/2021	0	0
8/13/2021	0	0
8/14/2021	0	0
8/15/2021	0	0
8/16/2021	0	0
8/17/2021	0	0
8/18/2021	0	0
8/19/2021	0	0

<u>Gas Day</u>	<u>EDD</u>	<u>Dth</u>
8/20/2021	0	0
8/21/2021	0	0
8/22/2021	0	0
8/23/2021	0	0
8/24/2021	0	0
8/25/2021	0	0
8/26/2021	0	0
8/27/2021	0	0
8/28/2021	0	0
8/29/2021	0	0
8/30/2021	0	0
8/31/2021	0	0
9/1/2021	0	0
9/2/2021	0	0
9/3/2021	0	0
9/4/2021	0	0
9/5/2021	0	0
9/6/2021	0	0
9/7/2021	0	0
9/8/2021	0	0
9/9/2021	2	0
9/10/2021	0	0
9/11/2021	0	0
9/12/2021	0	0
9/13/2021	0	0
9/14/2021	0	0
9/15/2021	0	0
9/16/2021	0	0
9/17/2021	0	0
9/18/2021	0	0
9/19/2021	0	0
9/20/2021	0	0
9/21/2021	3	0
9/22/2021	7	0
9/23/2021	8	0
9/24/2021	2	0
9/25/2021	7	0
9/26/2021	1	0
9/27/2021	2	0
9/28/2021	0	0
9/29/2021	0	0
9/30/2021	0	0
10/1/2021	0	5
10/2/2021	0	5
10/3/2021	0	5
10/4/2021	1	7

<u>Gas Day</u>	<u>EDD</u>	<u>Dth</u>
10/5/2021	0	7
10/6/2021	0	6
10/7/2021	0	4
10/8/2021	0	3
10/9/2021	0	3
10/10/2021	0	2
10/11/2021	2	4
10/12/2021	0	3
10/13/2021	0	4
10/14/2021	0	4
10/15/2021	9	4
10/16/2021	14	5
10/17/2021	12	6
10/18/2021	12	6
10/19/2021	8	6
10/20/2021	1	4
10/21/2021	10	6
10/22/2021	10	6
10/23/2021	5	6
10/24/2021	0	4
10/25/2021	12	7
10/26/2021	11	8
10/27/2021	5	7
10/28/2021	10	9
10/29/2021	11	12
10/30/2021	13	11
10/31/2021	14	11
11/1/2021	19	20
11/2/2021	21	23
11/3/2021	27	29
11/4/2021	26	30
11/5/2021	25	31
11/6/2021	21	28
11/7/2021	17	19
11/8/2021	14	16
11/9/2021	12	14
11/10/2021	4	11
11/11/2021	15	19
11/12/2021	24	33
11/13/2021	25	31
11/14/2021	23	31
11/15/2021	18	23
11/16/2021	3	14
11/17/2021	12	18
11/18/2021	28	39
11/19/2021	27	38

<u>Gas Day</u>	<u>EDD</u>	<u>Dth</u>
11/20/2021	15	28
11/21/2021	21	29
11/22/2021	30	44
11/23/2021	25	40
11/24/2021	10	26
11/25/2021	32	45
11/26/2021	32	48
11/27/2021	21	40
11/28/2021	26	39
11/29/2021	21	37
11/30/2021	16	24
12/1/2021	16	24
12/2/2021	12	18
12/3/2021	9	13
12/4/2021	15	24
12/5/2021	7	15
12/6/2021	32	45
12/7/2021	31	51
12/8/2021	24	40
12/9/2021	11	24
12/10/2021	3	12
12/11/2021	30	43
12/12/2021	28	43
12/13/2021	21	35
12/14/2021	7	21
12/15/2021	2	17
12/16/2021	17	27
12/17/2021	19	35
12/18/2021	31	55
12/19/2021	34	59
12/20/2021	30	47
12/21/2021	25	43
12/22/2021	32	50
12/23/2021	13	30
12/24/2021	2	16
12/25/2021	10	14
12/26/2021	7	21
12/27/2021	6	15
12/28/2021	10	16
12/29/2021	19	31
12/30/2021	15	28
12/31/2021	4	14
1/1/2022	24	39
1/2/2022	44	89
1/3/2022	38	70
1/4/2022	34	73

