



February 15, 2019

Jeff McClanahan
Director, Utilities
Kansas Corporation Commission
1500 SW Arrowhead Rd.
Topeka, Kansas 66604-4027

19-WSEE-327-TAR

RE: Transmission Delivery Charge

Dear Mr. McClanahan:

Westar Energy, Inc. and Kansas Gas and Electric Company both doing business as Westar Energy hereby file an updated Transmission Delivery Charge (TDC) tariff.

This filing is in accordance with K.S.A. 66-1237 which states that utilities “may seek to recover costs associated with transmission of electric power, in a manner consistent with the determination of transmission related costs from an order of a regulatory authority having legal jurisdiction, through a separate transmission delivery charge included in customers’ bills.”

Enclosed is an original and red-line copy of the proposed TDC tariff.

Westar would like to implement the new TDC within 30 business days as outlined in K.S.A. 66-1237. The date of implementation would be bill cycle 1 of April which is April 1, 2019.

Westar is aware that this TDC update filing results in shifting of the allocation of the revenue requirement among the customer classes, as a result of the application of the new 12 CP allocation factors agreed to and approved in the Stipulation and Agreement in Docket 18-WSEE-328-RTS. Westar has reached out to Staff to suggest a review of those impacts and discussing whether any changes should be made to update the TDC tariff, including a review of the method for allocation of costs under the tariff and the adjustment factor mechanism. Westar’s desire is to engage in discussions with Staff and other interested parties as part of a determination whether any changes should be made. If Westar believes changes should be made, it will submit an application for approval of those revisions to the tariff at that time.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ronald A. Klote', written over a horizontal line.

Ronald A. Klote
Director Regulatory Affairs

Enc.

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THE STATE CORPORATION COMMISSION OF KANSAS

WESTAR ENERGY, INC & KANSAS GAS & ELECTRIC COMPANY, d.b.a. WESTAR ENERGY

(Name of Issuing Utility)

WESTAR RATE AREA

(Territory to which schedule is applicable)
2018

SCHEDULE _____ TDC

Replacing Schedule _____ TDC _____ Sheet 1

which was filed March 13, 2018 October 23,

No supplement or separate understanding
shall modify the tariff as shown hereon.

Sheet 1 of 6 Sheets

TRANSMISSION DELIVERY CHARGE

APPLICABLE

To all bills rendered by Company for utility service, provided the tariff under which such bills are rendered permits recovery of cost related to Company's transmission system.

BASIS OF CHARGE

Company shall collect from applicable customers a Transmission Delivery Charge (TDC) based on its annual transmission revenue requirement (ATRR) for costs to be recovered under the following schedules of the Open Access Transmission Tariff for Service Offered by the Southwest Power Pool (SPP) for service to Company's retail KCC-Jurisdictional customers:

- Schedule 1A – Tariff Administration Service;
- Schedule 9 – Network Integration Transmission Service;
- Schedule 10 – Wholesale Distribution Service;
- Schedule 11 – Base Plan Charge;
- Schedule 12 – FERC Assessment Charge; and
- Other cost associated with Schedule 1 fees for transmission service provided on foreign wires.

The cost to be recovered under Schedule 9 (Network Integration Transmission Service) shall exclude the revenue requirement for all Company-owned transmission facilities classified by SPP as Base Plan Upgrades. Company shall provide periodic reports to the Commission of its collections, including a calculation of the total collected under this rate schedule.

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Month Day Year

Effective April 1 2019
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By _____
Darrin Ives, Vice President

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SCHEDULE _____ TDC _____

(Name of Issuing Utility)

Replacing Schedule _____ TDC _____, Sheet _____ 2 _____

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Sheet 2 of 6 Sheets

TRANSMISSION DELIVERY CHARGE**METHOD OF BILLING**

The ATRR shall be collected by applying a TDC Unit Charge, developed for each rate schedule permitting such cost recovery, to each applicable customer's bill. The TDC Unit Charge shall be implemented using one or more of the following billing methods:

1. A dollar per kilowatt (kW) charge determined by dividing a portion of the cost of transmission service allocated to a rate schedule by the annual applicable kW sales for that rate schedule; and/or
2. A cents per kilowatt hour (kWh) charge determined by dividing a portion of the cost of transmission service allocated to a rate schedule by the annual applicable kWh sales for that rate schedule.

The TDC Unit Charges included on the following sheets are designed to recover the retail transmission revenue requirement. The Company shall file to adjust TDC Unit Charges to reflect and track changes in FERC-approved rates for charges included in the ATRR according to the terms of this rate schedule.

