

**BEFORE THE STATE CORPORATION COMMISSION
OF THE STATE OF KANSAS**

In the Matter of the Application of Black)
Hills/Kansas Gas Utility Company, LLC,) **Docket No. 21-BHCG-418-RTS**
d/b/a Black Hills Energy, for Approval of)
the Commission to Make Certain Changes)
in its Rates for Natural Gas Service)

DIRECT TESTIMONY

PREPARED BY

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UTILITIES DIVISION

KANSAS CORPORATION COMMISSION

September 10, 2021

I. STATEMENT OF QUALIFICATIONS

Q. Please give your name, employer, and business address.

A. Lana J. Ellis, Kansas Corporation Commission, 1500 S.W. Arrowhead Road, Topeka, Kansas, 66604-4027.

Q. What is your position at the Kansas Corporation Commission (Commission)?

A. I am employed as Deputy Chief of the Economics and Rates Section of the Utilities Division.

Q. Please describe your education background and business experience.

A. I have a B.S.B.A with a major in Honors Economics from Missouri Western State University, an M.A. in economics and an interdisciplinary studies Ph.D. in economics and political science from the University of Missouri-Kansas City, an M.B.A. from Rockhurst University, and a J.D. from Seattle University. Before I began my employment with the Commission in 2010, I worked for Sprint Corporation, serving primarily in strategic planning and market research positions. In addition, I have taught university-level business and economics courses as an adjunct instructor at several universities.

Q. Have you previously testified before the Commission?

A. Yes, I filed testimony in Docket Nos. 14-KCPE-272-RTS, 14-BHCG-502-RTS, 15-WSEE-181-TAR, 16-KCPE-446-TAR, 17-WSEE-147-RTS, 18-WSEE-328-RTS, 18-KCPE-480-RTS, 18-KGSG-560-RTS, 19-EPDE-223-RTS, 19-ATMG-525-RTS, and 20-SPEE-169-RTS. I have also participated, as a member of Commission Staff, in a number of other dockets.

II. INTRODUCTION

Q. What is the purpose of your testimony?

A. The purpose of my testimony is to sponsor Staff's Weather Normalization Adjustment (WNA), Customer Annualization Adjustment (CAA), and the reversal of Black Hills' Irrigation Adjustment.

Q. How is your testimony organized?

A. First, I will discuss the Weather Normalization and Customer Annualization Adjustments. Then, I will discuss the Irrigation Adjustment. I conclude by recommending the Commission adopt Staff’s Weather Normalization and Customer Annualization Adjustments and reject Black Hills’ Irrigation Adjustment.

III. WEATHER NORMALIZATION ADJUSTMENT

Purpose

Q. What is the purpose of weather normalizing gas usage?

A. The purpose of weather normalization is to remove the effect of non-normal weather conditions on test year usage and revenue collections. Some uses for natural gas, such as space heating and water heating, are sensitive to temperature—increasing when temperatures fall and decreasing when temperatures rise. Thus, if a test year is warmer than normal, test-year usage and revenue will be lower than normal. However, if the test year is cooler than normal, test-year usage and revenue will be higher than normal. Ultimately, this would result in rates being set too high when test year temperatures are

1 higher than normal (or too low when test year temperatures are lower than normal) for
2 the utility to collect its approved revenue requirement when weather is normal.¹

3 Like space heating, irrigation usage is affected by temperature. In addition,
4 irrigation is also sensitive to precipitation. Thus, irrigation increases during hotter and
5 drier periods and decreases during cooler and wetter periods. Therefore, if the test year
6 is cooler and wetter than normal, unadjusted volume and revenue targets will be set
7 artificially high, and rates will be set too low. Then, when the temperature is normal,
8 actual volumes will be lower than the target and the utility will not collect its revenue
9 requirement.

10 The weather normalization adjustment (WNA) is a revenue adjustment that
11 eliminates the effects of non-normal weather conditions on test year volumes and revenue
12 collections. Because test-year revenue should reflect normal ongoing operations, the
13 Commission sets rates based on weather-normalized usage. Through the weather
14 normalization process, test year volumes and revenues are adjusted to reflect the
15 difference between actual test year weather and normal weather. Hence, a weather
16 normalization adjustment is applied to test year volumes and revenue so the test year
17 revenue is reflective of normal weather.

¹ For example, during periods of colder than normal weather, a natural gas utility will sell more natural gas than they would otherwise have during normal weather. It would be inappropriate to use this above-average usage for setting rates because, as weather returns to normal, the natural gas utility will sell less natural gas than what is necessary for the company to recover its revenue requirement at the lower set rates.

1 **Process**

2 **Q. Please provide the steps for the weather normalization process.**

3 A. Staff's weather normalization process can be divided into four steps. In the first step,
4 historical monthly usage data and customer counts are collected for the relevant customer
5 classes. Weather data is also collected for each of the assigned weather stations within
6 the service territory. In the second step, regression analysis is performed on the data to
7 develop coefficients called Weather Sensitivity Factors (WSFs), which measure the
8 weather sensitivity for each customer class and corresponding weather station. In the
9 third step, the WSFs are used to calculate volumetric adjustments. In the last step, the
10 volumetric adjustments are used to calculate revenue requirement adjustments that
11 correct for deviations from normal weather for each customer class and corresponding
12 weather station. Each of these steps is discussed in more detail below.

13 **Data Collection**

14 **Q. Who provided the customer usage and customer count data?**

15 A. Black Hills provided the necessary data for all of its customer classes. Black Hills also
16 assigned the members of the customer classes to the closest first-order weather station.²
17 With this data, Staff calculated the per capita usage for each customer class by weather
18 station.

² A first-order weather station is a site where weather observations are taken by National Weather Service employees or other certified observers, which results in more accurate and complete data. Staff's Correlation analysis showed high correlation between the selected first-order weather stations and their matching pairs—Hutchison, Wichita 0.996822333; Dodge City, Concordia 0.995525837; Liberal, Dodge City 0.997715415; Garden City, Dodge City 0.998773326; Topeka; Concordia 0.99670986.

1 **Q. What is the source of weather data Staff used for its analysis?**

2 A. Black Hills provided weather data for the weather stations within its territory.
3 Specifically, Black Hills provided heating degree days (HDDs), temperature, and
4 precipitation data for Concordia, Wichita, Topeka, Dodge City, Goodland, Hutchison,
5 Liberal, and Garden City for the period of January 2011 through December 2020. In
6 addition, Black Hills provided 10-year normals (2011-2020) for each of these weather
7 variables.

8 **Q. Please explain what HDDs are.**

9 A. HDDs are weather variables that measure deviations from an established base
10 temperature (in this case, 65 degrees).³ Thus, HDDs measure how cool the average daily
11 temperature was relative to the base temperature. In terms of weather normalization for
12 gas usage, HDDs indicate customer demand for space heating—the greater the number
13 of HDDs, the cooler the weather, thus a greater demand for space heating. Similarly,
14 temperature and precipitation, indicate customer demand for irrigation—the higher the
15 temperature and the drier the weather, the greater the demand for irrigation.

16 **Regression Analysis**

17 **Q. What is the purpose of performing a regression analysis on weather variables and**
18 **natural gas usage?**

19 A. The purpose of performing regression analysis on weather variables and natural gas usage
20 is to derive statistically significant WSFs for each weather-sensitive customer class. The

³ Heating Degree Days are weather variables based on the assumption that when the outside temperature is 65 degrees Fahrenheit, an average person will not require heating or cooling to be comfortable.
https://www.weather.gov/key/climate_heat_cool

WSFs measure the relationship between customer usage and weather for each customer class and corresponding weather station—i.e. the WSFs are the estimated parameters for the weather variables in the regression equations. The WSFs are then used to calculate volume adjustments to correct for temperature deviations from the 10-year normals for each customer class and corresponding weather station.⁴

Q. Please describe the regression model utilized in this case.

A. Staff constructed a linear regression model with per capita customer usage as the dependent variable and the monthly weather variables (HDDs, lagged HDDs, average temperature, lagged average temperature, precipitation, and lagged precipitation) as the independent variables. Because the data consists of weather-sensitive variables collected at regular intervals over an extended period of time, autocorrelation and seasonality were present in the data.⁵ Uncorrected, autocorrelation and seasonality result in distortionary time series behavior—i.e. parameters such as the mean and variance of the time series change over time.

Q. How did Staff correct for the autocorrelation and seasonality issues?

A. To correct for autocorrelation and seasonality, Staff applied autoregressive, seasonal autoregressive, and moving average terms.⁶ Including these terms in the regression

⁴ See the direct testimony of Staff Witness Dr. Robert H. Glass for a discussion of Staff's adoption of 10-year normals.

⁵ Autocorrelation is the correlation of a time series variable with earlier and later values of itself. For example, the best predictor of next period's US Gross Domestic Product (GDP) is this period's GDP plus or minus a small percentage change because US GDP is autocorrelated. Seasonality in time series data are regular patterns in the data—air conditioning usage increases in the spring through the summer and then decreases in the fall through the winter.

⁶ An AR(1) term is a first order autoregressive term and is defined as: $y_t = \rho_1 y_{t-1} + \varepsilon_t$. Notice that y_t is dependent upon the previous realization of y , y_{t-1} . The dependence of y_t on y_{t-1} means that y_t is not only dependent on the current period's error term but also on the previous period's error term. The correlation of the error terms violates the classical regression assumption that errors terms are uncorrelated. The use of the AR(1) term compensates for autocorrelated errors if the autocorrelation is of a first order autoregressive nature. An SAR(12) term is a seasonal

equations substantially improved the standard error and the information metrics of the data analysis.

Volumetric Adjustment

Q. Please describe the process used to calculate the volumetric usage adjustments.

A. To calculate the appropriate volumetric adjustment to usage, the actual weather variables were subtracted from the normal weather variables for each month of the test year. The difference was multiplied by the pertinent WSFs. The result is the estimated change in average usage attributable to deviations from normal weather, which is then multiplied by the monthly class customer counts for each weather station.⁷ The sum of all these adjustments is the total weather normalized volumetric adjustment.

Revenue Adjustment

Q. Please describe the process used for calculating the revenue adjustment.

A. To calculate the revenue adjustment, the volumetric usage adjustments for each tariff class were multiplied by the appropriate volumetric rate for that customer class.⁸ The

autoregressive term with lag of 12. It adds a polynomial with a lag of 12 to an existing AR specification. For example, an AR(1) and SAR(12) is defined as: $y_t = \rho_1 y_{t-1} + \varepsilon_t$ and $\varphi_{12} y_{t-12} + \varepsilon_t$, and when combined, $y_t = \rho_1 y_{t-1} + \varphi_{12} y_{t-12} - \rho_1 \varphi_{12} y_{t-13} + \varepsilon_t$. The multiplication of the regular (ρ) and the seasonal (φ) autoregressive terms for the parameter y_{t-13} provides the non-linear effect.

An MA(1) term is a first order moving average term. It is defined as: $y_t = \varepsilon_t + \theta_1 \varepsilon_{t-1}$. Notice that y_t is dependent on both the current error term, ε_t , and the previous period error term, ε_{t-1} . Thus the error terms are correlated. The MA(1) term compensates for the fact that the current period and previous period error terms are part of the equation. A SMA(12) term is a seasonal moving average term with lag of 12. It adds a polynomial with lag of 12 to an existing MA specification. For example, an MA(1) and SMA(12) term is defined as: $y_t = \theta_1 \varepsilon_{t-1} + \varepsilon_t$ and $y_t = \omega_{12} \varepsilon_{t-12} + \varepsilon_t$, and when combined, $y_t = \theta_1 \varepsilon_{t-1} + \omega_{12} \varepsilon_{t-12} + \theta_1 \omega_{12} \varepsilon_{t-13} + \varepsilon_t$. The non-linearity is the same as in the autoregressive process except for the change in sign from minus to plus.

$$^7 \left(\begin{array}{c} \text{Estimated} \\ \text{effect on usage} \end{array} \right) = \left[\left(\begin{array}{c} \text{Normal} \\ \text{HDDs, Temperature, or Precipitation} \end{array} \right) - \left(\begin{array}{c} \text{Actual} \\ \text{HDDs, Temperature, or Precipitation} \end{array} \right) \right] * (WSF) * (Customer Count)$$

$$^8 \left(\begin{array}{c} \text{Estimated} \\ \text{effect on revenue collection} \end{array} \right) = \left(\begin{array}{c} \text{Volumetric} \\ \text{Sales Adjustment} \end{array} \right) * \left(\begin{array}{c} \text{Applicable} \\ \text{Tariff Rate} \end{array} \right)$$

result is the estimated revenue adjustment necessary to adjust test year revenues to reflect weather-normalized usage for that class. The sum of all the class adjustments is the total weather normalization revenue adjustment.

Results and Recommendation

Q. What were the results of Staff's weather normalization analysis?

A. Staff's analysis indicated Black Hills sold approximately three million therms less than it otherwise would have if weather conditions had been normal during the test year. Specifically, Staff's weather normalization analysis results in a volumetric adjustment of 2,851,094 therms, resulting in a revenue increase of \$455,879 as shown in Table 1 below.

Table 1

Staff's Weather Normalization			
	Customer Classification	Volumetric Adjustment	Revenue Adjustment
RS-1	Residential	1,801,380	303,226
SC-1	Commercial	465,498	78,357
SVF	Small Voluum Firm	261,877	38,496
LVF	Large Voluum Firm	64,101	4,359
SVI	Small Voluum Interruptible	17,194	2,528
LVI	Large Voluum Interruptible	6,478	440
SCTS-A	Commercial Transport	29,421	4,952
SVTS-A	Small Voluum Transport	96,082	14,124
LVTS	Large Voluum Transport	225,524	15,336
IR	Irrigation	(93,293)	(4,758)
ITS-A	Irrigation Transport	(23,168)	(1,182)
Total		2,851,094	455,879

For comparison, Black Hills' weather normalization volumetric adjustment was 2,569,834 therms, resulting in a revenue increase of \$430,452. Thus, Staff proposes an adjustment of \$25,427, the difference between Staff's and the Company's results. Staff's

1 regression results are attached in Exhibit LJE-1. Staff's weather normalization
2 volumetric and revenue adjustments are attached in Exhibit LJE-2.

3 **Q. What is your recommendation with regards to the weather normalization**
4 **adjustment?**

5 A. Since the weather experienced in Black Hills' service territory during the test year
6 deviated from normal weather for that area (i.e. it was warmer than normal), an
7 adjustment is necessary to ensure test year revenue reflects the Company's normal
8 ongoing operations. Therefore, I recommend the Commission accept Staff's weather
9 normalization revenue adjustment of \$25,427.

10 IV. CUSTOMER ANNUALIZATION ADJUSTMENT

11 Purpose

12 **Q. What is the purpose of annualizing customer counts?**

13 A. Because test-year revenue should reflect normal ongoing operations, the Commission
14 sets rates based on the current number of customers and their usage. Hence, a customer
15 annualization adjustment is applied to the test year billing determinants so the test year
16 customer counts, volumes, and revenue are reflective of the current number of customers.
17 Customer annualization adjusts test year customer counts, volumes, and revenues to
18 reflect the difference between actual test year customer counts and year-end customer
19 counts. Thus, the adjustment represents the revenue Black Hills would have received if
20 the number of customers at year-end had received service throughout the entire test year.

1 **Process**

2 **Q. Please provide a brief description of the customer annualization process.**

3 A. The customer annualization process can be divided into five steps. In the first step,
4 historical monthly usage data and customer counts are collected for the relevant customer
5 classes. In the second step, customer coefficients are calculated. In the third step, these
6 customer coefficients are used to adjust the monthly customer counts. In the fourth step,
7 the adjusted customer counts are used to calculate volumetric adjustments. In the final
8 step, the adjusted customer counts and volumetric adjustments are used to calculate
9 revenue adjustments that reflect the number of customers for each customer class Black
10 Hills was serving at the end of the test year. Each of these steps is explained in further
11 detail below.

12 **Data Collection**

13 **Q. How did Staff obtain the customer counts per customer class and weather station?**

14 A. As discussed above, Black Hills supplied monthly customer counts for each rate class by
15 weather station.

16 **Customer Coefficient Calculations**

17 **Q. How did you calculate the customer coefficients?**

18 A. The customer coefficient represents the change in customer counts each month, assuming
19 the change occurs at a constant rate throughout the year. Staff calculated customer
20 coefficients by subtracting December 2019 customer counts from December 2020
21 customer counts for each rate class and weather station. This value was then divided by
22 twelve to evenly spread the difference across the twelve test-year months.

1 **Customer Count Adjustment**

2 **Q. Please describe how the customer coefficients are used to calculate the annualized**
3 **monthly customer counts?**

4 A. Beginning in January of the test year, the customer coefficient is multiplied by 11.5,
5 February's customer coefficient is multiplied by 10.5, and so on until December, when
6 the customer coefficient is multiplied by 0.5.

7 **Q. Why did Staff annualize customer counts using this method?**

8 A. Staff annualized customer counts using this method for two reasons. First, it simulates
9 the Company serving the same number of customers during the entire test year as it was
10 serving at the end of the test year. Second, by multiplying the customer coefficient by
11 11.5 and so on, Staff is approximating the change in the number of bills resulting from
12 customers joining at different times throughout the month instead of all joining at the
13 beginning of the month. This method preserves the seasonality of the data in contrast to
14 just substituting in the final month's customer count for each month.

15 **Volumetric Adjustment**

16 **Q. How did you calculate the volume adjustment?**

17 A. In order to derive annualized monthly volumes, Staff multiplied the annualized customer
18 count times the average monthly weather normalized volumes across each rate class and
19 corresponding weather station.

20 **Revenue Adjustment**

21 **Q. How did you calculate the revenue adjustment?**

22 A. To calculate the monthly adjusted revenues, Staff added the product of the annualized
23 customer count and the corresponding basic service charge to the product of the

annualized monthly volumes (determined in the previous calculation) and the corresponding volumetric charges. The final test year adjustment is the sum of adjusted revenues associated with the customer annualization across all months in the test year according to customer class and corresponding weather station.

Results and Recommendation

Q. What customer annualization adjustment are you recommending?

A. Staff's calculation results in a volumetric adjustment of 564,169 therms and a revenue increase of \$126,806 as shown in Table 2.

Table 2

Customer Annualization				
Customer Classification		Customer Count Adjustment	Volumetric Adjustment	Revenue Adjustment
RS-1	Residential	412	341,912	141,305
SC-1	Commercial	(143)	(216,250)	(80,759)
SVF	Small Voluum Firm	63	692,192	141,480
LVF	Large Voluum Firm	1	(34,955)	(378)
SVI	Small Voluum Interruptible	-	4,473	657
LVI	Large Voluum Interruptible	2	663,251	51,097
SCTS-	Commercial Transport	(34)	(210,402)	(45,845)
SVTS-	Small Voluum Transport	(11)	(226,117)	(39,913)
LVTs	Large Voluum Transport	(2)	(662,534)	(53,047)
IR	Irrigation	108	299,289	18,336
ITS-A	Irrigation Transport	(60)	(86,690)	(6,128)
		336	564,169	126,806

Q. What is your recommendation with regards to the customer annualization adjustment?

A. Black Hills did not calculate a customer annualization adjustment. Therefore, Staff recommends an adjustment of \$126,806, the difference between Staff's and Black Hills' positions. Staff's customer annualization results are attached in Exhibit LJE-3.

V. IRRIGATION ADJUSTMENT

Q. Did Black Hills propose an irrigation adjustment?

A. Yes. Black Hills proposed an irrigation adjustment to reduce revenue by \$276,953.

Q. Why does Black Hills believe an irrigation adjustment is necessary?

A. In his direct testimony, Company Witness Douglass Hyatt states "...the higher irrigation usage during the Test Year was likely the result of drier conditions that resulted in the need for increased irrigation. Based on this abnormally high usage level, the Company concluded that an adjustment to irrigation volumes was necessary to reflect more normal or average conditions."⁹

Q. How was the Company's Irrigation Adjustment calculated?

A. Black Hills calculated the five-year average usage for its irrigation customers. The Company used this five-year average as the basis for "normal" and calculated the difference between the five-year average and the actual test-year usage. This resulted in a proposed revenue adjustment of (\$276,953).¹⁰

Q. Does Staff agree it is appropriate to normalize irrigation using a simple five year average?

A. No. Because the higher test-year usage was likely the result of weather conditions that required increased irrigation, Staff does not believe it is appropriate to normalize irrigation based on a five year average. Instead, irrigation should be weather normalized along with the other customer classes as discussed above. Therefore, Staff recommends

⁹ Direct Testimony of Douglas N. Hyatt, p. 15.

¹⁰ *Ibid.* (\$222,657) and (\$54,296) for Irrigation Sales and Irrigation Transport, respectively.

1 reversal of the Company's irrigation adjustment and acceptance of Staff's weather
2 normalization adjustment for irrigation as a superior alternative.

3 **VI. CONCLUSION**

4 **Q. Should the Commission accept Staff's Weather Normalization Adjustments?**

5 A. Yes. Since the weather experienced in Black Hills' service territory during the test year
6 deviated from normal weather for that area (i.e. it was warmer than normal), an
7 adjustment is necessary to ensure test year revenue reflects the Company's normal
8 ongoing operations. Therefore, Staff recommends the Commission adopt Staff's
9 Weather Normalization Adjustment of \$25,427.

10 **Q. Should the Commission accept Staff's Customer Annualization Adjustments?**

11 A. Yes. The adjusted customer counts and volumetric adjustments are used to calculate
12 revenues that appropriately reflect the number of customers for each customer class
13 Black Hills was serving at the end of the test year. Thus, the adjustment represents the
14 revenue the Company would have received if the number of customers at year-end had
15 received service throughout the entire test year. Therefore, Staff recommends the
16 Commission adopt Staff's Customer Annualization Adjustment of \$126,806.

17 **Q. Should the Commission reject Black Hills' Irrigation Adjustment?**

18 A. Yes. Because the higher irrigation test-year usage was likely the result of drier conditions
19 that resulted in the need for increased irrigation, it is more appropriate to weather
20 normalize irrigation volumes and revenues instead of simply averaging. Therefore, Staff
21 recommends the Commission reject Black Hills' Irrigation Adjustment of (\$276,953)
22 and, alternatively, accept Staff's weather normalization irrigation adjustment.

1 **Q. Does this complete your testimony?**

2 A. Yes. Thank you.

EXHIBIT LJE-1
DOCKET NO. 21-BHCG-418-RTS
REGRESSION RESULTS
(ONLY SIGNIFICANT RESULTS SHOWN)

Dependent Variable: CON_COM_AVG				
Method: ARMA Maximum Likelihood (OPG - BHHH)				
Date: 07/14/21 Time: 10:38				
Sample: 2012M07 2020M12				
Included observations: 102				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4.855	14.231	0.341	0.734
CON_HDD	0.005	0.011	0.456	0.649
CON_HDD(-1)	0.196	0.015	12.718	-
AR(1)	0.150	0.061	2.447	0.016
AR(12)	0.707	0.052	13.704	-
SIGMASQ	228.333	25.584	8.925	-
R-squared	0.967	Mean dependent var		84.318
Adjusted R-squared	0.965	S.D. dependent var		83.639
S.E. of regression	15.576	Akaike info criter		8.474
Sum squared resid	23,290	Schwarz criterion		8.629
Log likelihood	(426)	Hannan-Quinn cr		8.537
F-statistic	563	Durbin-Watson s		1.948
Prob(F-statistic)	-			
Inverted AR Roots	0.990	.85-.49i	.85+.49i	.50-.84i
		.50+.84i	.01+.97i	.01-.97i
		-.47-.84i	-.83+.49i	-.83-.49i
				(0.960)

Dependent Variable: TOP_LARGE_AVG				
Method: ARMA Maximum Likelihood (OPG - BHHH)				
Date: 07/29/21 Time: 08:47				
Sample: 2011M02 2020M12				
Included observations: 119				
Convergence achieved after 15 iterations				
Coefficient covariance computed using outer product of gradients				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	12,535	642	19.53864	-
TOP_HDD(-1)	23.70	0.37	63.60115	-
AR(1)	0.87	0.07	12.34832	-
SAR(12)	0.31	0.08	3.79	0.00
MA(1)	(0.46)	0.12	(3.81)	0.00
SIGMASQ	1,143,751	147,745	7.74	-
R-squared	0.987	Mean dependent var		21,638.49
Adjusted R-squared	0.987	S.D. dependent var		9,454.32
S.E. of regression	1,097	Akaike info criterion		16.91
Sum squared resid	136,000,000	Schwarz criterion		17.05
Log likelihood	(999.85)	Hannan-Quinn criter.		16.96
F-statistic	1,728.75	Durbin-Watson stat		1.95
Prob(F-statistic)	0.00E+00			
Inverted AR Roots	0.91	0.87	.78+.45i	.78-.45i
	.45-.78i	.45+.78i	.00+.91i	.00-.91i
	-.45-.78i	-.45+.78i	-.78-.45i	-.78+.45i
	-0.91			
Inverted MA Roots	0.46			

Dependent Variable: TOP_SCOM_AVG				
Method: ARMA Maximum Likelihood (OPG - BHHH)				
Date: 07/29/21 Time: 09:01				
Sample: 2011M02 2020M12				
Included observations: 119				
Convergence achieved after 33 iterations				
Coefficient covariance computed using outer product of gradients				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	22.931	19.645	1.167	0.246
TOP_HDD	0.087	0.016	5.303	0.000
TOP_HDD(-1)	0.320	0.016	19.811	0.000
AR(11)	0.280	0.067	4.193	0.000
AR(12)	0.441	0.078	5.644	0.000
AR(13)	0.238	0.061	3.913	0.000
SIGMASQ	349.354	44.6613	7.822289333	3.12E-12
R-squared	0.982	Mean dependent var		182.03
Adjusted R-squared	0.981	S.D. dependent var		140.64
S.E. of regression	19.27	Akaike info criterion		8.87
Sum squared resid	41,573	Schwarz criterion		9.04
Log likelihood	(521.03)	Hannan-Quinn criter.		8.94
F-statistic	1029.2465	Durbin-Watson stat		1.76
Prob(F-statistic)	1.76E-95			
Inverted AR Roots	1	.86-.50i	.86+.50i	.48+.84i
		.48-.84i	-.00+.9i	-.00-.93i
		-.43-.76i	-.63-.46i	-.63+.46i
		-.78+.19i		

Dependent Variable: TOP_STRAN_AVG				
Method: ARMA Maximum Likelihood (OPG - BHHH)				
Date: 07/29/21 Time: 09:19				
Sample: 2011M02 2020M12				
Included observations: 119				
Convergence achieved after 23 iterations				
Coefficient covariance computed using outer product of gradients				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	337.04	47	7.16	0.00
TOP_HDD	0.263	0.06	4.57	0.00
TOP_HDD(-1)	1.727	0.07	24.59	0.00
AR(1)	0.180	0.08	2.33	0.02
AR(11)	0.243	0.080	3.02	0.00
SAR(12)	0.314	0.090	3.47	0.00
SIGMASQ	9,328	1,041	8.96	0.00
R-squared	0.984	Mean dependent var		1,107.33
Adjusted R-squared	0.98	S.D. dependent var		757.73
S.E. of regression	99.56	Akaike info criterion		12.12
Sum squared resid	1,110,076	Schwarz criterion		12.28
Log likelihood	-713.89	Hannan-Quinn criter.		12.18
F-statistic	1.12E+03	Durbin-Watson stat		1.91
Prob(F-statistic)	1.63E-97			
Inverted AR Roots	0.91	0.9	.79+.45i	.79-.45i
	.76+.47i	.76-.47i	.45+.79i	.45-.79i
	.38-.80i	.38+.80i	.00+.91i	.00-.91i
	-.11-.87i	-.11+.87i	-.45+.79i	-.45-.79i
	-.56-.66i	-.56+.66i	-.79-.45i	-.79+.45i
	-.83+.25i	-.83-.25i	-0.91	

Dependent Variable: DC_SVOL_AVG				
Method: ARMA Maximum Likelihood (OPG - BHHH)				
Date: 07/26/21 Time: 19:39				
Sample: 2011M02 2020M12				
Included observations: 119				
Convergence achieved after 17 iterations				
Coefficient covariance computed using outer product of gradients				
Variable	Coefficient	Std. Error	t-Statistic Prob.	
C	286.01	40	7.13	0.00
DC_HDD	0.45	0.06	7.31	0.00
DC_HDD(-1)	1.00	0.06	15.72	0.00
AR(1)	0.33	0.10	3.36	0.00
SAR(12)	0.41	0.07	5.53	0.00
SIGMASQ	10,340	1,204	8.59	0.00
R-squared	0.963	Mean dependent var		857.84
Adjusted R-squared	0.961	S.D. dependent var		527.95
S.E. of regression	104.35	Akaike info criterion		12.20
Sum squared resid	1,230,464	Schwarz criterion		12.34
Log likelihood	(720.03)	Hannan-Quinn criter.		12.26
F-statistic	581.51	Durbin-Watson stat		2.11
Prob(F-statistic)	7.39E-79			
Inverted AR Roots	0.93	.80+.46i	.80-.46i	.46-.80i
	.46+.80i	0.33	.00+.93i	-.00-.93i
	-.46-.80i	-.46+.80i	-.80-.46i	-.80+.46i
	-0.93			

Dependent Variable: DC_SVOL_AVG				
Method: ARMA Maximum Likelihood (OPG - BHHH)				
Date: 07/26/21 Time: 19:39				
Sample: 2011M02 2020M12				
Included observations: 119				
Convergence achieved after 17 iterations				
Coefficient covariance computed using outer product of gradients				
Variable	Coefficient	Std. Error	t-Statistic Prob.	
C	286.01	40	7.13	0.00
DC_HDD	0.45	0.06	7.31	0.00
DC_HDD(-1)	1.00	0.06	15.72	0.00
AR(1)	0.33	0.10	3.36	0.00
SAR(12)	0.41	0.07	5.53	0.00
SIGMASQ	10,340	1,204	8.59	0.00
R-squared	0.963	Mean dependent var		857.84
Adjusted R-squared	0.961	S.D. dependent var		527.95
S.E. of regression	104.35	Akaike info criterion		12.20
Sum squared resid	1,230,464	Schwarz criterion		12.34
Log likelihood	(720.03)	Hannan-Quinn criter.		12.26
F-statistic	581.51	Durbin-Watson stat		2.11
Prob(F-statistic)	7.39E-79			
Inverted AR Roots	0.93	.80+.46i	.80-.46i	.46-.80i
	.46+.80i	0.33	.00+.93i	-.00-.93i
	-.46-.80i	-.46+.80i	-.80-.46i	-.80+.46i
	-0.93			

Dependent Variable: DC_SCOM_AVG				
Method: ARMA Maximum Likelihood (OPG - BHHH)				
Date: 07/27/21 Time: 08:46				
Sample: 2011M02 2020M12				
Included observations: 119				
Failure to improve objective (non-zero gradients) after 52 iterations				
Coefficient covariance computed using outer product of gradients				
Variable	Coefficient	Std. Error	t-Statistic Prob.	
C	0.70	7	0.10	0.92
DC_HDD	0.073	0.01	5.98	0.00
DC_HDD(-1)	0.196	0.01	17.50	0.00
AR(3)	(0.002)	0.00	(6.68)	0.00
AR(12)	0.998	0	5,934.33	-
MA(12)	(0.966)	0	(68.85)	0.00
SIGMASQ	183	23	7.87	0.00
R-squared	0.981	Mean dependent var		105.66
Adjusted R-squared	0.980	S.D. dependent var		99.73
S.E. of regression	13.93	Akaike info criterion		8.34
Sum squared resid	21,747	Schwarz criterion		8.50
Log likelihood	-488.98	Hannan-Quinn criter.		8.40
F-statistic	988.68	Durbin-Watson stat		2.08
Prob(F-statistic)	0.00			
Inverted AR Roots	1	.87+.50i	.87-.50i	.50+.87i
	.50-.87i	.00+1.00i	.00-1.00i	-.50+.87i
	-.50-.87i	-.87-.50i	-.87+.50i	-1
Inverted MA Roots	1	.86-.50i	.86+.50i	.50+.86i
	.50-.86i	.00+1.00i	.00-1.00i	-.50+.86i
	-.50-.86i	-.86+.50i	-.86-.50i	-1