<u>Gas Day</u>	<u>EDD</u>	<u>Dth</u>
1/5/2022	32	63
1/6/2022	49	94
1/7/2022	46	90
1/8/2022	25	56
1/9/2022	36	70
1/10/2022	34	67
1/11/2022	30	56
1/12/2022	22	45
1/13/2022	25	42
1/14/2022	24	50
1/15/2022	37	77
1/16/2022	32	65
1/17/2022	30	58
1/18/2022	18	40
1/19/2022	43	83
1/20/2022	52	107
1/21/2022	46	94
1/22/2022	38	79
1/23/2022	29	58
1/24/2022	25	55
1/25/2022	45	92
1/26/2022	41	88
1/27/2022	35	73
1/28/2022	42	84
1/29/2022	37	75
1/30/2022	28	56
1/31/2022	26	45
2/1/2022	13	32
2/2/2022	44	90
2/3/2022	49	105
2/4/2022	41	81
2/5/2022	42	78
2/6/2022	35	65
2/7/2022	32	65
2/8/2022	25	51
2/9/2022	22	42
2/10/2022	22	41
2/11/2022	22	47
2/12/2022	40	77
2/13/2022	35	69
2/14/2022	31	58
2/15/2022	12	34
2/16/2022	4	23
2/17/2022	39	64
2/18/2022	34	65
2/19/2022	31	57

<u>Gas Day</u>	<u>EDD</u>	<u>Dth</u>
2/20/2022	19	37
2/21/2022	8	25
2/22/2022	26	47
2/23/2022	42	92
2/24/2022	37	82
2/25/2022	43	91
2/26/2022	36	74
2/27/2022	29	53
2/28/2022	21	41
3/1/2022	12	26
3/2/2022	10	19
3/3/2022	14	21
3/4/2022	8	14
3/5/2022	0	10
3/6/2022	8	10
3/7/2022	29	43
3/8/2022	26	45
3/9/2022	24	36
3/10/2022	24	34
3/11/2022	42	76
3/12/2022	36	63
3/13/2022	21	41
3/14/2022	13	26
3/15/2022	12	19
3/16/2022	9	12
3/17/2022	4	8
3/18/2022	14	24
3/19/2022	18	28
3/20/2022	10	17
3/21/2022	5	11
3/22/2022	12	22
3/23/2022	22	42
3/24/2022	22	41
3/25/2022	15	33
3/26/2022	16	27
3/27/2022	23	39
3/28/2022	17	32
3/29/2022	0	10
3/30/2022	12	21
3/31/2022	26	43

Calendar Date	KPOF	KBRL	KIRK	KMCI	KMWA	KPAH	KPOF	KSPI	KSTL	KUIN	KCSG	KGVL
January1	28.70	41	40	36	33	30	29	38	32	38	17	24
January2	28.80	41	41	36	33	30	29	38	32	38	17	24
January3	28.90	41	41	36	33	30	29	38	32	38	17	24
January4	29.00	41	41	36	33	31	29	38	32	38	17	24
January5	29.00	41	41	36	33	31	29	38	33	39	17	24
January6	29.10	41	41	36	33	31	29	38	33	39	17	24
January7	29.10	42	41	36	33	31	29	38	33	39	17	24
January8	29.20	42	41	36	33	31	29	38	33	39	17	24
January9	29.20	42	41	36	33	31	29	38	33	39	17	24
January10	29.20	42	41	36	33	31	29	38	33	39	17	24
January11	29.30	42	41	36	33	31	29	38	33	39	17	24
January12	29.30	42	41	36	33	31	29	39	33	39	17	24
January13	29.30	42	41	36	33	31	29	39	33	39	17	24
January14	29.30	42	41	36	33	31	29	39	33	39	17	24
January15	29.20	42	41	36	33	31	29	39	33	39	17	24
January16	29.20	42	41	36	33	31	29	39	33	39	17	24
January17	29.20	42	41	36	33	31	29	39	33	39	17	23