The allocation of the ATRR to the respective rate schedules is based on the 12 coincident-peak (12 CP) allocation method. Specifically, the basis for allocating the ATRR to each rate schedule is the ratio of the rate schedule's average monthly system peak demand during the Company's monthly peak-hour demand to the average total monthly system peak-hour demand. The rate schedule class allocator is based on the twelve (12) months of the test year ended June 30, 2017 ~~September 30, 2014~~. The Company shall adjust TDC Unit Charges for each rate schedule by applying the Adjustment Factor described by the terms of this tariff. However, the Company shall reset the TDC Unit Charges by reallocating costs using this 12 CP method based on current test-year load research each time it files a retail rate proceeding, and at a minimum, once every five years, to limit cost shifting among retail classes.

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Replacing Schedule _____ TDC _____ Sheet _____ 3 _____

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Sheet 3 of 6 Sheets

TRANSMISSION DELIVERY CHARGE**ADJUSTMENT TO TDC UNIT CHARGES**

The TDC Unit Charges included on the following sheets shall be adjusted as follows:

$$AF = \left[\frac{(ATTR_2 \times LRS_2)}{(ATTR_1 \times LRS_1)} \right] \times \left(\frac{y_1}{y_2} \right)$$

Where:

AF = Adjustment Factor,

ATTR₁ = ATTR for the Company combined in Year 1,ATTR₂ = ATTR for the Company combined in Year 2,LRS₁ = Load Ratio Share (LRS) of the aggregated retail transmission
customers for the Company combined in Year 1,LRS₂ = LRS of the aggregated retail transmission customers for the Company
combined in Year 2,y₁ = Total retail sales volume in kWh for the Company combined in Year 1, andy₂ = Total retail sales volume in kWh for the Company combined in Year 2.

$$TDC_2(x) = TDC_1(x) \times AF$$

Where:

TDC₁(x) = TDC Unit Charge for Retail Class x in Year 1,TDC₂(x) = TDC Unit Charge for Retail Class x in Year 2, and

AF = Adjustment Factor as defined above.

Company shall file to update its TDC Unit Charges at least annually to become effective with
billing cycle 1 of July. ~~Company may elect to file for a change in the TDC Unit Charges more~~Issued _____
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Replacing Schedule _____ TDC _____ Sheet _____ 4 _____

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Sheet 4 of 6 Sheets

TRANSMISSION DELIVERY CHARGE

frequently than once per year. All proposed TDC Unit Charges shall be filed with the KCC no later than 30 business days before the effective date of the proposed charges.

TDC UNIT CHARGES

The TDC Unit Charges in the following table shall be applied to a customer's demand, energy or bill of each rate schedule as indicated. The amount determined by applying the TDC Unit Charge shall become part of the total bill for electric service furnished and will be itemized separately on customer's bill.

<u>Rate Schedule</u>	<u>\$ per kW</u>	<u>\$ per kWh</u>
Special Contracts		\$0.008 887005
Dedicated Off-Peak Service		\$0.01 38760540
Generation Substitution Service		\$0.01 38760540
Large General Service	\$ 4.4179803.8170 52	
Industrial and Large Power Service	\$ 5.4263133.8170 52	
Interruptible Contract Service	\$ 3.627420	\$0.00 6518
Large Tire Manufacturing (per KVa)	\$ 5.0173143.9613 62	
Medium General Service	\$ 4.5496323.1950 06	
Off-Peak Service		\$0.0 1387610540

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Replacing Schedule _____ TDC _____ Sheet 5which was filed March 13, 2018 October 23,No supplement or separate understanding
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Sheet 5 of 6 Sheets

TRANSMISSION DELIVERY CHARGEPilot LED Street Lighting \$0.00 11797494Security Area Lighting \$0.00 11797494Restricted Institution Time of Day Service \$0.0133 0783Rate Schedule (Cont) \$ per kW \$ per kWhResidential Service \$0.01 49536714Residential Service – Distributed Generation \$0.01 31706714Restricted Educational Institution Service \$0.0 1677508270Restricted Service to Schools \$0.0 1677508270Restricted Total Electric – School and Church Service \$0.0 1677508270Short-Term Service \$0.01 38760540Small General Service \$0.01 38760540Small General Service – Church Option \$0.01 38760540Standard Educational Service \$0.0 1677508270Street Lighting \$0.00 11797494Time of Use – Pilot \$0.01 49536714Traffic Signal Service \$0.00 11797494Issued _____
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Sheet 6 of 6 Sheets

TRANSMISSION DELIVERY CHARGE

DEFINITIONS AND CONDITIONS

Company for the purposes of this rate schedule or rider is defined as Westar Energy, Inc. and Kansas Gas and Electric Company.