Dependent Variable: DC_LARGE_TRAN_AVG				
Method: ARMA Maximum Likelihood (OPG - BHHH)				
Date: 07/26/21 Time: 13:19				
Sample: 2011M02 2020M12				
Included observations: 119				
Convergence achieved after 17 iterations				
Coefficient covariance computed using outer product of gradients				
Variable	Coefficient	Std. Error	t-Statistic Prob.	
C	14,818	2,814	5.26667	0.00
@TREND	57.82	28.29	2.04377	0.04
DC_HDD(-1)	4.31	2.38	1.81428	0.07
AR(1)	0.45	0.06	7.17	0.00
AR(12)	0.44	0.07	6.34	0.00
SIGMASQ	5472899	636050	8.60451	0.00
R-squared	0.633	Mean dependent var		19,807.81
Adjusted R-squared	0.616	S.D. dependent var		3,876.24
S.E. of regression	2,401	Akaike info criteric		18.49
Sum squared resid	651274977	Schwarz criterion		18.63
Log likelihood	(1,094.01)	Hannan-Quinn crit		18.54
F-statistic	38.92	Durbin-Watson stat		1.50
Prob(F-statistic)	0.00			
Inverted AR Roots	0.98	.85-.46i	.85+.46i	.51+.80i
	.51-.80i	.04+.93i	.04-.93i	-.43-.80i
	-.43+.80i	-.78+.46i	-.78-.46i	-0.9

Dependent Variable: DC_STRAN_AVG				
Method: ARMA Maximum Likelihood (OPG - BHHH)				
Date: 07/26/21 Time: 19:48				
Sample: 2011M02 2020M12				
Included observations: 119				
Convergence achieved after 20 iterations				
Coefficient covariance computed using outer product of gradients				
Variable	Coefficient	Std. Error	t-Statistic Prob.	
C	(6.66)	17	(0.38)	0.70
DC_HDD	0.11	0.02	6.99	0.00
DC_HDD(-1)	0.26	0.02	13.91	0.00
AR(1)	0.46	0.07	6.59	0.00
SAR(12)	0.67	0.06	10.93	0.00
SIGMASQ	580	66	8.80	0.00
R-squared	0.966	Mean dependent var		137.09
Adjusted R-squared	0.965	S.D. dependent var		131.57
S.E. of regression	24.71	Akaike info criterion		9.36
Sum squared resid	69,012	Schwarz criterion		9.50
Log likelihood	(551.08)	Hannan-Quinn criter.		9.42
F-statistic	646.32	Durbin-Watson stat		2.10
Prob(F-statistic)	2.35E-81			
Inverted AR Roots	0.97	.84+.48i	.84-.48i	.48+.84i
	.48-.84i	0.46	.00+.97i	-.00-.97i
	-.48+.84i	-.48-.84i	-.84-.48i	-.84+.48i
	-0.97			

Dependent Variable: WICH_LCOM_AVG				
Method: ARMA Maximum Likelihood (OPG - BHHH)				
Date: 07/29/21 Time: 10:41				
Sample: 2011M02 2020M12				
Included observations: 119				
Convergence achieved after 11 iterations				
Coefficient covariance computed using outer product of gradients				
Variable	Coefficient	Std. Error	t-Statistic Prob.	
C	4,150	1,023	4.06	0.00
WICH_HDD	1.29	0.69	1.88	0.06
WICH_HDD(-1)	11.85	0.63	18.87	0.00
AR(1)	0.83	0.05	17.36	0.00
SAR(12)	0.42	0.08	5.33	0.00
SIGMASQ	1,300,990	123,623	10.52	0.00
R-squared	0.950	Mean dependent var		8,860.69
Adjusted R-squared	0.948	S.D. dependent var		5,136.51
S.E. of regression	1,170	Akaike info criterion		17.05
Sum squared resid	154,817,854	Schwarz criterion		17.19
Log likelihood	(1,008.33)	Hannan-Quinn criter.		17.10
F-statistic	431.87	Durbin-Watson stat		1.74
Prob(F-statistic)	6.98E-72			
Inverted AR Roots	0.93	0.83	.81+.47i	.81-.47i
	.47-.81i	.47+.81i	.00+.93i	-.00-.93i
	-.47-.81i	-.47+.81i	-.81-.47i	-.81+.47i
	-0.93			

Dependent Variable: DC_VTRAN_AVG				
Method: ARMA Maximum Likelihood (OPG - BHHH)				
Date: 07/26/21 Time: 20:05				
Sample: 2012M01 2020M12				
Included observations: 108				
Convergence achieved after 65 iterations				
Coefficient covariance computed using outer product of gradients				
Variable	Coefficient	Std. Error	t-Statistic Prob.	
C	592.68	543	1.09	0.28
DC_HDD(-1)	1.02	0.37	2.76	0.01
AR(1)	0.16	0.03	4.68	0.00
AR(12)	0.82	0.04	20.49	0.00
MA(12)	(0.50)	0.09	(5.63)	0.00
SIGMASQ	94,523	10,198	9.27	0.00
R-squared	0.698	Mean dependent var		996
Adjusted R-squared	0.683	S.D. dependent var		562
S.E. of regression	316	Akaike info criterion		14.48
Sum squared resid	10,208,530	Schwarz criterion		14.63
Log likelihood	(775.86)	Hannan-Quinn criter.		14.54
F-statistic	47.12	Durbin-Watson stat		1.66
Prob(F-statistic)	5.19E-25			
Inverted AR Roots	1	.87+.49i	.87-.49i	.51-.85i
	.51+.85i	.01+.98i	.01-.98i	-.48+.85i
	-.48-.85i	-.84+.49i	-.84-.49i	-0.97
Inverted MA Roots	0.94	.82-.47i	.82+.47i	.47+.82i
	.47-.82i	.00-.94i	-.00+.94i	-.47-.82i
	-.47+.82i	-.82+.47i	-.82-.47i	-0.94

Dependent Variable: WICH_LTRAN_AVG				
Method: ARMA Maximum Likelihood (OPG - BHHH)				
Date: 07/29/21 Time: 11:56				
Sample: 2011M02 2020M12				
Included observations: 119				
Convergence achieved after 10 iterations				
Coefficient covariance computed using outer product of gradients				
Variable	Coefficient	Std. Error	t-Statistic Prob.	
C	20,879	581.134	35.928	0.000
WICH_HDD(-1)	22.822	0.902	25.290	0.000
AR(1)	0.533	0.077	6.925	0.000
SAR(12)	0.229	0.101	2.268	0.025
SIGMASQ	3,458,093	435,207	7.946	0.000
R-squared	0.951	Mean dependent var		28,826.31
Adjusted R-squared	0.949	S.D. dependent var		8,452.85
S.E. of regression	1,900	Akaike info criterion		17.99
Sum squared resid	411,513,044	Schwarz criterion		18.10
Log likelihood	(1,065.19)	Hannan-Quinn criter		18.03
F-statistic	555	Durbin-Watson stat		2.08
Prob(F-statistic)	9.69E-74			
Inverted AR Roots	8.80E-01	.77+.44i	.77-.44i	0.53
	.44-.77i	.44+.77i	.00+.88i	.00-.88i
	-.44+.77i	-.44-.77i	-.77+.44i	-.77-.44i
	-0.88			
	-.78+.19i			

Dependent Variable: WICH_SCOM_AVG				
Method: ARMA Maximum Likelihood (OPG - BHHH)				
Date: 07/29/21 Time: 12:55				
Sample: 2011M02 2020M12				
Included observations: 119				
Convergence achieved after 36 iterations				
Coefficient covariance computed using outer product of gradients				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	15	14	1.04	0.303
WICH_HDD	0.18	0.02	8.35	-
WICH_HDD(-1)	0.37	0.02	16.06	-
AR(12)	0.99	0.03	32.84	-
MA(12)	(0.83)	0.16	(5.26)	-
SIGMASQ	783.27	103.93	7.54	-
R-squared	0.975	Mean dependent var		205.72
Adjusted R-squared	0.973	S.D. dependent var		176.22
S.E. of regression	28.720	Akaike info criterion		9.74
Sum squared resid	93,210	Schwarz criterion		9.88
Log likelihood	(573.34)	Hannan-Quinn criter.		9.79
F-statistic	865.87	Durbin-Watson stat		1.97
Prob(F-statistic)	-			
Inverted AR Roots	1	.86+.50i	.86-.50i	.50+.86i
		.50-.86i	.00+1.00i	-.00-1.00i
		-.50-.86i	-.86-.50i	-.86+.50i
Inverted MA Roots	0.98	.85+.49i	.85-.49i	.49-.85i
		.49+.85i	.00+.98i	-.00-.98i
		-.49+.85i	-.85+.49i	-.85-.49i

Dependent Variable: CON_IRR_AVG				
Method: Least Squares				
Date: 07/20/21 Time: 10:08				
Sample: 2011M01 2020M12				
Included observations: 120				
Convergence achieved after 45 iterations				
Coefficient covariance computed using outer product of gradients				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	1,303.359	1,643.016	0.793	0.429
CON_PRCP	(70.099)	30.464	(2.301)	0.023
AR(1)	0.030	0.013	2.399	0.018
AR(12)	0.969	0.013	75.382	-
MA(12)	(0.733)	0.065	(11.337)	-
SIGMASQ	454,339.100	46,600.930	9.750	-
R-squared	0.792	Mean dependent var		1,099.54
Adjusted R-squared	0.783	S.D. dependent var		1,485.33
S.E. of regression	691.558	Akaike info criterion		16.12
Sum squared resid	54520697	Schwarz criterion		16.26
Log likelihood	-961.0767	Hannan-Quinn criter.		16.17
F-statistic	86.99024	Durbin-Watson stat		1.66
Prob(F-statistic)	0			

Dependent Variable: WICH_SCTAN_AVG				
Method: ARMA Maximum Likelihood (OPG - BHHH)				
Date: 07/29/21 Time: 16:56				
Sample: 2012M01 2020M12				
Included observations: 108				
Convergence achieved after 18 iterations				
Coefficient covariance computed using outer product of gradients				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	5.04	44	0.12	0.91
WICH_HDD	0.105	0.02	4.96	2.83E-06
WICH_HDD(-1)	0.272	0.02	12.99	2.86E-23
AR(1)	0.567	0.06	9.62	6.05E-16
AR(11)	0.377	0.072	5.20	1.04E-06
SAR(12)	0.333	0.119	2.80	6.19E-03
SIGMASQ	530	69	7.64	1.25E-11
R-squared	0.965	Mean dependent var		125.04
Adjusted R-squared	0.96	S.D. dependent var		123.38
S.E. of regression	23.80	Akaike info criterion		9.31
Sum squared resid	57,233	Schwarz criterion		9.48
Log likelihood	(496)	Hannan-Quinn criter.		9.38
F-statistic	4.62E+02	Durbin-Watson stat		2.22
Prob(F-statistic)	4.59E-71			
Inverted AR Roots	0.99	0.91	.83+.48i	.83-.48i
	.79+.46i	.79-.46i	.46+.79i	.46-.79i
	.43-.82i	.43+.82i	.00-.91i	-.00+.91i
	-.08-.89i	-.08+.89i	-.46+.79i	-.46-.79i
	-.56-.68i	-.56+.68i	-.79-.46i	-.79+.46i
	-.84+.26i	-.84-.26i	-0.91	

Dependent Variable: WICH_SVTRAN_AVG				
Method: Least Squares				
Date: 07/29/21 Time: 17:05				
Sample (adjusted): 2011M02 2020M12				
Included observations: 119 after adjustments				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	379.73	26.22	14.49	8.88E-28
WICH_HDD	0.79	0.09	8.85	1.14E-14
WICH_HDD(-1)	3.18	0	36.21	4.67E-65
R-squared	0.98	Mean dependent var		1,755.31
Adjusted R-squared	0.98	S.D. dependent var		1,386.82
S.E. of regression	199.50	Akaike info criterion		13.45
Sum squared resid	4,616,622	Schwarz criterion		13.52
Log likelihood	(797.534)	Hannan-Quinn criter.		13.48
F-statistic	2,793.196	Durbin-Watson stat		1.91
Prob(F-statistic)	0.000			

Dependent Variable: DC_IRR_AVG				
Method: ARMA Maximum Likelihood (OPG - BHHH)				
Date: 07/21/21 Time: 10:08				
Sample: 2011M01 2020M12				
Included observations: 120				
Convergence achieved after 48 iterations				
Coefficient covariance computed using outer product of gradients				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	434.956	1,551.298	0.280	0.780
DC_TEMP	44.758	19.330	2.315	0.022
DC_PRCP	(257.304)	26.443	(9.731)	-
AR(12)	0.995	0.004	253.137	-
MA(1)	0.151	0.038	3.990	0.000
MA(12)	(0.804)	0.054	(14.961)	-
SIGMASQ	455708.1	50897.05	8.953527	0
R-squared	0.922	Mean dependent var		2,439.16
Adjusted R-squared	0.918	S.D. dependent var		2,425.90
S.E. of regression	696	Akaike info criterion		16.23
Sum squared resid	54,684,977	Schwarz criterion		16.40
Log likelihood	(967)	Hannan-Quinn criter.		16.30
F-statistic	222	Durbin-Watson stat		1.78
Prob(F-statistic)	0			
Inverted AR Roots	1	.87-.50i	.87+.50i	.50+.87i
		.50-.87i	.00+1.00i	-.00-1.00i
		-.50-.87i	-.87-.50i	-.87+.50i
Inverted MA Roots	0.97	.84-.49i	.84+.49i	.48-.85i
		.48+.85i	-.01-.98i	-.01+.98i
		-.50-.85i	-.86+.49i	-.86-.49i

Dependent Variable: GOOD_IRR_AVG				
Method: ARMA Maximum Likelihood (OPG - BHHH)				
Date: 08/04/21 Time: 18:27				
Sample: 2011M01 2020M12				
Included observations: 120				
Convergence achieved after 25 iterations				
Coefficient covariance computed using outer product of gradients				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	(714.466)	938.235	(0.762)	0.448
GOOD_TEMP	37.936	13.562	2.797	0.006
GOOD_PRCP	(109.133)	20.730	(5.264)	-
AR(12)	0.989	0.007	136.416	-
MA(1)	0.464	0.092	5.063	-
SMA(12)	(0.719)	0.075	(9.583)	-
SIGMASQ	155,505	19,327	8.046	-
R-squared	0.918	Mean dependent var		1,079
Adjusted R-squared	0.914	S.D. dependent var		1,384.62
S.E. of regression	406	Akaike info criterion		15.11
Sum squared resid	18,660,556	Schwarz criterion		15.28
Log likelihood	(899.83)	Hannan-Quinn criter.		15.18
F-statistic	211.42	Durbin-Watson stat		1.812887
Prob(F-statistic)	0			
Inverted AR Roots	1	.87+.50i	.87-.50i	.50+.87i
		.50-.87i	.00+1.00i	-.00-1.00i
		-.50-.87i	-.87-.50i	-.87+.50i
Inverted MA Roots	0.97	.84+.49i	.84-.49i	.49+.84i
		.49-.84i	.00+.97i	-.00-.97i
		-.49-.84i	-.49+.84i	-.84+.49i
		-0.97		

Dependent Variable: CON_IRR_AVG				
Method: Least Squares				
Date: 07/20/21 Time: 10:20				
Sample: 2011M01 2020M12				
Included observations: 119				
Convergence achieved after 45 iterations				
Coefficient covariance computed using outer product of gradients				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	904.119	1,168.917	0.773	0.441
CON_PRCP	(53.734)	21.072	(2.550)	0.012
AR(1)	0.037	0.013	2.944	0.004
AR(12)	0.961	0.013	74.837	-
MA(12)	(0.664)	0.064	(10.436)	-
SIGMASQ	225,757.000	20,939.420	10.781	-
R-squared	0.796	Mean dependent var		743.70
Adjusted R-squared	0.787	S.D. dependent var		1,056.36
S.E. of regression	487.590	Akaike info criterion		15.42
Sum squared resid	26865079	Schwarz criterion		15.56
Log likelihood	-911.6235	Hannan-Quinn criter.		15.48
F-statistic	88.17196	Durbin-Watson stat		1.43
Prob(F-statistic)	0			

Dependent Variable: DC_IRR_AVG				
Method: ARMA Maximum Likelihood (OPG - BHHH)				
Date: 07/21/21 Time: 10:04				
Sample: 2011M01 2020M12				
Included observations: 120				
Convergence achieved after 36 iterations				
Coefficient covariance computed using outer product of gradients				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	128	1,372.675	0.093	0.926
DC_TEMP	42.417	18.004	2.356	0.020
DC_PRCP	(229.870)	27.672	(8.307)	-
AR(12)	0.990	0.007	147.096	-
MA(1)	0.181	0.045	4.034	0.000
MA(12)	(0.734)	0.076	(9.659)	-
SIGMASQ	416,552	38,660	10.77488	0
R-squared	0.905	Mean dependent var		2,006
Adjusted R-squared	0.900	S.D. dependent var		2,100
S.E. of regression	665	Akaike info criterion		16.11
Sum squared resid	49,986,292	Schwarz criterion		16.27
Log likelihood	(960)	Hannan-Quinn criter.		16.18
F-statistic	179	Durbin-Watson stat		1.97
Prob(F-statistic)	0			
Inverted AR Roots	1	.87+.50i	.87-.50i	.50+.87i
		.50-.87i	.00+1.00i	-.00-1.00i
		-.50-.87i	-.87-.50i	-.87+.50i
Inverted MA Roots	0.96	.83+.49i	.83+.49i	.47-.84i
		.47+.84i	-.01-.97i	-.01+.97i
		-.50-.84i	-.86-.49i	-.86+.49i

Dependent Variable: GOOD_IRR_AVG				
Method: ARMA Maximum Likelihood (OPG - BHHH)				
Date: 08/04/21 Time: 18:18				
Sample: 2011M01 2020M12				
Included observations: 120				
Convergence achieved after 30 iterations				
Coefficient covariance computed using outer product of gradients				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	(976.816)	1,089.252	(0.897)	0.372
GOOD_TEMP	45.251	16.181	2.796	0.006
GOOD_PRCP	(134.904)	25.426	(5.306)	0.000
AR(12)	0.994	0.005	182.073	0.000
MA(1)	0.411	0.082	5.006	0.000
SMA(12)	(1)	0	(9.516)	0.000
SIGMASQ	203,019	25,160	8.069	0.000
R-squared	0.910	Mean dependent var		1,176
Adjusted R-squared	0.905	S.D. dependent var		1,509.73
S.E. of regression	464	Akaike info criterion		15.40
Sum squared resid	24,362,338	Schwarz criterion		15.57
Log likelihood	(917.17)	Hannan-Quinn criter.		15.47
F-statistic	190.84	Durbin-Watson stat		1.86171
Prob(F-statistic)	1.03E-56			
Inverted AR Roots	1	.87-.50i	.87+.50i	.50+.87i
		.50-.87i	.00+1.00i	-.00-1.00i
		-.50-.87i	-.87-.50i	-.87+.50i
Inverted MA Roots	0.98	.85+.49i	.85-.49i	.49+.85i
		.49-.85i	-.00-.98i	-.00+.98i
		-.49-.85i	-.49+.85i	-.85+.49i
		-.098		

Dependent Variable: GOOD_LTRAN_AVG				
Method: ARMA Maximum Likelihood (OPG - BHHH)				
Date: 07/27/21 Time: 13:55				
Sample: 2011M02 2020M12				
Included observations: 119				
Convergence achieved after 21 iterations				
Coefficient covariance computed using outer product of gradients				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	2,751	695	3.96	0.00
GOOD_HDD	2.880731	0.54	5.34	0.00
GOOD_HDD(-1)	2.200601	0.52	4.20	0.00
AR(1)	0.64	0.14	4.69	0.00
MA(12)	0.30	0.15	2.03	0.04
SIGMASQ	1,138,356	77,707	14.65	0.00
R-squared	0.807	Mean dependent var		5242.6601
Adjusted R-squared	0.798	S.D. dependent var		2,438.08
S.E. of regression	1,095	Akaike info criterion		16.90
Sum squared resid	135,464,377	Schwarz criterion		17.04
Log likelihood	(999)	Hannan-Quinn criter.		16.95
F-statistic	94	Durbin-Watson stat		1.78
Prob(F-statistic)	0			
Inverted AR Roots	0.64			
Inverted MA Roots		.87+.23i	.64-.64i	.64+.64i
		.23-.87i	-.23+.87i	-.23-.87i
		-.64-.64i	-.64-.64i	-.87+.23i
			-.87-.23i	

Dependent Variable: WICH_IRR_AVG				
Method: ARMA Maximum Likelihood (OPG - BHHH)				
Date: 07/22/21 Time: 08:41				
Sample: 2011M01 2020M12				
Included observations: 120				
Convergence achieved after 160 iterations				
Coefficient covariance computed using outer product of gradients				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	(447.259)	660.040	(0.678)	0.499
WICH_TEMP	17.814	8.671	2.054	0.042
WICH_PRCP	(42.709)	9.208	(4.638)	-
AR(12)	0.943	0.024	38.632	-
MA(1)	0.321	0.118	2.729	0.007
MA(12)	(0.664)	0.139	(4.768)	-
SIGMASQ	60,024.490	6,053.380	9.916	-
R-squared	0.813836	Mean dependent var		429.40
Adjusted R-squared	0.803951	S.D. dependent var		570.21
S.E. of regression	252.5	Akaike info criterion		14.07
Sum squared resid	7202938	Schwarz criterion		14.23
Log likelihood	-836.993	Hannan-Quinn criter.		14.13
F-statistic	82.33182	Durbin-Watson stat		1.90
Prob(F-statistic)	0			
Inverted AR Roots	1	.86-.50i	.86+.50i	.50-.86i
		.50+.86i	.00-1.00i	-.00+1.00i
		-.50-.86i	-.86+.50i	-.86-.50i
Inverted MA Roots	0.94	.81-.48i	.81+.48i	.46+.83i
		.46-.83i	-.03+.96i	-.03-.96i
		-.51-.83i	-.87-.48i	-.87+.48i
				-1

Dependent Variable: GOOD_STRAN_AVG				
Method: ARMA Maximum Likelihood (OPG - BHHH)				
Date: 07/27/21 Time: 17:35				
Sample: 2013M01 2020M12				
Included observations: 96				
Convergence achieved after 26 iterations				
Coefficient covariance computed using outer product of gradients				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	240.957	87.805	2.744	0.007
GOOD_HDD	0.779814	0.124	6.292	0.000
AR(1)	0.258	0.105	2.458	0.016
MA(12)	0.358	0.107	3.338	0.001
SIGMASQ	57488.565	6834.78	8.41117	5.36E-13
R-squared	0.669	Mean dependent var		611.09
Adjusted R-squared	0.654	S.D. dependent var		418.94
S.E. of regression	246.27	Akaike info criter		13.92
Sum squared resid	5518902.2	Schwarz criterion		14.05
Log likelihood	(663.12)	Hannan-Quinn cr		13.97
F-statistic	45.98	Durbin-Watson s		1.88
Prob(F-statistic)	0.00			
Inverted AR Roots	0.26			
Inverted MA Roots		.89+.24i	.65-.65i	.65+.65i
		.24-.89i	-.24+.89i	-.24-.89i
		-.65+.65i	-.65+.65i	-.89-.24i
			-.89+.24i	

Dependent Variable: GOOD_SCOM_AVG				
Method: ARMA Maximum Likelihood (OPG - BHHH)				
Date: 07/28/21 Time: 08:51				
Sample: 2011M02 2020M12				
Included observations: 119				
Convergence achieved after 28 iterations				
Coefficient covariance computed using outer product of gradients				
Variable	Coefficient	Std. Error	t-Statistic Prob.	
C	(7.36)	9	(0.83)	0.41
GOOD_HDD	0.03579	0.01	3.03	0.00
GOOD_HDD(-1)	0.24706	0.01	18.03	0.00
AR(12)	0.986	0.03	37.59	0.00
MA(12)	(0.807)	0	(5.44)	0.00
SIGMASQ	261	32	8.06	0.00
R-squared	0.978	Mean dependent var		123.49
Adjusted R-squared	0.977	S.D. dependent var		109.15
S.E. of regression	16.58	Akaike info criterion		8.65
Sum squared resid	31,058	Schwarz criterion		8.79
Log likelihood	(509)	Hannan-Quinn criter.		8.71
F-statistic	1,000	Durbin-Watson stat		1.57
Prob(F-statistic)	0.00			
Inverted AR Roots	1	.86-.50i	.86+.50i	.50+.86i
	.50-.86i	.00+1.00i	-.00-1.00i	-.50+.86i
	-.50-.86i	-.86-.50i	-.86+.50i	-1
Inverted MA Roots	0.98	.85+.49i	.85-.49i	.49+.85i
	.49-.85i	-.00-.98i	-.00+.98i	-.49-.85i
	-.49+.85i	-.85+.49i	-.85-.49i	-0.98

Dependent Variable: GOOD_SVOL_AVG				
Method: Least Squares				
Date: 07/28/21 Time: 17:33				
Sample: 2014M01 2020M12				
Included observations: 84				
Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	179.970	21.67	8.30	0.00
GOOD_HDD	0.314527	0.06	5.14	0.00
GOOD_HDD(-1)	0.745034	0.06	12.24	0.00
R-squared	0.92	Mean dependent var		672.27
Adjusted R-squared	0.91	S.D. dependent var		427.90
S.E. of regression	125.93	Akaike info criterion		12.54
Sum squared resid	1,284,614	Schwarz criterion		12.63
Log likelihood	(523.867)	Hannan-Quinn criter.		12.58
F-statistic	438.618	Durbin-Watson stat		2.03
Prob(F-statistic)	0.000			

EXHIBIT LJE-2
DOCKET NO. 21-BHCG-418-RTS
WEATHER NORMALIZATION

Billing Determinants								Weather Normalization										
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Current Month Temp		Previous Month Temp		Current Month PRCP		Previous Month PRCP		Volumetric Adj. per capita	Volumetric Adjustment	Revenue Adjustment
								Actual	Normal	Actual	Normal	Actual	Normal	Actual	Normal			
Concordia	IR	December	37	1,887					\$ -		\$ -		\$ (70.098730)		\$ -			
		January	37	562	15.19	\$ 28.45	\$ 0.05100	32.1	29.7			1.17	0.83			23.69	877	\$ 45
		February	36	361	10.03	\$ 28.45	\$ 0.05100	36.2	32.1			0.19	0.75			(39.40)	(1,418)	\$ (72)
		March	36	309	8.58	\$ 28.45	\$ 0.05100	47.8	44.9			1.15	1.14			0.98	35	\$ 2
		April	37	2,539	68.62	\$ 28.45	\$ 0.05100	53.5	53.6			0.98	2.41			(99.96)	(3,699)	\$ (189)
		May	28	39,950	1426.79	\$ 28.45	\$ 0.05100	62.7	64.3			3.26	5.36			(147.21)	(4,122)	\$ (210)
		June	36	112,389	3121.92	\$ 28.45	\$ 0.05100	79.5	76.4			3.64	3.99			(24.74)	(891)	\$ (45)
		July	37	160,620	4341.08	\$ 28.45	\$ 0.05100	80.3	79.4			10.24	4.01			436.64	16,156	\$ 824
		August	37	129,378	3496.70	\$ 28.45	\$ 0.05100	79.1	75.7			0.54	4.82			(299.74)	(11,090)	\$ (566)
		September	37	54,681	1477.86	\$ 28.45	\$ 0.05100	69.7	70.0			1.71	2.43			(50.47)	(1,867)	\$ (95)
		October	28	7,345	262.32	\$ 28.45	\$ 0.05100	55.1	55.9			0.12	1.94			(127.79)	(3,578)	\$ (182)
		November	36	3,372	93.67	\$ 28.45	\$ 0.05100	49.1	43.4			2.41	1.06			94.77	3,412	\$ 174
		December	37	443	11.97	\$ 28.45	\$ 0.05100	36.3	33.0			0.72	1.31			(41.50)	(1,535)	\$ (78)
		Total																(7,721)
Dodge City	IR	December	772	507,464					\$44.758360		\$ -		\$ (257.304100)		\$ -			
		January	804	306,228	380.88	\$ 28.45	\$ 0.05100	35.7	33.5			1.00	0.65			24.89	20,008	\$ 1,020
		February	792	134,407	169.71	\$ 28.45	\$ 0.05100	36.3	35.0			0.95	0.56			27.48	21,763	\$ 1,110
		March	793	344,604	434.56	\$ 28.45	\$ 0.05100	48.0	46.4			0.94	1.02			(5.47)	(4,336)	\$ (221)
		April	795	1,165,322	1465.81	\$ 28.45	\$ 0.05100	53.8	54.2			1.00	2.60			(112.37)	(89,333)	\$ (4,556)
		May	784	2,617,988	3339.27	\$ 28.45	\$ 0.05100	63.5	64.5			1.84	3.38			(108.09)	(84,744)	\$ (4,322)
		June	803	4,275,217	5324.06	\$ 28.45	\$ 0.05100	78.8	77.0			4.15	3.25			63.23	50,773	\$ 2,589
		July	810	5,737,138	7082.89	\$ 28.45	\$ 0.05100	79.3	80.4			7.07	3.00			285.16	230,981	\$ 11,780
		August	802	4,589,656	5722.76	\$ 28.45	\$ 0.05100	77.6	77.8			0.88	2.94			(144.40)	(115,812)	\$ (5,906)
		September	794	2,483,106	3127.34	\$ 28.45	\$ 0.05100	68.4	71.3			0.63	0.98			(24.67)	(19,592)	\$ (999)
		October	732	1,206,626	1648.40	\$ 28.45	\$ 0.05100	53.9	56.5			1.34	2.05			(50.05)	(36,637)	\$ (1,868)
		November	760	624,711	821.99	\$ 28.45	\$ 0.05100	48.4	44.3			1.86	0.79			75.22	57,164	\$ 2,915
		December	797	253,880	318.54	\$ 28.45	\$ 0.05100	37.0	34.0			1.10	1.12			(1.12)	(894)	\$ (46)
		Total																29,342
Goodland	IR	December	410	11,917					\$37.936220		\$ -		\$ (109.133400)		\$ -			
		January	408	8,711	21.35	\$ 28.45	\$ 0.05100	33.1	31.4			0.40	0.38			1.54	629	\$ 32
		February	408	9,063	22.21	\$ 28.45	\$ 0.05100	32.7	31.5			0.40	0.50			(7.29)	(2,974)	\$ (152)
		March	409	13,218	32.32	\$ 28.45	\$ 0.05100	43.9	42.7			1.02	0.82			13.81	5,648	\$ 288
		April	418	112,052	268.07	\$ 28.45	\$ 0.05100	48.5	49.8			0.30	1.95			(115.38)	(48,230)	\$ (2,460)
		May	411	486,148	1182.84	\$ 28.45	\$ 0.05100	59.6	59.2			2.90	3.64			(52.08)	(21,406)	\$ (1,092)
		June	409	748,438	1829.92	\$ 28.45	\$ 0.05100	75.2	72.5			1.71	2.87			(81.31)	(33,258)	\$ (1,696)
		July	414	1,566,861	3784.69	\$ 28.45	\$ 0.05100	76.7	76.8			4.99	2.37			183.38	75,919	\$ 3,872
		August	418	1,557,149	3725.24	\$ 28.45	\$ 0.05100	75.0	74.1			2.81	2.55			18.16	7,589	\$ 387
		September	401	985,429	2457.43	\$ 28.45	\$ 0.05100	64.5	66.8			0.66	1.91			(87.27)	(34,996)	\$ (1,785)
		October	415	326,062	785.69	\$ 28.45	\$ 0.05100	48.1	51.9			0.23	0.93			(48.93)	(20,305)	\$ (1,036)
		November	414	58,655	141.68	\$ 28.45	\$ 0.05100	45.2	41.1			0.01	0.30			(20.61)	(8,532)	\$ (435)
		December	403	45,941	114.00	\$ 28.45	\$ 0.05100	33.0	30.9			0.78	0.46			22.15	8,927	\$ 455
		Total																(70,990)

