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November 27, 2019

Authority Staff  
South Lake Tahoe Basin Waste Management Authority  
1901 Airport Road  
South Lake Tahoe, CA 96150

Subject: **2020 Interim Year Rate Analysis of South Tahoe Refuse Company**

Crowe LLP (Crowe) has completed its analysis of South Tahoe Refuse Company, Inc.'s (STR) 2020 Interim Year Rate Application (Application). The South Lake Tahoe Basin Waste Management Authority (JPA) contracted with Crowe to conduct an analysis of the Application and to provide recommendations for changes in refuse collection rates effective January 1, 2020. This letter report documents results of our review, and is organized as follows:

- A. Purpose of Analysis
- B. Summary
- C. Background of Analysis
- D. Scope of Analysis
- E. Results of Analysis.

There are four (4) attachments to this report.

- Attachment A – Recommended Residential Rate Structure
- Attachment B – 2020 Interim Year Rate Application
- Attachment C – 2020 Interim Year Worksheet
- Attachment D – Consumer Price Index Data.

## A. Purpose of Analysis

The purpose of the 2020 Interim Year Rate Analysis of STR (Analysis) is to assist the JPA with establishing solid waste collection rates. The analysis was conducted in accordance with the JPA's 2012 *Solid Waste Rate Setting Policies and Procedures Manual* (Manual).

The information in this Analysis is based on estimates, assumptions and other data developed by Crowe from information provided by STR, knowledge of and participation in other studies, data supplied by the JPA, and other sources deemed to be reliable.

In the course of preparing this Analysis, we have not conducted an audit, review, or compilation of any financial or supplemental data used in the accompanying Analysis. We have made certain projections of calculations based on projected data which may vary from actual results because events and circumstances frequently do not occur as expected and such variances may be material. We have no responsibility to update this Analysis for events or circumstances occurring after the date above.

Our procedures and work product are intended for the benefit and use of the JPA. This engagement was not planned or conducted in contemplation of reliance by any other party or with respect to any specific transaction and is not intended to benefit or influence any other party. Therefore, items of possible

interest to a third party may not be specifically addressed or matters may exist that could be assessed differently by a third party.

## B. Summary

Our analysis suggests support for a rate increase of 2.93 percent for the City of South Lake Tahoe and El Dorado County and 2.87 percent for Douglas County, effective January 1, 2020. Current and recommended residential rates, for selected service levels, are shown in **Table 1** below. The complete recommended residential rate structure is provided in **Attachment A** of this report.

**Table 1**  
**South Tahoe Refuse**  
**Residential Rates with a 2.93 Percent Rate Increase for the City of South Lake Tahoe and El Dorado County and a 2.87 Percent Rate Increase for Douglas County**  
**(Interim Year 2020)**

Service Level	Current Rate (Per Customer, Per Month)	Recommended Rate (Per Customer, Per Month, with the Recommended Increase)	Recommended Rate Increase (Per Customer, Per Month)
<b>City of South Lake Tahoe</b>			
Unlimited Service	\$29.79	\$30.66 <sup>1</sup>	\$0.87
<b>Douglas County</b>			
1, 32-gallon can	\$19.51	\$20.07	\$0.56
<b>El Dorado County</b>			
Unlimited Service	\$34.38	\$35.39	\$1.01

## C. Background of Analysis

The JPA is a joint powers authority comprised of the City of South Lake Tahoe, California; Douglas County, Nevada; and El Dorado County, California (Member Agencies). The JPA is responsible for overseeing regional cooperation regarding solid waste, and coordinating solid waste program planning and reporting for these Member Agencies.

STR is the franchise hauler for the three (3) jurisdictions. STR provides exclusive refuse collection, recycling, and transfer station operations to Member Agencies in accordance with separate franchise agreements.