January18	29.10	42	41	36	33	31	29	39	33	39	17	23
January19	29.10	42	41	36	33	31	29	38	33	39	17	23
January20	29.00	42	41	36	33	31	29	38	33	39	17	23
January21	28.90	42	41	36	33	30	29	38	33	39	17	23
January22	28.80	42	41	36	32	30	29	38	33	39	17	23
January23	28.70	42	41	36	32	30	29	38	33	39	17	23
January24	28.60	42	41	36	32	30	29	38	33	39	16	23
January25	28.50	41	41	36	32	30	29	38	33	38	16	23
January26	28.40	41	41	36	32	30	28	38	33	38	16	23
January27	28.30	41	41	36	32	30	28	38	33	38	16	23
January28	28.10	41	41	36	32	30	28	38	33	38	16	23
January29	28.00	41	41	36	32	30	28	38	32	38	16	22
January30	27.90	41	40	35	31	30	28	38	32	38	16	22
January31	27.70	41	40	35	31	29	28	37	32	38	16	22
February1	27.50	41	40	35	31	29	28	37	32	38	15	22
February2	27.40	40	40	35	31	29	27	37	32	37	15	22
February3	27.20	40	40	35	31	29	27	37	32	37	15	22
February4	27.00	40	40	35	31	29	27	37	31	37	15	22
February5	26.80	40	39	34	30	28	27	37	31	37	15	21
February6	26.60	40	39	34	30	28	27	36	31	37	15	21
February7	26.40	39	39	34	30	28	26	36	31	36	14	21
February8	26.20	39	39	34	30	28	26	36	30	36	14	21
February9	26.00	39	38	33	30	27	26	36	30	36	14	21
February10	25.80	39	38	33	29	27	26	35	30	36	14	21
February11	25.50	38	38	33	29	27	26	35	30	35	14	20
February12	25.30	38	38	33	29	27	25	35	29	35	14	20
February13	25.10	38	37	32	29	26	25	35	29	35	13	20
February14	24.80	37	37	32	28	26	25	34	29	35	13	20
February15	24.60	37	37	32	28	26	25	34	28	34	13	20
February16	24.40	37	36	31	28	26	24	34	28	34	13	19
February17	24.10	36	36	31	28	25	24	33	28	34	12	19

Station Name	Date	HDD	HDD(-1)
KBRL	2/3/1996	83	80
KMWA	1/19/1994	73.5	57.5
KSPI	12/24/1983	78.5	73
KUIN	12/22/1989	79	72
KPAH	1/20/1985	72	48.5
KIRK	12/24/1983	80.5	75
KMCI	12/22/1989	80.5	73.5
KPOF	1/21/1985	69	54.5
KSTL	1/20/1985	73.5	60
KCSG	1/21/1985	54.5	41.5
KGVL	1/21/1985	56	46

Calendar Date	KPOF	KBRL	KIRK	KMCI	KMWA	KPAH	KPOF	KSPI	KSTL	KUIN	KCSG	KGVL
February18	23.90	36	36	31	27	25	24	33	27	33	12	19
February19	23.60	36	35	30	27	25	24	33	27	33	12	19
February20	23.40	35	35	30	27	24	23	32	27	33	12	18
February21	23.10	35	35	29	27	24	23	32	26	32	12	18
February22	22.90	34	34	29	26	24	23	31	26	32	11	18
February23	22.60	34	34	29	26	23	23	31	26	32	11	18
February24	22.30	34	33	28	26	23	22	31	25	31	11	17
February25	22.10	33	33	28	25	23	22	30	25	31	11	17
February26	21.80	33	33	28	25	22	22	30	25	30	11	17