Billing Determinants								Weather Normalization												
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Current Month Temp Actual	Current Month Temp Normal	Previous Month Temp Actual	Previous Month Temp Normal	Current Month PRCP Actual	Current Month PRCP Normal	Previous Month PRCP Actual	Previous Month PRCP Normal	Volumetric Adj. per capita	Volumetric Adjustment	Revenue Adjustment		
Topeka	IR	December	0	0					\$ -		\$ -		\$ -		\$ -					
		January	0	0	0.00	\$ 28.45	\$ 0.05100										-	0	\$ -	
		February	0	0	0.00	\$ 28.45	\$ 0.05100										-	0	\$ -	
		March	0	0	0.00	\$ 28.45	\$ 0.05100										-	0	\$ -	
		April	0	0	0.00	\$ 28.45	\$ 0.05100										-	0	\$ -	
		May	0	0	0.00	\$ 28.45	\$ 0.05100										-	0	\$ -	
		June	0	0	0.00	\$ 28.45	\$ 0.05100										-	0	\$ -	
		July	0	0	0.00	\$ 28.45	\$ 0.05100										-	0	\$ -	
		August	0	0	0.00	\$ 28.45	\$ 0.05100										-	0	\$ -	
		September	0	0	0.00	\$ 28.45	\$ 0.05100										-	0	\$ -	
		October	0	0	0.00	\$ 28.45	\$ 0.05100										-	0	\$ -	
		November	0	0	0.00	\$ 28.45	\$ 0.05100										-	0	\$ -	
		December	0	0	0.00	\$ 28.45	\$ 0.05100										-	0	\$ -	
		Total			0	0	0.00	\$ 28.45	\$ 0.05100										0	\$ -
Wichita	IR	December	96	11,471					\$ 13.840970		\$ -		\$ (42.825960)		\$ -					
		January	97	9,623		\$ 28.45	\$ 0.05100	36.6	34.4			2.38	0.91				103.26	10,016	\$ 511	
		February	97	13,351	137.64	\$ 28.45	\$ 0.05100	37.5	36.9			1.94	1.33				43.04	4,175	\$ 213	
		March	97	8,507	87.70	\$ 28.45	\$ 0.05100	50.6	48.9			2.75	1.93				57.69	5,596	\$ 285	
		April	97	5,501	56.71	\$ 28.45	\$ 0.05100	55.5	57.2			3.03	3.41				(26.71)	(2,591)	\$ (132)	
		May	97	9,605	99.02	\$ 28.45	\$ 0.05100	64.5	67.4			4.35	5.90				(108.93)	(10,567)	\$ (539)	
		June	97	35,999	371.12	\$ 28.45	\$ 0.05100	80.3	79.1			1.71	4.05				(164.10)	(15,918)	\$ (812)	
		July	97	106,819	1101.23	\$ 28.45	\$ 0.05100	82.3	82.8			4.67	4.19				33.51	3,250	\$ 166	
		August	96	131,353	1368.26	\$ 28.45	\$ 0.05100	78.6	79.5			1.06	4.92				(270.37)	(25,956)	\$ (1,324)	
		September	98	120,148	1226.00	\$ 28.45	\$ 0.05100	68.7	73.4			1.58	2.72				(79.98)	(7,838)	\$ (400)	
		October	97	33,923	349.72	\$ 28.45	\$ 0.05100	54.8	59.5			2.06	2.49				(30.14)	(2,924)	\$ (149)	
		November	98	13,876	141.59	\$ 28.45	\$ 0.05100	49.8	46.5			0.75	1.21				(32.04)	(3,139)	\$ (160)	
		December	97	8,711	89.80	\$ 28.45	\$ 0.05100	37.9	36.8			1.70	1.41				20.33	1,972	\$ 101	
		Total																	(43,923)	\$ (2,240)
			15,559	30,154,026															(93,293)	(4,758)

Billing Determinants								Weather Normalization											
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Current Month Temp		Previous Month Temp		Current Month PRCP		Previous Month PRCP		Volumetric Adj. per capita	Volumetric Adjustment	Revenue Adjustment	
								Actual	Normal	Actual	Normal	Actual	Normal	Actual	Normal				
Concordia	ITS-A	December	10	151				\$	-			\$	(53.733530)		\$	-			
		January	10	42	4.20	\$ 28.45	\$ 0.05	32.1	29.7			1.17	0.83			18.16	182	\$ 9	
		February	10	34	3.40	\$ 28.45	\$ 0.05100	36.2	32.1			0.19	0.75			(30.20)	(302)	\$ (15)	
		March	10	321	32.10	\$ 28.45	\$ 0.05100	47.8	44.9			1.15	1.14			0.75	8	\$ 0	
		April	10	633	63.30	\$ 28.45	\$ 0.05100	53.5	53.6			0.98	2.41			(76.62)	(766)	\$ (39)	
		May	10	7,354	735.40	\$ 28.45	\$ 0.05100	62.7	64.3			3.26	5.36			(112.84)	(1,128)	\$ (58)	
		June	10	16,348	1634.80	\$ 28.45	\$ 0.05100	79.5	76.4			3.64	3.99			(18.97)	(190)	\$ (10)	
		July	10	27,043	2704.30	\$ 28.45	\$ 0.05100	80.3	79.4			10.24	4.01			334.71	3,347	\$ 171	
		August	10	20,229	2022.90	\$ 28.45	\$ 0.05100	79.1	75.7			0.54	4.82			(229.76)	(2,298)	\$ (117)	
		September	10	6,370	637.00	\$ 28.45	\$ 0.05100	69.7	70.0			1.71	2.43			(38.69)	(387)	\$ (20)	
		October	10	1,471	147.10	\$ 28.45	\$ 0.05100	55.1	55.9			0.12	1.94			(97.96)	(980)	\$ (50)	
		November	10	673	67.30	\$ 28.45	\$ 0.05100	49.1	43.4			2.41	1.06			72.65	726	\$ 37	
		December	10	86	8.60	\$ 28.45	\$ 0.05100	36.3	33.0			0.72	1.31			(31.81)	(318)	\$ (16)	
		Total																(2,106)	\$ (107)
Dodge City	ITS-A	December	170	76,784				\$42.416830		\$	-		\$ (229.869800)		\$	-			
		January	172	97,900	569.19	\$ 28.45	\$ 0.05	35.7	33.5			1.00	0.65			19.08	3,281	\$ 167	
		February	161	29,033	180.33	\$ 28.45	\$ 0.05100	36.3	35.0			0.95	0.56			21.06	3,391	\$ 173	
		March	169	97,834	578.90	\$ 28.45	\$ 0.05100	48.0	46.4			0.94	1.02			(4.19)	(708)	\$ (36)	
		April	169	231,354	1368.96	\$ 28.45	\$ 0.05100	53.8	54.2			1.00	2.60			(86.13)	(14,557)	\$ (742)	
		May	165	480,558	2912.47	\$ 28.45	\$ 0.05100	63.5	64.5			1.84	3.38			(82.86)	(13,671)	\$ (697)	
		June	167	661,286	3959.80	\$ 28.45	\$ 0.05100	78.8	77.0			4.15	3.25			48.47	8,094	\$ 413	
		July	168	992,594	5908.30	\$ 28.45	\$ 0.05100	79.3	80.4			7.07	3.00			218.59	36,723	\$ 1,873	
		August	149	711,045	4772.11	\$ 28.45	\$ 0.05100	77.6	77.8			0.88	2.94			(110.69)	(16,493)	\$ (841)	
		September	165	448,550	2718.48	\$ 28.45	\$ 0.05100	68.4	71.3			0.63	0.98			(18.91)	(3,121)	\$ (159)	
		October	153	199,900	1306.54	\$ 28.45	\$ 0.05100	53.9	56.5			1.34	2.05			(38.37)	(5,870)	\$ (299)	
		November	154	70,450	457.47	\$ 28.45	\$ 0.05100	48.4	44.3			1.86	0.79			57.66	8,879	\$ 453	
		December	166	46,246	278.59	\$ 28.45	\$ 0.05100	37.0	34.0			1.10	1.12			(0.86)	(143)	\$ (7)	
		Total																5,805	\$ 296
Goodland	ITS-A	December	195	5,616				\$45.251074		\$	-		\$ (134.903898)		\$	-			
		January	195	3,483	17.86	\$ 28.45	\$ 0.05	33.1	31.4			0.40	0.38			1.18	231	\$ 12	
		February	193	4,256	22.05	\$ 28.45	\$ 0.05100	32.7	31.5			0.40	0.50			(5.59)	(1,079)	\$ (55)	
		March	193	9,702	50.27	\$ 28.45	\$ 0.05100	43.9	42.7			1.02	0.82			10.59	2,043	\$ 104	
		April	195	53,718	275.48	\$ 28.45	\$ 0.05100	48.5	49.8			0.30	1.95			(88.45)	(17,247)	\$ (880)	
		May	193	259,238	1343.20	\$ 28.45	\$ 0.05100	59.6	59.2			2.90	3.64			(39.92)	(7,705)	\$ (393)	
		June	197	360,285	1828.86	\$ 28.45	\$ 0.05100	75.2	72.5			1.71	2.87			(62.33)	(12,279)	\$ (626)	
		July	192	814,971	4244.64	\$ 28.45	\$ 0.05100	76.7	76.8			4.99	2.37			140.57	26,989	\$ 1,376	
		August	191	817,643	4280.85	\$ 28.45	\$ 0.05100	75.0	74.1			2.81	2.55			13.92	2,658	\$ 136	
		September	191	597,864	3130.18	\$ 28.45	\$ 0.05100	64.5	66.8			0.66	1.91			(66.90)	(12,778)	\$ (652)	
		October	191	101,767	532.81	\$ 28.45	\$ 0.05100	48.1	51.9			0.23	0.93			(37.51)	(7,164)	\$ (365)	
		November	193	36,372	188.46	\$ 28.45	\$ 0.05100	45.2	41.1			0.01	0.30			(15.80)	(3,049)	\$ (155)	
		December	189	28,276	149.61	\$ 28.45	\$ 0.05100	33.0	30.9			0.78	0.46			16.98	3,209	\$ 164	
		Total																(26,170)	\$ (1,335)

Billing Determinants								Weather Normalization										
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Current Month Temp Actual	Current Month Temp Normal	Previous Month Temp Actual	Previous Month Temp Normal	Current Month PRCP Actual	Current Month PRCP Normal	Previous Month PRCP Actual	Previous Month PRCP Normal	Volumetric Adj. per capita	Volumetric Adjustment	Revenue Adjustment
Topeka	ITS-A	December	0	0				\$ -		\$ -		\$ -		\$ -				
		January	0	0	0.00	\$ 28.45	\$ 0.05									-	0 \$	-
		February	0	0	0.00	\$ 28.45	\$ 0.05100									-	0 \$	-
		March	0	0	0.00	\$ 28.45	\$ 0.05100									-	0 \$	-
		April	0	0	0.00	\$ 28.45	\$ 0.05100									-	0 \$	-
		May	0	0	0.00	\$ 28.45	\$ 0.05100									-	0 \$	-
		June	0	0	0.00	\$ 28.45	\$ 0.05100									-	0 \$	-
		July	0	0	0.00	\$ 28.45	\$ 0.05100									-	0 \$	-
		August	0	0	0.00	\$ 28.45	\$ 0.05100									-	0 \$	-
		September	0	0	0.00	\$ 28.45	\$ 0.05100									-	0 \$	-
		October	0	0	0.00	\$ 28.45	\$ 0.05100									-	0 \$	-
		November	0	0	0.00	\$ 28.45	\$ 0.05100									-	0 \$	-
		December	0	0	0.00	\$ 28.45	\$ 0.05100									-	0 \$	-
		Total																
Wichita	ITS-A	December	2	408				\$ -		\$ -		\$ -		\$ -				
		January	2	570	285.00	\$ 28.45	\$ 0.05	36.6	34.4			2.38	0.91			79.15	158 \$	8
		February	2	762	381.00	\$ 28.45	\$ 0.05100	37.5	36.9			1.94	1.33			32.99	66 \$	3
		March	2	614	307.00	\$ 28.45	\$ 0.05100	50.6	48.9			2.75	1.93			44.22	88 \$	5
		April	2	249	124.50	\$ 28.45	\$ 0.05100	55.5	57.2			3.03	3.41			(20.47)	(41) \$	(2)
		May	2	746	373.00	\$ 28.45	\$ 0.05100	64.5	67.4			4.35	5.90			(83.50)	(167) \$	(9)
		June	2	200	100.00	\$ 28.45	\$ 0.05100	80.3	79.1			1.71	4.05			(125.79)	(252) \$	(13)
		July	2	3,122	1561.00	\$ 28.45	\$ 0.05100	82.3	82.8			4.67	4.19			25.68	51 \$	3
		August	2	2,089	1044.50	\$ 28.45	\$ 0.05100	78.6	79.5			1.06	4.92			(207.25)	(415) \$	(21)
		September	2	3,474	1737.00	\$ 28.45	\$ 0.05100	68.7	73.4			1.58	2.72			(61.31)	(123) \$	(6)
		October	2	465	232.50	\$ 28.45	\$ 0.05100	54.8	59.5			2.06	2.49			(23.11)	(46) \$	(2)
		November	2	633	316.50	\$ 28.45	\$ 0.05100	49.8	46.5			0.75	1.21			(24.56)	(49) \$	(3)
		December	2	326	163.00	\$ 28.45	\$ 0.05100	37.9	36.8			1.70	1.41			15.58	31 \$	2
		Total																(697) \$
4,415 7,248,179								(23,168) (1,182)										

Billing Determinants								Weather Normalization						
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Current Month HDD		Previous Month HDD		Volumetric	Volumetric	Revenue
								Actual	Normal	Actual	Normal	Adj. per capita	Adjustment	Adjustment
Concordia	LVF	December	0	0					\$ 0.005153		\$ 0.196288			
		January	0	0	0.00	\$ 333.10	\$ 0.07	1,014.0	1,087.4	870.0	986.3	23.21	0 \$	-
		February	0	0	0.00	\$ 333.10	\$ 0.06800	830.0	925.2	1,014.0	1,087.4	14.90	0 \$	-
		March	0	0	0.00	\$ 333.10	\$ 0.06800	525.0	620.0	830.0	925.2	19.18	0 \$	-
		April	0	0	0.00	\$ 333.10	\$ 0.06800	351.0	349.1	525.0	620.0	18.64	0 \$	-
		May	0	0	0.00	\$ 333.10	\$ 0.06800	130.0	119.0	351.0	349.1	(0.43)	0 \$	-
		June	0	0	0.00	\$ 333.10	\$ 0.06800	0.0	3.6	130.0	119.0	(2.14)	0 \$	-
		July	0	0	0.00	\$ 333.10	\$ 0.06800	0.0	1.0	0.0	3.6	0.71	0 \$	-
		August	0	0	0.00	\$ 333.10	\$ 0.06800	0.0	0.2	0.0	1.0	0.20	0 \$	-
		September	1	2	2.00	\$ 333.10	\$ 0.06800	54.0	48.9	0.0	0.2	0.01	0 \$	0
		October	1	811	811.00	\$ 333.10	\$ 0.06800	365.0	304.5	54.0	48.9	(1.31)	(1) \$	(0)
		November	1	889	889.00	\$ 333.10	\$ 0.06800	476.0	643.1	365.0	304.5	(11.01)	(11) \$	(1)
		December	1	1,137	1,137.00	\$ 333.10	\$ 0.06800	881.0	986.3	476.0	643.1	33.34	33 \$	2
		Total	4	2,839										21 \$
Dodge City	LVF	December	8	69,694					\$ -		\$ -			
		January	8	145,668	18,208.50	\$ 333.10	\$ 0.07	903.0	972.0	839.0	956.9	-	0 \$	-
		February	9	120,932	13,436.89	\$ 333.10	\$ 0.06800	827.0	843.3	903.0	972.0	-	0 \$	-
		March	9	86,064	9,562.67	\$ 333.10	\$ 0.06800	523.0	574.7	827.0	843.3	-	0 \$	-
		April	9	51,267	5,696.33	\$ 333.10	\$ 0.06800	341.0	333.3	523.0	574.7	-	0 \$	-
		May	9	26,203	2,911.44	\$ 333.10	\$ 0.06800	107.0	118.4	341.0	333.3	-	0 \$	-
		June	9	16,265	1,807.22	\$ 333.10	\$ 0.06800	2.0	3.5	107.0	118.4	-	0 \$	-
		July	10	15,796	1,579.60	\$ 333.10	\$ 0.06800	0.0	1.4	2.0	3.5	-	0 \$	-
		August	10	10,520	1,052.00	\$ 333.10	\$ 0.06800	0.0	0.1	0.0	1.4	-	0 \$	-
		September	10	18,802	1,880.20	\$ 333.10	\$ 0.06800	67.0	34.2	0.0	0.1	-	0 \$	-
		October	10	28,794	2,879.40	\$ 333.10	\$ 0.06800	390.0	290.1	67.0	34.2	-	0 \$	-
		November	9	29,196	3,244.00	\$ 333.10	\$ 0.06800	490.0	614.5	390.0	290.1	-	0 \$	-
		December	10	108,598	10,859.80	\$ 333.10	\$ 0.06800	869.0	956.9	490.0	614.5	-	0 \$	-
		Total	112	658,105									0 \$	-
Goodland	LVF	December	0	0					\$ -		\$ -			
		January	0	0	0.00	\$ 333.10	\$ 0.07	984.0	1,037.5	914.0	1,050.5	-	0 \$	-
		February	0	0	0.00	\$ 333.10	\$ 0.06800	930.0	941.8	984.0	1,037.5	-	0 \$	-
		March	0	0	0.00	\$ 333.10	\$ 0.06800	644.0	682.5	930.0	941.8	-	0 \$	-
		April	0	0	0.00	\$ 333.10	\$ 0.06800	490.0	454.0	644.0	682.5	-	0 \$	-
		May	0	0	0.00	\$ 333.10	\$ 0.06800	195.0	214.4	490.0	454.0	-	0 \$	-
		June	0	0	0.00	\$ 333.10	\$ 0.06800	20.0	15.9	195.0	214.4	-	0 \$	-
		July	0	0	0.00	\$ 333.10	\$ 0.06800	0.0	2.1	20.0	15.9	-	0 \$	-
		August	0	0	0.00	\$ 333.10	\$ 0.06800	2.0	3.3	0.0	2.1	-	0 \$	-
		September	0	0	0.00	\$ 333.10	\$ 0.06800	122.0	76.2	2.0	3.3	-	0 \$	-
		October	0	0	0.00	\$ 333.10	\$ 0.06800	530.0	408.5	122.0	76.2	-	0 \$	-
		November	0	0	0.00	\$ 333.10	\$ 0.06800	590.0	713.0	530.0	408.5	-	0 \$	-
		December	0	0	0.00	\$ 333.10	\$ 0.06800	990.0	1,050.5	590.0	713.0	-	0 \$	-
		Total	0	0									0 \$	-

Billing Determinants								Weather Normalization							
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Current Month HDD Actual	Current Month HDD Normal	Previous Month HDD Actual	Previous Month HDD Normal	Volumetric Adj. per capita	Volumetric Adjustment	Revenue Adjustment	
Topeka	LVF	December	13	99,279					\$ -		\$ 23.701770				
		January	12	130,864	10,905.33	\$ 333.10	\$ 0.07	971.0	1,044.2	839.0	919.1	1,898.51	22,782	\$ 1,549	
		February	12	131,342	10,945.17	\$ 333.10	\$ 0.06800	862.0	866.3	971.0	1,044.2	1,734.97	20,820	\$ 1,416	
		March	12	118,290	9,857.50	\$ 333.10	\$ 0.06800	480.0	559.9	862.0	866.3	101.92	1,223	\$ 83	
		April	14	222,812	15,915.14	\$ 333.10	\$ 0.06800	339.0	293.1	480.0	559.9	1,893.77	26,513	\$ 1,803	
		May	14	55,031	3,930.79	\$ 333.10	\$ 0.06800	129.0	91.5	339.0	293.1	(1,087.91)	(15,231)	\$ (1,036)	
		June	14	40,826	2,916.14	\$ 333.10	\$ 0.06800	0.0	1.4	129.0	91.5	(888.82)	(12,443)	\$ (846)	
		July	13	31,948	2,457.54	\$ 333.10	\$ 0.06800	0.0	0.2	0.0	1.4	33.18	431	\$ 29	
		August	12	29,434	2,452.83	\$ 333.10	\$ 0.06800	0.0	0.0	0.0	0.2	4.74	57	\$ 4	
		September	12	39,019	3,251.58	\$ 333.10	\$ 0.06800	55.0	34.2	0.0	0.0	-	0	\$ -	
		October	12	44,945	3,745.42	\$ 333.10	\$ 0.06800	388.0	282.5	55.0	34.2	(493.00)	(5,916)	\$ (402)	
		November	12	73,245	6,103.75	\$ 333.10	\$ 0.06800	485.0	607.2	388.0	282.5	(2,500.54)	(30,006)	\$ (2,040)	
		December	12	93,930	7,827.50	\$ 333.10	\$ 0.06800	878.0	919.1	485.0	607.2	2,896.36	34,756	\$ 2,363	
		Total	151	1,011,686										42,986	\$ 2,923
Wichita	LVF	December	16	277,027					\$ 1.289764		\$ 11.849075				
		January	15	310,462	20,697.47	\$ 333.10	\$ 0.07	877.0	942.5	804.0	869.1	1,542.99	23,145	\$ 1,574	
		February	17	375,186	22,069.76	\$ 333.10	\$ 0.06800	792.0	789.8	877.0	942.5	1,552.47	26,392	\$ 1,795	
		March	17	322,608	18,976.94	\$ 333.10	\$ 0.06800	439.0	499.1	792.0	789.8	(52.14)	(886)	\$ (60)	
		April	17	193,274	11,369.06	\$ 333.10	\$ 0.06800	296.0	254.8	439.0	499.1	1,424.48	24,216	\$ 1,647	
		May	17	148,299	8,723.47	\$ 333.10	\$ 0.06800	103.0	75.1	296.0	254.8	(976.51)	(16,601)	\$ (1,129)	
		June	17	63,836	3,755.06	\$ 333.10	\$ 0.06800	0.0	1.3	103.0	75.1	(661.28)	(11,242)	\$ (764)	
		July	17	42,065	2,474.41	\$ 333.10	\$ 0.06800	0.0	0.2	0.0	1.3	30.81	524	\$ 36	
		August	18	43,528	2,418.22	\$ 333.10	\$ 0.06800	0.0	0.0	0.0	0.2	4.74	85	\$ 6	
		September	18	47,782	2,654.56	\$ 333.10	\$ 0.06800	50.0	15.8	0.0	0.0	-	0	\$ -	
		October	18	58,185	3,232.50	\$ 333.10	\$ 0.06800	353.0	221.7	50.0	15.8	(810.60)	(14,591)	\$ (992)	
		November	18	194,614	10,811.89	\$ 333.10	\$ 0.06800	449.0	551.3	353.0	221.7	(3,112.04)	(56,017)	\$ (3,809)	
		December	19	249,206	13,116.11	\$ 333.10	\$ 0.06800	834.0	869.1	449.0	551.3	2,424.69	46,069	\$ 3,133	
		Total	208	2,049,045										21,095	\$ 1,434
			475	3,721,675										64,101	4,359

Billing Determinants								Weather Normalization						
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Current Month HDD		Previous Month HDD		Volumetric	Volumetric	Revenue
								Actual	Normal	Actual	Normal	Adj. per capita	Adjustment	Adjustment
Concordia	LVI	December	0					\$ 0.005153		\$ 0.196288				
		January	0	0	0.00	\$ 333.10	\$ 0.07	32.1	29.7	36.8	33.0	(0.76)	0 \$	-
		February	0	0	0.00	\$ 333.10	\$ 0.06800	36.2	32.1	32.1	29.7	(0.48)	0 \$	-
		March	0	0	0.00	\$ 333.10	\$ 0.06800	47.8	44.9	36.2	32.1	(0.82)	0 \$	-
		April	0	0	0.00	\$ 333.10	\$ 0.06800	53.5	53.6	47.8	44.9	(0.57)	0 \$	-
		May	0	0	0.00	\$ 333.10	\$ 0.06800	62.7	64.3	53.5	53.6	0.02	0 \$	-
		June	0	0	0.00	\$ 333.10	\$ 0.06800	79.5	76.4	62.7	64.3	0.29	0 \$	-
		July	0	0	0.00	\$ 333.10	\$ 0.06800	80.3	79.4	79.5	76.4	(0.61)	0 \$	-
		August	0	0	0.00	\$ 333.10	\$ 0.06800	79.1	75.7	80.3	79.4	(0.19)	0 \$	-
		September	0	0	0.00	\$ 333.10	\$ 0.06800	69.7	70.0	79.1	75.7	(0.67)	0 \$	-
		October	0	0	0.00	\$ 333.10	\$ 0.06800	55.1	55.9	69.7	70.0	0.07	0 \$	-
		November	0	0	0.00	\$ 333.10	\$ 0.06800	49.1	43.4	55.1	55.9	0.13	0 \$	-
		December	0	0	0.00	\$ 333.10	\$ 0.06800	36.3	33.0	49.1	43.4	(1.14)	0 \$	-
		Total	0	0										0 \$
Dodge City	LVI	December	8					\$ -		\$ -				
		January	9	127,908	14,212.00	\$ 333.10	\$ 0.07	35.7	33.5	0.0	34.0	-	0 \$	-
		February	10	221,333	22,133.30	\$ 333.10	\$ 0.06800	36.3	35.0	35.7	33.5	-	0 \$	-
		March	10	240,569	24,056.90	\$ 333.10	\$ 0.06800	48.0	46.4	36.3	35.0	-	0 \$	-
		April	17	247,706	14,570.94	\$ 333.10	\$ 0.06800	53.8	54.2	48.0	46.4	-	0 \$	-
		May	16	222,100	13,881.25	\$ 333.10	\$ 0.06800	63.5	64.5	53.8	54.2	-	0 \$	-
		June	12	550,926	45,910.50	\$ 333.10	\$ 0.06800	78.8	77.0	63.5	64.5	-	0 \$	-
		July	12	1,035,630	86,302.50	\$ 333.10	\$ 0.06800	79.3	80.4	78.8	77.0	-	0 \$	-
		August	11	1,317,942	119,812.91	\$ 333.10	\$ 0.06800	77.6	77.8	79.3	80.4	-	0 \$	-
		September	11	1,153,919	104,901.73	\$ 333.10	\$ 0.06800	68.4	71.3	77.6	77.8	-	0 \$	-
		October	11	336,977	30,634.27	\$ 333.10	\$ 0.06800	53.9	56.5	68.4	71.3	-	0 \$	-
		November	10	201,289	20,128.90	\$ 333.10	\$ 0.06800	48.4	44.3	53.9	56.5	-	0 \$	-
		December	11	318,749	28,977.18	\$ 333.10	\$ 0.06800	37.0	34.0	48.4	44.3	-	0 \$	-
		Total	140	5,975,048										0 \$
Goodland	LVI	December	0					\$ -		\$ -				
		January	0	0	0.00	\$ 333.10	\$ 0.07	33.1	31.4	0.0	30.9	-	0 \$	-
		February	0	0	0.00	\$ 333.10	\$ 0.06800	32.7	31.5	33.1	31.4	-	0 \$	-
		March	0	0	0.00	\$ 333.10	\$ 0.06800	43.9	42.7	32.7	31.5	-	0 \$	-
		April	0	0	0.00	\$ 333.10	\$ 0.06800	48.5	49.8	43.9	42.7	-	0 \$	-
		May	0	0	0.00	\$ 333.10	\$ 0.06800	59.6	59.2	48.5	49.8	-	0 \$	-
		June	0	0	0.00	\$ 333.10	\$ 0.06800	75.2	72.5	59.6	59.2	-	0 \$	-
		July	0	0	0.00	\$ 333.10	\$ 0.06800	76.7	76.8	75.2	72.5	-	0 \$	-
		August	0	0	0.00	\$ 333.10	\$ 0.06800	75.0	74.1	76.7	76.8	-	0 \$	-
		September	0	0	0.00	\$ 333.10	\$ 0.06800	64.5	66.8	75.0	74.1	-	0 \$	-
		October	0	0	0.00	\$ 333.10	\$ 0.06800	48.1	51.9	64.5	66.8	-	0 \$	-
		November	0	0	0.00	\$ 333.10	\$ 0.06800	45.2	41.1	48.1	51.9	-	0 \$	-
		December	0	0	0.00	\$ 333.10	\$ 0.06800	33.0	30.9	45.2	41.1	-	0 \$	-
		Total	0	0										0 \$

