

Dependent Variable: MANCHESTER_FIRM
Method: Least Squares
Date: 05/13/22 Time: 15:33
Sample (adjusted): 1/02/2015 4/01/2015 11/01/2015 4/01/2016 11/01/2016 4/01/2017 11/01/2017 3/31/2018 11/01/2018 3/31/2019 11/01/2019 3/31/2020 11/01/2020 3/31/2021 11/01/2021 3/31/2022
Included observations: 1151 after adjustments
HAC standard errors & covariance (Bartlett kernel, Newey-West fixed bandwidth = 7.0000)

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	1.139888	1.30E+00	8.79E-01	0.3798
MANCHESTER_HDD	8.430213	1.95E-01	43.20957	0
MANCHESTER_HDD(-1)	-5.897767	0.271586	-21.71598	0
MANCHESTER_FIRM(-1)	0.810296	0.029153	27.79425	0
R-squared	9.52E-01	Mean dependent var		1.54E+02
Adjusted R-squared	9.52E-01	S.D. dependent var		101.2452
S.E. of regression	22.15546	Akaike info criterion		9.04E+00
Sum squared resid	563021.4	Schwarz criterion		9.055058
Log likelihood	-5197.089	Hannan-Quinn criter.		9.044136
F-statistic	7622.715	Durbin-Watson stat		2.056898
Prob(F-statistic)	0	Wald F-statistic		7805.054
Prob(Wald F-statistic)	0			

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: 1/02/2015 4/01/2015 11/01/2015 4/01/2016 11/01/2016 4/01/2017 11/01/2017 3/31/2018 11/01/2018 3/31/2019 11/01/2019 3/31/2020 11/01/2020 3/31/2021 11/01/2021 3/31/2022
Test Sample: 11/27/2015 12/06/2021
Number of breaks compared: 920

Statistic	Value	Prob.
Maximum LR F-statistic (3/26/2020)	112.4445	0
Exp LR F-statistic	52.9669	0
Ave LR F-statistic	49.60357	0

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

Liberty Utilities (Peach State Natural Gas) Corp

2022-2023 Design Day and RFP Plan Summary
File Last Updated: May 13, 2022

Planned Volumes

Design Day Summary and Deliverable Capacity

Load Study:	Butler, MO
Weather Station Location:	Kansas City, MO
Weather Station Code:	KMCI
Data Sample:	12/1/2015 to 3/31/2021
HDD Selection Method:	Coldest Day Since 1970

Forecasted Design Day DTH	
Forecasted DTH:	5,573
S.E. of Regression:	127
S.E. 95% Adjustment	248.58
3rd Party Obligations DTH:	0
Total Forecasted DTH:	5,948
Reserve Margin Summary	
Final Deliverable Capacity DTH:	8,000
Reserve Capacity DTH:	2,052
Reserve Capacity %:	34.49%

Design Day Weather	Date	HDD
Coldest HDD on Record:	12/22/1989	80.5
HDD of Prior Day:	12/21/1989	73.5

Summary of Final Delivery Capacity

Pipeline	Contract # & Description	MDQ DTH	Notes
PEPL	SCT 11867	8,000	Small customer rate, no demand charges
Total Capacity		8,000	

Summary of Upstream Storage and Storage Capacity

Pipeline	Contract # & Description	MDQ DTH	Notes
PEPL	IOS 11861	2,000	
Total Upstream and Storage Capacity		2,000	

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	1,117	78,309	1,229	86,180	1,005	70,437	1,341	94,052	894	62,565
February	2023	879	62,158	967	68,372	791	55,943	1,055	74,587	703	49,729
March	2023	640	41,731	704	45,782	576	37,955	768	50,051	512	34,524
April	2023	330	19,106	363	20,464	297	17,747	396	21,823	264	16,389
May	2023	109	8,724	120	9,176	98	8,272	131	9,628	87	7,819
June	2023	7	5,025	8	5,055	6	4,994	8	5,085	6	4,964
July	2023	0	4,443	0	4,443	0	4,443	0	4,443	0	4,443
August	2023	1	4,686	1	4,691	1	4,681	2	4,695	1	4,676
September	2023	58	6,006	64	6,234	52	5,778	69	6,461	46	5,551
October	2023	296	14,319	325	15,500	266	13,137	355	16,682	236	11,956
November	2022	645	37,027	710	41,139	581	33,153	774	45,426	516	29,619
December	2022	989	60,007	1,088	66,956	890	53,058	1,187	73,905	791	46,108
Firm Winter DTH		4,270	279,231	4,697	308,429	3,843	250,546	5,124	338,021	3,416	222,545
Firm Annual DTH		5,071	341,539	5,578	373,992	4,564	309,599	6,085	406,839	4,056	278,343

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	1,117	0	1,229	0	1,005	0	1,341	0	894	0
February	2023	879	0	967	0	791	0	1,055	0	703	0
March	2023	640	0	704	0	576	0	768	0	512	0
April	2023	330	0	363	0	297	0	396	0	264	0
May	2023	109	0	120	0	98	0	131	0	87	0
June	2023	7	0	8	0	6	0	8	0	6	0
July	2023	0	0	0	0	0	0	0	0	0	0
August	2023	1	0	1	0	1	0	2	0	1	0
September	2023	58	0	64	0	52	0	69	0	46	0
October	2023	296	0	325	0	266	0	355	0	236	0
November	2022	645	0	710	0	581	0	774	0	516	0
December	2022	989	0	1,088	0	890	0	1,187	0	791	0
INT Winter DTH		4,270	0	4,697	0	3,843	0	5,124	0	3,416	0
INT Annual DTH		5,071	0	5,578	0	4,564	0	6,085	0	4,056	0
Total Winter DTH		4,270	279,231	4,697	308,429	3,843	250,546	5,124	338,021	3,416	222,545
Total Annual DTH		5,071	341,539	5,578	373,992	4,564	309,599	6,085	406,839	4,056	278,343