JPA rate setting is guided by the JPA's 2012 *Solid Waste Rate Setting Policies and Procedures Manual* (Manual). The Manual allows STR to submit an interim year rate application for the rate year 2020. Our review was conducted consistent with Step 2 in Section 3 of the Manual.<sup>2</sup>

The JPA and STR followed the interim year process in Section 3 of the Manual for interim years 2013, 2014, 2016, 2017, and 2019 and the base year process for rate years 2015 and 2018. Previously approved rate changes were as follows:

- 2014 – 2.78 percent rate increase for City of South Lake Tahoe and El Dorado County; and 2.73 percent rate increase for Douglas County – interim year.

<sup>1</sup> Does not include \$0.90 City of South Lake Tahoe residential surcharge (total rates with surcharge are shown in Attachment A).

<sup>2</sup> The JPA allows for the franchise hauler to submit an interim year rate application in each of the "interim" two (2) years between "base" years, should the franchised hauler want to request an increase in rates.

- 2015 – 2.88 percent rate increase for City of South Lake Tahoe and El Dorado County; and 2.66 percent rate increase for Douglas County – base year.
- 2016 – No rate increases for City of South Lake Tahoe, El Dorado County and Douglas County – interim year.
- 2017 – 1.62 percent rate increase for City of South Lake Tahoe and El Dorado County; and 1.59 percent rate increase for Douglas County – interim year.
- 2018 – 8.81 percent rate increase for City of South Lake Tahoe; 6.81 percent rate increase for Douglas County; and 9.34 percent rate increase for El Dorado County – base year.
- 2019 – 3.11 percent rate increase for the City of South Lake Tahoe and El Dorado County; and 3.05 percent increase for Douglas County – interim year.

**Table 2**  
**South Tahoe Refuse**  
**Selected Residential Rates**  
**(2014 to 2019)**

Service Level	2014	2015	2016	2017	2018	2019
<b>City of South Lake Tahoe</b>						
Unlimited Service	\$25.40	\$26.13	\$26.13	\$26.55	\$28.89	\$29.79
<b>Douglas County</b>						
1, 32-gallon can	\$16.95	\$17.44	\$17.44	\$17.72	\$18.93	\$19.51
<b>El Dorado County</b>						
Unlimited Service	\$29.20	\$29.98	\$29.98	\$30.47	\$32.38	\$34.38

On August 20, 2019, STR submitted its Application to the JPA for rate year 2020. **Attachment B** includes a copy of the Application. The interim year application process requires STR to project one component of the rate, the projected change in landfill disposal costs. In accordance with the Manual, the JPA then determines the remaining portion of the rate change which is based on the applicable Consumer Price Index (CPI). As shown in Attachment B, STR projected that landfill disposal costs will increase by 1.33 percent in 2020.

We relied on STR internally prepared financial information and operational data for rate years 2019 (estimated) and 2020 (projected), and additional information and data Crowe requested of STR. This review does not constitute an audit of STR financial information.

## D. Scope of Analysis

Our scope of services included the following tasks:

- Identify applicable Consumer Price Index (U.S. Garbage and Trash, (CUUR0000SEHG02))
- Request additional data and clarification from STR
- Complete interim year rate change worksheet and determine new rates
- Prepare draft report
- Receive comments from the JPA and STR
- Prepare final report.

For this rate review and evaluation, we performed the following tasks:

- Assessed if the Application was mathematically accurate and logically consistent
- Verified that the Application complied with the terms and conditions of the Manual
- Assessed supporting data, worksheets, and documentation

- Obtained and reviewed support for actual 2019 landfill disposal tonnage and the assumptions used to project 2020 tonnage and tipping fees
- Prepared draft and final reports
- Participated in JPA and Member Agency preparation and meeting(s), if required.

Crowe submitted a data request to STR on October 21, 2019. STR provided timely responses to our data request. STR furnished the information requested.

## E. Results of Analysis

In its Application, STR projected increases in landfill disposal costs of 1.33 percent driven by a contractually obligated 3.00 percent increase in tipping fee rates at Lockwood (see letter from Lockwood included with Application) offset by a net decrease in disposal tonnage based on the following factors:

- Minor increase in municipal solid waste (MSW) and construction and demolition (C&D) tonnage
- Moderate decrease in alternative daily cover (ADC) tons.