Billing Determinants								Weather Normalization						
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Current Month HDD		Previous Month HDD		Volumetric	Volumetric	Revenue
								Actual	Normal	Actual	Normal	Adj. per capita	Adjustment	Adjustment
Topeka	LVI	December	1					\$	-		\$23.701770			
		January	1	303	303.00	\$ 333.10	\$ 0.07	32.9	30.9	3.5	35.1	748.50	749	\$ 51
		February	1	359	359.00	\$ 333.10	\$ 0.06800	34.8	33.9	32.9	30.9	(47.17)	(47)	\$ (3)
		March	1	422	422.00	\$ 333.10	\$ 0.06800	49.3	46.8	34.8	33.9	(20.62)	(21)	\$ (1)
		April	1	142	142.00	\$ 333.10	\$ 0.06800	53.8	55.6	49.3	46.8	(59.97)	(60)	\$ (4)
		May	1	34	34.00	\$ 333.10	\$ 0.06800	62.6	65.8	53.8	55.6	42.90	43	\$ 3
		June	1	17	17.00	\$ 333.10	\$ 0.06800	78.4	77.1	62.6	65.8	76.32	76	\$ 5
		July	1	210	210.00	\$ 333.10	\$ 0.06800	79.8	80.6	78.4	77.1	(30.58)	(31)	\$ (2)
		August	1	-182	-182.00	\$ 333.10	\$ 0.06800	76.0	77.3	79.8	80.6	18.96	19	\$ 1
		September	1	63	63.00	\$ 333.10	\$ 0.06800	67.4	70.7	76.0	77.3	31.29	31	\$ 2
		October	1	119	119.00	\$ 333.10	\$ 0.06800	53.3	57.0	67.4	70.7	78.22	78	\$ 5
		November	1	208	208.00	\$ 333.10	\$ 0.06800	48.4	44.5	53.3	57.0	87.46	87	\$ 6
		December	1	181	181.00	\$ 333.10	\$ 0.06800	36.8	35.1	48.4	44.5	(91.96)	(92)	\$ (6)
		Total	12	1,876										833
Wichita	LVI	December	6					\$ 1.289764		\$ 11.849075				
		January	6	75,764	12,627.33	\$ 333.10	\$ 0.07	36.6	34.4	3.5	36.8	788.32	4,730	\$ 322
		February	6	74,616	12,436.00	\$ 333.10	\$ 0.06800	37.5	36.9	36.6	34.4	(52.38)	(314)	\$ (21)
		March	6	73,462	12,243.67	\$ 333.10	\$ 0.06800	50.6	48.9	37.5	36.9	(13.98)	(84)	\$ (6)
		April	6	67,932	11,322.00	\$ 333.10	\$ 0.06800	55.5	57.2	50.6	48.9	(40.06)	(240)	\$ (16)
		May	6	73,065	12,177.50	\$ 333.10	\$ 0.06800	64.5	67.4	55.5	57.2	40.77	245	\$ 17
		June	6	58,669	9,778.17	\$ 333.10	\$ 0.06800	80.3	79.1	64.5	67.4	69.68	418	\$ 28
		July	6	44,588	7,431.33	\$ 333.10	\$ 0.06800	82.3	82.8	80.3	79.1	(28.21)	(169)	\$ (12)
		August	6	57,070	9,511.67	\$ 333.10	\$ 0.06800	78.6	79.5	82.3	82.8	12.56	75	\$ 5
		September	6	70,074	11,679.00	\$ 333.10	\$ 0.06800	68.7	73.4	78.6	79.5	21.57	129	\$ 9
		October	6	66,389	11,064.83	\$ 333.10	\$ 0.06800	54.8	59.5	68.7	73.4	110.21	661	\$ 45
		November	6	70,023	11,670.50	\$ 333.10	\$ 0.06800	49.8	46.5	54.8	59.5	110.69	664	\$ 45
		December	6	79,463	13,243.83	\$ 333.10	\$ 0.06800	37.9	36.8	49.8	46.5	(78.45)	(471)	\$ (32)
		Total	72	811,115										5,644

Billing Determinants								Weather Normalization						
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Current Month HDD		Previous Month HDD		Volumetric	Volumetric	Revenue
								Actual	Normal	Actual	Normal	Adj. per capita	Adjustment	Adjustment
Concordia	LVTS	December	0	0					\$ 0.005153		\$ 0.196288			
		January	0	0	0.00	\$ 333.10	\$ 0.07	1,014.0	1,087.4	870.0	986.3	23.21	0	\$ -
		February	0	0	0.00	\$ 333.10	\$ 0.06800	830.0	925.2	1,014.0	1,087.4	14.90	0	\$ -
		March	0	0	0.00	\$ 333.10	\$ 0.06800	525.0	620.0	830.0	925.2	19.18	0	\$ -
		April	0	0	0.00	\$ 333.10	\$ 0.06800	351.0	349.1	525.0	620.0	18.64	0	\$ -
		May	0	0	0.00	\$ 333.10	\$ 0.06800	130.0	119.0	351.0	349.1	(0.43)	0	\$ -
		June	0	0	0.00	\$ 333.10	\$ 0.06800	0.0	3.6	130.0	119.0	(2.14)	0	\$ -
		July	0	0	0.00	\$ 333.10	\$ 0.06800	0.0	1.0	0.0	3.6	0.71	0	\$ -
		August	0	0	0.00	\$ 333.10	\$ 0.06800	0.0	0.2	0.0	1.0	0.20	0	\$ -
		September	0	0	0.00	\$ 333.10	\$ 0.06800	54.0	48.9	0.0	0.2	0.01	0	\$ -
		October	0	0	0.00	\$ 333.10	\$ 0.06800	365.0	304.5	54.0	48.9	(1.31)	0	\$ -
		November	0	0	0.00	\$ 333.10	\$ 0.06800	476.0	643.1	365.0	304.5	(11.01)	0	\$ -
		December	0	0	0.00	\$ 333.10	\$ 0.06800	881.0	986.3	476.0	643.1	33.34	0	\$ -
		Total	0	0										0
Dodge City	LVTS	December	61	1,296,067					\$ -		\$ 4.310735			
		January	61	1,306,544	21418.75	\$ 333.10	\$ 0.07	903.0	972.0	839.0	956.9	508.24	31,002	\$ 2,108
		February	61	1,284,338	21054.72	\$ 333.10	\$ 0.06800	827.0	843.3	903.0	972.0	297.44	18,144	\$ 1,234
		March	61	1,244,672	20404.46	\$ 333.10	\$ 0.06800	523.0	574.7	827.0	843.3	70.26	4,286	\$ 291
		April	61	1,238,086	20296.49	\$ 333.10	\$ 0.06800	341.0	333.3	523.0	574.7	222.87	13,595	\$ 924
		May	62	1,409,203	22729.08	\$ 333.10	\$ 0.06800	107.0	118.4	341.0	333.3	(33.19)	(2,058)	\$ (140)
		June	62	1,892,115	30517.98	\$ 333.10	\$ 0.06800	2.0	3.5	107.0	118.4	49.14	3,047	\$ 207
		July	61	1,740,965	28540.41	\$ 333.10	\$ 0.06800	0.0	1.4	2.0	3.5	6.47	394	\$ 27
		August	61	1,826,897	29949.13	\$ 333.10	\$ 0.06800	0.0	0.1	0.0	1.4	6.04	368	\$ 25
		September	61	1,668,429	27351.30	\$ 333.10	\$ 0.06800	67.0	34.2	0.0	0.1	0.43	26	\$ 2
		October	61	1,162,423	19056.11	\$ 333.10	\$ 0.06800	390.0	290.1	67.0	34.2	(141.39)	(8,625)	\$ (586)
		November	61	1,279,563	20976.44	\$ 333.10	\$ 0.06800	490.0	614.5	390.0	290.1	(430.64)	(26,269)	\$ (1,786)
		December	59	1,182,812	20047.66	\$ 333.10	\$ 0.06800	869.0	956.9	490.0	614.5	536.69	31,665	\$ 2,153
		Total	732	17,236,047										65,575
Goodland	LVTS	December	1	7,367					\$ 2.880731		\$ 2.200601			
		January	1	7,233	7233.00	\$ 333.10	\$ 0.07	984.0	1,037.5	914.0	1,050.5	454.50	455	\$ 31
		February	1	7,903	7903.00	\$ 333.10	\$ 0.06800	930.0	941.8	984.0	1,037.5	151.72	152	\$ 10
		March	1	7,805	7805.00	\$ 333.10	\$ 0.06800	644.0	682.5	930.0	941.8	136.88	137	\$ 9
		April	1	5,833	5833.00	\$ 333.10	\$ 0.06800	490.0	454.0	644.0	682.5	(18.98)	(19)	\$ (1)
		May	1	5,064	5064.00	\$ 333.10	\$ 0.06800	195.0	214.4	490.0	454.0	(23.34)	(23)	\$ (2)
		June	1	4,174	4174.00	\$ 333.10	\$ 0.06800	20.0	15.9	195.0	214.4	30.88	31	\$ 2
		July	1	3,323	3323.00	\$ 333.10	\$ 0.06800	0.0	2.1	20.0	15.9	(2.97)	(3)	\$ (0)
		August	1	3,414	3414.00	\$ 333.10	\$ 0.06800	2.0	3.3	0.0	2.1	8.37	8	\$ 1
		September	1	3,148	3148.00	\$ 333.10	\$ 0.06800	122.0	76.2	2.0	3.3	(129.08)	(129)	\$ (9)
		October	1	3,206	3206.00	\$ 333.10	\$ 0.06800	530.0	408.5	122.0	76.2	(450.80)	(451)	\$ (31)
		November	1	4,755	4755.00	\$ 333.10	\$ 0.06800	590.0	713.0	530.0	408.5	86.96	87	\$ 6
		December	1	5,940	5940.00	\$ 333.10	\$ 0.06800	990.0	1,050.5	590.0	713.0	444.96	445	\$ 30
		Total	12	61,798										689

Billing Determinants								Weather Normalization						
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Current Month HDD		Previous Month HDD		Volumetric	Volumetric	Revenue
								Actual	Normal	Actual	Normal	Adj. per capita	Adjustment	Adjustment
Topeka	LVTS	December	28	976,054					\$ -		\$ 23.701770			
		January	27	1,119,658	41468.81	\$ 333.10	\$ 0.07	971.0	1,044.2	839.0	919.1	1,898.51	51,260	\$ 3,486
		February	27	1,247,130	46190.00	\$ 333.10	\$ 0.06800	862.0	866.3	971.0	1,044.2	1,734.97	46,844	\$ 3,185
		March	27	1,112,401	41200.04	\$ 333.10	\$ 0.06800	480.0	559.9	862.0	866.3	101.92	2,752	\$ 187
		April	27	787,306	29159.48	\$ 333.10	\$ 0.06800	339.0	293.1	480.0	559.9	1,893.77	51,132	\$ 3,477
		May	26	656,371	25245.04	\$ 333.10	\$ 0.06800	129.0	91.5	339.0	293.1	(1,087.91)	(28,286)	\$ (1,923)
		June	26	452,061	17386.96	\$ 333.10	\$ 0.06800	0.0	1.4	129.0	91.5	(888.82)	(23,109)	\$ (1,571)
		July	26	418,370	16091.15	\$ 333.10	\$ 0.06800	0.0	0.2	0.0	1.4	33.18	863	\$ 59
		August	27	412,121	15263.74	\$ 333.10	\$ 0.06800	0.0	0.0	0.0	0.2	4.74	128	\$ 9
		September	27	445,133	16486.41	\$ 333.10	\$ 0.06800	55.0	34.2	0.0	0.0	-	0	\$ -
		October	27	476,482	17647.48	\$ 333.10	\$ 0.06800	388.0	282.5	55.0	34.2	(493.00)	(13,311)	\$ (905)
		November	27	724,870	26847.04	\$ 333.10	\$ 0.06800	485.0	607.2	388.0	282.5	(2,500.54)	(67,514)	\$ (4,591)
		December	27	811,612	30059.70	\$ 333.10	\$ 0.06800	878.0	919.1	485.0	607.2	2,896.36	78,202	\$ 5,318
		Total	321	8,663,515									98,960	\$ 6,729
Wichita	LVTS	December	43	1,557,253					\$ -		\$ 22.822386			
		January	43	1,751,214	40725.91	\$ 333.10	\$ 0.07	877.0	942.5	804.0	869.1	1,542.99	66,348	\$ 4,512
		February	43	1,870,739	43505.56	\$ 333.10	\$ 0.06800	792.0	789.8	877.0	942.5	1,552.47	66,756	\$ 4,539
		March	43	1,714,451	39870.95	\$ 333.10	\$ 0.06800	439.0	499.1	792.0	789.8	(52.14)	(2,242)	\$ (152)
		April	43	1,413,224	32865.67	\$ 333.10	\$ 0.06800	296.0	254.8	439.0	499.1	1,424.48	61,252	\$ 4,165
		May	43	1,066,593	24804.49	\$ 333.10	\$ 0.06800	103.0	75.1	296.0	254.8	(976.51)	(41,990)	\$ (2,855)
		June	43	815,719	18970.21	\$ 333.10	\$ 0.06800	0.0	1.3	103.0	75.1	(661.28)	(28,435)	\$ (1,934)
		July	43	723,843	16833.56	\$ 333.10	\$ 0.06800	0.0	0.2	0.0	1.3	30.81	1,325	\$ 90
		August	42	894,005	21285.83	\$ 333.10	\$ 0.06800	0.0	0.0	0.0	0.2	4.74	199	\$ 14
		September	42	971,739	23136.64	\$ 333.10	\$ 0.06800	50.0	15.8	0.0	0.0	-	0	\$ -
		October	42	1,025,547	24417.79	\$ 333.10	\$ 0.06800	353.0	221.7	50.0	15.8	(810.60)	(34,045)	\$ (2,315)
		November	42	1,232,981	29356.69	\$ 333.10	\$ 0.06800	449.0	551.3	353.0	221.7	(3,112.04)	(130,706)	\$ (8,888)
		December	42	1,403,904	33426.29	\$ 333.10	\$ 0.06800	834.0	869.1	449.0	551.3	2,424.69	101,837	\$ 6,925
		Total	511	14,883,959									60,300	\$ 4,100
1,576 40,845,319								225,524 15,336						

Billing Determinants								Weather Normalization						
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Current Month HDD		Previous Month HDD		Volumetric	Volumetric	Revenue
								Actual	Normal	Actual	Normal	Adj. per capita	Adjustment	Adjustment
Concordia	RS-1	December	367					\$ (0.010225)		\$ 0.118259				
		January	370	43,179	116.70	\$ 16.94	\$ 0.17	1,014.0	1,087.4	870.0	986.3	13.00	4,811	\$ 810
		February	371	49,469	133.34	\$ 16.94	\$ 0.16833	830.0	925.2	1,014.0	1,087.4	7.71	2,859	\$ 481
		March	370	41,904	113.25	\$ 16.94	\$ 0.16833	525.0	620.0	830.0	925.2	10.29	3,806	\$ 641
		April	366	25,419	69.45	\$ 16.94	\$ 0.16833	351.0	349.1	525.0	620.0	11.25	4,119	\$ 693
		May	366	16,905	46.19	\$ 16.94	\$ 0.16833	130.0	119.0	351.0	349.1	(0.11)	(41)	\$ (7)
		June	362	7,832	21.64	\$ 16.94	\$ 0.16833	0.0	3.6	130.0	119.0	(1.34)	(484)	\$ (82)
		July	363	5,084	14.01	\$ 16.94	\$ 0.16833	0.0	1.0	0.0	3.6	0.42	151	\$ 25
		August	366	3,617	9.88	\$ 16.94	\$ 0.16833	0.0	0.2	0.0	1.0	0.12	43	\$ 7
		September	365	4,145	11.36	\$ 16.94	\$ 0.16833	54.0	48.9	0.0	0.2	0.08	28	\$ 5
		October	366	5,381	14.70	\$ 16.94	\$ 0.16833	365.0	304.5	54.0	48.9	0.02	6	\$ 1
		November	365	15,491	42.44	\$ 16.94	\$ 0.16833	476.0	643.1	365.0	304.5	(8.86)	(3,235)	\$ (545)
		December	366	23,903	65.31	\$ 16.94	\$ 0.16833	881.0	986.3	476.0	643.1	18.68	6,838	\$ 1,151
		Total	4,396	242,329				4626	5088.3				18,900	\$ 3,181
Dodge City	RS-1	December	34,490					\$ 0.039595		\$ 0.076392				
		January	34,524	3,942,263	114.19	\$ 16.94	\$ 0.17	903.0	972.0	839.0	956.9	11.74	405,266	\$ 68,218
		February	34,581	4,161,964	120.35	\$ 16.94	\$ 0.16833	827.0	843.3	903.0	972.0	5.92	204,597	\$ 34,440
		March	34,666	3,380,943	97.53	\$ 16.94	\$ 0.16833	523.0	574.7	827.0	843.3	3.29	114,129	\$ 19,211
		April	34,543	2,138,522	61.91	\$ 16.94	\$ 0.16833	341.0	333.3	523.0	574.7	3.64	125,895	\$ 21,192
		May	34,413	1,271,716	36.95	\$ 16.94	\$ 0.16833	107.0	118.4	341.0	333.3	(0.14)	(4,709)	\$ (793)
		June	34,467	732,201	21.24	\$ 16.94	\$ 0.16833	2.0	3.5	107.0	118.4	0.93	32,063	\$ 5,397
		July	34,505	545,386	15.81	\$ 16.94	\$ 0.16833	0.0	1.4	2.0	3.5	0.17	5,867	\$ 988
		August	34,532	509,055	14.74	\$ 16.94	\$ 0.16833	0.0	0.1	0.0	1.4	0.11	3,830	\$ 645
		September	34,477	577,513	16.75	\$ 16.94	\$ 0.16833	67.0	34.2	0.0	0.1	(1.29)	(44,512)	\$ (7,493)
		October	34,355	729,704	21.24	\$ 16.94	\$ 0.16833	390.0	290.1	67.0	34.2	(6.46)	(221,974)	\$ (37,365)
		November	34,616	2,006,966	57.98	\$ 16.94	\$ 0.16833	490.0	614.5	390.0	290.1	(2.70)	(93,532)	\$ (15,744)
		December	34,747	3,176,816	91.43	\$ 16.94	\$ 0.16833	869.0	956.9	490.0	614.5	12.99	451,405	\$ 75,985
		Total	414,426	23,173,049				4519	4742.4				978,324	\$ 164,681
Goodland	RS-1	December	2,325					\$ 0.020545		\$ 0.108501				
		January	2,319	300,845	129.73	\$ 16.94	\$ 0.17	984.0	1,037.5	914.0	1,050.5	15.91	36,894	\$ 6,210
		February	2,336	316,629	135.54	\$ 16.94	\$ 0.16833	930.0	941.8	984.0	1,037.5	6.05	14,126	\$ 2,378
		March	2,329	292,280	125.50	\$ 16.94	\$ 0.16833	644.0	682.5	930.0	941.8	2.07	4,824	\$ 812
		April	2,324	191,392	82.35	\$ 16.94	\$ 0.16833	490.0	454.0	644.0	682.5	3.44	7,989	\$ 1,345
		May	2,323	124,845	53.74	\$ 16.94	\$ 0.16833	195.0	214.4	490.0	454.0	(3.51)	(8,148)	\$ (1,372)
		June	2,319	62,750	27.06	\$ 16.94	\$ 0.16833	20.0	15.9	195.0	214.4	2.02	4,686	\$ 789
		July	2,314	35,081	15.16	\$ 16.94	\$ 0.16833	0.0	2.1	20.0	15.9	(0.40)	(930)	\$ (156)
		August	2,312	32,321	13.98	\$ 16.94	\$ 0.16833	2.0	3.3	0.0	2.1	0.25	589	\$ 99
		September	2,312	33,137	14.33	\$ 16.94	\$ 0.16833	122.0	76.2	2.0	3.3	(0.80)	(1,849)	\$ (311)
		October	2,312	55,413	23.97	\$ 16.94	\$ 0.16833	530.0	408.5	122.0	76.2	(7.47)	(17,260)	\$ (2,905)
		November	2,320	160,371	69.13	\$ 16.94	\$ 0.16833	590.0	713.0	530.0	408.5	(10.66)	(24,722)	\$ (4,161)
		December	2,329	224,882	96.56	\$ 16.94	\$ 0.16833	990.0	1,050.5	590.0	713.0	14.59	33,977	\$ 5,719
		Total	27,849	1,829,946				5497	5599.7				50,176	\$ 8,446

Billing Determinants								Weather Normalization						
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Current Month HDD		Previous Month HDD		Volumetric Adj. per capita	Volumetric Adjustment	Revenue Adjustment
								Actual	Normal	Actual	Normal			
Topeka	RS-1	December	32,333					\$ 0.025475		\$ 0.093022				
		January	32,442	3,587,032	110.57	\$ 16.94	\$ 0.17	971.0	1,044.2	839.0	919.1	9.32	302,224	\$ 50,873
		February	32,478	4,011,342	123.51	\$ 16.94	\$ 0.16833	862.0	866.3	971.0	1,044.2	6.92	224,707	\$ 37,825
		March	32,498	3,157,478	97.16	\$ 16.94	\$ 0.16833	480.0	559.9	862.0	866.3	2.44	79,147	\$ 13,323
		April	32,481	1,804,454	55.55	\$ 16.94	\$ 0.16833	339.0	293.1	480.0	559.9	6.26	203,434	\$ 34,244
		May	32,432	1,116,021	34.41	\$ 16.94	\$ 0.16833	129.0	91.5	339.0	293.1	(5.23)	(169,458)	\$ (28,525)
		June	32,453	620,722	19.13	\$ 16.94	\$ 0.16833	0.0	1.4	129.0	91.5	(3.45)	(112,049)	\$ (18,861)
		July	32,496	424,988	13.08	\$ 16.94	\$ 0.16833	0.0	0.2	0.0	1.4	0.14	4,398	\$ 740
		August	33,203	365,530	11.01	\$ 16.94	\$ 0.16833	0.0	0.0	0.0	0.2	0.02	618	\$ 104
		September	32,487	383,399	11.80	\$ 16.94	\$ 0.16833	55.0	34.2	0.0	0.0	(0.53)	(17,214)	\$ (2,898)
		October	32,227	534,034	16.57	\$ 16.94	\$ 0.16833	388.0	282.5	55.0	34.2	(4.62)	(148,968)	\$ (25,076)
		November	32,422	1,570,285	48.43	\$ 16.94	\$ 0.16833	485.0	607.2	388.0	282.5	(6.70)	(217,253)	\$ (36,570)
		December	32,615	2,435,554	74.68	\$ 16.94	\$ 0.16833	878.0	919.1	485.0	607.2	12.41	404,893	\$ 68,156
		Total		390,234	20,010,839				4587	4699.6				554,478
Wichita	RS-1	December	33,018					\$ 0.036118		\$ 0.094655				
		January	33,080	3,845,011	116.23	\$ 16.94	\$ 0.17	877.0	942.5	804.0	869.1	7.72	255,521	\$ 43,012
		February	33,197	4,167,582	125.54	\$ 16.94	\$ 0.16833	792.0	789.8	877.0	942.5	6.04	200,407	\$ 33,734
		March	33,282	3,332,433	100.13	\$ 16.94	\$ 0.16833	439.0	499.1	792.0	789.8	1.33	44,145	\$ 7,431
		April	33,237	1,945,058	58.52	\$ 16.94	\$ 0.16833	296.0	254.8	439.0	499.1	4.54	150,931	\$ 25,406
		May	33,267	1,225,698	36.84	\$ 16.94	\$ 0.16833	103.0	75.1	296.0	254.8	(4.54)	(151,141)	\$ (25,441)
		June	33,376	711,709	21.32	\$ 16.94	\$ 0.16833	0.0	1.3	103.0	75.1	(2.56)	(85,516)	\$ (14,395)
		July	33,429	504,617	15.10	\$ 16.94	\$ 0.16833	0.0	0.2	0.0	1.3	0.13	4,213	\$ 709
		August	33,722	461,895	13.70	\$ 16.94	\$ 0.16833	0.0	0.0	0.0	0.2	0.02	627	\$ 106
		September	33,460	476,152	14.23	\$ 16.94	\$ 0.16833	50.0	15.8	0.0	0.0	(0.87)	(29,152)	\$ (4,907)
		October	33,519	627,204	18.71	\$ 16.94	\$ 0.16833	353.0	221.7	50.0	15.8	(6.53)	(218,752)	\$ (36,823)
		November	33,587	1,800,650	53.61	\$ 16.94	\$ 0.16833	449.0	551.3	353.0	221.7	(9.61)	(322,694)	\$ (54,319)
		December	33,708	2,789,859	82.77	\$ 16.94	\$ 0.16833	834.0	869.1	449.0	551.3	10.41	350,911	\$ 59,069
		Total		400,864	21,887,868				4193	4220.7				199,501

Billing Determinants								Weather Normalization						
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Current Month HDD		Previous Month HDD		Volumetric	Volumetric	Revenue
								Actual	Normal	Actual	Normal	Adj. per capita	Adjustment	Adjustment
Concordia	SC-1	December	40	4,249					\$ 0.005153		\$ 0.196288			
		January	40	6,575	164.38	\$ 25.94	\$ 0.17	1,014.0	1,087.4	870.0	986.3	23.21	928	\$ 156
		February	41	7,400	180.49	\$ 25.94	\$ 0.16833	830.0	925.2	1,014.0	1,087.4	14.90	611	\$ 103
		March	42	6,581	156.69	\$ 25.94	\$ 0.16833	525.0	620.0	830.0	925.2	19.18	805	\$ 136
		April	41	3,596	87.71	\$ 25.94	\$ 0.16833	351.0	349.1	525.0	620.0	18.64	764	\$ 129
		May	41	2,069	50.46	\$ 25.94	\$ 0.16833	130.0	119.0	351.0	349.1	(0.43)	(18)	\$ (3)
		June	41	777	18.95	\$ 25.94	\$ 0.16833	0.0	3.6	130.0	119.0	(2.14)	(88)	\$ (15)
		July	41	500	12.20	\$ 25.94	\$ 0.16833	0.0	1.0	0.0	3.6	0.71	29	\$ 5
		August	41	462	11.27	\$ 25.94	\$ 0.16833	0.0	0.2	0.0	1.0	0.20	8	\$ 1
		September	42	444	10.57	\$ 25.94	\$ 0.16833	54.0	48.9	0.0	0.2	0.01	1	\$ 0
		October	42	563	13.40	\$ 25.94	\$ 0.16833	365.0	304.5	54.0	48.9	(1.31)	(55)	\$ (9)
		November	42	1,963	46.74	\$ 25.94	\$ 0.16833	476.0	643.1	365.0	304.5	(11.01)	(463)	\$ (78)
		December	42	3,169	75.45	\$ 25.94	\$ 0.16833	881.0	986.3	476.0	643.1	33.34	1,400	\$ 236
		Total		496	34,099									3,924
Dodge City	SC-1	December	3,826	769,534					\$ 0.073302		\$ 0.195816			
		January	3,823	889,169	232.58	\$ 25.94	\$ 0.17	903.0	972.0	839.0	956.9	28.14	107,597	\$ 18,112
		February	3,766	913,447	242.55	\$ 25.94	\$ 0.16833	827.0	843.3	903.0	972.0	14.71	55,383	\$ 9,323
		March	3,801	750,110	197.35	\$ 25.94	\$ 0.16833	523.0	574.7	827.0	843.3	6.98	26,537	\$ 4,467
		April	3,793	395,324	104.22	\$ 25.94	\$ 0.16833	341.0	333.3	523.0	574.7	9.56	36,258	\$ 6,103
		May	3,781	190,909	50.49	\$ 25.94	\$ 0.16833	107.0	118.4	341.0	333.3	(0.67)	(2,541)	\$ (428)
		June	3,729	82,357	22.09	\$ 25.94	\$ 0.16833	2.0	3.5	107.0	118.4	2.34	8,734	\$ 1,470
		July	3,752	63,886	17.03	\$ 25.94	\$ 0.16833	0.0	1.4	2.0	3.5	0.40	1,487	\$ 250
		August	3,731	60,369	16.18	\$ 25.94	\$ 0.16833	0.0	0.1	0.0	1.4	0.28	1,050	\$ 177
		September	3,737	62,083	16.61	\$ 25.94	\$ 0.16833	67.0	34.2	0.0	0.1	(2.38)	(8,912)	\$ (1,500)
		October	3,698	79,283	21.44	\$ 25.94	\$ 0.16833	390.0	290.1	67.0	34.2	(13.75)	(50,831)	\$ (8,556)
		November	3,710	345,255	93.06	\$ 25.94	\$ 0.16833	490.0	614.5	390.0	290.1	(10.44)	(38,718)	\$ (6,517)
		December	3,762	642,391	170.76	\$ 25.94	\$ 0.16833	869.0	956.9	490.0	614.5	30.82	115,954	\$ 19,518
		Total		45,083	4,474,583									251,999
Goodland	SC-1	December	323	74,984					\$ 0.035787		\$ 0.247064			
		January	323	85,617	265.07	\$ 25.94	\$ 0.17	984.0	1,037.5	914.0	1,050.5	35.64	11,511	\$ 1,938
		February	315	85,652	271.91	\$ 25.94	\$ 0.16833	930.0	941.8	984.0	1,037.5	13.64	4,297	\$ 723
		March	317	79,007	249.23	\$ 25.94	\$ 0.16833	644.0	682.5	930.0	941.8	4.29	1,361	\$ 229
		April	314	46,210	147.17	\$ 25.94	\$ 0.16833	490.0	454.0	644.0	682.5	8.22	2,582	\$ 435
		May	311	27,809	89.42	\$ 25.94	\$ 0.16833	195.0	214.4	490.0	454.0	(8.20)	(2,550)	\$ (429)
		June	310	11,170	36.03	\$ 25.94	\$ 0.16833	20.0	15.9	195.0	214.4	4.65	1,440	\$ 242
		July	310	5,885	18.98	\$ 25.94	\$ 0.16833	0.0	2.1	20.0	15.9	(0.94)	(291)	\$ (49)
		August	308	5,807	18.85	\$ 25.94	\$ 0.16833	2.0	3.3	0.0	2.1	0.57	174	\$ 29
		September	306	5,668	18.52	\$ 25.94	\$ 0.16833	122.0	76.2	2.0	3.3	(1.32)	(403)	\$ (68)
		October	309	9,620	31.13	\$ 25.94	\$ 0.16833	530.0	408.5	122.0	76.2	(15.66)	(4,840)	\$ (815)
		November	311	35,744	114.93	\$ 25.94	\$ 0.16833	590.0	713.0	530.0	408.5	(25.62)	(7,967)	\$ (1,341)
		December	314	52,834	168.26	\$ 25.94	\$ 0.16833	990.0	1,050.5	590.0	713.0	32.55	10,222	\$ 1,721
		Total		3,748	451,023									15,537