W/ Firm DTH(-1) Model				
Dependent Variable: BUTLER_FIRM				
Method: Least Squares				
Date: 11/07/22 Time: 18:12				
Sample: 1/01/2021 3/31/2022				
Included observations: 455				
HAC standard errors & covariance (Bartlett kernel, Newey-West fixed bandwidth = 6.0000)				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
BUTLER_HDD	32.68294	1.526347	21.41253	0
BUTLER_HDD45	19.59998	2.476923	7.913036	0
BUTLER_HDD(-1)	3.558045	2.626093	1.354882	0.1762
BUTLER_FIRM(-1)	0.207548	0.041715	4.975373	0
MONTH12	60.25771	37.02519	1.627479	0.1044
MONTH02	303.4177	45.8952	6.611099	0
MONTH01	295.6024	40.30321	7.334463	0
MONTH03	186.8932	28.09906	6.651227	0
MONTH11	73.13615	28.59664	2.557508	0.0109
WEEKDAY01	56.87774	14.21407	4.001508	0.0001
WEEKDAY02	76.70934	14.2409	5.38655	0
WEEKDAY03	110.8886	17.20669	6.444504	0
WEEKDAY04	119.5138	17.56803	6.802917	0
WEEKDAY05	118.3487	16.31154	7.255524	0
WEEKDAY06	78.86434	19.63726	4.016055	0.0001
WEEKDAY07	61.84541	16.0195	3.860632	0.0001
R-squared	0.986097	Mean dependent var	1092.648	
Adjusted R-squared	0.985622	S.D. dependent var	1057.709	
S.E. of regression	1.27E+02	Akaike info criterion	12.55806	
Sum squared resid	7.06E+06	Schwarz criterion	12.70295	
Log likelihood	-2.84E+03	Hannan-Quinn criter.	12.61514	
Durbin-Watson stat	1.794168			

W/O Firm DTH(-1) Model				
Dependent Variable: BUTLER_FIRM				
Method: Least Squares				
Date: 11/07/22 Time: 18:13				
Sample: 1/01/2021 3/31/2022				
Included observations: 455				
HAC standard errors & covariance (Bartlett kernel, Newey-West fixed bandwidth = 6.0000)				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
BUTLER_HDD	30.4838	1.7458	17.4610	0.0000
BUTLER_HDD45	21.2577	2.9065	7.3138	0.0000
BUTLER_HDD(-1)	15.5557	1.1468	13.5640	0.0000
MONTH12	89.6994	44.4949	2.0159	0.0444
MONTH02	436.7897	57.1669	7.6406	0.0000
MONTH01	406.1639	48.7674	8.3286	0.0000
MONTH03	242.1163	34.5589	7.0059	0.0000
MONTH11	92.5680	34.8820	2.6537	0.0082
WEEKDAY01	75.0304	15.4980	4.8413	0.0000
WEEKDAY02	93.6751	15.4529	6.0620	0.0000
WEEKDAY03	129.9840	16.6467	7.8084	0.0000
WEEKDAY04	151.3644	16.3012	9.2855	0.0000
WEEKDAY05	144.8267	15.0476	9.6246	0.0000
WEEKDAY06	104.2646	19.6166	5.3151	0.0000
WEEKDAY07	84.6310	17.3679	4.8729	0.0000
R-squared	0.984841	Mean dependent var	1092.648	
Adjusted R-squared	0.984359	S.D. dependent var	1057.709	
S.E. of regression	1.32E+02	Akaike info criterion	1.26E+01	
Sum squared resid	7.70E+06	Schwarz criterion	1.28E+01	
Log likelihood	-2860.632	Hannan-Quinn criter.	1.27E+01	
Durbin-Watson stat	1.384067			

Design Day DTH Calculations	
Design Day Date	HDD
12/22/1989	80.5
12/21/1989	73.5
Is HDD(-2) Known?	NO
N/A	73.5
Calendar Load	422.93
Weather Load	4078.29
DTH Lag Load	1071.74
Total Forecasted D	5572.96
DTH(-1) Calculations	
NO DTH	
Calendar Load	588.15
Weather Load	4521.19
Total Forecast DTH	5109.35
DTH LRV method	
Calendar Load	422.93
Weather Load	3712.31
Total Forecast DTH	5218.29

60.5
53.5

Dependent Variable: BUTLER_FIRM
Method: Least Squares
Date: 11/07/22 Time: 19:05
Sample: 11/01/2017 3/31/2022
Included observations: 1552
HAC standard errors & covariance (Bartlett kernel, Newey-West fixed bandwidth = 8.0000)

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	26.28416	7.962978	3.300795	0.001
BUTLER_HDD	44.12	9.76E-01	45.18887	0
BUTLER_HDD(-1)	-10.27905	1.99E+00	-5.16E+00	0
BUTLER_FIRM(-1)	0.467742	3.23E-02	14.49726	0

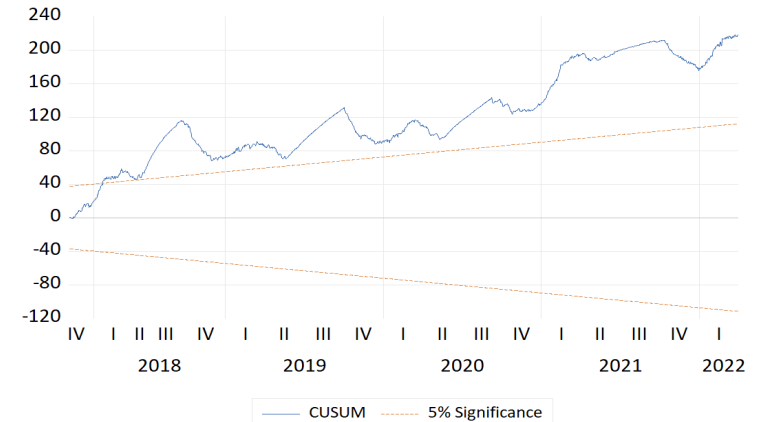
R-squared 0.97273 Mean dependent var 1045.626
Adjusted R-squared 0.972677 S.D. dependent var 970.5945
S.E. of regression 1.60E+02 Akaike info criterion 1.30E+01
Sum squared resid 3.98E+07 Schwarz criterion 13.01003
Log likelihood -10081.09 Hannan-Quinn criter. 1.30E+01
F-statistic 18405.74 Durbin-Watson stat 1.915746
Prob(F-statistic) 0 Wald F-statistic 8363.612
Prob(Wald F-statistic) 0