For 2020, STR projects MSW tonnage to increase by 890 tons or 1.9 percent, C&D tonnage to increase by 520 tons or 9.1 percent; and ADC tonnage to decrease by 4,577 tons or 20.0 percent.

The applicable change in June 2018 to June 2019 U.S. Garbage and Trash CPI (index reference: CUUR0000SEHG02) for this interim year was 3.43 percent (as shown in **Attachment D**). The index changed from 465.041 to 480.984. The Manual calls for use of 85% of the index for non-landfill disposal costs (see line 9 of the worksheet in Attachment C). Note that this change in CPI is applied to the remaining 92 percent of STR costs (see reference on line 5 of the worksheet in Attachment C).

After obtaining additional tonnage and tipping fee data from STR, we analyzed the year over year change in Quarter 1 (July-Aug 2018 to Jul-Aug 2019) tipping fees for the two facilities used by STR (Lockwood Landfill and Carson City Landfill) and found evidence that the total tipping fees are increasing for the combined facility usage and disposal materials mix. We consequently projected a 1.31 percent increase in total tipping fees (see line 21 of the worksheet in Attachment C).

As a result of Crowe's review of the Application and based on the calculations provided in the interim year worksheet in Attachment C, Crowe recommends a 2020 interim year rate increase of 2.93 percent for the City of South Lake Tahoe and El Dorado County, and a 2.87 percent interim year rate increase for Douglas County.

\* \* \* \* \*

If you have any questions regarding this rate review, or any of the contents of this letter report, please do not hesitate to contact Erik Nylund at (415) 230-4963.

Very truly yours,

**Crowe LLP**



**Attachment A  
Recommended Residential Rate Structure**

Rate Schedule (per customer, per month)	Current Rate	Residential Surcharge (City only)	Current Rate with Surcharge	Rate Adjustment Applied to Current Rate	New Rate without Surcharge	New Rate with Surcharge
<b>City of South Lake Tahoe</b>						
2.1. Unlimited service	\$ 29.79	\$ 0.90	\$ 30.69	\$ 0.87	\$ 30.66	\$ 31.56
2.2. Mandated pickup per 32-gallon can/bag	\$ 6.36	\$ -	\$ 6.36	\$ 0.19	\$ 6.55	\$ 6.55
2.3. Mandated pickup per cubic yard	\$ 42.58	\$ -	\$ 42.58	\$ 1.25	\$ 43.83	\$ 43.83
2.4. Qualified senior rate	\$ 22.89	\$ 0.21	\$ 23.10	\$ 0.67	\$ 23.56	\$ 23.77
2.5. House service - 1 can	\$ 34.12	\$ 0.90	\$ 35.02	\$ 1.00	\$ 35.12	\$ 36.02
2.6. House service - 2 cans	\$ 38.46	\$ 0.90	\$ 39.36	\$ 1.13	\$ 39.59	\$ 40.49
2.7. House service - 3 cans	\$ 42.79	\$ 0.90	\$ 43.69	\$ 1.25	\$ 44.04	\$ 44.94
2.8. Residential - All other services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Douglas County</b>						
	<b>Current Rate</b>			<b>Rate Adjustment Applied to Current Rate</b>		<b>New Rate</b>
3.1. 1, 32-gallon can	\$ 19.51			\$ 0.56		\$ 20.07
3.2. 2, 32-gallon cans	\$ 37.54			\$ 1.08		\$ 38.62
3.3. 3, 32-gallon cans	\$ 57.25			\$ 1.64		\$ 58.89
3.4. 4, 32-gallon cans	\$ 75.31			\$ 2.16		\$ 77.47
3.5. One extra 32-gallon can (also the seasonal service rate)	\$ 4.89			\$ 0.14		\$ 5.03
3.6. On-call 32-gallon can billed monthly/arrears	\$ -			\$ -		\$ -
3.7. Per cubic yard	\$ 31.51			\$ 0.90		\$ 32.41
3.8. 1, 45-gallon can	\$ 23.65			\$ 0.68		\$ 24.33
3.9. 2, 45-gallon cans	\$ 45.47			\$ 1.30		\$ 46.77
3.10. 3, 45-gallon cans	\$ 69.28			\$ 1.99		\$ 71.27
3.11. One extra 45-gallon can (also the seasonal service rate)	\$ 5.96			\$ 0.17		\$ 6.13
3.12. On-call 45-gallon can billed monthly/arrears	\$ -			\$ -		\$ -
3.13. Residential - All other services	\$ -			\$ -		\$ -
<b>El Dorado County</b>						
4.1. Unlimited service	\$ 34.38			\$ 1.01		\$ 35.39
4.2. Mandated pickup per 32-gallon can/bag	\$ 7.20			\$ 0.21		\$ 7.41
4.3. Mandated pickup per cubic yard	\$ 41.22			\$ 1.21		\$ 42.43
4.4. Qualified senior rate	\$ 26.58			\$ 0.78		\$ 27.36
4.5. House service per can	\$ 4.35			\$ 0.13		\$ 4.48
4.6. Residential - All other services	\$ -			\$ -		\$ -