Billing Determinants								Weather Normalization							
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Current Month HDD		Previous Month HDD		Volumetric	Volumetric	Revenue	
								Actual	Normal	Actual	Normal	Adj. per capita	Adjustment	Adjustment	
Topeka	SC-1	December	2,254	361,891					\$ 0.086799		\$ 0.319669				
		January	2,213	470,514	212.61	\$ 25.94	\$ 0.17	971.0	1,044.2	839.0	919.1	31.96	70,726	\$ 11,905	
		February	2,227	525,499	235.97	\$ 25.94	\$ 0.16833	862.0	866.3	971.0	1,044.2	23.77	52,943	\$ 8,912	
		March	2,226	406,619	182.67	\$ 25.94	\$ 0.16833	480.0	559.9	862.0	866.3	8.31	18,498	\$ 3,114	
		April	2,188	195,916	89.54	\$ 25.94	\$ 0.16833	339.0	293.1	480.0	559.9	21.56	47,168	\$ 7,940	
		May	2,181	105,895	48.55	\$ 25.94	\$ 0.16833	129.0	91.5	339.0	293.1	(17.93)	(39,100)	\$ (6,582)	
		June	2,175	49,847	22.92	\$ 25.94	\$ 0.16833	0.0	1.4	129.0	91.5	(11.87)	(25,809)	\$ (4,344)	
		July	2,182	35,065	16.07	\$ 25.94	\$ 0.16833	0.0	0.2	0.0	1.4	0.46	1,014	\$ 171	
		August	2,154	32,102	14.90	\$ 25.94	\$ 0.16833	0.0	0.0	0.0	0.2	0.06	138	\$ 23	
		September	2,130	34,057	15.99	\$ 25.94	\$ 0.16833	55.0	34.2	0.0	0.0	(1.81)	(3,846)	\$ (647)	
		October	2,115	46,735	22.10	\$ 25.94	\$ 0.16833	388.0	282.5	55.0	34.2	(15.81)	(33,431)	\$ (5,627)	
		November	2,136	163,655	76.62	\$ 25.94	\$ 0.16833	485.0	607.2	388.0	282.5	(23.12)	(49,381)	\$ (8,312)	
		December	2,147	274,900	128.04	\$ 25.94	\$ 0.16833	878.0	919.1	485.0	607.2	42.63	91,529	\$ 15,407	
		Total	26,074	2,340,804										130,449	\$ 21,958
Wichita	SC-1	December	2,891	534,053					\$ 0.183011		\$ 0.368279				
		January	2,893	641,410	221.71	\$ 25.94	\$ 0.17	877.0	942.5	804.0	869.1	26.50	76,652	\$ 12,903	
		February	2,904	683,582	235.39	\$ 25.94	\$ 0.16833	792.0	789.8	877.0	942.5	20.75	60,250	\$ 10,142	
		March	2,933	515,906	175.90	\$ 25.94	\$ 0.16833	439.0	499.1	792.0	789.8	4.51	13,238	\$ 2,228	
		April	2,927	242,704	82.92	\$ 25.94	\$ 0.16833	296.0	254.8	439.0	499.1	15.64	45,767	\$ 7,704	
		May	2,916	119,306	40.91	\$ 25.94	\$ 0.16833	103.0	75.1	296.0	254.8	(15.59)	(45,466)	\$ (7,653)	
		June	2,942	56,669	19.26	\$ 25.94	\$ 0.16833	0.0	1.3	103.0	75.1	(8.81)	(25,907)	\$ (4,361)	
		July	2,873	40,354	14.05	\$ 25.94	\$ 0.16833	0.0	0.2	0.0	1.3	0.43	1,244	\$ 209	
		August	2,886	38,014	13.17	\$ 25.94	\$ 0.16833	0.0	0.0	0.0	0.2	0.06	185	\$ 31	
		September	2,820	38,464	13.64	\$ 25.94	\$ 0.16833	50.0	15.8	0.0	0.0	(2.97)	(8,371)	\$ (1,409)	
		October	2,815	53,753	19.10	\$ 25.94	\$ 0.16833	353.0	221.7	50.0	15.8	(22.33)	(62,857)	\$ (10,581)	
		November	2,864	236,095	82.44	\$ 25.94	\$ 0.16833	449.0	551.3	353.0	221.7	(33.09)	(94,778)	\$ (15,954)	
		December	2,899	419,569	144.73	\$ 25.94	\$ 0.16833	834.0	869.1	449.0	551.3	35.75	103,636	\$ 17,445	
		Total	34,672	3,085,826										63,591	\$ 10,704
			110,073	10,386,335										465,498	78,357

Billing Determinants								Weather Normalization						
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Current Month HDD		Previous Month HDD		Volumetric	Volumetric	Revenue
								Actual	Normal	Actual	Normal	Adj. per capita	Adjustment	Adjustment
Concordia	SCTS-A	December	1	387					\$ 0.005153		\$ 0.196288			
		January	1	563	563.00	\$ 25.94	\$ 0.17	1,014.0	1,087.4	870.0	986.3	23.21	23	\$ 4
		February	1	925	925.00	\$ 25.94	\$ 0.16833	830.0	925.2	1,014.0	1,087.4	14.90	15	\$ 3
		March	1	689	689.00	\$ 25.94	\$ 0.16833	525.0	620.0	830.0	925.2	19.18	19	\$ 3
		April	1	259	259.00	\$ 25.94	\$ 0.16833	351.0	349.1	525.0	620.0	18.64	19	\$ 3
		May	1	118	118.00	\$ 25.94	\$ 0.16833	130.0	119.0	351.0	349.1	(0.43)	(0)	\$ (0)
		June	1	28	28.00	\$ 25.94	\$ 0.16833	0.0	3.6	130.0	119.0	(2.14)	(2)	\$ (0)
		July	1	5	5.00	\$ 25.94	\$ 0.16833	0.0	1.0	0.0	3.6	0.71	1	\$ 0
		August	1	4	4.00	\$ 25.94	\$ 0.16833	0.0	0.2	0.0	1.0	0.20	0	\$ 0
		September	1	4	4.00	\$ 25.94	\$ 0.16833	54.0	48.9	0.0	0.2	0.01	0	\$ 0
		October	1	13	13.00	\$ 25.94	\$ 0.16833	365.0	304.5	54.0	48.9	(1.31)	(1)	\$ (0)
		November	1	169	169.00	\$ 25.94	\$ 0.16833	476.0	643.1	365.0	304.5	(11.01)	(11)	\$ (2)
		December	1	230	230.00	\$ 25.94	\$ 0.16833	881.0	986.3	476.0	643.1	33.34	33	\$ 6
		Total		12	3,007									95
Dodge City	SCTS-A	December	74	21,817				\$ 0.114331		\$ 0.255360				
		January	74	31,947	431.72	\$ 25.94	\$ 0.17	903.0	972.0	839.0	956.9	38.00	2,812	\$ 473
		February	82	29,220	356.34	\$ 25.94	\$ 0.16833	827.0	843.3	903.0	972.0	19.48	1,598	\$ 269
		March	73	22,650	310.27	\$ 25.94	\$ 0.16833	523.0	574.7	827.0	843.3	10.07	735	\$ 124
		April	73	10,472	143.45	\$ 25.94	\$ 0.16833	341.0	333.3	523.0	574.7	12.32	899	\$ 151
		May	73	5,323	72.92	\$ 25.94	\$ 0.16833	107.0	118.4	341.0	333.3	(0.66)	(48)	\$ (8)
		June	74	2,489	33.64	\$ 25.94	\$ 0.16833	2.0	3.5	107.0	118.4	3.08	228	\$ 38
		July	74	1,293	17.47	\$ 25.94	\$ 0.16833	0.0	1.4	2.0	3.5	0.54	40	\$ 7
		August	73	1,216	16.66	\$ 25.94	\$ 0.16833	0.0	0.1	0.0	1.4	0.37	27	\$ 5
		September	74	2,224	30.05	\$ 25.94	\$ 0.16833	67.0	34.2	0.0	0.1	(3.72)	(276)	\$ (46)
		October	74	3,469	46.88	\$ 25.94	\$ 0.16833	390.0	290.1	67.0	34.2	(19.80)	(1,465)	\$ (247)
		November	73	11,594	158.82	\$ 25.94	\$ 0.16833	490.0	614.5	390.0	290.1	(11.28)	(823)	\$ (139)
		December	73	19,242	263.59	\$ 25.94	\$ 0.16833	869.0	956.9	490.0	614.5	41.84	3,054	\$ 514
		Total		890	141,139									6,782
Goodland	SCTS-A	December	20	8,156				\$ 0.779814		\$ -				
		January	20	8,793	439.65	\$ 25.94	\$ 0.17	984.0	1,037.5	914.0	1,050.5	41.72	834	\$ 140
		February	20	10,430	521.50	\$ 25.94	\$ 0.16833	930.0	941.8	984.0	1,037.5	9.20	184	\$ 31
		March	20	10,658	532.90	\$ 25.94	\$ 0.16833	644.0	682.5	930.0	941.8	30.02	600	\$ 101
		April	20	6,130	306.50	\$ 25.94	\$ 0.16833	490.0	454.0	644.0	682.5	(28.07)	(561)	\$ (95)
		May	20	4,794	239.70	\$ 25.94	\$ 0.16833	195.0	214.4	490.0	454.0	15.13	303	\$ 51
		June	20	1,633	81.65	\$ 25.94	\$ 0.16833	20.0	15.9	195.0	214.4	(3.20)	(64)	\$ (11)
		July	20	575	28.75	\$ 25.94	\$ 0.16833	0.0	2.1	20.0	15.9	1.64	33	\$ 6
		August	20	600	30.00	\$ 25.94	\$ 0.16833	2.0	3.3	0.0	2.1	1.01	20	\$ 3
		September	20	565	28.25	\$ 25.94	\$ 0.16833	122.0	76.2	2.0	3.3	(35.72)	(714)	\$ (120)
		October	20	1,299	64.95	\$ 25.94	\$ 0.16833	530.0	408.5	122.0	76.2	(94.75)	(1,895)	\$ (319)
		November	20	4,512	225.60	\$ 25.94	\$ 0.16833	590.0	713.0	530.0	408.5	95.92	1,918	\$ 323
		December	20	6,183	309.15	\$ 25.94	\$ 0.16833	990.0	1,050.5	590.0	713.0	47.18	944	\$ 159
		Total		240	56,172									1,602

Billing Determinants								Weather Normalization							
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Current Month HDD		Previous Month HDD		Volumetric	Volumetric	Revenue	
								Actual	Normal	Actual	Normal	Adj. per capita	Adjustment	Adjustment	
Topeka	SCTS-A	December	77	33,619					\$ 0.262830		\$ 1.727005				
		January	46	48,036	1044.26	\$ 25.94	\$ 0.17	971.0	1,044.2	839.0	919.1	157.57	7,248	\$ 1,220	
		February	46	51,750	1125.00	\$ 25.94	\$ 0.16833	862.0	866.3	971.0	1,044.2	127.55	5,867	\$ 988	
		March	45	45,161	1003.58	\$ 25.94	\$ 0.16833	480.0	559.9	862.0	866.3	28.43	1,279	\$ 215	
		April	45	33,632	747.38	\$ 25.94	\$ 0.16833	339.0	293.1	480.0	559.9	125.92	5,667	\$ 954	
		May	45	25,332	562.93	\$ 25.94	\$ 0.16833	129.0	91.5	339.0	293.1	(89.13)	(4,011)	\$ (675)	
		June	44	18,683	424.61	\$ 25.94	\$ 0.16833	0.0	1.4	129.0	91.5	(64.39)	(2,833)	\$ (477)	
		July	44	15,859	360.43	\$ 25.94	\$ 0.16833	0.0	0.2	0.0	1.4	2.47	109	\$ 18	
		August	44	15,356	349.00	\$ 25.94	\$ 0.16833	0.0	0.0	0.0	0.2	0.35	15	\$ 3	
		September	44	15,454	351.23	\$ 25.94	\$ 0.16833	55.0	34.2	0.0	0.0	(5.47)	(241)	\$ (40)	
		October	44	17,851	405.70	\$ 25.94	\$ 0.16833	388.0	282.5	55.0	34.2	(63.65)	(2,801)	\$ (471)	
		November	44	25,477	579.02	\$ 25.94	\$ 0.16833	485.0	607.2	388.0	282.5	(150.08)	(6,604)	\$ (1,112)	
		December	44	32,475	738.07	\$ 25.94	\$ 0.16833	878.0	919.1	485.0	607.2	221.84	9,761	\$ 1,643	
		Total	535	345,066										13,457	\$ 2,265
Wichita	SCTS-A	December	70	24,557					\$ 0.105377		\$ 0.271924				
		January	70	29,231	417.59	\$ 25.94	\$ 0.17	877.0	942.5	804.0	869.1	129.64	9,075	\$ 1,528	
		February	70	32,366	462.37	\$ 25.94	\$ 0.16833	792.0	789.8	877.0	942.5	112.54	7,878	\$ 1,326	
		March	70	25,386	362.66	\$ 25.94	\$ 0.16833	439.0	499.1	792.0	789.8	12.00	840	\$ 141	
		April	70	13,884	198.34	\$ 25.94	\$ 0.16833	296.0	254.8	439.0	499.1	92.96	6,508	\$ 1,095	
		May	70	6,897	98.53	\$ 25.94	\$ 0.16833	103.0	75.1	296.0	254.8	(78.49)	(5,494)	\$ (925)	
		June	70	3,853	55.04	\$ 25.94	\$ 0.16833	0.0	1.3	103.0	75.1	(47.84)	(3,349)	\$ (564)	
		July	70	2,846	40.66	\$ 25.94	\$ 0.16833	0.0	0.2	0.0	1.3	2.30	161	\$ 27	
		August	70	2,580	36.86	\$ 25.94	\$ 0.16833	0.0	0.0	0.0	0.2	0.35	24	\$ 4	
		September	70	2,669	38.13	\$ 25.94	\$ 0.16833	50.0	15.8	0.0	0.0	(8.99)	(629)	\$ (106)	
		October	70	3,979	56.84	\$ 25.94	\$ 0.16833	353.0	221.7	50.0	15.8	(93.57)	(6,550)	\$ (1,103)	
		November	70	13,204	188.63	\$ 25.94	\$ 0.16833	449.0	551.3	353.0	221.7	(199.87)	(13,991)	\$ (2,355)	
		December	70	20,366	290.94	\$ 25.94	\$ 0.16833	834.0	869.1	449.0	551.3	185.90	13,013	\$ 2,190	
		Total	840	157,261										7,485	\$ 1,260
			2,517	702,645										29,421	4,952

Billing Determinants								Weather Normalization						
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Current Month HDD		Previous Month HDD		Volumetric	Volumetric	Revenue
								Actual	Normal	Actual	Normal	Adj. per capita	Adjustment	Adjustment
Concordia	SVF	December	1	315					\$ 0.005153		\$ 0.196288			
		January	1	458	458.00	\$ 52.97	\$ 0.14700	1,014.0	1,087.4	870.0	986.3	23.21	23	\$ 3
		February	1	529	529.00	\$ 52.97	\$ 0.14700	830.0	925.2	1,014.0	1,087.4	14.90	15	\$ 2
		March	1	474	474.00	\$ 52.97	\$ 0.14700	525.0	620.0	830.0	925.2	19.18	19	\$ 3
		April	1	330	330.00	\$ 52.97	\$ 0.14700	351.0	349.1	525.0	620.0	18.64	19	\$ 3
		May	1	231	231.00	\$ 52.97	\$ 0.14700	130.0	119.0	351.0	349.1	(0.43)	(0)	\$ (0)
		June	1	113	113.00	\$ 52.97	\$ 0.14700	0.0	3.6	130.0	119.0	(2.14)	(2)	\$ (0)
		July			0.00	\$ 52.97	\$ 0.14700	0.0	1.0	0.0	3.6	0.71	0	\$ -
		August			0.00	\$ 52.97	\$ 0.14700	0.0	0.2	0.0	1.0	0.20	0	\$ -
		September			0.00	\$ 52.97	\$ 0.14700	54.0	48.9	0.0	0.2	0.01	0	\$ -
		October			0.00	\$ 52.97	\$ 0.14700	365.0	304.5	54.0	48.9	(1.31)	0	\$ -
		November			0.00	\$ 52.97	\$ 0.14700	476.0	643.1	365.0	304.5	(11.01)	0	\$ -
		December			0.00	\$ 52.97	\$ 0.14700	881.0	986.3	476.0	643.1	33.34	0	\$ -
		Total		6	2,135									73
Dodge City	SVF	December	496	655,408					\$ 0.448153		\$ 1.001738			
		January	520	734,869	1,413.21	\$ 52.97	\$ 0.14700	903.0	972.0	839.0	956.9	149.03	77,494	\$ 11,392
		February	558	830,437	1,488.24	\$ 52.97	\$ 0.14700	827.0	843.3	903.0	972.0	76.42	42,645	\$ 6,269
		March	562	710,550	1,264.32	\$ 52.97	\$ 0.14700	523.0	574.7	827.0	843.3	39.50	22,198	\$ 3,263
		April	561	439,838	784.02	\$ 52.97	\$ 0.14700	341.0	333.3	523.0	574.7	48.34	27,118	\$ 3,986
		May	557	264,238	474.39	\$ 52.97	\$ 0.14700	107.0	118.4	341.0	333.3	(2.60)	(1,451)	\$ (213)
		June	557	162,744	292.18	\$ 52.97	\$ 0.14700	2.0	3.5	107.0	118.4	12.09	6,735	\$ 990
		July	560	146,172	261.02	\$ 52.97	\$ 0.14700	0.0	1.4	2.0	3.5	2.13	1,193	\$ 175
		August	560	142,870	255.13	\$ 52.97	\$ 0.14700	0.0	0.1	0.0	1.4	1.45	810	\$ 119
		September	556	142,890	257.00	\$ 52.97	\$ 0.14700	67.0	34.2	0.0	0.1	(14.60)	(8,117)	\$ (1,193)
		October	555	189,013	340.56	\$ 52.97	\$ 0.14700	390.0	290.1	67.0	34.2	(77.63)	(43,083)	\$ (6,333)
		November	550	403,903	734.37	\$ 52.97	\$ 0.14700	490.0	614.5	390.0	290.1	(44.28)	(24,353)	\$ (3,580)
		December	556	610,117	1,097.33	\$ 52.97	\$ 0.14700	869.0	956.9	490.0	614.5	164.11	91,245	\$ 13,413
		Total		6,652	4,777,641									192,434
Goodland	SVF	December	39	46,522					\$ 0.314527		\$ 0.745034			
		January	39	50,570	1,296.67	\$ 52.97	\$ 0.14700	984.0	1,037.5	914.0	1,050.5	118.52	4,622	\$ 679
		February	49	62,305	1,271.53	\$ 52.97	\$ 0.14700	930.0	941.8	984.0	1,037.5	43.57	2,135	\$ 314
		March	49	58,366	1,191.14	\$ 52.97	\$ 0.14700	644.0	682.5	930.0	941.8	20.90	1,024	\$ 151
		April	49	37,183	758.84	\$ 52.97	\$ 0.14700	490.0	454.0	644.0	682.5	17.36	851	\$ 125
		May	49	26,106	532.78	\$ 52.97	\$ 0.14700	195.0	214.4	490.0	454.0	(20.72)	(1,015)	\$ (149)
		June	49	12,341	251.86	\$ 52.97	\$ 0.14700	20.0	15.9	195.0	214.4	13.16	645	\$ 95
		July	49	7,409	151.20	\$ 52.97	\$ 0.14700	0.0	2.1	20.0	15.9	(2.39)	(117)	\$ (17)
		August	49	7,675	156.63	\$ 52.97	\$ 0.14700	2.0	3.3	0.0	2.1	1.97	97	\$ 14
		September	49	6,883	140.47	\$ 52.97	\$ 0.14700	122.0	76.2	2.0	3.3	(13.44)	(658)	\$ (97)
		October	49	10,428	212.82	\$ 52.97	\$ 0.14700	530.0	408.5	122.0	76.2	(72.34)	(3,545)	\$ (521)
		November	49	29,231	596.55	\$ 52.97	\$ 0.14700	590.0	713.0	530.0	408.5	(51.83)	(2,540)	\$ (373)
		December	49	38,844	792.73	\$ 52.97	\$ 0.14700	990.0	1,050.5	590.0	713.0	110.67	5,423	\$ 797
		Total		578	347,341									6,921

Billing Determinants								Weather Normalization							
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Current Month HDD		Previous Month HDD		Volumetric	Volumetric	Revenue	
								Actual	Normal	Actual	Normal	Adj. per capita	Adjustment	Adjustment	
Topeka	SVF	December	319	385,730					\$ 0.086799		\$ 0.319669				
		January	325	485,124	1,492.69	\$ 52.97	\$ 0.14700	984.0	1,037.5	914.0	1,050.5	60.06	19,520	\$ 2,869	
		February	326	550,582	1,688.90	\$ 52.97	\$ 0.14700	930.0	941.8	984.0	1,037.5	21.86	7,127	\$ 1,048	
		March	326	463,260	1,421.04	\$ 52.97	\$ 0.14700	644.0	682.5	930.0	941.8	11.39	3,714	\$ 546	
		April	324	253,819	783.39	\$ 52.97	\$ 0.14700	490.0	454.0	644.0	682.5	7.59	2,459	\$ 362	
		May	323	156,837	485.56	\$ 52.97	\$ 0.14700	195.0	214.4	490.0	454.0	(9.71)	(3,136)	\$ (461)	
		June	321	113,624	353.97	\$ 52.97	\$ 0.14700	20.0	15.9	195.0	214.4	6.39	2,053	\$ 302	
		July	323	97,874	303.02	\$ 52.97	\$ 0.14700	0.0	2.1	20.0	15.9	(1.13)	(364)	\$ (53)	
		August	324	89,458	276.10	\$ 52.97	\$ 0.14700	2.0	3.3	0.0	2.1	1.01	328	\$ 48	
		September	323	100,371	310.75	\$ 52.97	\$ 0.14700	122.0	76.2	2.0	3.3	(7.90)	(2,553)	\$ (375)	
		October	322	127,830	396.99	\$ 52.97	\$ 0.14700	530.0	408.5	122.0	76.2	(39.10)	(12,591)	\$ (1,851)	
		November	322	233,540	725.28	\$ 52.97	\$ 0.14700	590.0	713.0	530.0	408.5	(22.24)	(7,160)	\$ (1,052)	
		December	325	332,367	1,022.67	\$ 52.97	\$ 0.14700	990.0	1,050.5	590.0	713.0	56.37	18,320	\$ 2,693	
		Total		3,884	3,004,686									27,718	\$ 4,075
		Wichita	SVF	December	433	616,095					\$ 0.183011		\$ 0.368279		
January	449			730,056	1,625.96	\$ 52.97	\$ 0.14700	971.0	1,044.2	839.0	919.1	42.90	19,260	\$ 2,831	
February	463			810,010	1,749.48	\$ 52.97	\$ 0.14700	862.0	866.3	971.0	1,044.2	27.74	12,846	\$ 1,888	
March	466			630,473	1,352.95	\$ 52.97	\$ 0.14700	480.0	559.9	862.0	866.3	16.21	7,552	\$ 1,110	
April	463			350,039	756.02	\$ 52.97	\$ 0.14700	339.0	293.1	480.0	559.9	21.03	9,735	\$ 1,431	
May	464			210,752	454.21	\$ 52.97	\$ 0.14700	129.0	91.5	339.0	293.1	(23.77)	(11,028)	\$ (1,621)	
June	466			143,303	307.52	\$ 52.97	\$ 0.14700	0.0	1.4	129.0	91.5	(13.55)	(6,316)	\$ (928)	
July	465			125,731	270.39	\$ 52.97	\$ 0.14700	0.0	0.2	0.0	1.4	0.55	257	\$ 38	
August	463			122,278	264.10	\$ 52.97	\$ 0.14700	0.0	0.0	0.0	0.2	0.07	34	\$ 5	
September	463			121,111	261.58	\$ 52.97	\$ 0.14700	55.0	34.2	0.0	0.0	(3.81)	(1,762)	\$ (259)	
October	462			159,907	346.12	\$ 52.97	\$ 0.14700	388.0	282.5	55.0	34.2	(26.97)	(12,459)	\$ (1,831)	
November	461			379,727	823.70	\$ 52.97	\$ 0.14700	485.0	607.2	388.0	282.5	(16.49)	(7,602)	\$ (1,117)	
December	461			549,027	1,190.95	\$ 52.97	\$ 0.14700	878.0	919.1	485.0	607.2	52.53	24,214	\$ 3,559	
Total				5,546	4,332,414									34,731	\$ 5,105
				16,666	12,464,217										261,877

Billing Determinants								Weather Normalization						
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Current Month HDD		Previous Month HDD		Volumetric	Volumetric	Revenue
								Actual	Normal	Actual	Normal	Adj. per capita	Adjustment	Adjustment
Concordia	SVI	December	0	0					\$ 0.005153		\$ 0.196288			
		January	0	0	0.00	\$ 52.97	\$ 0.15	1,014.0	1,087.4	870.0	986.3	23.21	0	\$ -
		February	0	0	0.00	\$ 52.97	\$ 0.14700	830.0	925.2	1,014.0	1,087.4	14.90	0	\$ -
		March	0	0	0.00	\$ 52.97	\$ 0.14700	525.0	620.0	830.0	925.2	19.18	0	\$ -
		April	0	0	0.00	\$ 52.97	\$ 0.14700	351.0	349.1	525.0	620.0	18.64	0	\$ -
		May	0	0	0.00	\$ 52.97	\$ 0.14700	130.0	119.0	351.0	349.1	(0.43)	0	\$ -
		June	0	0	0.00	\$ 52.97	\$ 0.14700	0.0	3.6	130.0	119.0	(2.14)	0	\$ -
		July	0	0	0.00	\$ 52.97	\$ 0.14700	0.0	1.0	0.0	3.6	0.71	0	\$ -
		August	0	0	0.00	\$ 52.97	\$ 0.14700	0.0	0.2	0.0	1.0	0.20	0	\$ -
		September	0	0	0.00	\$ 52.97	\$ 0.14700	54.0	48.9	0.0	0.2	0.01	0	\$ -
		October	0	0	0.00	\$ 52.97	\$ 0.14700	365.0	304.5	54.0	48.9	(1.31)	0	\$ -
		November	0	0	0.00	\$ 52.97	\$ 0.14700	476.0	643.1	365.0	304.5	(11.01)	0	\$ -
		December	0	0	0.00	\$ 52.97	\$ 0.14700	881.0	986.3	476.0	643.1	33.34	0	\$ -
		Total	0	0										0
Dodge City	SVI	December	44	77,417					\$ 0.448153		\$ 1.001738			
		January	44	71,868	1,633.36	\$ 52.97	\$ 0.14700	903.0	972.0	839.0	956.9	149.03	6,557	\$ 964
		February	43	61,908	1,439.72	\$ 52.97	\$ 0.14700	827.0	843.3	903.0	972.0	76.42	3,286	\$ 483
		March	43	54,635	1,270.58	\$ 52.97	\$ 0.14700	523.0	574.7	827.0	843.3	39.50	1,698	\$ 250
		April	45	34,031	756.24	\$ 52.97	\$ 0.14700	341.0	333.3	523.0	574.7	48.34	2,175	\$ 320
		May	44	27,527	625.61	\$ 52.97	\$ 0.14700	107.0	118.4	341.0	333.3	(2.60)	(115)	\$ (17)
		June	44	11,255	255.80	\$ 52.97	\$ 0.14700	2.0	3.5	107.0	118.4	12.09	532	\$ 78
		July	43	7,313	170.07	\$ 52.97	\$ 0.14700	0.0	1.4	2.0	3.5	2.13	92	\$ 13
		August	45	10,506	233.47	\$ 52.97	\$ 0.14700	0.0	0.1	0.0	1.4	1.45	65	\$ 10
		September	46	14,472	314.61	\$ 52.97	\$ 0.14700	67.0	34.2	0.0	0.1	(14.60)	(672)	\$ (99)
		October	46	31,297	680.37	\$ 52.97	\$ 0.14700	390.0	290.1	67.0	34.2	(77.63)	(3,571)	\$ (525)
		November	45	40,723	904.96	\$ 52.97	\$ 0.14700	490.0	614.5	390.0	290.1	(44.28)	(1,993)	\$ (293)
		December	46	59,543	1,294.41	\$ 52.97	\$ 0.14700	869.0	956.9	490.0	614.5	164.11	7,549	\$ 1,110
		Total	534	425,078										15,605
Goodland	SVI	December	5	2,423					\$ 0.314527		\$ 0.745034			
		January	5	0	0.00	\$ 52.97	\$ 0.14700	984.0	1,037.5	914.0	1,050.5	118.52	593	\$ 87
		February	5	0	0.00	\$ 52.97	\$ 0.14700	930.0	941.8	984.0	1,037.5	43.57	218	\$ 32
		March	5	0	0.00	\$ 52.97	\$ 0.14700	644.0	682.5	930.0	941.8	20.90	105	\$ 15
		April	5	0	0.00	\$ 52.97	\$ 0.14700	490.0	454.0	644.0	682.5	17.36	87	\$ 13
		May	5	0	0.00	\$ 52.97	\$ 0.14700	195.0	214.4	490.0	454.0	(20.72)	(104)	\$ (15)
		June	5	0	0.00	\$ 52.97	\$ 0.14700	20.0	15.9	195.0	214.4	13.16	66	\$ 10
		July	5	0	0.00	\$ 52.97	\$ 0.14700	0.0	2.1	20.0	15.9	(2.39)	(12)	\$ (2)
		August	5	0	0.00	\$ 52.97	\$ 0.14700	2.0	3.3	0.0	2.1	1.97	10	\$ 1
		September	5	0	0.00	\$ 52.97	\$ 0.14700	122.0	76.2	2.0	3.3	(13.44)	(67)	\$ (10)
		October	5	5,130	1,026.00	\$ 52.97	\$ 0.14700	530.0	408.5	122.0	76.2	(72.34)	(362)	\$ (53)
		November	5	34,448	6,889.60	\$ 52.97	\$ 0.14700	590.0	713.0	530.0	408.5	(51.83)	(259)	\$ (38)
		December	5	3,579	715.80	\$ 52.97	\$ 0.14700	990.0	1,050.5	590.0	713.0	110.67	553	\$ 81
		Total	60	43,157										827

Billing Determinants								Weather Normalization						
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Current Month HDD		Previous Month HDD		Volumetric	Volumetric	Revenue
								Actual	Normal	Actual	Normal	Adj. per capita	Adjustment	Adjustment
Topeka	SVI	December	2	201					\$ 0.086799		\$ 0.319669			
		January	2	310	155.00	\$ 52.97	\$ 0.14700	971.0	1,044.2	839.0	919.1	31.96	64	\$ 9
		February	1	696	696.00	\$ 52.97	\$ 0.14700	862.0	866.3	971.0	1,044.2	23.77	24	\$ 3
		March	1	351	351.00	\$ 52.97	\$ 0.14700	480.0	559.9	862.0	866.3	8.31	8	\$ 1
		April	1	7	7.00	\$ 52.97	\$ 0.14700	339.0	293.1	480.0	559.9	21.56	22	\$ 3
		May	1	1	1.00	\$ 52.97	\$ 0.14700	129.0	91.5	339.0	293.1	(17.93)	(18)	\$ (3)
		June	1	0	0.00	\$ 52.97	\$ 0.14700	0.0	1.4	129.0	91.5	(11.87)	(12)	\$ (2)
		July	1	0	0.00	\$ 52.97	\$ 0.14700	0.0	0.2	0.0	1.4	0.46	0	\$ 0
		August	1	0	0.00	\$ 52.97	\$ 0.14700	0.0	0.0	0.0	0.2	0.06	0	\$ 0
		September	1	0	0.00	\$ 52.97	\$ 0.14700	55.0	34.2	0.0	0.0	(1.81)	(2)	\$ (0)
		October	1	0	0.00	\$ 52.97	\$ 0.14700	388.0	282.5	55.0	34.2	(15.81)	(16)	\$ (2)
		November	1	17	17.00	\$ 52.97	\$ 0.14700	485.0	607.2	388.0	282.5	(23.12)	(23)	\$ (3)
		December	1	90	90.00	\$ 52.97	\$ 0.14700	878.0	919.1	485.0	607.2	42.63	43	\$ 6
		Total		13	1,472									90
Wichita	SVI	December	32						\$ 0.183011		\$ 0.368279			
		January	32	55,581	1,736.91	\$ 52.97	\$ 0.14700	877.0	942.5	804.0	869.1	26.50	848	\$ 125
		February	32	59,287	1,852.72	\$ 52.97	\$ 0.14700	792.0	789.8	877.0	942.5	20.75	664	\$ 98
		March	33	51,010	1,545.76	\$ 52.97	\$ 0.14700	439.0	499.1	792.0	789.8	4.51	149	\$ 22
		April	32	24,988	780.88	\$ 52.97	\$ 0.14700	296.0	254.8	439.0	499.1	15.64	500	\$ 74
		May	32	15,427	482.09	\$ 52.97	\$ 0.14700	103.0	75.1	296.0	254.8	(15.59)	(499)	\$ (73)
		June	32	7,098	221.81	\$ 52.97	\$ 0.14700	0.0	1.3	103.0	75.1	(8.81)	(282)	\$ (41)
		July	32	5,629	175.91	\$ 52.97	\$ 0.14700	0.0	0.2	0.0	1.3	0.43	14	\$ 2
		August	32	5,592	174.75	\$ 52.97	\$ 0.14700	0.0	0.0	0.0	0.2	0.06	2	\$ 0
		September	32	5,407	168.97	\$ 52.97	\$ 0.14700	50.0	15.8	0.0	0.0	(2.97)	(95)	\$ (14)
		October	32	6,842	213.81	\$ 52.97	\$ 0.14700	353.0	221.7	50.0	15.8	(22.33)	(715)	\$ (105)
		November	32	20,406	637.69	\$ 52.97	\$ 0.14700	449.0	551.3	353.0	221.7	(33.09)	(1,059)	\$ (156)
		December	32	30,523	953.84	\$ 52.97	\$ 0.14700	834.0	869.1	449.0	551.3	35.75	1,144	\$ 168
		Total		385	287,790									672
			992	757,497										
					17,194 2,528									