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

Quandt-Andrews unknown breakpoint test
Null Hypothesis: No breakpoints within 15% trimmed data
Equation Sample: 11/01/2017 3/31/2022
Test Sample: 8/21/2018 8/11/2021
Number of breaks compared: 1087

Statistic	Value	Prob.
Maximum LR F-statistic (12/07/2020)	15.33778	0
Exp LR F-statistic	5.209069	0
Ave LR F-statistic	8.273708	0

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



Dependent Variable: BUTLER_FIRM
Method: Least Squares
Date: 11/07/22 Time: 19:06
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.
C	27.43192	9.730673	2.819118	0.0049
BUTLER_HDD	44.82	1.31E+00	34.26589	0
BUTLER_HDD(-1)	-9.898938	2.44E+00	-4.06E+00	0.0001
BUTLER_FIRM(-1)	0.468343	4.16E-02	11.26733	0

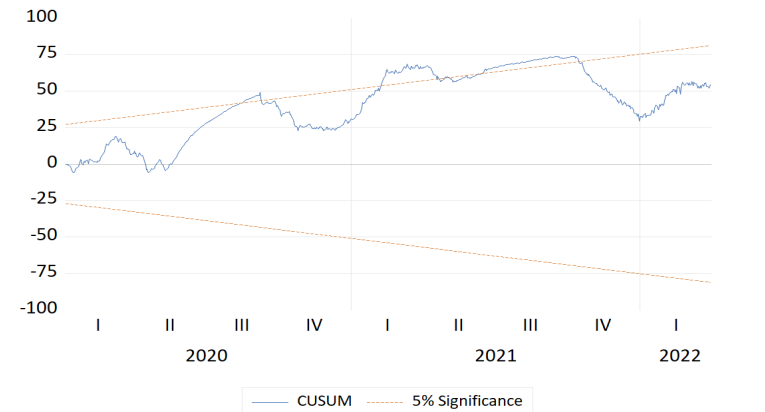
R-squared 0.975325 Mean dependent var 1000.127
Adjusted R-squared 0.975235 S.D. dependent var 964.7452
S.E. of regression 1.52E+02 Akaike info criterion 1.29E+01
Sum squared resid 1.88E+07 Schwarz criterion 12.91111
Log likelihood -5286.59 Hannan-Quinn criter. 1.29E+01
F-statistic 10764.55 Durbin-Watson stat 1.85141
Prob(F-statistic) 0 Wald F-statistic 6305.069
Prob(Wald F-statistic) 0

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

Quandt-Andrews unknown breakpoint test
Null Hypothesis: No breakpoints within 15% trimmed data
Equation Sample: 1/01/2020 3/31/2022
Test Sample: 5/04/2020 11/28/2021
Number of breaks compared: 574

Statistic	Value	Prob.
Maximum LR F-statistic (11/08/2021)	21.59333	0
Exp LR F-statistic	7.885918	0
Ave LR F-statistic	7.587804	0

Note: probabilities calculated using Hansen's (1997) method



Dependent Variable: BUTLER_FIRM
Method: Least Squares
Date: 11/07/22 Time: 19:08
Sample: 1/01/2021 3/31/2022
Included observations: 455
HAC standard errors & covariance (Bartlett kernel, Newey-West fixed bandwidth = 6.0000)

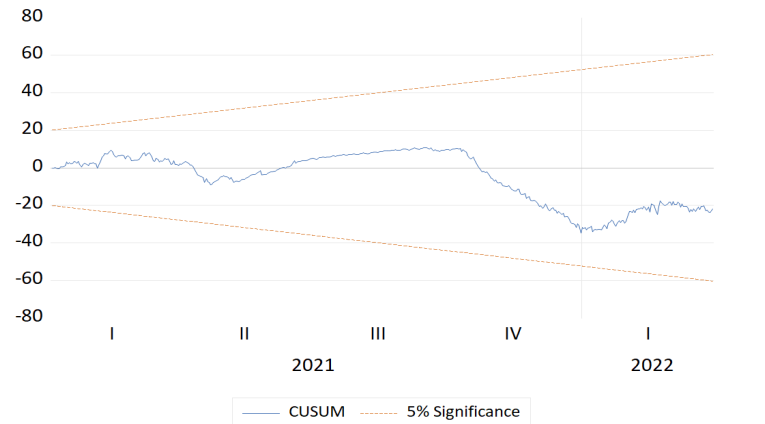
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	19.97987	12.11921	1.648611	0.0999
BUTLER_HDD	47.1527	1.660765	28.39216	0
BUTLER_HDD(-1)	-8.76513	3.20499	-2.734838	0.0065
BUTLER_FIRM(-1)	0.4315	0.052406	8.233769	0

R-squared 0.978441 Mean dependent var 1092.648
Adjusted R-squared 0.978297 S.D. dependent var 1057.709
S.E. of regression 155.8205 Akaike info criterion 12.94404
Sum squared resid 10950286 Schwarz criterion 12.98026
Log likelihood -2940.769 Hannan-Quinn criter. 12.95831
F-statistic 6822.637 Durbin-Watson stat 1.884594
Prob(F-statistic) 0 Wald F-statistic 5161.826
Prob(Wald F-statistic) 0

Quandt-Andrews unknown breakpoint test
Null Hypothesis: No breakpoints within 15% trimmed data
Equation Sample: 1/01/2021 3/31/2022
Test Sample: 3/11/2021 1/22/2022
Number of breaks compared: 318

Statistic	Value	Prob.
Maximum LR F-statistic (1/01/2022)	18.74778	0
Exp LR F-statistic	6.919027	0
Ave LR F-statistic	8.901071	0