**Attachment B**  
**2020 Interim Year Rate Application**

Change in Landfill Disposal Costs			Lockwood	Carson City	Total
1.		Prior Year Landfill Tipping Fees Per Ton (rounded)	\$ 18.96	\$ 12.83	\$ 14.97
2.	<i>Multiplied by:</i>	Prior Year Landfill Tons	26,277.66	49,143.19	75,420.85
		Add Adjustment for Rounding	\$ -	\$ -	
3.	<i>Equals:</i>	Total Prior Year Landfill Disposal Costs	\$ 498,224.43	\$ 630,507.13	\$ 1,128,731.56
4.		Projected Interim Year Landfill Tipping Fees Per Ton	\$ 19.91	\$ 11.56	\$ 15.83
5.	<i>Multiplied by:</i>	Projected Interim Year Landfill Tons	36,947.89	35,307.79	72,255.48
		Add Adjustment for Rounding	-	-	
6.	<i>Equals:</i>	Total Projected Interim Year Landfill Disposal Costs	\$ 735,828.51	\$ 408,158.05	\$ 1,143,986.56
7.		Projected Change In Landfill Disposal Costs	47.7%	-35.3%	1.33%

Provide an explanation of any changes in landfill disposal costs (i.e., landfill tipping fees paid by the franchise hauler, landfill tonnage). Attach supporting documentation to this application as appropriate.

1.) Prior year Lockwood and Carson tipping fee per ton have been calculated using a weighted-average rate for MSW, C&D and ADC. See attached Lockwood tipping fee increase letter effective April 1, 2019. Also see attached tonnage detail schedule for more information.

2.) Projected interim year tipping fee per ton for Lockwood was calculated based on a minimum 3.00% increase consistent with section IV(b) of the Lockwood agreement. The projected interim year tipping fee per ton for Carson is calculated based on current contract rates in effect which are fixed and will not increase for the first five years of the contract.

3.) Disposal cost increase is the result of an increase in MSW and C&D tons, as well as a higher cost per ton disposal fee at the Lockwood Landfill as a result of the annual 3% tip fee increase under the contract. MSW and C&D tons are projected to increase approximately 890 tons and 521 tons, while ADC tons are projected to decrease approximately 4,576 tons as the result of a utility contractor transporting dirt directly to the landfill instead of bringing the material to the transfer station.

Enclosures:  
- FYE 2020 Tonnage Detail  
- Lockwood Tipping Fee Increase Letter

**Section III--Certification**

To the best of my knowledge, the data and information in this application is complete, accurate, and consistent with the instructions provided by the South Lake Tahoe Basin Waste Management Authority.