Billing Determinants								Weather Normalization						
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Current Month HDD		Previous Month HDD		Volumetric	Volumetric	Revenue
								Actual	Normal	Actual	Normal	Adj. per capita	Adjustment	Adjustment
Concordia	SVTS-A	December	0	0					\$ 0.005153		\$ 0.196288			
		January	0	0	0.00	\$ 52.97	\$ 0.15	1,014.0	1,087.4	870.0	986.3	23.21	0	\$ -
		February	0	0	0.00	\$ 52.97	\$ 0.14700	830.0	925.2	1,014.0	1,087.4	14.90	0	\$ -
		March	0	0	0.00	\$ 52.97	\$ 0.14700	525.0	620.0	830.0	925.2	19.18	0	\$ -
		April	0	0	0.00	\$ 52.97	\$ 0.14700	351.0	349.1	525.0	620.0	18.64	0	\$ -
		May	0	0	0.00	\$ 52.97	\$ 0.14700	130.0	119.0	351.0	349.1	(0.43)	0	\$ -
		June	0	0	0.00	\$ 52.97	\$ 0.14700	0.0	3.6	130.0	119.0	(2.14)	0	\$ -
		July	0	0	0.00	\$ 52.97	\$ 0.14700	0.0	1.0	0.0	3.6	0.71	0	\$ -
		August	0	0	0.00	\$ 52.97	\$ 0.14700	0.0	0.2	0.0	1.0	0.20	0	\$ -
		September	0	0	0.00	\$ 52.97	\$ 0.14700	54.0	48.9	0.0	0.2	0.01	0	\$ -
		October	0	0	0.00	\$ 52.97	\$ 0.14700	365.0	304.5	54.0	48.9	(1.31)	0	\$ -
		November	0	0	0.00	\$ 52.97	\$ 0.14700	476.0	643.1	365.0	304.5	(11.01)	0	\$ -
		December	0	0	0.00	\$ 52.97	\$ 0.14700	881.0	986.3	476.0	643.1	33.34	0	\$ -
		Total	0	0										0
Dodge City	SVTS-A	December	181	378,282					\$ -		\$ 1.024965			
		January	181	457,396	2527.05	\$ 52.97	\$ 0.15	903.0	972.0	839.0	956.9	120.84	21,873	\$ 3,215
		February	180	477,238	2651.32	\$ 52.97	\$ 0.14700	827.0	843.3	903.0	972.0	70.72	12,730	\$ 1,871
		March	181	427,475	2361.74	\$ 52.97	\$ 0.14700	523.0	574.7	827.0	843.3	16.71	3,024	\$ 445
		April	180	261,346	1451.92	\$ 52.97	\$ 0.14700	341.0	333.3	523.0	574.7	52.99	9,538	\$ 1,402
		May	179	164,214	917.40	\$ 52.97	\$ 0.14700	107.0	118.4	341.0	333.3	(7.89)	(1,413)	\$ (208)
		June	180	94,221	523.45	\$ 52.97	\$ 0.14700	2.0	3.5	107.0	118.4	11.68	2,103	\$ 309
		July	181	62,714	346.49	\$ 52.97	\$ 0.14700	0.0	1.4	2.0	3.5	1.54	278	\$ 41
		August	181	61,434	339.41	\$ 52.97	\$ 0.14700	0.0	0.1	0.0	1.4	1.43	260	\$ 38
		September	178	69,110	388.26	\$ 52.97	\$ 0.14700	67.0	34.2	0.0	0.1	0.10	18	\$ 3
		October	178	101,545	570.48	\$ 52.97	\$ 0.14700	390.0	290.1	67.0	34.2	(33.62)	(5,984)	\$ (880)
		November	177	219,989	1242.88	\$ 52.97	\$ 0.14700	490.0	614.5	390.0	290.1	(102.39)	(18,124)	\$ (2,664)
		December	178	319,333	1794.01	\$ 52.97	\$ 0.14700	869.0	956.9	490.0	614.5	127.61	22,714	\$ 3,339
		Total	2,154	2,716,015										47,018
Goodland	SVTS-A	December	20	28,101					\$ 0.779814		\$ -			
		January	20	28,293	1414.65	\$ 52.97	\$ 0.15	984.0	1,037.5	914.0	1,050.5	41.72	834	\$ 123
		February	20	29,530	1476.50	\$ 52.97	\$ 0.14700	930.0	941.8	984.0	1,037.5	9.20	184	\$ 27
		March	20	33,547	1677.35	\$ 52.97	\$ 0.14700	644.0	682.5	930.0	941.8	30.02	600	\$ 88
		April	20	19,276	963.80	\$ 52.97	\$ 0.14700	490.0	454.0	644.0	682.5	(28.07)	(561)	\$ (83)
		May	20	12,678	633.90	\$ 52.97	\$ 0.14700	195.0	214.4	490.0	454.0	15.13	303	\$ 44
		June	20	9,798	489.90	\$ 52.97	\$ 0.14700	20.0	15.9	195.0	214.4	(3.20)	(64)	\$ (9)
		July	20	4,773	238.65	\$ 52.97	\$ 0.14700	0.0	2.1	20.0	15.9	1.64	33	\$ 5
		August	20	5,316	265.80	\$ 52.97	\$ 0.14700	2.0	3.3	0.0	2.1	1.01	20	\$ 3
		September	20	4,524	226.20	\$ 52.97	\$ 0.14700	122.0	76.2	2.0	3.3	(35.72)	(714)	\$ (105)
		October	20	5,766	288.30	\$ 52.97	\$ 0.14700	530.0	408.5	122.0	76.2	(94.75)	(1,895)	\$ (279)
		November	20	15,118	755.90	\$ 52.97	\$ 0.14700	590.0	713.0	530.0	408.5	95.92	1,918	\$ 282
		December	20	20,625	1031.25	\$ 52.97	\$ 0.14700	990.0	1,050.5	590.0	713.0	47.18	944	\$ 139
		Total	240	189,244										1,602

Billing Determinants								Weather Normalization						
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Current Month HDD		Previous Month HDD		Volumetric Adj. per capita	Volumetric Adjustment	Revenue Adjustment
								Actual	Normal	Actual	Normal			
Topeka	SVTS-A	December	115	220,228					\$ 0.262830		\$ 1.727005			
		January	109	277,998	2550.44	\$ 52.97	\$ 0.15	971.0	1,044.2	839.0	919.1	157.57	17,175	\$ 2,525
		February	109	308,320	2828.62	\$ 52.97	\$ 0.14700	862.0	866.3	971.0	1,044.2	127.55	13,903	\$ 2,044
		March	109	262,078	2404.39	\$ 52.97	\$ 0.14700	480.0	559.9	862.0	866.3	28.43	3,098	\$ 455
		April	109	149,803	1374.34	\$ 52.97	\$ 0.14700	339.0	293.1	480.0	559.9	125.92	13,726	\$ 2,018
		May	109	89,877	824.56	\$ 52.97	\$ 0.14700	129.0	91.5	339.0	293.1	(89.13)	(9,715)	\$ (1,428)
		June	108	58,121	538.16	\$ 52.97	\$ 0.14700	0.0	1.4	129.0	91.5	(64.39)	(6,955)	\$ (1,022)
		July	108	45,150	418.06	\$ 52.97	\$ 0.14700	0.0	0.2	0.0	1.4	2.47	267	\$ 39
		August	108	43,786	405.43	\$ 52.97	\$ 0.14700	0.0	0.0	0.0	0.2	0.35	37	\$ 5
		September	107	50,936	476.04	\$ 52.97	\$ 0.14700	55.0	34.2	0.0	0.0	(5.47)	(585)	\$ (86)
		October	107	67,506	630.90	\$ 52.97	\$ 0.14700	388.0	282.5	55.0	34.2	(63.65)	(6,811)	\$ (1,001)
		November	106	138,678	1308.28	\$ 52.97	\$ 0.14700	485.0	607.2	388.0	282.5	(150.08)	(15,909)	\$ (2,339)
		December	106	193,358	1824.13	\$ 52.97	\$ 0.14700	878.0	919.1	485.0	607.2	221.84	23,515	\$ 3,457
		Total		1,295	1,685,611									31,748
Wichita	SVTS-A	December	141	335,210					\$ 0.785750		\$ 3.176062			
		January	141	484,164	3433.79	\$ 52.97	\$ 0.15	877.0	942.5	804.0	869.1	129.64	18,280	\$ 2,687
		February	141	536,701	3806.39	\$ 52.97	\$ 0.14700	792.0	789.8	877.0	942.5	112.54	15,868	\$ 2,333
		March	140	448,717	3205.12	\$ 52.97	\$ 0.14700	439.0	499.1	792.0	789.8	12.00	1,680	\$ 247
		April	140	236,432	1688.80	\$ 52.97	\$ 0.14700	296.0	254.8	439.0	499.1	92.96	13,015	\$ 1,913
		May	140	116,284	830.60	\$ 52.97	\$ 0.14700	103.0	75.1	296.0	254.8	(78.49)	(10,988)	\$ (1,615)
		June	139	71,668	515.60	\$ 52.97	\$ 0.14700	0.0	1.3	103.0	75.1	(47.84)	(6,650)	\$ (978)
		July	139	57,275	412.05	\$ 52.97	\$ 0.14700	0.0	0.2	0.0	1.3	2.30	319	\$ 47
		August	138	52,443	380.02	\$ 52.97	\$ 0.14700	0.0	0.0	0.0	0.2	0.35	48	\$ 7
		September	137	61,453	448.56	\$ 52.97	\$ 0.14700	50.0	15.8	0.0	0.0	(8.99)	(1,231)	\$ (181)
		October	136	81,872	602.00	\$ 52.97	\$ 0.14700	353.0	221.7	50.0	15.8	(93.57)	(12,726)	\$ (1,871)
		November	136	236,507	1739.02	\$ 52.97	\$ 0.14700	449.0	551.3	353.0	221.7	(199.87)	(27,182)	\$ (3,996)
		December	136	358,476	2635.85	\$ 52.97	\$ 0.14700	834.0	869.1	449.0	551.3	185.90	25,282	\$ 3,716
		Total		1,663	2,741,992									15,714
														</

EXHIBIT LJE-3
DOCKET NO. 21-BHCG-418-RTS
CUSTOMER ANNUALIZATION

Billing Determinants								Customer Annualization					
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Customer Annualization	Annualized Customer	Volumetric Adjustment	Customer Charge Adjustment	Volumetric Revenue Adjustment	Total Revenue Adjustment
Concordia	IR	December	37	1,887									
		January	37	562	15.19	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		February	36	361	10.03	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		March	36	309	8.58	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		April	37	2,539	68.62	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		May	28	39,950	1426.79	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		June	36	112,389	3121.92	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		July	37	160,620	4341.08	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		August	37	129,378	3496.70	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		September	37	54,681	1477.86	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		October	28	7,345	262.32	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		November	36	3,372	93.67	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		December	37	443	11.97	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		Total							0	0 \$	- \$	- \$	-
Dodge City	IR	December	772	507,464									
		January	804	306,228	380.88	\$ 28.45	\$ 0.05100	2.08	24	9,721 \$	682 \$	496 \$	1,177
		February	792	134,407	169.71	\$ 28.45	\$ 0.05100	2.08	22	4,313 \$	622 \$	220 \$	842
		March	793	344,604	434.56	\$ 28.45	\$ 0.05100	2.08	20	8,492 \$	563 \$	433 \$	996
		April	795	1,165,322	1465.81	\$ 28.45	\$ 0.05100	2.08	18	23,967 \$	504 \$	1,222 \$	1,726
		May	784	2,617,988	3339.27	\$ 28.45	\$ 0.05100	2.08	16	50,487 \$	445 \$	2,575 \$	3,019
		June	803	4,275,217	5324.06	\$ 28.45	\$ 0.05100	2.08	14	72,953 \$	385 \$	3,721 \$	4,106
		July	810	5,737,138	7082.89	\$ 28.45	\$ 0.05100	2.08	11	84,426 \$	326 \$	4,306 \$	4,632
		August	802	4,589,656	5722.76	\$ 28.45	\$ 0.05100	2.08	9	52,297 \$	267 \$	2,667 \$	2,934
		September	794	2,483,106	3127.34	\$ 28.45	\$ 0.05100	2.08	7	22,624 \$	207 \$	1,154 \$	1,361
		October	732	1,206,626	1648.40	\$ 28.45	\$ 0.05100	2.08	5	8,325 \$	148 \$	425 \$	573
		November	760	624,711	821.99	\$ 28.45	\$ 0.05100	2.08	3	2,804 \$	89 \$	143 \$	232
		December	797	253,880	318.54	\$ 28.45	\$ 0.05100	2.08	1	331 \$	30 \$	17 \$	46
		Total							150	340,740 \$	4,268 \$	17,378 \$	21,645
Goodland	IR	December	410	11,917									
		January	408	8,711	21.35	\$ 28.45	\$ 0.05100	-0.58	-7	-154 \$	(191) \$	(8) \$	(199)
		February	408	9,063	22.21	\$ 28.45	\$ 0.05100	-0.58	-6	-91 \$	(174) \$	(5) \$	(179)
		March	409	13,218	32.32	\$ 28.45	\$ 0.05100	-0.58	-6	-256 \$	(158) \$	(13) \$	(171)
		April	418	112,052	268.07	\$ 28.45	\$ 0.05100	-0.58	-5	-757 \$	(141) \$	(39) \$	(180)
		May	411	486,148	1182.84	\$ 28.45	\$ 0.05100	-0.58	-4	-4,947 \$	(124) \$	(252) \$	(377)
		June	409	748,438	1829.92	\$ 28.45	\$ 0.05100	-0.58	-4	-6,630 \$	(108) \$	(338) \$	(446)
		July	414	1,566,861	3784.69	\$ 28.45	\$ 0.05100	-0.58	-3	-12,731 \$	(91) \$	(649) \$	(741)
		August	418	1,557,149	3725.24	\$ 28.45	\$ 0.05100	-0.58	-3	-9,826 \$	(75) \$	(501) \$	(576)
		September	401	985,429	2457.43	\$ 28.45	\$ 0.05100	-0.58	-2	-4,839 \$	(58) \$	(247) \$	(305)
		October	415	326,062	785.69	\$ 28.45	\$ 0.05100	-0.58	-1	-1,074 \$	(41) \$	(55) \$	(96)
		November	414	58,655	141.68	\$ 28.45	\$ 0.05100	-0.58	-1	-106 \$	(25) \$	(5) \$	(30)
		December	403	45,941	114.00	\$ 28.45	\$ 0.05100	-0.58	0	-40 \$	(8) \$	(2) \$	(10)
		Total							-42	-41,451 \$	(1,195) \$	(2,114) \$	(3,309)

Billing Determinants								Customer Annualization					
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Customer Annualization	Annualized Customer	Volumetric Adjustment	Customer Charge Adjustment	Volumetric Revenue Adjustment	Total Revenue Adjustment
Topeka	IR	December	0	0									
		January	0	0	0.00	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		February	0	0	0.00	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		March	0	0	0.00	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		April	0	0	0.00	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		May	0	0	0.00	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		June	0	0	0.00	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		July	0	0	0.00	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		August	0	0	0.00	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		September	0	0	0.00	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		October	0	0	0.00	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		November	0	0	0.00	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		December	0	0	0.00	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		Total							0	0 \$	- \$	- \$	-
Wichita	IR	December	96	11,471									
		January	97	9,623	99.21	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		February	97	13,351	137.64	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		March	97	8,507	87.70	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		April	97	5,501	56.71	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		May	97	9,605	99.02	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		June	97	35,999	371.12	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		July	97	106,819	1101.23	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		August	96	131,353	1368.26	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		September	98	120,148	1226.00	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		October	97	33,923	349.72	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		November	98	13,876	141.59	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		December	97	8,711	89.80	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		Total							0	0 \$	- \$	- \$	-
								\$ -	108	299,289	\$ 3,073	\$ 15,264	\$ 18,336

Billing Determinants								Customer Annualization					
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Customer Annualization	Annualized Customer	Volumetric Adjustment	Customer Charge Adjustment	Volumetric Revenue Adjustment	Total Revenue Adjustment
Concordia	ITS-A	December	10	151									
		January	10	42	4.20	\$ 28.45	\$ 0.05	0.00	0	0 \$	- \$	- \$	-
		February	10	34	3.40	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		March	10	321	32.10	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		April	10	633	63.30	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		May	10	7,354	735.40	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		June	10	16,348	1634.80	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		July	10	27,043	2704.30	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		August	10	20,229	2022.90	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		September	10	6,370	637.00	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		October	10	1,471	147.10	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		November	10	673	67.30	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		December	10	86	8.60	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		Total							0	0 \$	- \$	- \$	-
Dodge City	ITS-A	December	170	76,784									
		January	172	97,900	569.19	\$ 28.45	\$ 0.05	-0.33	-4	-2,255 \$	(109) \$	(115) \$	(224)
		February	161	29,033	180.33	\$ 28.45	\$ 0.05100	-0.33	-4	-705 \$	(100) \$	(36) \$	(136)
		March	169	97,834	578.90	\$ 28.45	\$ 0.05100	-0.33	-3	-1,820 \$	(90) \$	(93) \$	(183)
		April	169	231,354	1368.96	\$ 28.45	\$ 0.05100	-0.33	-3	-3,635 \$	(81) \$	(185) \$	(266)
		May	165	480,558	2912.47	\$ 28.45	\$ 0.05100	-0.33	-3	-7,074 \$	(71) \$	(361) \$	(432)
		June	167	661,286	3959.80	\$ 28.45	\$ 0.05100	-0.33	-2	-8,685 \$	(62) \$	(443) \$	(505)
		July	168	992,594	5908.30	\$ 28.45	\$ 0.05100	-0.33	-2	-11,233 \$	(52) \$	(573) \$	(625)
		August	149	711,045	4772.11	\$ 28.45	\$ 0.05100	-0.33	-2	-6,992 \$	(43) \$	(357) \$	(399)
		September	165	448,550	2718.48	\$ 28.45	\$ 0.05100	-0.33	-1	-3,149 \$	(33) \$	(161) \$	(194)
		October	153	199,900	1306.54	\$ 28.45	\$ 0.05100	-0.33	-1	-1,057 \$	(24) \$	(54) \$	(78)
		November	154	70,450	457.47	\$ 28.45	\$ 0.05100	-0.33	-1	-258 \$	(14) \$	(13) \$	(27)
		December	166	46,246	278.59	\$ 28.45	\$ 0.05100	-0.33	0	-46 \$	(5) \$	(2) \$	(7)
		Total							-24	-46,908 \$	(683) \$	(2,392) \$	(3,075)
Goodland	ITS-A	December	195	5,616									
		January	195	3,483	17.86	\$ 28.45	\$ 0.05	-0.50	-6	-110 \$	(164) \$	(6) \$	(169)
		February	193	4,256	22.05	\$ 28.45	\$ 0.05100	-0.50	-5	-86 \$	(149) \$	(4) \$	(154)
		March	193	9,702	50.27	\$ 28.45	\$ 0.05100	-0.50	-5	-289 \$	(135) \$	(15) \$	(150)
		April	195	53,718	275.48	\$ 28.45	\$ 0.05100	-0.50	-4	-795 \$	(121) \$	(41) \$	(161)
		May	193	259,238	1343.20	\$ 28.45	\$ 0.05100	-0.50	-4	-4,887 \$	(107) \$	(249) \$	(356)
		June	197	360,285	1828.86	\$ 28.45	\$ 0.05100	-0.50	-3	-5,741 \$	(92) \$	(293) \$	(385)
		July	192	814,971	4244.64	\$ 28.45	\$ 0.05100	-0.50	-3	-12,059 \$	(78) \$	(615) \$	(693)
		August	191	817,643	4280.85	\$ 28.45	\$ 0.05100	-0.50	-2	-9,663 \$	(64) \$	(493) \$	(557)
		September	191	597,864	3130.18	\$ 28.45	\$ 0.05100	-0.50	-2	-5,361 \$	(50) \$	(273) \$	(323)
		October	191	101,767	532.81	\$ 28.45	\$ 0.05100	-0.50	-1	-619 \$	(36) \$	(32) \$	(67)
		November	193	36,372	188.46	\$ 28.45	\$ 0.05100	-0.50	-1	-129 \$	(21) \$	(7) \$	(28)
		December	189	28,276	149.61	\$ 28.45	\$ 0.05100	-0.50	0	-42 \$	(7) \$	(2) \$	(9)
		Total							-36	-39,782 \$	(1,024) \$	(2,029) \$	(3,053)

Billing Determinants								Customer Annualization					
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Customer Annualization	Annualized Customer	Volumetric Adjustment	Customer Charge Adjustment	Volumetric Revenue Adjustment	Total Revenue Adjustment
Topeka	ITS-A	December	0	0									
		January	0	0	0.00	\$ 28.45	\$ 0.05	0.00	0	0 \$	- \$	- \$	-
		February	0	0	0.00	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		March	0	0	0.00	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		April	0	0	0.00	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		May	0	0	0.00	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		June	0	0	0.00	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		July	0	0	0.00	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		August	0	0	0.00	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		September	0	0	0.00	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		October	0	0	0.00	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		November	0	0	0.00	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		December	0	0	0.00	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		Total							0	0 \$	- \$	- \$	-
Wichita	ITS-A	December	2	408									
		January	2	570	285.00	\$ 28.45	\$ 0.05	0.00	0	0 \$	- \$	- \$	-
		February	2	762	381.00	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		March	2	614	307.00	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		April	2	249	124.50	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		May	2	746	373.00	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		June	2	200	100.00	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		July	2	3,122	1561.00	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		August	2	2,089	1044.50	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		September	2	3,474	1737.00	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		October	2	465	232.50	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		November	2	633	316.50	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		December	2	326	163.00	\$ 28.45	\$ 0.05100	0.00	0	0 \$	- \$	- \$	-
		Total							0	0 \$	- \$	- \$	-
								\$ -	-60	-86,690	\$ (1,707)	\$ (4,421)	\$ (6,128)

Billing Determinants								Customer Annualization					
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Customer Coefficient	Annualized Customer	Volumetric Adjustment	Customer Charge Adjustment	Volumetric Revenue Adjustment	Total Revenue Adjustment
Concordia	LVF	December	0	0									
		January	0	0	0.00	\$ 333.10	\$ 0.07	0.08	1	22 \$	319 \$	2 \$	321
		February	0	0	0.00	\$ 333.10	\$ 0.06800	0.08	1	13 \$	291 \$	1 \$	292
		March	0	0	0.00	\$ 333.10	\$ 0.06800	0.08	1	15 \$	264 \$	1 \$	265
		April	0	0	0.00	\$ 333.10	\$ 0.06800	0.08	1	13 \$	236 \$	1 \$	237
		May	0	0	0.00	\$ 333.10	\$ 0.06800	0.08	1	0 \$	208 \$	(0) \$	208
		June	0	0	0.00	\$ 333.10	\$ 0.06800	0.08	1	-1 \$	180 \$	(0) \$	180
		July	0	0	0.00	\$ 333.10	\$ 0.06800	0.08	0	0 \$	153 \$	0 \$	153
		August	0	0	0.00	\$ 333.10	\$ 0.06800	0.08	0	0 \$	125 \$	0 \$	125
		September	1	2	2.00	\$ 333.10	\$ 0.06800	0.08	0	1 \$	97 \$	0 \$	97
		October	1	811	811.00	\$ 333.10	\$ 0.06800	0.08	0	169 \$	69 \$	11 \$	81
		November	1	889	889.00	\$ 333.10	\$ 0.06800	0.08	0	110 \$	42 \$	7 \$	49
		December	1	1,137	1,137.00	\$ 333.10	\$ 0.06800	0.08	0	49 \$	14 \$	3 \$	17
		Total	4	2,839					1	390 \$	1,999 \$	27 \$	2,025
Dodge City	LVF	December	8	69,694									
		January	8	145,668	18,208.50	\$ 333.10	\$ 0.07	0.17	2	34,900 \$	638 \$	2,373 \$	3,012
		February	9	120,932	13,436.89	\$ 333.10	\$ 0.06800	0.17	2	23,515 \$	583 \$	1,599 \$	2,182
		March	9	86,064	9,562.67	\$ 333.10	\$ 0.06800	0.17	2	15,141 \$	527 \$	1,030 \$	1,557
		April	9	51,267	5,696.33	\$ 333.10	\$ 0.06800	0.17	1	8,070 \$	472 \$	549 \$	1,021
		May	9	26,203	2,911.44	\$ 333.10	\$ 0.06800	0.17	1	3,639 \$	416 \$	247 \$	664
		June	9	16,265	1,807.22	\$ 333.10	\$ 0.06800	0.17	1	1,958 \$	361 \$	133 \$	494
		July	10	15,796	1,579.60	\$ 333.10	\$ 0.06800	0.17	1	1,448 \$	305 \$	98 \$	404
		August	10	10,520	1,052.00	\$ 333.10	\$ 0.06800	0.17	1	789 \$	250 \$	54 \$	303
		September	10	18,802	1,880.20	\$ 333.10	\$ 0.06800	0.17	1	1,097 \$	194 \$	75 \$	269
		October	10	28,794	2,879.40	\$ 333.10	\$ 0.06800	0.17	0	1,200 \$	139 \$	82 \$	220
		November	9	29,196	3,244.00	\$ 333.10	\$ 0.06800	0.17	0	811 \$	83 \$	55 \$	138
		December	10	108,598	10,859.80	\$ 333.10	\$ 0.06800	0.17	0	905 \$	28 \$	62 \$	89
		Total	112	658,105					1	93,471 \$	3,997 \$	6,356 \$	10,353
Goodland	LVF	December	0	0									
		January	0	0	0.00	\$ 333.10	\$ 0.07	0.00	0	0 \$	- \$	- \$	-
		February	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		March	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		April	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		May	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		June	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		July	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		August	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		September	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		October	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		November	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		December	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		Total	0	0					0	0 \$	- \$	- \$	-

Billing Determinants								Customer Annualization					
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Customer Coefficient	Annualized Customer	Volumetric Adjustment	Customer Charge Adjustment	Volumetric Revenue Adjustment	Total Revenue Adjustment
Topeka	LVF	December	13	99,279									
		January	12	130,864	10,905.33	\$ 333.10	\$ 0.07	-0.08	-1	-12,270	\$ (319)	\$ (834)	\$ (1,154)
		February	12	131,342	10,945.17	\$ 333.10	\$ 0.06800	-0.08	-1	-11,095	\$ (291)	\$ (754)	\$ (1,046)
		March	12	118,290	9,857.50	\$ 333.10	\$ 0.06800	-0.08	-1	-7,885	\$ (264)	\$ (536)	\$ (800)
		April	14	222,812	15,915.14	\$ 333.10	\$ 0.06800	-0.08	-1	-12,615	\$ (236)	\$ (858)	\$ (1,094)
		May	14	55,031	3,930.79	\$ 333.10	\$ 0.06800	-0.08	-1	-1,777	\$ (208)	\$ (121)	\$ (329)
		June	14	40,826	2,916.14	\$ 333.10	\$ 0.06800	-0.08	-1	-1,098	\$ (180)	\$ (75)	\$ (255)
		July	13	31,948	2,457.54	\$ 333.10	\$ 0.06800	-0.08	0	-1,142	\$ (153)	\$ (78)	\$ (230)
		August	12	29,434	2,452.83	\$ 333.10	\$ 0.06800	-0.08	0	-922	\$ (125)	\$ (63)	\$ (188)
		September	12	39,019	3,251.58	\$ 333.10	\$ 0.06800	-0.08	0	-948	\$ (97)	\$ (64)	\$ (162)
		October	12	44,945	3,745.42	\$ 333.10	\$ 0.06800	-0.08	0	-678	\$ (69)	\$ (46)	\$ (115)
		November	12	73,245	6,103.75	\$ 333.10	\$ 0.06800	-0.08	0	-450	\$ (42)	\$ (31)	\$ (72)
		December	12	93,930	7,827.50	\$ 333.10	\$ 0.06800	-0.08	0	-447	\$ (14)	\$ (30)	\$ (44)
		Total		151	1,011,686					-1	-51,326	\$ (1,999)	\$ (3,490)
Wichita	LVF	December	16	277,027									
		January	15	310,462	20,697.47	\$ 333.10	\$ 0.07	-0.08	-1	-21,314	\$ (319)	\$ (1,449)	\$ (1,769)
		February	17	375,186	22,069.76	\$ 333.10	\$ 0.06800	-0.08	-1	-20,669	\$ (291)	\$ (1,406)	\$ (1,697)
		March	17	322,608	18,976.94	\$ 333.10	\$ 0.06800	-0.08	-1	-14,982	\$ (264)	\$ (1,019)	\$ (1,282)
		April	17	193,274	11,369.06	\$ 333.10	\$ 0.06800	-0.08	-1	-9,062	\$ (236)	\$ (616)	\$ (852)
		May	17	148,299	8,723.47	\$ 333.10	\$ 0.06800	-0.08	-1	-4,842	\$ (208)	\$ (329)	\$ (537)
		June	17	63,836	3,755.06	\$ 333.10	\$ 0.06800	-0.08	-1	-1,676	\$ (180)	\$ (114)	\$ (294)
		July	17	42,065	2,474.41	\$ 333.10	\$ 0.06800	-0.08	0	-1,148	\$ (153)	\$ (78)	\$ (231)
		August	18	43,528	2,418.22	\$ 333.10	\$ 0.06800	-0.08	0	-909	\$ (125)	\$ (62)	\$ (187)
		September	18	47,782	2,654.56	\$ 333.10	\$ 0.06800	-0.08	0	-774	\$ (97)	\$ (53)	\$ (150)
		October	18	58,185	3,232.50	\$ 333.10	\$ 0.06800	-0.08	0	-505	\$ (69)	\$ (34)	\$ (104)
		November	18	194,614	10,811.89	\$ 333.10	\$ 0.06800	-0.08	0	-962	\$ (42)	\$ (65)	\$ (107)
		December	19	249,206	13,116.11	\$ 333.10	\$ 0.06800	-0.08	0	-648	\$ (14)	\$ (44)	\$ (58)
		Total		208	2,049,045					-1	-77,491	\$ (1,999)	\$ (5,269)
								1	(34,955)	1,999	(2,377)	(378)	