Note: probabilities calculated using Hansen's (1997) method



Manchester&Wood

<u>Gas Day</u>	<u>HDD</u>	<u>Dth</u>
1/1/2021	38	
1/2/2021	38	
1/3/2021	32	
1/4/2021	30	
1/5/2021	22	
1/6/2021	27	
1/7/2021	34	
1/8/2021	33	
1/9/2021	36	
1/10/2021	35	
1/11/2021	29	
1/12/2021	24	
1/13/2021	18	
1/14/2021	27	
1/15/2021	33	
1/16/2021	35	
1/17/2021	31	
1/18/2021	31	
1/19/2021	30	
1/20/2021	25	
1/21/2021	25	
1/22/2021	37	
1/23/2021	27	
1/24/2021	29	
1/25/2021	34	
1/26/2021	40	
1/27/2021	39	
1/28/2021	35	
1/29/2021	19	
1/30/2021	25	
1/31/2021	34	
2/1/2021	37	
2/2/2021	33	
2/3/2021	16	
2/4/2021	37	
2/5/2021	38	
2/6/2021	53	
2/7/2021	59	
2/8/2021	57	
2/9/2021	53	
2/10/2021	52	
2/11/2021	57	
2/12/2021	63	
2/13/2021	61	
2/14/2021	68	
2/15/2021	70	
2/16/2021	59	
2/17/2021	49	
2/18/2021	48	
2/19/2021	39	

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

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

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

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

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

<u>Gas Day</u>	<u>HDD</u>	<u>Dth</u>
11/2/2021	25	
11/3/2021	22	
11/4/2021	21	
11/5/2021	17	
11/6/2021	11	
11/7/2021	5	
11/8/2021	7	
11/9/2021	6	
11/10/2021	9	
11/11/2021	20	
11/12/2021	31	
11/13/2021	22	
11/14/2021	19	
11/15/2021	12	
11/16/2021	3	
11/17/2021	23	
11/18/2021	27	
11/19/2021	19	
11/20/2021	18	
11/21/2021	24	
11/22/2021	27	
11/23/2021	8	
11/24/2021	20	
11/25/2021	36	
11/26/2021	19	
11/27/2021	17	
11/28/2021	23	
11/29/2021	12	
11/30/2021	18	
12/1/2021	12	
12/2/2021	10	
12/3/2021	17	
12/4/2021	18	
12/5/2021	20	
12/6/2021	35	
12/7/2021	31	
12/8/2021	20	
12/9/2021	15	
12/10/2021	20	
12/11/2021	27	
12/12/2021	20	
12/13/2021	17	
12/14/2021	2	
12/15/2021	12	
12/16/2021	27	
12/17/2021	29	
12/18/2021	40	
12/19/2021	34	
12/20/2021	34	
12/21/2021	30	
12/22/2021	20	

<u>Gas Day</u>	<u>HDD</u>	<u>Dth</u>
12/23/2021	15	
12/24/2021	10	
12/25/2021	20	
12/26/2021	11	
12/27/2021	23	
12/28/2021	31	
12/29/2021	35	
12/30/2021	30	
12/31/2021	31	
1/1/2022	57	
1/2/2022	54	
1/3/2022	30	
1/4/2022	32	
1/5/2022	49	
1/6/2022	56	
1/7/2022	40	
1/8/2022	32	
1/9/2022	43	
1/10/2022	31	
1/11/2022	21	
1/12/2022	22	
1/13/2022	19	
1/14/2022	29	
1/15/2022	45	
1/16/2022	35	
1/17/2022	27	
1/18/2022	24	
1/19/2022	52	
1/20/2022	55	
1/21/2022	41	
1/22/2022	24	
1/23/2022	26	
1/24/2022	37	
1/25/2022	50	
1/26/2022	34	
1/27/2022	33	
1/28/2022	41	
1/29/2022	23	
1/30/2022	30	
1/31/2022	10	
2/1/2022	34	
2/2/2022	51	
2/3/2022	53	
2/4/2022	41	
2/5/2022	29	
2/6/2022	30	
2/7/2022	24	
2/8/2022	17	
2/9/2022	22	
2/10/2022	17	
2/11/2022	34	

<u>Gas Day</u>	<u>HDD</u>	<u>Dth</u>
2/12/2022	40	
2/13/2022	37	
2/14/2022	26	
2/15/2022	5	
2/16/2022	24	
2/17/2022	49	
2/18/2022	35	
2/19/2022	30	
2/20/2022	18	
2/21/2022	20	
2/22/2022	54	
2/23/2022	49	
2/24/2022	51	
2/25/2022	45	
2/26/2022	32	
2/27/2022	23	
2/28/2022	15	
3/1/2022	5	
3/2/2022	6	
3/3/2022	20	
3/4/2022	2	
3/5/2022	18	
3/6/2022	34	
3/7/2022	40	
3/8/2022	30	
3/9/2022	34	
3/10/2022	44	
3/11/2022	45	
3/12/2022	32	
3/13/2022	12	
3/14/2022	15	
3/15/2022	14	
3/16/2022	3	
3/17/2022	9	
3/18/2022	26	
3/19/2022	16	
3/20/2022	0	
3/21/2022	11	
3/22/2022	21	
3/23/2022	27	
3/24/2022	27	
3/25/2022	20	
3/26/2022	23	
3/27/2022	25	
3/28/2022	17	
3/29/2022	4	
3/30/2022	27	
3/31/2022	32	