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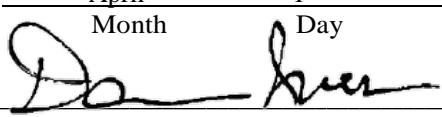
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<u>Rate Schedule</u>	<u>\$ per kW</u>	<u>\$ per kWh</u>
Special Contracts		\$0.008887
Dedicated Off-Peak Service		\$0.013876
Generation Substitution Service		\$0.013876
Large General Service	\$4.417980	
Industrial and Large Power Service	\$5.426313	
Interruptible Contract Service	\$3.627420	
Large Tire Manufacturing (per KV _a)	\$5.017314	
Medium General Service	\$4.549632	
Off-Peak Service		\$0.013876
Pilot LED Street Lighting		\$0.001179
Security Area Lighting		\$0.001179
Restricted Institution Time of Day Service		\$0.013307

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TRANSMISSION DELIVERY CHARGE

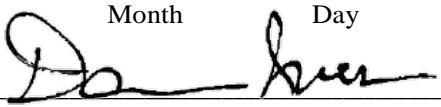
<u>Rate Schedule (Cont)</u>	<u>\$ per kW</u>	<u>\$ per kWh</u>
Residential Service		\$0.014953
Residential Service – Distributed Generation		\$0.013170
Restricted Educational Institution Service		\$0.016775
Restricted Service to Schools		\$0.016775
Restricted Total Electric – School and Church Service		\$0.016775
Short-Term Service		\$0.013876
Small General Service		\$0.013876
Small General Service – Church Option		\$0.013876
Standard Educational Service		\$0.016775
Street Lighting		\$0.001179
Time of Use – Pilot		\$0.014953
Traffic Signal Service		\$0.001179

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Amount of Westar Zonal Revenue Requirements
SPP Tariff
2019 TDC Calculation

Line#	SPP Rates Effective 1/1/2019	Annual Rev Req	SPP Tariff Schedule
1	Westar Zonal ATRR	\$ 163,594,981	Schedule 9 (Notes 1, 6, 12)
2	Westar BPF Zonal ATRR: NTC prior to June 19, 2010	\$ 23,729,567	Schedule 11 (Notes 2, 7, 12)
3	Westar BPF Zonal ATRR: NTC on or after June 19, 2010	\$ 33,695,057	Schedule 11 (Notes 2, 8, 12)
4	Westar ATRR Reallocated to Balanced Portfolio Region-wide ATRR	\$ (5,061,469)	Schedule 11 (Note 9, 12)
5	Base Plan Zonal ATRR to pay Upgrade Sponsors (Z2)	\$ 964,197	Schedule 11 (Note 14, 12)
6	Region-wide Allocation to Westar Zone	\$ 64,515,793	Schedule 11 (Note 4, 12,13)
7	Total ATRR for Westar Zone	\$ 281,438,127	
8	Retail Load Ratio Share (2018-Note 5)	82.95670402%	(Tab: Load Ratio Share)(Note 5)
9	Westar Retail SPP Network Service Costs	\$ 233,471,794	(line 6 * line 7)
Actual 2018 SPP Charges for Retail Load, excluding Sch 9 & 11			
		Total Dollars	Service Type
10	SPP Administrative Fee	\$ 12,579,226	Schedule 1A (Note 3)
11	Facility Charges on Westar System (WDSC)	\$ 175,443	Schedule 10 (Note 3)
12	FERC Assessment Fees	\$ 1,536,248	Schedule 12 (Note 3)
13	Westar Retail Load on Foreign Wires (all costs)	\$ 35,230	Note 10
14	SPP Direct Assigned Transmission Customer Upgrades Costs	\$ 404,557	Note 11
15	Total	\$ 14,730,703	Sum (lines 9 - 13)
16	Total Annual Transmission Cost	\$ 248,202,497	(line 8 + line 14)
Comparison Current Year to Proposed Year			
17	Current Level of TDC	\$ 255,900,262	(Prev. Yrs. Retail Trans. Srvs.)
18	Change in TDC	\$ (7,697,765)	(line 15 - line 16)

Notes:

1	Zonal Annual Transmission Revenue Requirements (ATRR) posted per FERC ER12-140 and latest RRR file.
2	BPF (Base Plan Funded) Annual Transmission Revenue Requirements (ATRR) from SPP OATT, Attachment H (Westar Energy Zone).
3	Annual Charges in YE 2018 for Retail. (Schedule 1a-12 worksheet and Foreign Wires Retail - Actual SPP Billing)
4	Westar Zonal Allocation of SPP OATT Attachment H Table 2-A and 2-B, see calculation on "Region-Wide Allocation" tab.
5	See "Load Ratio Share" tab.
6	Data from SPP OATT Attachment H, Table 1, Column (3)
7	Data from SPP OATT Attachment H, Table 1, Column (4)
8	Data from SPP OATT Attachment H, Table 1, Column (5)
9	Data from SPP OATT Attachment H, Table 1, Column (6). This value is a reduction to Westar Zonal and became part of Region-wide Allocation to Westar Zone.
10	Includes all charges to serve load on Non-Westar (Foreign) Wires. (i.e. Morganville)
11	SPP Direct Assigned Transmission fees for Customer Updates (i.e. Meridian Way and Flat Ridge).
12	SPP Revenue Requirements and Rates Posted "RRR" file labeled: rrr_for_billis_2019-01-01_revenue_requirements_and_rates_1-24-19.xlsx. Latest 20190101 "RRR" version posted on SPP.org.
13	This value represents the amount SPP reallocations from Zonal ATRR to Region-wide ATRR.
14	Data from SPP OATT Attachment H, Table 1, Column (7)

Calculation of the amount of the Region-wide SPP ATRR allocated to the Westar Zone

Line#	Table 2-A	Annual Rev Req	SPP Tariff Schedule/Source
1	Total Regional Rev Req (2-A)	\$ 419,733,392	SPP "RRR" file - Attachment H, Table 2A Row 8
2	Westar Zonal Load	4,186.68	Westar Zonal Transmission System Peak Load, "Westar Zone", SPP Source
3	Total SPP Load (2-A)	37,914.01	SPP Regional Transmission System Peak, "Total Region Zones 1 - 18", SPP Source
4	% of Westar Load to SPP (2-A)	11.043%	(Line 2 / Line 3)
5	Westar Alloc of Region Costs (2-A)	\$ 46,351,158	(Line 1 * Line 4)
Line#	Table 2-B	Annual Rev Req	SPP Tariff Schedule/Source
6	Total Regional Rev Req (2-B)	\$ 180,383,669	SPP "RRR" file - Attachment H, Table 2B Row 8
7	Westar Zonal Load	4,186.68	Westar Zonal Transmission System Peak Load, "Westar Zone", SPP Source
8	Total SPP Load (2-B)	41,575.64	SPP Regional Transmission System Peak, "Total Region Zones 1 - 19 w/o FSE", SPP Source
9	% of Westar Load to SPP (2-B)	10.070%	(Line 7 / Line 8)
10	Westar Alloc of Region Costs (2-B)	\$ 18,164,635	(Line 6 * Line 9)
11	TOTAL Westar Alloc of Region Costs	\$ 64,515,793	(Total lines 5 + 10)

Notes:
(a)

Transmission Network Load Adjustments Section

Energy Accounting Sourced Transmission Peak Load Before Network Load Adjustments			Firm Schedules (a)	Firm Contract Reservations (b)	Non-Firm Wholesale Load (c)	Non-WR NITS Generation (d)	Non-Balancing Area Load (e)	Adjusted Transmission Network Load (MW) (f)
Peak date	Time	MW	Total Firm Schedules (Disc)	Total Firm Reservations (Disc)				
1	2	3	4	5	6	6a	6b	7
								(3-4+5-6+6a+6b)
17-Jan-18	8	3904	-	-	0.000	0.000	0.000	3904.0
5-Feb-18	8	3582	-	-	0.000	0.000	0.000	3582.0
6-Mar-18	20	3070	-	-	0.000	0.000	0.000	3070.0
4-Apr-18	8	3149	-	-	0.000	0.000	0.000	3149.0
31-May-18	17	4481	-	-	0.000	0.000	0.000	4481.0
28-Jun-18	17	5464	-	-	0.000	0.000	0.000	5464.0
12-Jul-18	16	5374	-	-	0.000	0.000	0.000	5374.0
27-Aug-18	17	5106	-	-	0.000	0.000	0.000	5106.0
19-Sep-18	17	4990	-	-	0.000	0.000	0.000	4990.0
3-Oct-18	17	4387	-	-	0.000	0.000	0.000	4387.0
12-Nov-18	19	3378	-	-	0.000	0.000	0.000	3378.0
3-Dec-18	19	3355	-	-	0.000	0.000	0.000	3355.0
12 month avg.		4,187	-	-	-	-	-	4186.7