February27	21.50	32	32	27	25	22	22	30	24	30	10	17
February28	21.20	32	32	27	24	22	21	29	24	30	10	17
February29	21.10	32	32	27	24	22	21	29	24	29	10	16
March1	21.00	31	31	26	24	21	21	29	24	29	10	16
March2	20.70	31	31	26	24	21	21	28	23	29	10	16
March3	20.40	31	31	26	23	21	20	28	23	28	10	16
March4	20.10	30	30	25	23	21	20	28	23	28	9	16
March5	19.80	30	30	25	23	20	20	27	22	28	9	15
March6	19.50	29	29	25	22	20	20	27	22	27	9	15
March7	19.20	29	29	24	22	20	19	26	22	27	9	15
March8	18.90	28	29	24	22	19	19	26	21	26	9	15
March9	18.60	28	28	23	21	19	19	26	21	26	8	14
March10	18.30	28	28	23	21	19	18	25	21	26	8	14
March11	18.00	27	27	23	21	18	18	25	20	25	8	14
March12	17.70	27	27	22	20	18	18	24	20	25	8	14
March13	17.40	26	27	22	20	18	17	24	20	24	8	13
March14	17.10	26	26	21	20	17	17	24	19	24	7	13
March15	16.80	26	26	21	19	17	17	23	19	23	7	13
March16	16.50	25	25	21	19	17	17	23	19	23	7	12
March17	16.20	25	25	20	19	17	16	22	18	23	7	12
March18	15.80	24	25	20	18	16	16	22	18	22	7	12
March19	15.50	24	24	20	18	16	16	22	18	22	7	12
March20	15.20	23	24	19	17	16	15	21	17	22	6	11
March21	14.90	23	23	19	17	15	15	21	17	21	6	11
March22	14.60	23	23	19	17	15	15	21	17	21	6	11
March23	14.30	22	23	18	16	15	14	20	16	20	6	11
March24	13.90	22	22	18	16	14	14	20	16	20	6	10
March25	13.60	22	22	18	16	14	14	19	16	20	6	10
March26	13.30	21	22	17	15	14	13	19	15	19	5	10
March27	12.90	21	21	17	15	14	13	19	15	19	5	10
March28	12.60	20	21	17	15	13	13	18	15	19	5	10
March29	12.20	20	21	16	14	13	12	18	14	18	5	9
March30	11.90	20	20	16	14	13	12	18	14	18	5	9
March31	11.60	19	20	16	14	12	12	17	14	17	5	9
April1	11.30	19	20	15	13	12	11	17	13	17	4	9
April2	11.00	18	19	15	13	12	11	17	13	17	4	9
April3	10.70	18	19	15	13	12	11	16	13	16	4	8
April4	10.40	18	18	14	13	11	10	16	12	16	4	8
April5	10.00	17	18	14	12	11	10	16	12	16	4	8
April6	9.70	17	18	14	12	11	10	15	12	15	4	8

Calendar Date	KPOF	KBRL	KIRK	KMCI	KMWA	KPAH	KPOF	KSPI	KSTL	KUIN	KCSG	KGVL
April7	9.40	16	17	14	12	10	9	15	11	15	4	8
April8	9.20	16	17	13	11	10	9	15	11	15	3	7
April9	8.90	16	17	13	11	10	9	14	11	14	3	7
April10	8.60	15	16	13	11	10	9	14	10	14	3	7
April11	8.30	15	16	12	10	9	8	14	10	14	3	7
April12	8.10	15	16	12	10	9	8	13	10	13	3	7
April13	7.80	14	15	12	10	9	8	13	10	13	3	6
April14	7.50	14	15	11	10	9	8	13	9	13	3	6
April15	7.10	13	15	11	9	8	7	12	9	12	2	6
April16	6.80	13	14	11	9	8	7	12	9	12	2	6