Calendar Date	KMCI	KBRL	KIRK	KMCI	KMWA	KPAH	KPOF	KSPI	KSTL	KUIN	KCSG	KGVL
January1	35.40	41	40	35.4	33	30	31	38	33	38	17	24
January2	35.50	41	41	35.5	33	30	31	38	33	38	17	24
January3	35.60	41	41	35.6	33	30	31	38	33	38	17	24
January4	35.70	41	41	35.7	33	31	31	38	33	38	17	24
January5	35.80	41	41	35.8	33	31	31	38	33	39	17	24
January6	35.90	41	41	35.9	33	31	31	38	33	39	17	24
January7	36.00	42	41	36	33	31	31	38	33	39	17	24
January8	36.10	42	41	36.1	33	31	31	38	34	39	17	24
January9	36.20	42	41	36.2	33	31	31	38	34	39	17	24
January10	36.30	42	41	36.3	33	31	31	38	34	39	17	24
January11	36.30	42	41	36.3	33	31	31	38	34	39	17	24
January12	36.40	42	41	36.4	33	31	31	39	34	39	17	24
January13	36.40	42	41	36.4	33	31	31	39	34	39	17	24
January14	36.40	42	41	36.4	33	31	31	39	34	39	17	24
January15	36.40	42	41	36.4	33	31	31	39	34	39	17	24
January16	36.50	42	41	36.5	33	31	31	39	33	39	17	24
January17	36.50	42	41	36.5	33	31	31	39	33	39	17	23
January18	36.40	42	41	36.4	33	31	31	39	33	39	17	23
January19	36.40	42	41	36.4	33	31	31	38	33	39	17	23
January20	36.40	42	41	36.4	33	31	31	38	33	39	17	23
January21	36.30	42	41	36.3	33	30	31	38	33	39	17	23
January22	36.30	42	41	36.3	32	30	31	38	33	39	17	23
January23	36.20	42	41	36.2	32	30	31	38	33	39	17	23
January24	36.10	42	41	36.1	32	30	30	38	33	39	16	23
January25	36.00	41	41	36	32	30	30	38	33	38	16	23
January26	35.90	41	41	35.9	32	30	30	38	33	38	16	23
January27	35.80	41	41	35.8	32	30	30	38	33	38	16	23
January28	35.70	41	41	35.7	32	30	30	38	33	38	16	23
January29	35.60	41	41	35.6	32	30	30	38	32	38	16	22
January30	35.40	41	40	35.4	31	30	30	38	32	38	16	22
January31	35.20	41	40	35.2	31	29	30	37	32	38	16	22
February1	35.10	41	40	35.1	31	29	29	37	32	38	15	22
February2	34.90	40	40	34.9	31	29	29	37	32	37	15	22
February3	34.70	40	40	34.7	31	29	29	37	32	37	15	22
February4	34.50	40	40	34.5	31	29	29	37	31	37	15	22
February5	34.30	40	39	34.3	30	28	29	37	31	37	15	21
February6	34.00	40	39	34	30	28	28	36	31	37	15	21
February7	33.80	39	39	33.8	30	28	28	36	31	36	14	21
February8	33.60	39	39	33.6	30	28	28	36	31	36	14	21
February9	33.30	39	38	33.3	30	27	28	36	30	36	14	21
February10	33.00	39	38	33	29	27	27	35	30	36	14	21
February11	32.70	38	38	32.7	29	27	27	35	30	35	14	20
February12	32.40	38	38	32.4	29	27	27	35	30	35	14	20
February13	32.10	38	37	32.1	29	26	27	35	29	35	13	20
February14	31.80	37	37	31.8	28	26	26	34	29	35	13	20
February15	31.50	37	37	31.5	28	26	26	34	29	34	13	20
February16	31.20	37	36	31.2	28	26	26	34	29	34	13	19
February17	30.80	36	36	30.8	28	25	25	33	28	34	12	19
February18	30.50	36	36	30.5	27	25	25	33	28	33	12	19
February19	30.20	36	35	30.2	27	25	25	33	28	33	12	19
February20	29.80	35	35	29.8	27	24	25	32	27	33	12	18
February21	29.40	35	35	29.4	27	24	24	32	27	32	12	18

Design Day Temperature Lookup			
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	KMCI	KBRL	KIRK	KMCI	KMWA	KPAH	KPOF	KSPI	KSTL	KUIN	KCSG	KGVL
February22	29.10	34	34	29.1	26	24	24	31	27	32	11	18
February23	28.70	34	34	28.7	26	23	24	31	26	32	11	18
February24	28.30	34	33	28.3	26	23	23	31	26	31	11	17
February25	27.90	33	33	27.9	25	23	23	30	26	31	11	17
February26	27.60	33	33	27.6	25	22	23	30	25	30	11	17
February27	27.20	32	32	27.2	25	22	22	30	25	30	10	17
February28	26.80	32	32	26.8	24	22	22	29	25	30	10	17
February29	26.60	32	32	26.6	24	22	22	29	24	29	10	16
March1	26.40	31	31	26.4	24	21	22	29	24	29	10	16
March2	26.00	31	31	26	24	21	21	28	24	29	10	16
March3	25.60	31	31	25.6	23	21	21	28	24	28	10	16
March4	25.20	30	30	25.2	23	21	21	28	23	28	9	16
March5	24.80	30	30	24.8	23	20	20	27	23	28	9	15
March6	24.40	29	29	24.4	22	20	20	27	23	27	9	15
March7	24.00	29	29	24	22	20	20	26	22	27	9	15
March8	23.60	28	29	23.6	22	19	19	26	22	26	9	15
March9	23.20	28	28	23.2	21	19	19	26	21	26	8	14
March10	22.80	28	28	22.8	21	19	19	25	21	26	8	14
March11	22.40	27	27	22.4	21	18	18	25	21	25	8	14
March12	22.00	27	27	22	20	18	18	24	20	25	8	14
March13	21.60	26	27	21.6	20	18	18	24	20	24	8	13
March14	21.20	26	26	21.2	20	17	17	24	20	24	7	13
March15	20.80	26	26	20.8	19	17	17	23	19	23	7	13
March16	20.40	25	25	20.4	19	17	17	23	19	23	7	12
March17	20.10	25	25	20.1	19	17	16	22	19	23	7	12
March18	19.70	24	25	19.7	18	16	16	22	18	22	7	12
March19	19.40	24	24	19.4	18	16	16	22	18	22	7	12
March20	19.00	23	24	19	17	16	15	21	17	22	6	11
March21	18.70	23	23	18.7	17	15	15	21	17	21	6	11
March22	18.30	23	23	18.3	17	15	15	21	17	21	6	11
March23	18.00	22	23	18	16	15	15	20	16	20	6	11
March24	17.60	22	22	17.6	16	14	14	20	16	20	6	10
March25	17.30	22	22	17.3	16	14	14	19	16	20	6	10
March26	17.00	21	22	17	15	14	14	19	15	19	5	10
March27	16.70	21	21	16.7	15	14	13	19	15	19	5	10
March28	16.30	20	21	16.3	15	13	13	18	15	19	5	10
March29	16.00	20	21	16	14	13	13	18	14	18	5	9
March30	15.70	20	20	15.7	14	13	12	18	14	18	5	9
March31	15.40	19	20	15.4	14	12	12	17	14	17	5	9
April1	15.10	19	20	15.1	13	12	12	17	14	17	4	9
April2	14.80	18	19	14.8	13	12	11	17	13	17	4	9
April3	14.50	18	19	14.5	13	12	11	16	13	16	4	8
April4	14.20	18	18	14.2	13	11	11	16	13	16	4	8
April5	13.90	17	18	13.9	12	11	10	16	12	16	4	8
April6	13.70	17	18	13.7	12	11	10	15	12	15	4	8
April7	13.40	16	17	13.4	12	10	10	15	11	15	4	8
April8	13.10	16	17	13.1	11	10	10	15	11	15	3	7
April9	12.90	16	17	12.9	11	10	9	14	11	14	3	7
April10	12.60	15	16	12.6	11	10	9	14	11	14	3	7
April11	12.30	15	16	12.3	10	9	9	14	10	14	3	7
April12	12.00	15	16	12	10	9	9	13	10	13	3	7
April13	11.80	14	15	11.8	10	9	8	13	10	13	3	6
April14	11.50	14	15	11.5	10	9	8	13	9	13	3	6