Retail Load Section

Energy Accounting Sourced Transmission Peak Load Before Network Load Adjustments			Point-to-Point Transmission Service		Network Service providing under Southwest Power Pool Open Access Transmission Tariff (SPP OATT)				
			Wholesale Load not served by OATT Network Service		Wholesale Load served by OATT Network Service			WRGS Retail NITS Agreement	
			Wholesale Load (g)	Wholesale Load Total	All NITS Wholesale Load (h)	Non-BA Load on Westar Wires not in Transmission Peak (i)	OATT Network Load Total excluding Retail NITS Agreement	WRGS Retail NITS Agreement Network Load (j)	Retail Load (l)
Peak date	Time	MW							
1	2	3	8a	8	9a	9b	9	10	12
				(8a)			(9a+9b)	(3-8-9)	(10-11)
17-Jan-18	8	3,904	0.000	0.000	700	0.000	700.405	3,204	3,204
5-Feb-18	8	3,582	0.000	0.000	647	0.000	646.986	2,935	2,935
6-Mar-18	20	3,070	0.000	0.000	546	0.000	545.814	2,524	2,524
4-Apr-18	8	3,149	0.000	0.000	561	0.000	560.605	2,588	2,588
31-May-18	17	4,481	0.000	0.000	732	0.000	731.624	3,749	3,749
28-Jun-18	17	5,464	0.000	0.000	908	0.000	908.467	4,556	4,556
12-Jul-18	16	5,374	0.000	0.000	889	0.000	888.622	4,485	4,485
27-Aug-18	17	5,106	0.000	0.000	832	0.000	832.310	4,274	4,274
19-Sep-18	17	4,990	0.000	0.000	816	0.000	815.714	4,174	4,174
3-Oct-18	17	4,387	0.000	0.000	729	0.000	729.358	3,658	3,658
12-Nov-18	19	3,378	0.000	0.000	604	0.000	603.687	2,774	2,774
3-Dec-18	19	3,355	0.000	0.000	599	0.000	598.960	2,756	2,756
12 month avg.		4,187			714	-	714	3,473	3,473.1

Source: Transmission Accounting, RKibbee

Retail LRS		MW
Retail Load		3473.1207
Trans Load		4186.6667
Retail Load Ratio Share		82.95670402%

General Notes

All shown loads are 2018 values

Reference Notes related to 2018

Transmission Network Load Adjustments Section

(a)	Firm PTP Schedule not under SPP OATT: There are no contracts active to be scheduled against. (Disc) = Discontinued.
(b)	Firm PTP Reservation not under SPP OATT: There are no reservations active to be scheduled against. (Disc) = Discontinued.
(c)	Non-Firm Wholesale Load: There is no non-firm wholesale load.
(d)	Non-Westar Generation which is not already included in Westar's Transmission Network Load is an adjustment. In 2018, all generation is included in the load.
(e)	Adjustment for load or generation connected to Westar's Network, but not in Westar's Balancing Area, and not included in the Westar's Transmission Network Load reported in column 3. No adjustment required for this year.
(f)	Adjusted Westar Transmission Network Load

Calculation of Retail Load Section

(g)	Load served by PTP Service: None
(h)	Wholesale Load served by OATT Network Service. This includes all wholesale load within Westar's Transmission Network, except those served under PTP (see Column g)
(i)	Same as (e). No adjustment required for year.
(j)	Total NITS included in the Retail NITS Agreement with SPP.
(k)	Genco wholesale load is not included in the retail NTS agreement. All wholesale loads have been removed from the retail NITSA at this time. No adjustment needed.
(l)	Total RETAIL LOAD.