Name: Jeffery R. Tillman

Title: President

Signature:

Date:



SLT Authority Staff  
November 27, 2019

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**Attachment B**  
**2020 Interim Year Rate Application (continued)**

STR  
Landfill Tipping Fees and Tonnage

	ACTUAL				ACTUAL				ACTUAL			
	Lockwood Landfill (7/1/18 - 6/30/19)				Carson City Landfill (7/1/18 - 6/30/19)				TOTAL (7/1/18 - 6/30/19)			
	Tons	Tip Fee \$	Rate per Ton		Tons	Tip Fee \$	Rate per Ton		Tons	Tip Fee \$	Rate per Ton	
MSW	24,596.85	\$ 458,875.42	\$ 18.66		22,250.54	\$ 534,012.96	\$ 24.00		46,847.39	\$ 992,888.38	\$ 21.19	
C&D	-	\$ -	\$ -		4,012.13	\$ 96,291.12	\$ 24.00		4,012.13	\$ 96,291.12	\$ 24.00	
C&D as ADC	1,680.81	\$ 39,237.98	\$ 23.34		-	\$ -	\$ -		1,680.81	\$ 39,237.98	\$ 23.34	
Green Waste	-	\$ -	\$ -		-	\$ -	\$ -		-	\$ -	\$ -	
ADC	-	\$ -	\$ -		22,880.52	\$ -	\$ -		22,880.52	\$ -	\$ -	
<b>Total</b>	<b>26,277.66</b>	<b>\$ 498,113.40</b>	<b>\$ 18.96</b>		<b>49,143.19</b>	<b>\$ 630,304.08</b>	<b>\$ 12.83</b>		<b>75,420.85</b>	<b>\$ 1,128,417.48</b>	<b>\$ 14.96</b>	
									<b>Total tons excluding no-charge ADC</b>	<b>52,540.33</b>		
	PROJECTED				PROJECTED				PROJECTED			
	Lockwood Landfill (7/1/19 - 6/30/20)				Carson City Landfill (7/1/19 - 6/30/20)				TOTAL (7/1/19 - 6/30/20)			
	Tons	Tip Fee \$	Rate per Ton		Tons	Tip Fee \$	Rate per Ton		Tons	Tip Fee \$	Rate per Ton	
MSW	31,984.12	\$ 623,856.63	\$ 19.51		15,753.37	\$ 378,080.92	\$ 24.00		47,737.49	\$ 1,001,937.55	\$ 20.99	
C&D	-	\$ -	\$ -		1,250.00	\$ 30,000.00	\$ 24.00		1,250.00	\$ 30,000.00	\$ 24.00	
C&D as ADC	4,963.58	\$ 111,928.62	\$ 22.55		-	\$ -	\$ -		4,963.58	\$ 111,928.62	\$ 22.55	
Green Waste	-	\$ -	\$ -		-	\$ -	\$ -		-	\$ -	\$ -	
ADC	-	\$ -	\$ -		18,304.42	\$ -	\$ -		18,304.42	\$ -	\$ -	
<b>Total</b>	<b>36,947.69</b>	<b>\$ 735,785.25</b>	<b>\$ 19.91</b>		<b>35,307.79</b>	<b>\$ 408,080.92</b>	<b>\$ 11.56</b>		<b>72,255.48</b>	<b>\$ 1,143,866.17</b>	<b>\$ 15.83</b>	
									<b>Total tons excluding no-charge ADC</b>	<b>53,951.07</b>	<b>1,410.74</b>	<b>2.7%</b>
MSW									890.10		1.9%	
C&D									(2,762.13)			
C&D as ADC									3,282.77		9.1%	
Green Waste									-			
ADC									(4,576.10)		-20%	
									Increase (decrease)	(3,165.37)	\$ 15,448.69	
										-4.2%	1.4%	



Lockwood Regional Landfill  
2700 East Mustang Road  
Storey County, NV 89434  
(775) 343-7372 Telephone  
(775) 342-2328 Fax

March 4, 2019

Mr. Jeff Tillman  
General Manager  
South Tahoe Refuse, Inc.  
2140 Ruth Avenue  
South Lake Tahoe, CA 96150

**Subject: Increase to MSW Disposal Rate at Lockwood Regional Landfill**

Dear Mr. Tilman:

We have contacted the Bureau of Labor Statistics and obtained the percentage change in the Consumer Price Index-U.S. City Average-Garbage and Trash Collection Series ID CUUR0000SEHG02 for the annual period year 2018 vs year 2017. Per the Bureau of Labor Statistics, the annual percentage change in the Consumer Price Index increased 3.96% during this period.