April17	6.50	13	14	11	9	8	7	12	8	12	2	5
April18	6.20	12	14	10	8	7	6	11	8	12	2	5
April19	6.00	12	13	10	8	7	6	11	8	11	2	5
April20	5.70	12	13	10	8	7	6	11	7	11	2	5
April21	5.40	11	13	9	8	7	5	10	7	11	2	5
April22	5.10	11	12	9	7	6	5	10	7	10	1	4
April23	4.90	11	12	9	7	6	5	10	6	10	1	4
April24	4.60	10	12	8	7	6	5	9	6	10	1	4
April25	4.40	10	11	8	6	5	4	9	6	9	1	4
April26	4.20	10	11	8	6	5	4	9	6	9	1	4
April27	4.00	9	11	7	6	5	4	8	5	9	1	3
April28	3.80	9	10	7	6	5	4	8	5	8	1	3
April29	3.60	9	10	7	5	5	4	8	5	8	1	3
April30	3.50	8	10	7	5	4	4	7	5	8	1	3
May1	3.30	8	9	6	5	4	3	7	4	8	1	3
May2	3.10	8	9	6	5	4	3	7	4	7	1	3
May3	3.00	7	9	6	4	4	3	7	4	7	1	2
May4	2.80	7	8	5	4	3	3	6	4	7	1	2
May5	2.70	7	8	5	4	3	3	6	4	6	1	2
May6	2.60	7	8	5	4	3	3	6	4	6	0	2
May7	2.50	6	7	5	4	3	3	6	3	6	0	2
May8	2.40	6	7	5	3	3	2	5	3	6	0	2
May9	2.30	6	7	4	3	3	2	5	3	6	0	2
May10	2.20	6	7	4	3	3	2	5	3	5	0	2
May11	2.10	5	6	4	3	3	2	5	3	5	0	1
May12	2.00	5	6	4	3	2	2	5	3	5	0	1
May13	1.90	5	6	4	3	2	2	4	3	5	0	1
May14	1.80	5	6	4	3	2	2	4	3	5	0	1
May15	1.70	5	5	3	3	2	2	4	2	4	0	1
May16	1.60	4	5	3	3	2	2	4	2	4	0	1
May17	1.50	4	5	3	2	2	2	4	2	4	0	1
May18	1.50	4	5	3	2	2	2	4	2	4	0	1
May19	1.30	4	5	3	2	2	1	3	2	4	0	1
May20	1.20	4	4	3	2	2	1	3	2	4	0	1
May21	1.10	3	4	2	2	1	1	3	2	3	0	1
May22	1.00	3	4	2	2	1	1	3	2	3	0	1
May23	0.90	3	4	2	2	1	1	3	1	3	0	1
May24	0.80	3	3	2	2	1	1	3	1	3	0	1
May25	0.70	3	3	2	1	1	1	2	1	3	0	1

Calendar Date	KPOF	KBRL	KIRK	KMCI	KMWA	KPAH	KPOF	KSPI	KSTL	KUIN	KCSG	KGVL
September1	-	1	1	0	0	0	0	0	0	0	0	0
September2	-	1	1	0	0	0	0	0	0	1	0	0
September3	-	1	1	0	0	0	0	0	0	1	0	0
September4	-	1	1	0	0	0	0	1	0	1	0	0
September5	0.10	1	1	0	0	0	0	1	0	1	0	0
September6	0.10	1	1	1	0	0	0	1	0	1	0	0
September7	0.10	1	1	1	0	0	0	1	0	1	0	0
September8	0.10	1	2	1	0	0	0	1	0	1	0	0
September9	0.20	1	2	1	0	0	0	1	0	1	0	0
September10	0.20	1	2	1	1	0	0	1	0	1	0	0
September11	0.30	2	2	1	1	0	0	1	0	1	0	0
September12	0.30	2	2	1	1	0	0	1	1	2	0	0
September13	0.40	2	3	1	1	1	0	2	1	2	0	0
September14	0.50	2	3	2	1	1	1	2	1	2	0	0
September15	0.50	2	3	2	1	1	1	2	1	2	0	0
September16	0.60	3	3	2	1	1	1	2	1	2	0	0
September17	0.70	3	3	2	2	1	1	3	1	3	0	0
September18	0.80	3	4	2	2	1	1	3	1	3	0	0
September19	0.90	3	4	3	2	1	1	3	1	3	0	0
September20	1.00	4	4	3	2	2	1	3	1	3	0	0
September21	1.10	4	5	3	2	2	1	3	1	4	0	1
September22	1.20	4	5	3	3	2	1	4	2	4	0	1
September23	1.40	4	5	3	3	2	1	4	2	4	0	1
September24	1.50	5	5	4	3	2	2	4	2	5	0	1