SPP Charges for Retail Load - YE 2018

Month	SPP Charge	SPP Charge	Wholesale Distribution Delivery Charge
	Ancilliary 1a	Total: Sch 12 Total Retail Load (a)	WDSC-Schedule 10 (c)
Jan	\$ 1,049,313.04	\$ 94,712.70	\$ 19,493.66
Feb	\$ 1,070,141.59	\$ 135,691.90	\$ 19,493.66
March	\$ 966,579.50	\$ 119,944.83	\$ 19,493.66
Apr	\$ 1,068,703.23	\$ 112,739.32	\$ 19,493.66
May	\$ 1,035,620.89	\$ 108,897.27	\$ 19,493.66
June	\$ 1,070,141.59	\$ 119,625.83	\$ 19,493.66
July	\$ 1,035,620.89	\$ 150,354.08	\$ 19,493.66
Aug	\$ 1,070,141.59	\$ 168,175.92	\$ 19,493.66
Sept	\$ 1,070,141.59	\$ 153,111.39	\$ -
Oct	\$ 1,035,620.89	\$ 145,626.71	\$ 19,493.66
Nov	\$ 1,070,141.59	\$ 117,324.17	\$ -
Dec	\$ 1,037,059.26	\$ 110,043.99	\$ -
Totals	12,579,225.65	1,536,248.11	\$ 175,442.94

Foreign Wires Retail Load - YE 2018

Month	MKEC-Morganville (b)	- not in use -	Total Foreign Wires
Jan	\$ 2,583.57	0.00	2,583.57
Feb	\$ 4,260.82	0.00	4,260.82
March	\$ 3,846.44	0.00	3,846.44
Apr	\$ 2,490.23	0.00	2,490.23
May	\$ 2,450.00	0.00	2,450.00
June	\$ 2,995.34	0.00	2,995.34
July	\$ 3,154.40	0.00	3,154.40
Aug	\$ 3,477.95	0.00	3,477.95
Sept	\$ 1,900.18	0.00	1,900.18
Oct	\$ 1,688.70	0.00	1,688.70
Nov	\$ 2,607.36	0.00	2,607.36
Dec	\$ 3,774.56	0.00	3,774.56
Totals	35,229.55	-	35,229.55

Notes:

(a)	SPP's Schedule 12 charge for Westar's Retail Load.
(b)	All charges for transmission and distribution services for serving Westar Energy's Load on MKEC Wires. (i.e. City of Morganville Load).
(c)	SPP Schedule 10, approved by FERC; ER17-221

Source: D. Feeney Power Accounting

DIRECT ASSIGNED NETWORK UPGRADES

Direct assigned transmission fees related to Meridian Way and Flat Ridge Generation - new SPP charges since Docket No. 10-WSEE-507-TAR TDC filing.

SPP Facility Upgrade Reservations 73447934 is for Flat Ridge and 73447931 is for Meridian Way

Month	SPP Charge		
	Total: Direct Assigned Network Upgrades	Less: Credits (a)	Net: Direct Assigned Network Upgrades
Jan	\$ 229,303.43	232,138.42	-2,834.99
Feb	\$ 229,303.43	232,127.69	-2,824.26
March	\$ 229,303.43	249,803.10	-20,499.67
Apr	\$ 229,303.43	195,913.52	33,389.91
May	\$ 229,303.43	195,928.02	33,375.41
June	\$ 229,303.43	214,879.54	14,423.89
July	\$ 229,303.43	170,954.54	58,348.89
Aug	\$ 229,303.43	171,039.06	58,264.37
Sept	\$ 229,303.43	171,012.49	58,290.94
Oct	\$ 229,303.43	171,231.63	58,071.80
Nov	\$ 229,303.43	171,028.96	58,274.47
Dec	\$ 229,303.43	171,027.22	58,276.21
Totals	2,751,641.16	2,347,084.19	404,556.97

Notes:

- (a) Credits are determined by SPP related to other customers use of the upgrade facilities.

Source: [Derek Feeney, Westar Energy Power Accounting](#)

NETWORK PEAK LOAD ADJUSTMENTS

Source: [Transmission Accounting, RKibbee 02/13/19](#)

Start Date 1/1/2018
End Date 12/31/2018
Time Zone CPT
Time Stamp Wednesday, February 13, 2019 10:27:54 AM
Filter Name Meter: westar transmission load

MeterID	Meter	Month	Peak Day	Peak HE	Value
1517	westar transmission load	Jan-18	1/17/2018	8	3904
1517	westar transmission load	Feb-18	2/5/2018	8	3582
1517	westar transmission load	Mar-18	3/6/2018	20	3070
1517	westar transmission load	Apr-18	4/4/2018	8	3149
1517	westar transmission load	May-18	5/31/2018	17	4481
1517	westar transmission load	Jun-18	6/28/2018	17	5464
1517	westar transmission load	Jul-18	7/12/2018	16	5374
1517	westar transmission load	Aug-18	8/27/2018	17	5106
1517	westar transmission load	Sep-18	9/19/2018	17	4990
1517	westar transmission load	Oct-18	10/3/2018	17	4387
1517	westar transmission load	Nov-18	11/12/2018	19	3378
1517	westar transmission load	Dec-18	12/3/2018	19	3355