Calendar Date	KMCI	KBRL	KIRK	KMCI	KMWA	KPAH	KPOF	KSPI	KSTL	KUIN	KCSG	KGVL
April15	11.20	13	15	11.2	9	8	8	12	9	12	2	6
April16	10.90	13	14	10.9	9	8	7	12	9	12	2	6
April17	10.60	13	14	10.6	9	8	7	12	8	12	2	5
April18	10.30	12	14	10.3	8	7	7	11	8	12	2	5
April19	10.00	12	13	10	8	7	7	11	8	11	2	5
April20	9.70	12	13	9.7	8	7	6	11	8	11	2	5
April21	9.40	11	13	9.4	8	7	6	10	7	11	2	5
April22	9.10	11	12	9.1	7	6	6	10	7	10	1	4
April23	8.90	11	12	8.9	7	6	6	10	7	10	1	4
April24	8.60	10	12	8.6	7	6	5	9	6	10	1	4
April25	8.30	10	11	8.3	6	5	5	9	6	9	1	4
April26	8.00	10	11	8	6	5	5	9	6	9	1	4
April27	7.80	9	11	7.8	6	5	5	8	6	9	1	3
April28	7.50	9	10	7.5	6	5	4	8	5	8	1	3
April29	7.20	9	10	7.2	5	5	4	8	5	8	1	3
April30	6.90	8	10	6.9	5	4	4	7	5	8	1	3
May1	6.70	8	9	6.7	5	4	4	7	5	8	1	3
May2	6.40	8	9	6.4	5	4	3	7	4	7	1	3
May3	6.10	7	9	6.1	4	4	3	7	4	7	1	2
May4	5.90	7	8	5.9	4	3	3	6	4	7	1	2
May5	5.70	7	8	5.7	4	3	3	6	4	6	1	2
May6	5.40	7	8	5.4	4	3	3	6	4	6	0	2
May7	5.20	6	7	5.2	4	3	3	6	3	6	0	2
May8	5.00	6	7	5	3	3	2	5	3	6	0	2
May9	4.80	6	7	4.8	3	3	2	5	3	6	0	2
May10	4.50	6	7	4.5	3	3	2	5	3	5	0	2
May11	4.30	5	6	4.3	3	3	2	5	3	5	0	1
May12	4.10	5	6	4.1	3	2	2	5	3	5	0	1
May13	3.90	5	6	3.9	3	2	2	4	3	5	0	1
May14	3.70	5	6	3.7	3	2	2	4	3	5	0	1
May15	3.60	5	5	3.6	3	2	2	4	3	4	0	1
May16	3.40	4	5	3.4	3	2	2	4	2	4	0	1
May17	3.20	4	5	3.2	2	2	2	4	2	4	0	1
May18	3.00	4	5	3	2	2	2	4	2	4	0	1
May19	2.80	4	5	2.8	2	2	1	3	2	4	0	1
May20	2.70	4	4	2.7	2	2	1	3	2	4	0	1
May21	2.50	3	4	2.5	2	1	1	3	2	3	0	1
May22	2.30	3	4	2.3	2	1	1	3	2	3	0	1
May23	2.10	3	4	2.1	2	1	1	3	1	3	0	1
May24	1.90	3	3	1.9	2	1	1	3	1	3	0	1
May25	1.80	3	3	1.8	1	1	1	2	1	3	0	1
May26	1.60	3	3	1.6	1	1	1	2	1	3	0	1
May27	1.50	2	3	1.5	1	1	1	2	1	2	0	0
May28	1.40	2	3	1.4	1	1	1	2	1	2	0	0
May29	1.30	2	2	1.3	1	1	1	2	1	2	0	0
May30	1.20	2	2	1.2	1	1	1	2	1	2	0	0
May31	1.00	2	2	1	1	1	0	2	1	2	0	0
June1	0.90	2	2	0.9	1	0	0	1	1	2	0	0
June2	0.80	2	2	0.8	1	0	0	1	1	2	0	0
June3	0.70	1	2	0.7	1	0	0	1	1	1	0	0
June4	0.60	1	2	0.6	1	0	0	1	0	1	0	0
June5	0.50	1	1	0.5	1	0	0	1	0	1	0	0
June6	0.50	1	1	0.5	0	0	0	1	0	1	0	0