September25	1.60	5	6	4	3	3	2	5	2	5	0	1
September26	1.80	5	6	4	3	3	2	5	2	5	0	1
September27	2.10	6	6	4	4	3	2	5	3	6	0	1
September28	2.30	6	7	5	4	3	2	6	3	6	0	1
September29	2.50	6	7	5	4	4	3	6	3	6	0	1
September30	2.70	7	7	5	4	4	3	6	3	6	0	2
October1	2.90	7	8	5	5	4	3	6	3	7	0	2
October2	3.10	7	8	6	5	4	3	7	4	7	0	2
October3	3.30	8	8	6	5	4	3	7	4	7	0	2
October4	3.50	8	9	6	5	5	4	7	4	7	0	2
October5	3.70	8	9	6	5	5	4	8	4	8	1	2
October6	3.90	9	9	7	6	5	4	8	4	8	1	3
October7	4.10	9	9	7	6	5	4	8	5	8	1	3
October8	4.40	9	10	7	6	6	4	8	5	9	1	3
October9	4.60	10	10	7	6	6	5	9	5	9	1	3
October10	4.90	10	10	8	7	6	5	9	5	9	1	3
October11	5.10	10	11	8	7	6	5	9	6	9	1	4
October12	5.40	10	11	8	7	6	5	9	6	10	1	4
October13	5.60	11	11	8	7	7	6	10	6	10	1	4
October14	5.80	11	11	9	8	7	6	10	6	10	1	4
October15	6.10	11	12	9	8	7	6	10	7	10	1	4
October16	6.40	12	12	9	8	7	6	11	7	11	1	4
October17	6.70	12	12	10	8	7	7	11	7	11	2	5
October18	7.10	12	13	10	9	8	7	11	8	11	2	5
October19	7.40	13	13	10	9	8	7	11	8	12	2	5

Calendar Date	KPOF	KBRL	KIRK	KMCI	KMWA	KPAH	KPOF	KSPI	KSTL	KUIN	KCSG	KGVL
October20	7.80	13	13	10	9	8	8	12	8	12	2	5
October21	8.20	13	14	11	9	8	8	12	9	12	2	6
October22	8.60	14	14	11	10	9	9	12	9	12	3	6
October23	9.00	14	14	11	10	9	9	12	10	13	3	6
October24	9.30	14	15	12	10	9	9	13	10	13	3	6
October25	9.70	15	15	12	11	9	10	13	10	13	3	7
October26	10.00	15	15	12	11	10	10	13	11	14	4	7
October27	10.40	16	16	13	11	10	10	14	11	14	4	7
October28	10.80	16	16	13	12	10	11	14	11	14	4	7
October29	11.20	16	17	13	12	11	11	14	12	15	4	8
October30	11.60	17	17	14	12	11	12	15	12	15	5	8
October31	12.00	17	17	14	13	11	12	15	13	15	5	8
November1	12.40	18	18	14	13	12	12	15	13	16	5	8
November2	12.70	18	18	15	13	12	13	16	13	16	5	9
November3	13.10	19	19	15	13	12	13	16	14	17	6	9
November4	13.50	19	19	16	14	12	14	17	14	17	6	9
November5	13.90	19	20	16	14	13	14	17	15	17	6	9
November6	14.30	20	20	17	14	13	14	17	15	18	6	10
November7	14.60	20	20	17	15	14	15	18	15	18	7	10
November8	15.00	21	21	18	15	14	15	18	16	19	7	10
November9	15.40	21	21	18	16	14	15	19	16	19	7	10
November10	15.80	22	22	19	16	15	16	19	17	20	7	11
November11	16.20	23	22	19	16	15	16	20	17	20	8	11
November12	16.60	23	23	19	17	15	17	20	17	21	8	11
November13	16.90	24	23	20	17	16	17	21	18	21	8	12
November14	17.30	24	24	21	17	16	17	21	18	22	8	12
November15	17.70	25	25	21	18	17	18	21	19	22	8	12
November16	18.00	25	25	22	18	17	18	22	19	23	9	13