Retail load calculation support

Source: [Transmission Accounting, RKibbee 02/13/19](#)

2018 TDC Category (in MW)							
		Column 8			Column 9b		
		Wholesale Load Not			Non-BA load on		
		Served by OATT			Westar Wires not in		
Month	Column 3	Network Service	Column 9a	Transmission Peak	Wholesale Load in WRGS Retail NITS	Column 11	Column 12
Jan	3,904	0	700	0.0000	0.0000	0.0000	3,204
Feb	3,582	0	647	0.0000	0.0000	0.0000	2,935
Mar	3,070	0	546	0.0000	0.0000	0.0000	2,524
Apr	3,149	0	561	0.0000	0.0000	0.0000	2,588
May	4,481	0	732	0.0000	0.0000	0.0000	3,749
Jun	5,464	0	908	0.0000	0.0000	0.0000	4,556
Jul	5,374	0	889	0.0000	0.0000	0.0000	4,485
Aug	5,106	0	832	0.0000	0.0000	0.0000	4,274
Sep	4,990	0	816	0.0000	0.0000	0.0000	4,174
Oct	4,387	0	729	0.0000	0.0000	0.0000	3,658
Nov	3,378	0	604	0.0000	0.0000	0.0000	2,774
Dec	3,355	0	599	0.0000	0.0000	0.0000	2,756

Calculation of Retail Load Section

(d)	Load served by PTP Service: None
(e)	Wholesale Load served by OATT Network Service. This includes all wholesale load within Westar's Transmission Network, except those served under PTP (see Column d)
(f)	No adjustment required for year.
(g)	No adjustment required for year.
(h)	Total RETAIL LOAD.

Southwest Power Pool, Inc.
Regional and Zonal Transmission System Peak Loads (MW)
Calendar Year 2018

Source: rrr_for_bills_2019-02-01_revenue_requirement_and_rates; "Reg & Zonal Avg Loads" Tab

Zone	Monthly Peak Load (MW) 2018												Total	Average
	January	February	March	April	May	June	July	August	September	October	November	December		
AEP	9,556.000	7,764.000	6,428.000	6,076.000	9,276.000	9,984.000	10,460.000	9,668.000	9,515.000	8,520.000	7,658.000	7,612.000	102,517.000	8,543.083
EDE	1,212.000	1,037.000	837.000	802.000	932.000	1,109.000	1,105.000	1,043.000	1,018.000	859.000	970.000	941.000	11,865.000	988.750
GRDA	628.000	592.000	548.000	529.000	747.000	820.000	839.000	800.000	799.000	730.000	607.000	603.000	8,242.000	686.833
KCPL	3,095.723	2,811.099	2,365.343	2,416.758	3,476.231	3,957.592	3,997.452	3,738.949	3,561.262	3,208.747	2,550.491	2,519.485	37,699.132	3,141.594
KCPL-GMO	1,697.528	1,496.470	1,227.372	1,273.372	1,732.548	1,911.607	1,960.626	1,846.724	1,783.705	1,589.607	1,319.431	1,376.411	19,215.401	1,601.283
LES	601.000	559.000	483.000	480.000	647.958	736.285	764.543	717.851	700.642	570.286	503.853	512.816	7,277.234	606.436
MIDW	286.200	271.300	251.400	245.559	321.926	397.361	408.049	379.345	348.680	312.874	261.300	266.400	3,750.394	312.533
MKEC	456.100	446.600	411.500	418.500	537.400	667.500	615.300	620.300	612.300	544.400	460.700	459.500	6,250.100	520.842
NPPD	2,634.744	2,461.159	2,096.210	2,162.002	2,280.844	2,938.268	3,466.174	3,162.823	2,405.140	1,888.232	2,312.006	2,258.621	30,066.223	2,505.519
OGE	5,621.934	4,953.713	4,177.583	4,173.765	6,129.881	6,464.081	6,936.045	6,413.940	5,963.415	5,427.294	4,647.690	4,641.353	65,550.694	5,462.558
OPPD	1,931.378	1,791.395	1,608.276	1,534.444	2,233.742	2,405.928	2,470.043	2,358.708	2,300.969	1,919.318	1,623.066	1,678.304	23,855.571	1,987.964
SECI	328.300	329.200	327.400	329.800	418.200	463.800	528.000	453.800	405.500	395.600	311.100	331.300	4,622.000	385.167
SPA	302.200	207.100	167.000	154.200	211.400	287.400	281.300	268.782	257.747	219.599	137.007	182.006	2,675.741	222.978
SPRM	535.000	466.000	409.000	405.000	594.000	726.000	728.000	687.000	672.000	562.000	443.000	456.000	6,683.000	556.917
SPS	4,394.000	4,075.000	3,911.000	4,327.000	5,552.000	5,752.000	6,158.832	5,784.246	5,009.181	4,565.462	4,230.740	4,303.052	58,062.513	4,838.543
UMZ W FSE	5,651.233	5,629.440	4,789.773	4,877.153	4,460.748	4,672.214	4,991.805	5,007.928	4,402.590	4,501.776	5,078.218	5,268.040	59,330.918	4,944.243
UMZ W/O FSE	4,074.662	4,093.215	3,340.584	3,471.983	3,477.462	3,636.753	3,754.831	3,769.952	3,329.284	3,509.943	3,692.560	3,788.324	43,939.553	3,661.629
WFEC	1,625.738	1,422.078	1,130.193	1,222.644	1,379.781	1,446.663	1,520.895	1,435.158	1,362.193	1,230.131	1,310.689	1,309.874	16,396.037	1,366.336
WR	3,904.000	3,582.000	3,070.000	3,149.000	4,481.000	5,464.001	5,374.015	5,105.902	4,990.187	4,387.000	3,378.000	3,355.000	50,240.105	4,186.675
Total Region Zones 1 - 18													37,914.012 applicable to Table 2-A	
Total Region Zones 1 - 19 w FSE													42,858.255 applicable to Thru&Out Zonal Sch 11 PTP Rate	
Total Region Zones 1 - 19 w/o FSE													41,575.642 applicable to Table 2-B	