Accordingly, pursuant to Section IV (b) of the agreement, the increase to disposal rates, which the company will put into effect as of April 1, 2019, will be 3.96%. Your rate will increase to \$19.36 per ton from the current rate of \$18.62 per ton.

Please call me at 775-343-7372 if you have any questions.

Sincerely,



Julio Sandoval  
Waste Management

cc: Dan Peterson  
Greg Martinelli  
Maria Davis  
Kentry Tan





**Attachment B**  
**2020 Interim Year Rate Application (continued)**

CPI-All Urban Consumers (Current Series) South Tahoe

Series Id: CUUR0000SEHG02  
 Not Seasonally Adjusted  
 Series Title: Garbage and trash collection in U.S. city average, all urban consumers, not seasonally adjusted  
 Area: U.S. city average  
 Item: Garbage and trash collection  
 Base Period: DECEMBER 1983=100

Year 2017	449.089
Year 2018	466.861
Difference	17.77
Pct Change	3.96%
Current Rate per Ton	\$18.62
4/1/19 Rate per Ton	\$19.36

Download:

[xls](#)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2009	371.828	372.503	373.241	375.392	375.599	376.582	377.494	377.879	378.285	379.56	379.208	379.248	376.402
2010	380.036	382.49	383.362	383.615	383.405	383.749	383.832	385.01	385.92	385.909	387.216	387.884	384.369
2011	389.727	391.854	391.855	392.754	395.477	395.329	395.723	396.605	397.028	397.106	398.91	398.72	395.091
2012	398.88	400.381	401.692	400.913	401.067	402.793	406.243	406.823	407.594	409.495	410.155	410.416	404.704
2013	411.126	411.805	412.305	413.675	414.511	414.802	416.505	417.76	418.357	419.687	421.427	422.237	416.183
2014	422.44	422.483	423.413	425.393	425.242	425.93	426.562	426.771	427.327	427.995	427.808	428.187	425.796
2015	427.734	429.248	429.235	429.807	431.234	430.813	431.229	432.967	433.843	434.829	436.428	436.996	432.030
2016	437.205	438.296	437.699	437.676	438.317	437.858	438.607	439.358	439.707	440.311	443.343	444.745	439.427
2017	446.266	447.699	446.987	447.129	447.272	448.046	448.328	448.717	449.008	452.196	453.82	453.596	449.089
2018	453.354	454.915	455.23	458.722	462.887	465.041	465.579	470.457	471.026	472.535	486.65	485.935	466.861
2019	475.687												