November17	18.40	26	26	22	19	17	18	22	19	23	9	13
November18	18.80	26	26	23	19	18	19	23	20	24	9	13
November19	19.10	27	27	23	19	18	19	24	20	24	9	14
November20	19.40	27	27	24	20	19	19	24	21	25	10	14
November21	19.80	28	28	24	20	19	20	25	21	25	10	14
November22	20.10	29	28	25	21	20	20	25	21	26	10	15
November23	20.40	29	29	25	21	20	20	26	22	26	10	15
November24	20.70	30	29	26	22	20	21	26	22	27	11	15
November25	21.10	30	30	26	22	21	21	27	22	27	11	16
November26	21.40	31	30	27	22	21	21	27	23	28	11	16
November27	21.70	31	31	27	23	22	22	28	23	28	11	16
November28	22.00	32	31	28	23	22	22	28	23	29	11	17
November29	22.30	32	32	28	24	23	22	29	24	29	12	17
November30	22.50	33	32	29	24	23	23	29	24	30	12	17
December1	22.80	33	33	29	25	23	23	30	24	30	12	18
December2	23.10	34	33	30	25	24	23	30	25	31	12	18
December3	23.40	34	33	30	25	24	23	30	25	31	12	18
December4	23.60	35	34	30	26	24	24	31	25	32	13	19
December5	23.90	35	34	31	26	25	24	31	26	32	13	19
December6	24.10	35	35	31	27	25	24	32	26	32	13	19
December7	24.40	36	35	31	27	26	24	32	26	33	13	20

Calendar Date	KPOF	KBRL	KIRK	KMCI	KMWA	KPAH	KPOF	KSPI	KSTL	KUIN	KCSG	KGVL
December8	24.60	36	35	32	27	26	25	33	27	33	13	20
December9	24.80	37	36	32	28	26	25	33	27	34	14	20
December10	25.10	37	36	32	28	26	25	33	27	34	14	20
December11	25.30	37	36	33	28	27	25	34	27	34	14	21
December12	25.50	38	37	33	29	27	26	34	28	35	14	21
December13	25.70	38	37	33	29	27	26	34	28	35	14	21
December14	25.90	38	37	34	29	28	26	35	28	35	14	21
December15	26.10	38	38	34	29	28	26	35	28	35	15	21
December16	26.30	39	38	34	30	28	26	35	29	36	15	22
December17	26.50	39	38	34	30	28	27	35	29	36	15	22
December18	26.70	39	38	35	30	28	27	36	29	36	15	22
December19	26.90	39	39	35	30	29	27	36	29	36	15	22
December20	27.00	40	39	35	31	29	27	36	30	37	15	22
December21	27.20	40	39	35	31	29	27	36	30	37	15	23
December22	27.40	40	39	35	31	29	27	37	30	37	16	23
December23	27.50	40	39	35	31	29	28	37	30	37	16	23
December24	27.70	40	39	35	32	29	28	37	31	37	16	23
December25	27.80	40	40	36	32	30	28	37	31	38	16	23
December26	28.00	41	40	36	32	30	28	37	31	38	16	23
December27	28.10	41	40	36	32	30	28	37	31	38	16	23
December28	28.30	41	40	36	32	30	28	37	31	38	16	23
December29	28.40	41	40	36	32	30	28	38	32	38	16	23
December30	28.50	41	40	36	32	30	29	38	32	38	17	24
December31	28.60	41	40	36	32	30	29	38	32	38	17	24