Billing Determinants								Customer Annualization					
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Customer Coefficient	Annualized Customer	Volumetric Adjustment	Customer Charge Adjustment	Volumetric Revenue Adjustment	Total Revenue Adjustment
Concordia	LVI	December	0										
		January	0	0	0.00	\$ 333.10	\$ 0.07	0.00	0	0 \$	- \$	- \$	-
		February	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		March	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		April	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		May	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		June	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		July	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		August	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		September	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		October	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		November	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		December	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		Total	0	0					0	0 \$	- \$	- \$	-
Dodge City	LVI	December	8										
		January	9	127,908	14,212.00	\$ 333.10	\$ 0.07	0.25	3	40,860 \$	958 \$	2,778 \$	3,736
		February	10	221,333	22,133.30	\$ 333.10	\$ 0.06800	0.25	3	58,100 \$	874 \$	3,951 \$	4,825
		March	10	240,569	24,056.90	\$ 333.10	\$ 0.06800	0.25	2	57,135 \$	791 \$	3,885 \$	4,676
		April	17	247,706	14,570.94	\$ 333.10	\$ 0.06800	0.25	2	30,963 \$	708 \$	2,106 \$	2,813
		May	16	222,100	13,881.25	\$ 333.10	\$ 0.06800	0.25	2	26,027 \$	625 \$	1,770 \$	2,394
		June	12	550,926	45,910.50	\$ 333.10	\$ 0.06800	0.25	2	74,605 \$	541 \$	5,073 \$	5,614
		July	12	1,035,630	86,302.50	\$ 333.10	\$ 0.06800	0.25	1	118,666 \$	458 \$	8,069 \$	8,527
		August	11	1,317,942	119,812.91	\$ 333.10	\$ 0.06800	0.25	1	134,790 \$	375 \$	9,166 \$	9,540
		September	11	1,153,919	104,901.73	\$ 333.10	\$ 0.06800	0.25	1	91,789 \$	291 \$	6,242 \$	6,533
		October	11	336,977	30,634.27	\$ 333.10	\$ 0.06800	0.25	1	19,146 \$	208 \$	1,302 \$	1,510
		November	10	201,289	20,128.90	\$ 333.10	\$ 0.06800	0.25	0	7,548 \$	125 \$	513 \$	638
		December	11	318,749	28,977.18	\$ 333.10	\$ 0.06800	0.25	0	3,622 \$	42 \$	246 \$	288
		Total	140	5,975,048					2	663,251 \$	5,996 \$	45,101 \$	51,097
Goodland	LVI	December	0										
		January	0	0	0.00	\$ 333.10	\$ 0.07	0.00	0	0 \$	- \$	- \$	-
		February	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		March	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		April	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		May	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		June	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		July	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		August	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		September	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		October	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		November	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		December	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		Total	0	0					0	0 \$	- \$	- \$	-

Billing Determinants								Customer Annualization					
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Customer Coefficient	Annualized Customer	Volumetric Adjustment	Customer Charge Adjustment	Volumetric Revenue Adjustment	Total Revenue Adjustment
Topeka	LVI	December	1										
		January	1	303	303.00	\$ 333.10	\$ 0.07	0.00	0	0 \$	- \$	- \$	-
		February	1	359	359.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		March	1	422	422.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		April	1	142	142.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		May	1	34	34.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		June	1	17	17.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		July	1	210	210.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		August	1	-182	-182.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		September	1	63	63.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		October	1	119	119.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		November	1	208	208.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		December	1	181	181.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		Total	12	1,876					0	0 \$	- \$	- \$	-
Wichita	LVI	December	6										
		January	6	75,764	12,627.33	\$ 333.10	\$ 0.07	0.00	0	0 \$	- \$	- \$	-
		February	6	74,616	12,436.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		March	6	73,462	12,243.67	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		April	6	67,932	11,322.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		May	6	73,065	12,177.50	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		June	6	58,669	9,778.17	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		July	6	44,588	7,431.33	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		August	6	57,070	9,511.67	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		September	6	70,074	11,679.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		October	6	66,389	11,064.83	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		November	6	70,023	11,670.50	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		December	6	79,463	13,243.83	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		Total	72	811,115					0	0 \$	- \$	- \$	-
								2	663,251	5,996	45,101	51,097	

Billing Determinants								Customer Annualization					
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Customer Coefficient	Annualized Customer	Volumetric Adjustment	Customer Charge Adjustment	Volumetric Revenue Adjustment	Total Revenue Adjustment
Concordia	LVTS	December	0	0									
		January	0	0	0.00	\$ 333.10	\$ 0.07	0.00	0	0 \$	- \$	- \$	-
		February	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		March	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		April	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		May	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		June	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		July	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		August	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		September	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		October	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		November	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		December	0	0	0.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		Total	0	0					0	0 \$	- \$	- \$	-
Dodge City	LVTS	December	61	1,296,067									
		January	61	1,306,544	21418.75	\$ 333.10	\$ 0.07	-0.17	-2	-42,027 \$	(638) \$	(2,858) \$	(3,496)
		February	61	1,284,338	21054.72	\$ 333.10	\$ 0.06800	-0.17	-2	-37,366 \$	(583) \$	(2,541) \$	(3,124)
		March	61	1,244,672	20404.46	\$ 333.10	\$ 0.06800	-0.17	-2	-32,418 \$	(527) \$	(2,204) \$	(2,732)
		April	61	1,238,086	20296.49	\$ 333.10	\$ 0.06800	-0.17	-1	-29,069 \$	(472) \$	(1,977) \$	(2,449)
		May	62	1,409,203	22729.08	\$ 333.10	\$ 0.06800	-0.17	-1	-28,370 \$	(416) \$	(1,929) \$	(2,346)
		June	62	1,892,115	30517.98	\$ 333.10	\$ 0.06800	-0.17	-1	-33,114 \$	(361) \$	(2,252) \$	(2,613)
		July	61	1,740,965	28540.41	\$ 333.10	\$ 0.06800	-0.17	-1	-26,168 \$	(305) \$	(1,779) \$	(2,085)
		August	61	1,826,897	29949.13	\$ 333.10	\$ 0.06800	-0.17	-1	-22,466 \$	(250) \$	(1,528) \$	(1,778)
		September	61	1,668,429	27351.30	\$ 333.10	\$ 0.06800	-0.17	-1	-15,955 \$	(194) \$	(1,085) \$	(1,279)
		October	61	1,162,423	19056.11	\$ 333.10	\$ 0.06800	-0.17	0	-7,881 \$	(139) \$	(536) \$	(675)
		November	61	1,279,563	20976.44	\$ 333.10	\$ 0.06800	-0.17	0	-5,136 \$	(83) \$	(349) \$	(433)
		December	59	1,182,812	20047.66	\$ 333.10	\$ 0.06800	-0.17	0	-1,715 \$	(28) \$	(117) \$	(144)
		Total	732	17,236,047					-1	-281,687 \$	(3,997) \$	(19,155) \$	(23,152)
Goodland	LVTS	December	1	7,367									
		January	1	7,233	7233.00	\$ 333.10	\$ 0.07	0.00	0	0 \$	- \$	- \$	-
		February	1	7,903	7903.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		March	1	7,805	7805.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		April	1	5,833	5833.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		May	1	5,064	5064.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		June	1	4,174	4174.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		July	1	3,323	3323.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		August	1	3,414	3414.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		September	1	3,148	3148.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		October	1	3,206	3206.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		November	1	4,755	4755.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		December	1	5,940	5940.00	\$ 333.10	\$ 0.06800	0.00	0	0 \$	- \$	- \$	-
		Total	12	61,798					0	0 \$	- \$	- \$	-

Billing Determinants								Customer Annualization					
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Customer Coefficient	Annualized Customer	Volumetric Adjustment	Customer Charge Adjustment	Volumetric Revenue Adjustment	Total Revenue Adjustment
Topeka	LVTS	December	28	976,054									
		January	27	1,119,658	41468.81	\$ 333.10	\$ 0.07	-0.08	-1	-41,560 \$	(319) \$	(2,826) \$	(3,145)
		February	27	1,247,130	46190.00	\$ 333.10	\$ 0.06800	-0.08	-1	-41,934 \$	(291) \$	(2,852) \$	(3,143)
		March	27	1,112,401	41200.04	\$ 333.10	\$ 0.06800	-0.08	-1	-32,697 \$	(264) \$	(2,223) \$	(2,487)
		April	27	787,306	29159.48	\$ 333.10	\$ 0.06800	-0.08	-1	-21,996 \$	(236) \$	(1,496) \$	(1,732)
		May	26	656,371	25245.04	\$ 333.10	\$ 0.06800	-0.08	-1	-15,098 \$	(208) \$	(1,027) \$	(1,235)
		June	26	452,061	17386.96	\$ 333.10	\$ 0.06800	-0.08	-1	-8,936 \$	(180) \$	(608) \$	(788)
		July	26	418,370	16091.15	\$ 333.10	\$ 0.06800	-0.08	0	-7,390 \$	(153) \$	(503) \$	(655)
		August	27	412,121	15263.74	\$ 333.10	\$ 0.06800	-0.08	0	-5,726 \$	(125) \$	(389) \$	(514)
		September	27	445,133	16486.41	\$ 333.10	\$ 0.06800	-0.08	0	-4,809 \$	(97) \$	(327) \$	(424)
		October	27	476,482	17647.48	\$ 333.10	\$ 0.06800	-0.08	0	-3,574 \$	(69) \$	(243) \$	(312)
		November	27	724,870	26847.04	\$ 333.10	\$ 0.06800	-0.08	0	-3,043 \$	(42) \$	(207) \$	(249)
		December	27	811,612	30059.70	\$ 333.10	\$ 0.06800	-0.08	0	-1,373 \$	(14) \$	(93) \$	(107)
		Total	321	8,663,515					-1	-188,138 \$	(1,999) \$	(12,793) \$	(14,792)
Wichita	LVTS	December	43	1,557,253									
		January	43	1,751,214	40725.91	\$ 333.10	\$ 0.07	-0.08	-1	-40,508 \$	(319) \$	(2,755) \$	(3,074)
		February	43	1,870,739	43505.56	\$ 333.10	\$ 0.06800	-0.08	-1	-39,426 \$	(291) \$	(2,681) \$	(2,972)
		March	43	1,714,451	39870.95	\$ 333.10	\$ 0.06800	-0.08	-1	-31,523 \$	(264) \$	(2,144) \$	(2,407)
		April	43	1,413,224	32865.67	\$ 333.10	\$ 0.06800	-0.08	-1	-24,289 \$	(236) \$	(1,652) \$	(1,888)
		May	43	1,066,593	24804.49	\$ 333.10	\$ 0.06800	-0.08	-1	-14,892 \$	(208) \$	(1,013) \$	(1,221)
		June	43	815,719	18970.21	\$ 333.10	\$ 0.06800	-0.08	-1	-9,917 \$	(180) \$	(674) \$	(855)
		July	43	723,843	16833.56	\$ 333.10	\$ 0.06800	-0.08	0	-7,730 \$	(153) \$	(526) \$	(678)
		August	42	894,005	21285.83	\$ 333.10	\$ 0.06800	-0.08	0	-7,984 \$	(125) \$	(543) \$	(668)
		September	42	971,739	23136.64	\$ 333.10	\$ 0.06800	-0.08	0	-6,748 \$	(97) \$	(459) \$	(556)
		October	42	1,025,547	24417.79	\$ 333.10	\$ 0.06800	-0.08	0	-4,918 \$	(69) \$	(334) \$	(404)
		November	42	1,232,981	29356.69	\$ 333.10	\$ 0.06800	-0.08	0	-3,281 \$	(42) \$	(223) \$	(265)
		December	42	1,403,904	33426.29	\$ 333.10	\$ 0.06800	-0.08	0	-1,494 \$	(14) \$	(102) \$	(115)
		Total	511	14,883,959					-1	-192,710 \$	(1,999) \$	(13,104) \$	(15,103)
1,576 40,845,319								(2) (662,534) (7,994) (45,052) (53,047)					

Billing Determinants								Customer Annualization					
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Customer Coefficient	Annualized Customer	Volumetric Adjustment	Customer Charge Adjustment	Volumetric Revenue Adjustment	Total Revenue Adjustment
Concordia	RS-1	December	367										
		January	370	43,179	116.70	\$ 16.94	\$ 0.17	-0.08	-1	-124 \$	(16) \$	(21) \$	(37)
		February	371	49,469	133.34	\$ 16.94	\$ 0.16833	-0.08	-1	-123 \$	(15) \$	(21) \$	(36)
		March	370	41,904	113.25	\$ 16.94	\$ 0.16833	-0.08	-1	-98 \$	(13) \$	(16) \$	(30)
		April	366	25,419	69.45	\$ 16.94	\$ 0.16833	-0.08	-1	-57 \$	(12) \$	(10) \$	(22)
		May	366	16,905	46.19	\$ 16.94	\$ 0.16833	-0.08	-1	-29 \$	(11) \$	(5) \$	(15)
		June	362	7,832	21.64	\$ 16.94	\$ 0.16833	-0.08	-1	-11 \$	(9) \$	(2) \$	(11)
		July	363	5,084	14.01	\$ 16.94	\$ 0.16833	-0.08	0	-7 \$	(8) \$	(1) \$	(9)
		August	366	3,617	9.88	\$ 16.94	\$ 0.16833	-0.08	0	-4 \$	(6) \$	(1) \$	(7)
		September	365	4,145	11.36	\$ 16.94	\$ 0.16833	-0.08	0	-3 \$	(5) \$	(1) \$	(6)
		October	366	5,381	14.70	\$ 16.94	\$ 0.16833	-0.08	0	-3 \$	(4) \$	(1) \$	(4)
		November	365	15,491	42.44	\$ 16.94	\$ 0.16833	-0.08	0	-4 \$	(2) \$	(1) \$	(3)
		December	366	23,903	65.31	\$ 16.94	\$ 0.16833	-0.08	0	-3 \$	(1) \$	(1) \$	(1)
		Total	4,396	242,329					-1	-467 \$	(102) \$	(79) \$	(180)
Dodge City	RS-1	December	34,490										
		January	34,524	3,942,263	114.19	\$ 16.94	\$ 0.17	21.42	246	31,015 \$	4,172 \$	5,221 \$	9,393
		February	34,581	4,161,964	120.35	\$ 16.94	\$ 0.16833	21.42	225	28,395 \$	3,809 \$	4,780 \$	8,589
		March	34,666	3,380,943	97.53	\$ 16.94	\$ 0.16833	21.42	203	20,513 \$	3,447 \$	3,453 \$	6,900
		April	34,543	2,138,522	61.91	\$ 16.94	\$ 0.16833	21.42	182	11,933 \$	3,084 \$	2,009 \$	5,093
		May	34,413	1,271,716	36.95	\$ 16.94	\$ 0.16833	21.42	161	5,914 \$	2,721 \$	995 \$	3,716
		June	34,467	732,201	21.24	\$ 16.94	\$ 0.16833	21.42	139	3,087 \$	2,358 \$	520 \$	2,878
		July	34,505	545,386	15.81	\$ 16.94	\$ 0.16833	21.42	118	1,882 \$	1,995 \$	317 \$	2,312
		August	34,532	509,055	14.74	\$ 16.94	\$ 0.16833	21.42	96	1,431 \$	1,633 \$	241 \$	1,874
		September	34,477	577,513	16.75	\$ 16.94	\$ 0.16833	21.42	75	1,159 \$	1,270 \$	195 \$	1,465
		October	34,355	729,704	21.24	\$ 16.94	\$ 0.16833	21.42	54	791 \$	907 \$	133 \$	1,040
		November	34,616	2,006,966	57.98	\$ 16.94	\$ 0.16833	21.42	32	1,776 \$	544 \$	299 \$	843
		December	34,747	3,176,816	91.43	\$ 16.94	\$ 0.16833	21.42	11	1,118 \$	181 \$	188 \$	370
		Total	414,426	23,173,049					129	109,014 \$	26,121 \$	18,350 \$	44,472
Goodland	RS-1	December	2,325										
		January	2,319	300,845	129.73	\$ 16.94	\$ 0.17	0.33	4	558 \$	65 \$	94 \$	159
		February	2,336	316,629	135.54	\$ 16.94	\$ 0.16833	0.33	4	496 \$	59 \$	83 \$	143
		March	2,329	292,280	125.50	\$ 16.94	\$ 0.16833	0.33	3	404 \$	54 \$	68 \$	122
		April	2,324	191,392	82.35	\$ 16.94	\$ 0.16833	0.33	3	243 \$	48 \$	41 \$	89
		May	2,323	124,845	53.74	\$ 16.94	\$ 0.16833	0.33	3	126 \$	42 \$	21 \$	63
		June	2,319	62,750	27.06	\$ 16.94	\$ 0.16833	0.33	2	63 \$	37 \$	11 \$	47
		July	2,314	35,081	15.16	\$ 16.94	\$ 0.16833	0.33	2	27 \$	31 \$	5 \$	36
		August	2,312	32,321	13.98	\$ 16.94	\$ 0.16833	0.33	2	21 \$	25 \$	4 \$	29
		September	2,312	33,137	14.33	\$ 16.94	\$ 0.16833	0.33	1	16 \$	20 \$	3 \$	22
		October	2,312	55,413	23.97	\$ 16.94	\$ 0.16833	0.33	1	14 \$	14 \$	2 \$	16
		November	2,320	160,371	69.13	\$ 16.94	\$ 0.16833	0.33	1	29 \$	8 \$	5 \$	13
		December	2,329	224,882	96.56	\$ 16.94	\$ 0.16833	0.33	0	19 \$	3 \$	3 \$	6
		Total	27,849	1,829,946					2	2,015 \$	407 \$	339 \$	746

Billing Determinants								Customer Annualization						
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Customer Coefficient	Annualized Customer	Volumetric Adjustment	Customer Charge Adjustment	Volumetric Revenue Adjustment	Total Revenue Adjustment	
Topeka	RS-1	December	32,333											
		January	32,442	3,587,032	110.57	\$ 16.94	\$ 0.17	23.50	270	32,398	\$ 4,578	\$ 5,454	\$ 10,032	
		February	32,478	4,011,342	123.51	\$ 16.94	\$ 0.16833	23.50	247	32,183	\$ 4,180	\$ 5,417	\$ 9,597	
		March	32,498	3,157,478	97.16	\$ 16.94	\$ 0.16833	23.50	223	22,234	\$ 3,782	\$ 3,743	\$ 7,525	
		April	32,481	1,804,454	55.55	\$ 16.94	\$ 0.16833	23.50	200	12,348	\$ 3,384	\$ 2,079	\$ 5,462	
		May	32,432	1,116,021	34.41	\$ 16.94	\$ 0.16833	23.50	176	5,144	\$ 2,986	\$ 866	\$ 3,852	
		June	32,453	620,722	19.13	\$ 16.94	\$ 0.16833	23.50	153	2,394	\$ 2,588	\$ 403	\$ 2,991	
		July	32,496	424,988	13.08	\$ 16.94	\$ 0.16833	23.50	129	1,708	\$ 2,189	\$ 287	\$ 2,477	
		August	33,203	365,530	11.01	\$ 16.94	\$ 0.16833	23.50	106	1,166	\$ 1,791	\$ 196	\$ 1,988	
		September	32,487	383,399	11.80	\$ 16.94	\$ 0.16833	23.50	82	927	\$ 1,393	\$ 156	\$ 1,549	
		October	32,227	534,034	16.57	\$ 16.94	\$ 0.16833	23.50	59	702	\$ 995	\$ 118	\$ 1,113	
		November	32,422	1,570,285	48.43	\$ 16.94	\$ 0.16833	23.50	35	1,471	\$ 597	\$ 248	\$ 845	
		December	32,615	2,435,554	74.68	\$ 16.94	\$ 0.16833	23.50	12	1,023	\$ 199	\$ 172	\$ 371	
		Total	390,234	20,010,839					141	113,700	\$ 28,662	\$ 19,139	\$ 47,802	
Wichita	RS	December	33,018											
		January	33,080	3,845,011	116.23	\$ 16.94	\$ 0.17	23.50	270	33,500	\$ 4,578	\$ 5,639	\$ 10,217	
		February	33,197	4,167,582	125.54	\$ 16.94	\$ 0.16833	23.50	247	32,467	\$ 4,180	\$ 5,465	\$ 9,645	
		March	33,282	3,332,433	100.13	\$ 16.94	\$ 0.16833	23.50	223	22,650	\$ 3,782	\$ 3,813	\$ 7,594	
		April	33,237	1,945,058	58.52	\$ 16.94	\$ 0.16833	23.50	200	12,597	\$ 3,384	\$ 2,120	\$ 5,504	
		May	33,267	1,225,698	36.84	\$ 16.94	\$ 0.16833	23.50	176	5,693	\$ 2,986	\$ 958	\$ 3,944	
		June	33,376	711,709	21.32	\$ 16.94	\$ 0.16833	23.50	153	2,866	\$ 2,588	\$ 482	\$ 3,070	
		July	33,429	504,617	15.10	\$ 16.94	\$ 0.16833	23.50	129	1,967	\$ 2,189	\$ 331	\$ 2,521	
		August	33,722	461,895	13.70	\$ 16.94	\$ 0.16833	23.50	106	1,450	\$ 1,791	\$ 244	\$ 2,036	
		September	33,460	476,152	14.23	\$ 16.94	\$ 0.16833	23.50	82	1,099	\$ 1,393	\$ 185	\$ 1,578	
		October	33,519	627,204	18.71	\$ 16.94	\$ 0.16833	23.50	59	716	\$ 995	\$ 121	\$ 1,116	
		November	33,587	1,800,650	53.61	\$ 16.94	\$ 0.16833	23.50	35	1,551	\$ 597	\$ 261	\$ 858	
		December	33,708	2,789,859	82.77	\$ 16.94	\$ 0.16833	23.50	12	1,095	\$ 199	\$ 184	\$ 383	
		Total	400,864	21,887,868					141	117,650	\$ 28,662	\$ 19,804	\$ 48,466	
1,237,769 67,144,031								412 341,912 83,751 57,554 141,305						

Billing Determinants								Customer Annualization					
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Customer Coefficient	Annualized Customer	Volumetric Adjustment	Customer Charge Adjustment	Volumetric Revenue Adjustment	Total Revenue Adjustment
Concordia	SC-1	December	40	4,249									
		January	40	6,575	164.38	\$ 25.94	\$ 0.17	0.17	2	360 \$	50 \$	61 \$	110
		February	41	7,400	180.49	\$ 25.94	\$ 0.16833	0.17	2	342 \$	45 \$	58 \$	103
		March	42	6,581	156.69	\$ 25.94	\$ 0.16833	0.17	2	278 \$	41 \$	47 \$	88
		April	41	3,596	87.71	\$ 25.94	\$ 0.16833	0.17	1	151 \$	37 \$	25 \$	62
		May	41	2,069	50.46	\$ 25.94	\$ 0.16833	0.17	1	63 \$	32 \$	11 \$	43
		June	41	777	18.95	\$ 25.94	\$ 0.16833	0.17	1	18 \$	28 \$	3 \$	31
		July	41	500	12.20	\$ 25.94	\$ 0.16833	0.17	1	12 \$	24 \$	2 \$	26
		August	41	462	11.27	\$ 25.94	\$ 0.16833	0.17	1	9 \$	19 \$	1 \$	21
		September	42	444	10.57	\$ 25.94	\$ 0.16833	0.17	1	6 \$	15 \$	1 \$	16
		October	42	563	13.40	\$ 25.94	\$ 0.16833	0.17	0	5 \$	11 \$	1 \$	12
		November	42	1,963	46.74	\$ 25.94	\$ 0.16833	0.17	0	9 \$	6 \$	2 \$	8
		December	42	3,169	75.45	\$ 25.94	\$ 0.16833	0.17	0	9 \$	2 \$	2 \$	4
		Total	496	34,099					1	1,261 \$	311 \$	212 \$	524
Dodge City	SC-1	December	3,826	769,534									
		January	3,823	889,169	232.58	\$ 25.94	\$ 0.17	-5.33	-61	-15,991 \$	(1,591) \$	(2,692) \$	(4,283)
		February	3,766	913,447	242.55	\$ 25.94	\$ 0.16833	-5.33	-56	-14,406 \$	(1,453) \$	(2,425) \$	(3,878)
		March	3,801	750,110	197.35	\$ 25.94	\$ 0.16833	-5.33	-51	-10,353 \$	(1,314) \$	(1,743) \$	(3,057)
		April	3,793	395,324	104.22	\$ 25.94	\$ 0.16833	-5.33	-45	-5,158 \$	(1,176) \$	(868) \$	(2,044)
		May	3,781	190,909	50.49	\$ 25.94	\$ 0.16833	-5.33	-40	-1,993 \$	(1,038) \$	(335) \$	(1,373)
		June	3,729	82,357	22.09	\$ 25.94	\$ 0.16833	-5.33	-35	-847 \$	(899) \$	(143) \$	(1,042)
		July	3,752	63,886	17.03	\$ 25.94	\$ 0.16833	-5.33	-29	-511 \$	(761) \$	(86) \$	(847)
		August	3,731	60,369	16.18	\$ 25.94	\$ 0.16833	-5.33	-24	-395 \$	(623) \$	(67) \$	(689)
		September	3,737	62,083	16.61	\$ 25.94	\$ 0.16833	-5.33	-19	-266 \$	(484) \$	(45) \$	(529)
		October	3,698	79,283	21.44	\$ 25.94	\$ 0.16833	-5.33	-13	-103 \$	(346) \$	(17) \$	(363)
		November	3,710	345,255	93.06	\$ 25.94	\$ 0.16833	-5.33	-8	-661 \$	(208) \$	(111) \$	(319)
		December	3,762	642,391	170.76	\$ 25.94	\$ 0.16833	-5.33	-3	-538 \$	(69) \$	(90) \$	(160)
		Total	45,083	4,474,583					-32	-51,221 \$	(9,961) \$	(8,622) \$	(18,583)
Goodland	SC-1	December	323	74,984									
		January	323	85,617	265.07	\$ 25.94	\$ 0.17	-0.75	-9	-2,594 \$	(224) \$	(437) \$	(660)
		February	315	85,652	271.91	\$ 25.94	\$ 0.16833	-0.75	-8	-2,249 \$	(204) \$	(379) \$	(583)
		March	317	79,007	249.23	\$ 25.94	\$ 0.16833	-0.75	-7	-1,806 \$	(185) \$	(304) \$	(489)
		April	314	46,210	147.17	\$ 25.94	\$ 0.16833	-0.75	-6	-991 \$	(165) \$	(167) \$	(332)
		May	311	27,809	89.42	\$ 25.94	\$ 0.16833	-0.75	-6	-457 \$	(146) \$	(77) \$	(223)
		June	310	11,170	36.03	\$ 25.94	\$ 0.16833	-0.75	-5	-198 \$	(126) \$	(33) \$	(160)
		July	310	5,885	18.98	\$ 25.94	\$ 0.16833	-0.75	-4	-74 \$	(107) \$	(13) \$	(120)
		August	308	5,807	18.85	\$ 25.94	\$ 0.16833	-0.75	-3	-66 \$	(88) \$	(11) \$	(99)
		September	306	5,668	18.52	\$ 25.94	\$ 0.16833	-0.75	-3	-45 \$	(68) \$	(8) \$	(76)
		October	309	9,620	31.13	\$ 25.94	\$ 0.16833	-0.75	-2	-29 \$	(49) \$	(5) \$	(54)
		November	311	35,744	114.93	\$ 25.94	\$ 0.16833	-0.75	-1	-100 \$	(29) \$	(17) \$	(46)
		December	314	52,834	168.26	\$ 25.94	\$ 0.16833	-0.75	0	-75 \$	(10) \$	(13) \$	(22)
		Total	3,748	451,023					-5	-8,684 \$	(1,401) \$	(1,462) \$	(2,863)

Billing Determinants								Customer Annualization					
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Customer Coefficient	Annualized Customer	Volumetric Adjustment	Customer Charge Adjustment	Volumetric Revenue Adjustment	Total Revenue Adjustment
Topeka	SC-1	December	2,254	361,891									
		January	2,213	470,514	212.61	\$ 25.94	\$ 0.17	-8.92	-103	-25,079	\$ (2,660)	\$ (4,222)	\$ (6,881)
		February	2,227	525,499	235.97	\$ 25.94	\$ 0.16833	-8.92	-94	-24,318	\$ (2,429)	\$ (4,093)	\$ (6,522)
		March	2,226	406,619	182.67	\$ 25.94	\$ 0.16833	-8.92	-85	-16,177	\$ (2,197)	\$ (2,723)	\$ (4,920)
		April	2,188	195,916	89.54	\$ 25.94	\$ 0.16833	-8.92	-76	-8,420	\$ (1,966)	\$ (1,417)	\$ (3,383)
		May	2,181	105,895	48.55	\$ 25.94	\$ 0.16833	-8.92	-67	-2,048	\$ (1,735)	\$ (345)	\$ (2,079)
		June	2,175	49,847	22.92	\$ 25.94	\$ 0.16833	-8.92	-58	-641	\$ (1,503)	\$ (108)	\$ (1,611)
		July	2,182	35,065	16.07	\$ 25.94	\$ 0.16833	-8.92	-49	-811	\$ (1,272)	\$ (136)	\$ (1,409)
		August	2,154	32,102	14.90	\$ 25.94	\$ 0.16833	-8.92	-40	-601	\$ (1,041)	\$ (101)	\$ (1,142)
		September	2,130	34,057	15.99	\$ 25.94	\$ 0.16833	-8.92	-31	-443	\$ (810)	\$ (75)	\$ (884)
		October	2,115	46,735	22.10	\$ 25.94	\$ 0.16833	-8.92	-22	-140	\$ (578)	\$ (24)	\$ (602)
		November	2,136	163,655	76.62	\$ 25.94	\$ 0.16833	-8.92	-13	-716	\$ (347)	\$ (120)	\$ (467)
		December	2,147	274,900	128.04	\$ 25.94	\$ 0.16833	-8.92	-4	-761	\$ (116)	\$ (128)	\$ (244)
		Total	26,074	2,340,804					-54	-80,154	\$ (16,653)	\$ (13,492)	\$ (30,146)
Wichita	SC-1	December	2,891	534,053									
		January	2,893	641,410	221.71	\$ 25.94	\$ 0.17	-8.92	-103	-25,452	\$ (2,660)	\$ (4,284)	\$ (6,944)
		February	2,904	683,582	235.39	\$ 25.94	\$ 0.16833	-8.92	-94	-23,981	\$ (2,429)	\$ (4,037)	\$ (6,465)
		March	2,933	515,906	175.90	\$ 25.94	\$ 0.16833	-8.92	-85	-15,282	\$ (2,197)	\$ (2,572)	\$ (4,770)
		April	2,927	242,704	82.92	\$ 25.94	\$ 0.16833	-8.92	-76	-7,470	\$ (1,966)	\$ (1,257)	\$ (3,223)
		May	2,916	119,306	40.91	\$ 25.94	\$ 0.16833	-8.92	-67	-1,693	\$ (1,735)	\$ (285)	\$ (2,020)
		June	2,942	56,669	19.26	\$ 25.94	\$ 0.16833	-8.92	-58	-606	\$ (1,503)	\$ (102)	\$ (1,605)
		July	2,873	40,354	14.05	\$ 25.94	\$ 0.16833	-8.92	-49	-710	\$ (1,272)	\$ (120)	\$ (1,392)
		August	2,886	38,014	13.17	\$ 25.94	\$ 0.16833	-8.92	-40	-531	\$ (1,041)	\$ (89)	\$ (1,130)
		September	2,820	38,464	13.64	\$ 25.94	\$ 0.16833	-8.92	-31	-333	\$ (810)	\$ (56)	\$ (866)
		October	2,815	53,753	19.10	\$ 25.94	\$ 0.16833	-8.92	-22	72	\$ (578)	\$ 12	\$ (566)
		November	2,864	236,095	82.44	\$ 25.94	\$ 0.16833	-8.92	-13	-660	\$ (347)	\$ (111)	\$ (458)
		December	2,899	419,569	144.73	\$ 25.94	\$ 0.16833	-8.92	-4	-805	\$ (116)	\$ (135)	\$ (251)
		Total	34,672	3,085,826					-54	-77,451	\$ (16,653)	\$ (13,037)	\$ (29,691)
								(143)	(216,250)	(44,357)	(36,401)	(80,759)	