Calendar Date	KMCI	KBRL	KIRK	KMCI	KMWA	KPAH	KPOF	KSPI	KSTL	KUIN	KCSG	KGVL
July30	-	0	0	0	0	0	0	0	0	0	0	0
July31	-	0	0	0	0	0	0	0	0	0	0	0
August1	-	0	0	0	0	0	0	0	0	0	0	0
August2	-	0	0	0	0	0	0	0	0	0	0	0
August3	-	0	0	0	0	0	0	0	0	0	0	0
August4	-	0	0	0	0	0	0	0	0	0	0	0
August5	-	0	0	0	0	0	0	0	0	0	0	0
August6	-	0	0	0	0	0	0	0	0	0	0	0
August7	-	0	0	0	0	0	0	0	0	0	0	0
August8	-	0	0	0	0	0	0	0	0	0	0	0
August9	-	0	0	0	0	0	0	0	0	0	0	0
August10	-	0	0	0	0	0	0	0	0	0	0	0
August11	-	0	0	0	0	0	0	0	0	0	0	0
August12	-	0	0	0	0	0	0	0	0	0	0	0
August13	-	0	0	0	0	0	0	0	0	0	0	0
August14	-	0	0	0	0	0	0	0	0	0	0	0
August15	-	0	0	0	0	0	0	0	0	0	0	0
August16	-	0	0	0	0	0	0	0	0	0	0	0
August17	-	0	0	0	0	0	0	0	0	0	0	0
August18	-	0	0	0	0	0	0	0	0	0	0	0
August19	-	0	0	0	0	0	0	0	0	0	0	0
August20	-	0	0	0	0	0	0	0	0	0	0	0
August21	-	0	0	0	0	0	0	0	0	0	0	0
August22	-	0	0	0	0	0	0	0	0	0	0	0
August23	0.10	0	0	0.1	0	0	0	0	0	0	0	0
August24	0.10	0	0	0.1	0	0	0	0	0	0	0	0
August25	0.10	0	0	0.1	0	0	0	0	0	0	0	0
August26	0.10	0	0	0.1	0	0	0	0	0	0	0	0
August27	0.10	0	0	0.1	0	0	0	0	0	0	0	0
August28	0.10	0	1	0.1	0	0	0	0	0	0	0	0
August29	0.20	0	1	0.2	0	0	0	0	0	0	0	0
August30	0.20	1	1	0.2	0	0	0	0	0	0	0	0
August31	0.30	1	1	0.3	0	0	0	0	0	0	0	0
September1	0.30	1	1	0.3	0	0	0	0	0	0	0	0
September2	0.40	1	1	0.4	0	0	0	0	0	1	0	0
September3	0.40	1	1	0.4	0	0	0	0	0	1	0	0
September4	0.50	1	1	0.5	0	0	0	1	0	1	0	0
September5	0.50	1	1	0.5	0	0	0	1	0	1	0	0
September6	0.60	1	1	0.6	0	0	0	1	0	1	0	0
September7	0.70	1	1	0.7	0	0	0	1	0	1	0	0
September8	0.80	1	2	0.8	0	0	0	1	0	1	0	0
September9	0.90	1	2	0.9	0	0	0	1	0	1	0	0
September10	1.00	1	2	1	1	0	0	1	0	1	0	0
September11	1.10	2	2	1.1	1	0	0	1	0	1	0	0
September12	1.30	2	2	1.3	1	0	0	1	1	2	0	0
September13	1.40	2	3	1.4	1	1	0	2	1	2	0	0
September14	1.50	2	3	1.5	1	1	0	2	1	2	0	0
September15	1.70	2	3	1.7	1	1	1	2	1	2	0	0
September16	1.80	3	3	1.8	1	1	1	2	1	2	0	0
September17	2.00	3	3	2	2	1	1	3	1	3	0	0
September18	2.10	3	4	2.1	2	1	1	3	1	3	0	0
September19	2.20	3	4	2.2	2	1	1	3	2	3	0	0
September20	2.40	4	4	2.4	2	2	1	3	2	3	0	0

Calendar Date	KMCI	KBRL	KIRK	KMCI	KMWA	KPAH	KPOF	KSPI	KSTL	KUIN	KCSG	KGVL
September21	2.50	4	5	2.5	2	2	1	3	2	4	0	1
September22	2.70	4	5	2.7	3	2	2	4	2	4	0	1
September23	2.80	4	5	2.8	3	2	2	4	2	4	0	1
September24	3.00	5	5	3	3	2	2	4	2	5	0	1
September25	3.30	5	6	3.3	3	3	2	5	3	5	0	1
September26	3.50	5	6	3.5	3	3	2	5	3	5	0	1
September27	3.70	6	6	3.7	4	3	3	5	3	6	0	1
September28	4.00	6	7	4	4	3	3	6	3	6	0	1
September29	4.20	6	7	4.2	4	4	3	6	4	6	0	1
September30	4.50	7	7	4.5	4	4	3	6	4	6	0	2
October1	4.70	7	8	4.7	5	4	4	6	4	7	0	2
October2	5.00	7	8	5	5	4	4	7	4	7	0	2
October3	5.30	8	8	5.3	5	4	4	7	4	7	0	2
October4	5.50	8	9	5.5	5	5	4	7	5	7	0	2
October5	5.80	8	9	5.8	5	5	4	8	5	8	1	2
October6	6.20	9	9	6.2	6	5	5	8	5	8	1	3
October7	6.50	9	9	6.5	6	5	5	8	5	8	1	3
October8	6.80	9	10	6.8	6	6	5	8	6	9	1	3
October9	7.10	10	10	7.1	6	6	5	9	6	9	1	3
October10	7.40	10	10	7.4	7	6	5	9	6	9	1	3
October11	7.70	10	11	7.7	7	6	6	9	6	9	1	4
October12	7.90	10	11	7.9	7	6	6	9	6	10	1	4
October13	8.20	11	11	8.2	7	7	6	10	7	10	1	4
October14	8.60	11	11	8.6	8	7	6	10	7	10	1	4
October15	8.90	11	12	8.9	8	7	7	10	7	10	1	4
October16	9.20	12	12	9.2	8	7	7	11	7	11	1	4
October17	9.60	12	12	9.6	8	7	7	11	8	11	2	5
October18	10.00	12	13	10	9	8	7	11	8	11	2	5
October19	10.40	13	13	10.4	9	8	8	11	8	12	2	5
October20	10.70	13	13	10.7	9	8	8	12	8	12	2	5
October21	11.10	13	14	11.1	9	8	8	12	9	12	2	6
October22	11.50	14	14	11.5	10	9	8	12	9	12	3	6
October23	11.90	14	14	11.9	10	9	9	12	9	13	3	6
October24	12.30	14	15	12.3	10	9	9	13	10	13	3	6
October25	12.70	15	15	12.7	11	9	9	13	10	13	3	7
October26	13.10	15	15	13.1	11	10	9	13	10	14	4	7
October27	13.50	16	16	13.5	11	10	10	14	10	14	4	7
October28	13.90	16	16	13.9	12	10	10	14	11	14	4	7
October29	14.30	16	17	14.3	12	11	10	14	11	15	4	8
October30	14.70	17	17	14.7	12	11	11	15	11	15	5	8
October31	15.10	17	17	15.1	13	11	11	15	12	15	5	8
November1	15.50	18	18	15.5	13	12	11	15	12	16	5	8
November2	15.90	18	18	15.9	13	12	12	16	12	16	5	9
November3	16.30	19	19	16.3	13	12	12	16	13	17	6	9
November4	16.70	19	19	16.7	14	12	12	17	13	17	6	9
November5	17.20	19	20	17.2	14	13	13	17	14	17	6	9
November6	17.60	20	20	17.6	14	13	13	17	14	18	6	10
November7	18.00	20	20	18	15	14	13	18	14	18	7	10
November8	18.40	21	21	18.4	15	14	14	18	15	19	7	10
November9	18.90	21	21	18.9	16	14	14	19	15	19	7	10
November10	19.30	22	22	19.3	16	15	14	19	16	20	7	11
November11	19.70	23	22	19.7	16	15	15	20	16	20	8	11
November12	20.10	23	23	20.1	17	15	15	20	17	21	8	11