**Attachment C**  
**Interim Year Worksheet**

Section I--Base Year Costs			
<b>Base Year Operating Costs (Other Than Landfill Disposal)</b>			
1.		Total Allowable Operating Costs	\$ 14,912,886
2.	Plus:	Allowable Operating Profit	2,143,894
3.	Plus:	Total Pass Through Costs	1,144,198
4.	Minus:	Landfill Disposal Costs	1,510,900
5.	Equals:	Total Operating Costs (Other Than Landfill Disposal)	\$ 16,690,078 91.70%
<b>Base Year Landfill Disposal Costs</b>			
6.		Total Landfill Disposal Costs	\$ 1,510,900 8.30%
7.		Base Year Revenue Requirement	\$ 18,200,978 100.00%
Section II--Changes in Costs			
<b>Change in Operating Costs (Other Than Landfill Disposal)</b>			
8.		Projected Change in Consumer Price Index	3.43%
9.		Projected 85 Percent Change in Consumer Price Index	2.92%
<b>Change in Landfill Disposal Costs</b>			
10.		Prior Year Total Landfill Tipping Fees Per Ton	\$ 14.97
11.	Multiplied by:	Prior Year Total Landfill Tons	\$ 75,420.85
12.	Equals:	Total Prior Year Total Landfill Disposal Costs	\$ 1,129,050.12
13.		Projected Interim Year Total Landfill Tipping Fees Per Ton	\$ 15.83
14.	Multiplied by:	Projected Interim Year Total Landfill Tons	\$ 72,255.48
15.	Equals:	Total Projected Interim Year Total Landfill Disposal Costs	\$ 1,143,804.25
16.		Projected Change In Total Landfill Disposal Costs	1.31%
Section III--Calculation of Percent Change in Rates			
<b>Weighted Change in Operating Costs (Other Than Landfill Disposal)</b>			
17.		Operating Costs as % of Base Yr. Revenue Requirement	91.70%
18.	Multiplied by:	Projected 85 Percent Change in Consumer Price Index	2.92%
19.	Equals:	Weighted Change in Operating Costs	2.67%
<b>Weighted Change in Total Landfill Disposal Costs</b>			
20.		Total Landfill Disposal Costs as % of Base Yr. Revenue Requirement	8.30%
21.	Multiplied by:	Projected Change in Total Landfill Disposal Costs	1.31%
22.	Equals:	Weighted Change in Total Landfill Disposal Costs	0.11%
<b>Total Change</b>			
23.		Total Percent Change in Costs	2.78%
24.	Divided by:	Adjustment for Franchise Fee (100% -5%)	95.00%
25.	Equals:	Percent Change in Existing Rates (City of South Lake Tahoe and El Dorado County)	2.93%
26.		Total Percent Change in Costs	2.78%
27.	Divided by:	Adjustment for Franchise Fee (100% - 3%)	97.00%
28.	Equals:	Percent Change in Existing Rates (Douglas County)	2.87%

**Attachment D**  
**Consumer Price Index (CPI) Data**

**CPI for All Urban Consumers (CPI-U)**  
**Original Data Value**

**Series Id:** CUUR0000SEHG02,CUUS0000SEHG02  
**Not Seasonally**  
**Series Title:** Garbage and trash collection in U.S. city average, all  
**Area:** U.S. city average  
**Item:** Garbage and trash collection  
**Base Period:** DECEMBER 1983=100  
**Years:** 2009 to 2019

Jun-18	465.041
Jun-19	480.984
Change	15.94
% Change	3.43%

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2009	371.828	372.503	373.241	375.392	375.599	376.582	377.494	377.879	378.285	379.560	379.208	379.248
2010	380.036	382.490	383.362	383.615	383.405	383.749	383.832	385.010	385.920	385.909	387.216	387.884
2011	389.727	391.854	391.855	392.754	395.477	395.329	395.723	396.605	397.028	397.106	398.910	398.720
2012	398.880	400.381	401.692	400.913	401.067	402.793	406.243	406.823	407.594	409.495	410.155	410.416
2013	411.126	411.805	412.305	413.675	414.511	414.802	416.505	417.760	418.357	419.687	421.427	422.237
2014	422.440	422.483	423.413	425.393	425.242	425.930	426.562	426.771	427.327	427.995	427.808	428.187
2015	427.734	429.248	429.235	429.807	431.234	430.813	431.229	432.967	433.843	434.829	436.428	436.996
2016	437.205	438.296	437.699	437.676	438.317	437.858	438.607	439.358	439.707	440.311	443.343	444.745
2017	446.266	447.699	446.987	447.129	447.272	448.046	448.328	448.717	449.008	452.196	453.820	453.596
2018	453.354	454.915	455.230	458.722	462.887	465.041	465.579	470.457	471.026	472.535	486.650	485.935
2019	475.687	477.474	478.569	479.449	480.865	480.984	482.138	483.987	484.346			