Billing Determinants								Customer Annualization					
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Customer Coefficient	Annualized Customer	Volumetric Adjustment	Customer Charge Adjustment	Volumetric Revenue Adjustment	Total Revenue Adjustment
Concordia	SCTS-A	December	1	387									
		January	1	563	563.00	\$ 25.94	\$ 0.17	0.00	0	0 \$	- \$	- \$	-
		February	1	925	925.00	\$ 25.94	\$ 0.16833	0.00	0	0 \$	- \$	- \$	-
		March	1	689	689.00	\$ 25.94	\$ 0.16833	0.00	0	0 \$	- \$	- \$	-
		April	1	259	259.00	\$ 25.94	\$ 0.16833	0.00	0	0 \$	- \$	- \$	-
		May	1	118	118.00	\$ 25.94	\$ 0.16833	0.00	0	0 \$	- \$	- \$	-
		June	1	28	28.00	\$ 25.94	\$ 0.16833	0.00	0	0 \$	- \$	- \$	-
		July	1	5	5.00	\$ 25.94	\$ 0.16833	0.00	0	0 \$	- \$	- \$	-
		August	1	4	4.00	\$ 25.94	\$ 0.16833	0.00	0	0 \$	- \$	- \$	-
		September	1	4	4.00	\$ 25.94	\$ 0.16833	0.00	0	0 \$	- \$	- \$	-
		October	1	13	13.00	\$ 25.94	\$ 0.16833	0.00	0	0 \$	- \$	- \$	-
		November	1	169	169.00	\$ 25.94	\$ 0.16833	0.00	0	0 \$	- \$	- \$	-
		December	1	230	230.00	\$ 25.94	\$ 0.16833	0.00	0	0 \$	- \$	- \$	-
		Total	12	3,007					0	0 \$	- \$	- \$	-
Dodge City	SCTS-A	December	74	21,817									
		January	74	31,947	431.72	\$ 25.94	\$ 0.17	-0.08	-1	-450 \$	(25) \$	(76) \$	(101)
		February	82	29,220	356.34	\$ 25.94	\$ 0.16833	-0.08	-1	-329 \$	(23) \$	(55) \$	(78)
		March	73	22,650	310.27	\$ 25.94	\$ 0.16833	-0.08	-1	-254 \$	(21) \$	(43) \$	(63)
		April	73	10,472	143.45	\$ 25.94	\$ 0.16833	-0.08	-1	-110 \$	(18) \$	(19) \$	(37)
		May	73	5,323	72.92	\$ 25.94	\$ 0.16833	-0.08	-1	-45 \$	(16) \$	(8) \$	(24)
		June	74	2,489	33.64	\$ 25.94	\$ 0.16833	-0.08	-1	-20 \$	(14) \$	(3) \$	(17)
		July	74	1,293	17.47	\$ 25.94	\$ 0.16833	-0.08	0	-8 \$	(12) \$	(1) \$	(13)
		August	73	1,216	16.66	\$ 25.94	\$ 0.16833	-0.08	0	-6 \$	(10) \$	(1) \$	(11)
		September	74	2,224	30.05	\$ 25.94	\$ 0.16833	-0.08	0	-8 \$	(8) \$	(1) \$	(9)
		October	74	3,469	46.88	\$ 25.94	\$ 0.16833	-0.08	0	-6 \$	(5) \$	(1) \$	(6)
		November	73	11,594	158.82	\$ 25.94	\$ 0.16833	-0.08	0	-18 \$	(3) \$	(3) \$	(6)
		December	73	19,242	263.59	\$ 25.94	\$ 0.16833	-0.08	0	-13 \$	(1) \$	(2) \$	(3)
		Total	890	141,139					-1	-1,267 \$	(156) \$	(213) \$	(369)
Goodland	SCTS-A	December	20	8,156									
		January	20	8,793	439.65	\$ 25.94	\$ 0.17	0.00	0	0 \$	- \$	- \$	-
		February	20	10,430	521.50	\$ 25.94	\$ 0.16833	0.00	0	0 \$	- \$	- \$	-
		March	20	10,658	532.90	\$ 25.94	\$ 0.16833	0.00	0	0 \$	- \$	- \$	-
		April	20	6,130	306.50	\$ 25.94	\$ 0.16833	0.00	0	0 \$	- \$	- \$	-
		May	20	4,794	239.70	\$ 25.94	\$ 0.16833	0.00	0	0 \$	- \$	- \$	-
		June	20	1,633	81.65	\$ 25.94	\$ 0.16833	0.00	0	0 \$	- \$	- \$	-
		July	20	575	28.75	\$ 25.94	\$ 0.16833	0.00	0	0 \$	- \$	- \$	-
		August	20	600	30.00	\$ 25.94	\$ 0.16833	0.00	0	0 \$	- \$	- \$	-
		September	20	565	28.25	\$ 25.94	\$ 0.16833	0.00	0	0 \$	- \$	- \$	-
		October	20	1,299	64.95	\$ 25.94	\$ 0.16833	0.00	0	0 \$	- \$	- \$	-
		November	20	4,512	225.60	\$ 25.94	\$ 0.16833	0.00	0	0 \$	- \$	- \$	-
		December	20	6,183	309.15	\$ 25.94	\$ 0.16833	0.00	0	0 \$	- \$	- \$	-
		Total	240	56,172					0	0 \$	- \$	- \$	-

Billing Determinants								Customer Annualization						
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Customer Coefficient	Annualized Customer	Volumetric Adjustment	Customer Charge Adjustment	Volumetric Revenue Adjustment	Total Revenue Adjustment	
Topeka	SCTS-A	December	77	33,619										
		January	46	48,036	1044.26	\$ 25.94	\$ 0.17	-2.75	-32	-38,008	\$ (820)	\$ (6,398)	\$ (7,218)	
		February	46	51,750	1125.00	\$ 25.94	\$ 0.16833	-2.75	-29	-36,167	\$ (749)	\$ (6,088)	\$ (6,833)	
		March	45	45,161	1003.58	\$ 25.94	\$ 0.16833	-2.75	-26	-26,961	\$ (678)	\$ (4,538)	\$ (5,216)	
		April	45	33,632	747.38	\$ 25.94	\$ 0.16833	-2.75	-23	-20,413	\$ (606)	\$ (3,436)	\$ (4,043)	
		May	45	25,332	562.93	\$ 25.94	\$ 0.16833	-2.75	-21	-9,772	\$ (535)	\$ (1,645)	\$ (2,180)	
		June	44	18,683	424.61	\$ 25.94	\$ 0.16833	-2.75	-18	-6,439	\$ (464)	\$ (1,084)	\$ (1,548)	
		July	44	15,859	360.43	\$ 25.94	\$ 0.16833	-2.75	-15	-5,489	\$ (392)	\$ (924)	\$ (1,316)	
		August	44	15,356	349.00	\$ 25.94	\$ 0.16833	-2.75	-12	-4,323	\$ (321)	\$ (728)	\$ (1,049)	
		September	44	15,454	351.23	\$ 25.94	\$ 0.16833	-2.75	-10	-3,328	\$ (250)	\$ (560)	\$ (810)	
		October	44	17,851	405.70	\$ 25.94	\$ 0.16833	-2.75	-7	-2,352	\$ (178)	\$ (396)	\$ (574)	
		November	44	25,477	579.02	\$ 25.94	\$ 0.16833	-2.75	-4	-1,769	\$ (107)	\$ (298)	\$ (405)	
		December	44	32,475	738.07	\$ 25.94	\$ 0.16833	-2.75	-1	-1,320	\$ (36)	\$ (222)	\$ (258)	
		Total	535	345,066						-17	-156,342	\$ (5,136)	\$ (26,317)	\$ (31,453)
		Wichita	SCTS-A	December	70	24,557								
January	70			29,231	417.59	\$ 25.94	\$ 0.17	-2.75	-32	-17,306	\$ (820)	\$ (2,913)	\$ (3,733)	
February	70			32,366	462.37	\$ 25.94	\$ 0.16833	-2.75	-29	-16,601	\$ (749)	\$ (2,794)	\$ (3,543)	
March	70			25,386	362.66	\$ 25.94	\$ 0.16833	-2.75	-26	-9,788	\$ (678)	\$ (1,648)	\$ (2,325)	
April	70			13,884	198.34	\$ 25.94	\$ 0.16833	-2.75	-23	-6,809	\$ (606)	\$ (1,146)	\$ (1,753)	
May	70			6,897	98.53	\$ 25.94	\$ 0.16833	-2.75	-21	-413	\$ (535)	\$ (70)	\$ (605)	
June	70			3,853	55.04	\$ 25.94	\$ 0.16833	-2.75	-18	-129	\$ (464)	\$ (22)	\$ (485)	
July	70			2,846	40.66	\$ 25.94	\$ 0.16833	-2.75	-15	-650	\$ (392)	\$ (109)	\$ (502)	
August	70			2,580	36.86	\$ 25.94	\$ 0.16833	-2.75	-12	-460	\$ (321)	\$ (77)	\$ (399)	
September	70			2,669	38.13	\$ 25.94	\$ 0.16833	-2.75	-10	-280	\$ (250)	\$ (47)	\$ (297)	
October	70			3,979	56.84	\$ 25.94	\$ 0.16833	-2.75	-7	253	\$ (178)	\$ 43	\$ (136)	
November	70			13,204	188.63	\$ 25.94	\$ 0.16833	-2.75	-4	46	\$ (107)	\$ 8	\$ (99)	
December	70			20,366	290.94	\$ 25.94	\$ 0.16833	-2.75	-1	-656	\$ (36)	\$ (110)	\$ (146)	
Total	840			157,261						-17	-52,793	\$ (5,136)	\$ (8,887)	\$ (14,023)
2,517 702,645								(34) (210,402) (10,428) (35,417) (45,845)						

Billing Determinants								Customer Annualization					
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Customer Coefficient	Annualized Customer	Volumetric Adjustment	Customer Charge Adjustment	Volumetric Revenue Adjustment	Total Revenue Adjustment
Concordia	SVF	December	1	315									
		January	1	458	458.00	\$ 52.97	\$ 0.14700	-0.08	-1	-461 \$	(51) \$	(68) \$	(119)
		February	1	529	529.00	\$ 52.97	\$ 0.14700	-0.08	-1	-476 \$	(46) \$	(70) \$	(116)
		March	1	474	474.00	\$ 52.97	\$ 0.14700	-0.08	-1	-390 \$	(42) \$	(57) \$	(99)
		April	1	330	330.00	\$ 52.97	\$ 0.14700	-0.08	-1	-247 \$	(38) \$	(36) \$	(74)
		May	1	231	231.00	\$ 52.97	\$ 0.14700	-0.08	-1	-144 \$	(33) \$	(21) \$	(54)
		June	1	113	113.00	\$ 52.97	\$ 0.14700	-0.08	-1	-60 \$	(29) \$	(9) \$	(38)
		July			0.00	\$ 52.97	\$ 0.14700	-0.08	0	0 \$	(24) \$	(0) \$	(24)
		August			0.00	\$ 52.97	\$ 0.14700	-0.08	0	0 \$	(20) \$	(0) \$	(20)
		September			0.00	\$ 52.97	\$ 0.14700	-0.08	0	0 \$	(15) \$	(0) \$	(15)
		October			0.00	\$ 52.97	\$ 0.14700	-0.08	0	0 \$	(11) \$	0 \$	(11)
		November			0.00	\$ 52.97	\$ 0.14700	-0.08	0	1 \$	(7) \$	0 \$	(6)
		December			0.00	\$ 52.97	\$ 0.14700	-0.08	0	-1 \$	(2) \$	(0) \$	(2)
		Total	6	2,135					-1	-1,779 \$	(318) \$	(261) \$	(579)
Dodge City	SVF	December	496	655,408									
		January	520	734,869	1,413.21	\$ 52.97	\$ 0.14700	5.00	58	89,829 \$	3,046 \$	13,205 \$	16,251
		February	558	830,437	1,488.24	\$ 52.97	\$ 0.14700	5.00	53	82,145 \$	2,781 \$	12,075 \$	14,856
		March	562	710,550	1,264.32	\$ 52.97	\$ 0.14700	5.00	48	61,932 \$	2,516 \$	9,104 \$	11,620
		April	561	439,838	784.02	\$ 52.97	\$ 0.14700	5.00	43	35,375 \$	2,251 \$	5,200 \$	7,451
		May	557	264,238	474.39	\$ 52.97	\$ 0.14700	5.00	38	17,692 \$	1,986 \$	2,601 \$	4,587
		June	557	162,744	292.18	\$ 52.97	\$ 0.14700	5.00	33	9,889 \$	1,722 \$	1,454 \$	3,175
		July	560	146,172	261.02	\$ 52.97	\$ 0.14700	5.00	28	7,237 \$	1,457 \$	1,064 \$	2,520
		August	560	142,870	255.13	\$ 52.97	\$ 0.14700	5.00	23	5,773 \$	1,192 \$	849 \$	2,040
		September	556	142,890	257.00	\$ 52.97	\$ 0.14700	5.00	18	4,242 \$	927 \$	624 \$	1,551
		October	555	189,013	340.56	\$ 52.97	\$ 0.14700	5.00	13	3,287 \$	662 \$	483 \$	1,145
		November	550	403,903	734.37	\$ 52.97	\$ 0.14700	5.00	8	5,176 \$	397 \$	761 \$	1,158
		December	556	610,117	1,097.33	\$ 52.97	\$ 0.14700	5.00	3	3,154 \$	132 \$	464 \$	596
		Total	6,652	4,777,641					30	325,729 \$	19,069 \$	47,882 \$	66,951
Goodland	SVF	December	39	46,522									
		January	39	50,570	1,296.67	\$ 52.97	\$ 0.14700	0.83	10	13,562 \$	508 \$	1,994 \$	2,501
		February	49	62,305	1,271.53	\$ 52.97	\$ 0.14700	0.83	9	11,507 \$	463 \$	1,692 \$	2,155
		March	49	58,366	1,191.14	\$ 52.97	\$ 0.14700	0.83	8	9,595 \$	419 \$	1,411 \$	1,830
		April	49	37,183	758.84	\$ 52.97	\$ 0.14700	0.83	7	5,498 \$	375 \$	808 \$	1,183
		May	49	26,106	532.78	\$ 52.97	\$ 0.14700	0.83	6	3,200 \$	331 \$	470 \$	802
		June	49	12,341	251.86	\$ 52.97	\$ 0.14700	0.83	5	1,436 \$	287 \$	211 \$	498
		July	49	7,409	151.20	\$ 52.97	\$ 0.14700	0.83	5	682 \$	243 \$	100 \$	343
		August	49	7,675	156.63	\$ 52.97	\$ 0.14700	0.83	4	595 \$	199 \$	87 \$	286
		September	49	6,883	140.47	\$ 52.97	\$ 0.14700	0.83	3	371 \$	154 \$	54 \$	209
		October	49	10,428	212.82	\$ 52.97	\$ 0.14700	0.83	2	293 \$	110 \$	43 \$	153
		November	49	29,231	596.55	\$ 52.97	\$ 0.14700	0.83	1	681 \$	66 \$	100 \$	166
		December	49	38,844	792.73	\$ 52.97	\$ 0.14700	0.83	0	376 \$	22 \$	55 \$	77
		Total	578	347,341					5	47,796 \$	3,178 \$	7,026 \$	10,204

Billing Determinants								Customer Annualization					
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Customer Coefficient	Annualized Customer	Volumetric Adjustment	Customer Charge Adjustment	Volumetric Revenue Adjustment	Total Revenue Adjustment
Topeka	SVF	December	319	385,730									
		January	325	485,124	1,492.69	\$ 52.97	\$ 0.14700	2.33	27	41,665	\$ 1,421	\$ 6,125	\$ 7,546
		February	326	550,582	1,688.90	\$ 52.97	\$ 0.14700	2.33	25	41,914	\$ 1,298	\$ 6,161	\$ 7,459
		March	326	463,260	1,421.04	\$ 52.97	\$ 0.14700	2.33	22	31,752	\$ 1,174	\$ 4,668	\$ 5,842
		April	324	253,819	783.39	\$ 52.97	\$ 0.14700	2.33	20	15,688	\$ 1,051	\$ 2,306	\$ 3,357
		May	323	156,837	485.56	\$ 52.97	\$ 0.14700	2.33	18	8,327	\$ 927	\$ 1,224	\$ 2,151
		June	321	113,624	353.97	\$ 52.97	\$ 0.14700	2.33	15	5,466	\$ 803	\$ 803	\$ 1,607
		July	323	97,874	303.02	\$ 52.97	\$ 0.14700	2.33	13	3,874	\$ 680	\$ 570	\$ 1,249
		August	324	89,458	276.10	\$ 52.97	\$ 0.14700	2.33	11	2,910	\$ 556	\$ 428	\$ 984
		September	323	100,371	310.75	\$ 52.97	\$ 0.14700	2.33	8	2,473	\$ 433	\$ 364	\$ 796
		October	322	127,830	396.99	\$ 52.97	\$ 0.14700	2.33	6	2,088	\$ 309	\$ 307	\$ 616
		November	322	233,540	725.28	\$ 52.97	\$ 0.14700	2.33	4	2,461	\$ 185	\$ 362	\$ 547
		December	325	332,367	1,022.67	\$ 52.97	\$ 0.14700	2.33	1	1,259	\$ 62	\$ 185	\$ 247
		Total	3,884	3,004,686					14	159,877	\$ 8,899	\$ 23,502	\$ 32,401
Wichita	SVF	December	433	616,095									
		January	449	730,056	1,625.96	\$ 52.97	\$ 0.14700	2.33	27	44,781	\$ 1,421	\$ 6,583	\$ 8,004
		February	463	810,010	1,749.48	\$ 52.97	\$ 0.14700	2.33	25	43,542	\$ 1,298	\$ 6,401	\$ 7,698
		March	466	630,473	1,352.95	\$ 52.97	\$ 0.14700	2.33	22	30,350	\$ 1,174	\$ 4,461	\$ 5,636
		April	463	350,039	756.02	\$ 52.97	\$ 0.14700	2.33	20	15,411	\$ 1,051	\$ 2,265	\$ 3,316
		May	464	210,752	454.21	\$ 52.97	\$ 0.14700	2.33	18	7,533	\$ 927	\$ 1,107	\$ 2,034
		June	466	143,303	307.52	\$ 52.97	\$ 0.14700	2.33	15	4,458	\$ 803	\$ 655	\$ 1,459
		July	465	125,731	270.39	\$ 52.97	\$ 0.14700	2.33	13	3,477	\$ 680	\$ 511	\$ 1,191
		August	463	122,278	264.10	\$ 52.97	\$ 0.14700	2.33	11	2,774	\$ 556	\$ 408	\$ 964
		September	463	121,111	261.58	\$ 52.97	\$ 0.14700	2.33	8	2,105	\$ 433	\$ 309	\$ 742
		October	462	159,907	346.12	\$ 52.97	\$ 0.14700	2.33	6	1,862	\$ 309	\$ 274	\$ 583
		November	461	379,727	823.70	\$ 52.97	\$ 0.14700	2.33	4	2,825	\$ 185	\$ 415	\$ 601
		December	461	549,027	1,190.95	\$ 52.97	\$ 0.14700	2.33	1	1,451	\$ 62	\$ 213	\$ 275
		Total	5,546	4,332,414					14	160,569	\$ 8,899	\$ 23,604	\$ 32,503
								63	692,192	39,728	101,752	141,480	

Billing Determinants								Customer Annualization					
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Customer Coefficient	Annualized Customer	Volumetric Adjustment	Customer Charge Adjustment	Volumetric Revenue Adjustment	Total Revenue Adjustment
Concordia	SVI	December	0	0									
		January	0	0	0.00	\$ 52.97	\$ 0.15	0.00	0	0 \$	- \$	- \$	-
		February	0	0	0.00	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		March	0	0	0.00	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		April	0	0	0.00	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		May	0	0	0.00	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		June	0	0	0.00	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		July	0	0	0.00	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		August	0	0	0.00	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		September	0	0	0.00	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		October	0	0	0.00	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		November	0	0	0.00	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		December	0	0	0.00	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		Total	0	0					0	0 \$	- \$	- \$	-
Dodge City	SVI	December	44	77,417									
		January	44	71,868	1,633.36	\$ 52.97	\$ 0.14700	0.17	2	3,416 \$	102 \$	502 \$	604
		February	43	61,908	1,439.72	\$ 52.97	\$ 0.14700	0.17	2	2,653 \$	93 \$	390 \$	483
		March	43	54,635	1,270.58	\$ 52.97	\$ 0.14700	0.17	2	2,074 \$	84 \$	305 \$	389
		April	45	34,031	756.24	\$ 52.97	\$ 0.14700	0.17	1	1,140 \$	75 \$	168 \$	243
		May	44	27,527	625.61	\$ 52.97	\$ 0.14700	0.17	1	779 \$	66 \$	114 \$	181
		June	44	11,255	255.80	\$ 52.97	\$ 0.14700	0.17	1	290 \$	57 \$	43 \$	100
		July	43	7,313	170.07	\$ 52.97	\$ 0.14700	0.17	1	158 \$	49 \$	23 \$	72
		August	45	10,506	233.47	\$ 52.97	\$ 0.14700	0.17	1	176 \$	40 \$	26 \$	66
		September	46	14,472	314.61	\$ 52.97	\$ 0.14700	0.17	1	175 \$	31 \$	26 \$	57
		October	46	31,297	680.37	\$ 52.97	\$ 0.14700	0.17	0	251 \$	22 \$	37 \$	59
		November	45	40,723	904.96	\$ 52.97	\$ 0.14700	0.17	0	215 \$	13 \$	32 \$	45
		December	46	59,543	1,294.41	\$ 52.97	\$ 0.14700	0.17	0	122 \$	4 \$	18 \$	22
		Total	534	425,078					1	11,449 \$	636 \$	1,683 \$	2,319
Goodland	SVI	December	5	2,423									
		January	5	0	0.00	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		February	5	0	0.00	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		March	5	0	0.00	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		April	5	0	0.00	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		May	5	0	0.00	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		June	5	0	0.00	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		July	5	0	0.00	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		August	5	0	0.00	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		September	5	0	0.00	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		October	5	5,130	1,026.00	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		November	5	34,448	6,889.60	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		December	5	3,579	715.80	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		Total	60	43,157					0	0 \$	- \$	- \$	-

Billing Determinants								Customer Annualization					
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Customer Coefficient	Annualized Customer	Volumetric Adjustment	Customer Charge Adjustment	Volumetric Revenue Adjustment	Total Revenue Adjustment
Topeka	SVI	December	2	201									
		January	2	310	155.00	\$ 52.97	\$ 0.14700	-0.08	-1	-179 \$	(51) \$	(26) \$	(77)
		February	1	696	696.00	\$ 52.97	\$ 0.14700	-0.08	-1	-630 \$	(46) \$	(93) \$	(139)
		March	1	351	351.00	\$ 52.97	\$ 0.14700	-0.08	-1	-284 \$	(42) \$	(42) \$	(84)
		April	1	7	7.00	\$ 52.97	\$ 0.14700	-0.08	-1	-20 \$	(38) \$	(3) \$	(40)
		May	1	1	1.00	\$ 52.97	\$ 0.14700	-0.08	-1	11 \$	(33) \$	2 \$	(32)
		June	1	0	0.00	\$ 52.97	\$ 0.14700	-0.08	-1	6 \$	(29) \$	1 \$	(28)
		July	1	0	0.00	\$ 52.97	\$ 0.14700	-0.08	0	0 \$	(24) \$	(0) \$	(24)
		August	1	0	0.00	\$ 52.97	\$ 0.14700	-0.08	0	0 \$	(20) \$	(0) \$	(20)
		September	1	0	0.00	\$ 52.97	\$ 0.14700	-0.08	0	1 \$	(15) \$	0 \$	(15)
		October	1	0	0.00	\$ 52.97	\$ 0.14700	-0.08	0	3 \$	(11) \$	0 \$	(11)
		November	1	17	17.00	\$ 52.97	\$ 0.14700	-0.08	0	1 \$	(7) \$	0 \$	(7)
		December	1	90	90.00	\$ 52.97	\$ 0.14700	-0.08	0	-6 \$	(2) \$	(1) \$	(3)
		Total		13	1,472					-1	-1,098 \$	(318) \$	(161) \$
Wichita	SVI	December	32										
		January	32	55,581	1,736.91	\$ 52.97	\$ 0.14700	-0.08	-1	-1,690 \$	(51) \$	(248) \$	(299)
		February	32	59,287	1,852.72	\$ 52.97	\$ 0.14700	-0.08	-1	-1,639 \$	(46) \$	(241) \$	(287)
		March	33	51,010	1,545.76	\$ 52.97	\$ 0.14700	-0.08	-1	-1,227 \$	(42) \$	(180) \$	(222)
		April	32	24,988	780.88	\$ 52.97	\$ 0.14700	-0.08	-1	-564 \$	(38) \$	(83) \$	(120)
		May	32	15,427	482.09	\$ 52.97	\$ 0.14700	-0.08	-1	-292 \$	(33) \$	(43) \$	(76)
		June	32	7,098	221.81	\$ 52.97	\$ 0.14700	-0.08	-1	-115 \$	(29) \$	(17) \$	(46)
		July	32	5,629	175.91	\$ 52.97	\$ 0.14700	-0.08	0	-81 \$	(24) \$	(12) \$	(36)
		August	32	5,592	174.75	\$ 52.97	\$ 0.14700	-0.08	0	-66 \$	(20) \$	(10) \$	(30)
		September	32	5,407	168.97	\$ 52.97	\$ 0.14700	-0.08	0	-48 \$	(15) \$	(7) \$	(23)
		October	32	6,842	213.81	\$ 52.97	\$ 0.14700	-0.08	0	-40 \$	(11) \$	(6) \$	(17)
		November	32	20,406	637.69	\$ 52.97	\$ 0.14700	-0.08	0	-76 \$	(7) \$	(11) \$	(18)
		December	32	30,523	953.84	\$ 52.97	\$ 0.14700	-0.08	0	-41 \$	(2) \$	(6) \$	(8)
		Total		385	287,790					-1	-5,879 \$	(318) \$	(864) \$

Billing Determinants								Customer Annualization					
Weather Station	Rate Class	12/2019-12/2020 Month	Customer Count	Usage	Average Usage	Basic Service	Commodity Rate	Customer Coefficient	Annualized Customer	Volumetric Adjustment	Customer Charge Adjustment	Volumetric Revenue Adjustment	Total Revenue Adjustment
Concordia	SVTS-A	December	0	0									
		January	0	0	0.00	\$ 52.97	\$ 0.15	0.00	0	0 \$	- \$	- \$	-
		February	0	0	0.00	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		March	0	0	0.00	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		April	0	0	0.00	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		May	0	0	0.00	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		June	0	0	0.00	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		July	0	0	0.00	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		August	0	0	0.00	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		September	0	0	0.00	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		October	0	0	0.00	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		November	0	0	0.00	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		December	0	0	0.00	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		Total	0	0					0	0 \$	- \$	- \$	-
Dodge City	SVTS-A	December	181	378,282									
		January	181	457,396	2527.05	\$ 52.97	\$ 0.15	-0.25	-3	-7,613 \$	(152) \$	(1,119) \$	(1,271)
		February	180	477,238	2651.32	\$ 52.97	\$ 0.14700	-0.25	-3	-7,145 \$	(139) \$	(1,050) \$	(1,189)
		March	181	427,475	2361.74	\$ 52.97	\$ 0.14700	-0.25	-2	-5,649 \$	(126) \$	(830) \$	(956)
		April	180	261,346	1451.92	\$ 52.97	\$ 0.14700	-0.25	-2	-3,198 \$	(113) \$	(470) \$	(583)
		May	179	164,214	917.40	\$ 52.97	\$ 0.14700	-0.25	-2	-1,705 \$	(99) \$	(251) \$	(350)
		June	180	94,221	523.45	\$ 52.97	\$ 0.14700	-0.25	-2	-870 \$	(86) \$	(128) \$	(143)
		July	181	62,714	346.49	\$ 52.97	\$ 0.14700	-0.25	-1	-479 \$	(73) \$	(70) \$	(214)
		August	181	61,434	339.41	\$ 52.97	\$ 0.14700	-0.25	-1	-383 \$	(60) \$	(56) \$	(116)
		September	178	69,110	388.26	\$ 52.97	\$ 0.14700	-0.25	-1	-340 \$	(46) \$	(50) \$	(96)
		October	178	101,545	570.48	\$ 52.97	\$ 0.14700	-0.25	-1	-336 \$	(33) \$	(49) \$	(82)
		November	177	219,989	1242.88	\$ 52.97	\$ 0.14700	-0.25	0	-428 \$	(20) \$	(63) \$	(83)
		December	178	319,333	1794.01	\$ 52.97	\$ 0.14700	-0.25	0	-240 \$	(7) \$	(35) \$	(42)
		Total	2,154	2,716,015					-2	-28,385 \$	(953) \$	(4,173) \$	(5,126)
Goodland	SVTS-A	December	20	28,101									
		January	20	28,293	1414.65	\$ 52.97	\$ 0.15	0.00	0	0 \$	- \$	- \$	-
		February	20	29,530	1476.50	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		March	20	33,547	1677.35	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		April	20	19,276	963.80	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		May	20	12,678	633.90	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		June	20	9,798	489.90	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		July	20	4,773	238.65	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		August	20	5,316	265.80	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		September	20	4,524	226.20	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		October	20	5,766	288.30	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		November	20	15,118	755.90	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		December	20	20,625	1031.25	\$ 52.97	\$ 0.14700	0.00	0	0 \$	- \$	- \$	-
		Total	240	189,244					0	0 \$	- \$	- \$	-

STATE OF KANSAS)
) ss.
COUNTY OF SHAWNEE)

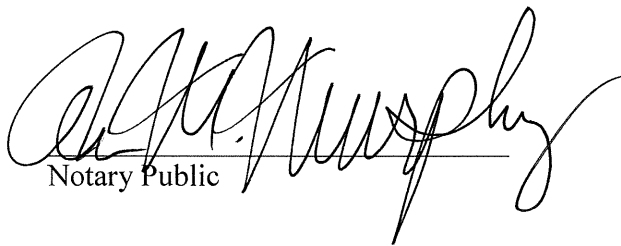
VERIFICATION

Lana Ellis, being duly sworn upon her oath deposes and states that she is Deputy Chief of Economics and Rates for the Utilities Division of the Kansas Corporation Commission of the State of Kansas, that she has read and is familiar with the foregoing *Direct Testimony*, and attests that the statements contained therein are true and correct to the best of her knowledge, information and belief.

/s/ Lana Ellis

Lana Ellis
Deputy Chief of Economics and Rates
State Corporation Commission of the
State of Kansas

Subscribed and sworn to before me this 8 day of September, 2021.



Notary Public

My Appointment Expires: 4/28/25



NOTARY PUBLIC - State of Kansas
ANN M. MURPHY
My Appt. Expires 4/28/25

CERTIFICATE OF SERVICE

21-BHCG-418-RTS

I, the undersigned, certify that a true and correct copy of the above and foregoing testimony was sent by electronic mail this 10th day of September, 2021, to the following:

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CERTIFICATE OF SERVICE

21-BHCG-418-RTS

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