Calendar Date	KMCI	KBRL	KIRK	KMCI	KMWA	KPAH	KPOF	KSPI	KSTL	KUIN	KCSG	KGVL
November13	20.50	24	23	20.5	17	16	16	21	17	21	8	12
November14	21.00	24	24	21	17	16	16	21	17	22	8	12
November15	21.40	25	25	21.4	18	17	16	21	18	22	8	12
November16	21.80	25	25	21.8	18	17	17	22	18	23	9	13
November17	22.20	26	26	22.2	19	17	17	22	19	23	9	13
November18	22.60	26	26	22.6	19	18	18	23	19	24	9	13
November19	23.00	27	27	23	19	18	18	24	20	24	9	14
November20	23.40	27	27	23.4	20	19	19	24	20	25	10	14
November21	23.80	28	28	23.8	20	19	19	25	21	25	10	14
November22	24.20	29	28	24.2	21	20	20	25	21	26	10	15
November23	24.60	29	29	24.6	21	20	20	26	22	26	10	15
November24	25.00	30	29	25	22	20	20	26	22	27	11	15
November25	25.40	30	30	25.4	22	21	21	27	23	27	11	16
November26	25.80	31	30	25.8	22	21	21	27	23	28	11	16
November27	26.10	31	31	26.1	23	22	22	28	24	28	11	16
November28	26.50	32	31	26.5	23	22	22	28	24	29	11	17
November29	26.90	32	32	26.9	24	23	23	29	25	29	12	17
November30	27.20	33	32	27.2	24	23	23	29	25	30	12	17
December1	27.60	33	33	27.6	25	23	23	30	26	30	12	18
December2	27.90	34	33	27.9	25	24	24	30	26	31	12	18
December3	28.30	34	33	28.3	25	24	24	30	26	31	12	18
December4	28.60	35	34	28.6	26	24	25	31	27	32	13	19
December5	28.90	35	34	28.9	26	25	25	31	27	32	13	19
December6	29.30	35	35	29.3	27	25	25	32	28	32	13	19
December7	29.60	36	35	29.6	27	26	26	32	28	33	13	20
December8	29.90	36	35	29.9	27	26	26	33	28	33	13	20
December9	30.20	37	36	30.2	28	26	26	33	29	34	14	20
December10	30.50	37	36	30.5	28	26	27	33	29	34	14	20
December11	30.80	37	36	30.8	28	27	27	34	29	34	14	21
December12	31.10	38	37	31.1	29	27	27	34	30	35	14	21
December13	31.40	38	37	31.4	29	27	28	34	30	35	14	21
December14	31.60	38	37	31.6	29	28	28	35	30	35	14	21
December15	31.90	38	38	31.9	29	28	28	35	31	35	15	21
December16	32.20	39	38	32.2	30	28	28	35	31	36	15	22
December17	32.40	39	38	32.4	30	28	29	35	31	36	15	22
December18	32.70	39	38	32.7	30	28	29	36	31	36	15	22
December19	32.90	39	39	32.9	30	29	29	36	31	36	15	22
December20	33.10	40	39	33.1	31	29	29	36	32	37	15	22
December21	33.40	40	39	33.4	31	29	30	36	32	37	15	23
December22	33.60	40	39	33.6	31	29	30	37	32	37	16	23
December23	33.80	40	39	33.8	31	29	30	37	32	37	16	23
December24	34.00	40	39	34	32	29	30	37	32	37	16	23
December25	34.20	40	40	34.2	32	30	30	37	33	38	16	23
December26	34.40	41	40	34.4	32	30	30	37	33	38	16	23
December27	34.60	41	40	34.6	32	30	30	37	33	38	16	23
December28	34.70	41	40	34.7	32	30	31	37	33	38	16	23
December29	34.90	41	40	34.9	32	30	31	38	33	38	16	23
December30	35.10	41	40	35.1	32	30	31	38	33	38	17	24
December31	35.20	41	40	35.2	32	30	31	38	33	38	17	24

Calendar Date

KMCI

KBRL

KIRK

KMCI

KMWA

KPAH

KPOF

KSPI

KSTL

KUIN

KCSG

KGVL