Southwest Power Pool, Inc.

ATTACHMENT H
Annual Transmission Revenue Requirement For Network
Integration Transmission Service

Table 1

11						
(1) Zone	(2)	(3) Zonal ATRR (FROM Transmission Owner)	(4) Base Plan Zonal ATRR	(5) Base Plan Zonal ATRR after June 19, 2010	(6) ATRR Reallocated to Balanced Portfolio Region-wide ATRR	(7) Base Plan Zonal ATRR to pay Upgrade Sponsors
1	American Electric Power –West (Total)	\$286,461,329	\$35,466,686	\$44,260,692	\$6,124,602	\$3,166,422
1a	American Electric Power (Public Service Company of Oklahoma and Southwestern Electric Power Company) See Section II.3	\$179,234,256	\$32,887,927	\$32,466,548		
1b	East Texas Electric Cooperative, Inc.	\$6,189,913				
1c	Reserved for Future Use					
1d	Deep E East Texas Electric Cooperative, Inc.	\$934,099				
1e	Oklahoma Municipal Power Authority	\$748,966				
1f	AEP West Transmission Companies (AEP Oklahoma Transmission Company, Inc. and AEP Southwestern Transmission Company, Inc.)	\$98,303,804	\$2,504,810	\$11,794,144		
1g	Coffeyville Municipal Light and Power (CMPL)	\$381,696				
1h	Arkansas Electric Cooperative Corporation	\$668,596	\$73,949			
2	Reserved for Future Use					
3	City Utilities of Springfield, Missouri	\$13,905,782	\$891,705	\$0	\$4,133,640	\$0
4	Empire District Electric Company	\$45,082,343	\$3,536,901	\$0	\$7,195,852	\$13,567
5	Grand River Dam Authority	\$20,248,035	\$3,750,612	\$642,742	\$3,529,095	\$37,788
6	Kansas City Power & Light Company (TOTAL)	\$44,224,830	\$2,959,336	\$105,049	\$5,761,657	\$268,116
6a	Kansas City Power & Light Company	\$39,464,220	\$2,959,336	\$105,049		
6b	City of Independence, Missouri	\$4,760,610				
7	Oklahoma Gas and Electric (Total)	\$66,932,426	\$11,094,988	\$9,817,456	(\$4,581,573)	\$5,714,469
7a	Oklahoma Gas and Electric	\$66,227,923	\$11,094,988	\$9,817,456		
7b	Oklahoma Municipal Power Authority	\$359,681				
7c	Arkansas Electric Cooperative Corporation	\$344,822				
8	Midwest Energy, Inc.	\$14,074,764	\$332,754	\$2,424,035		\$106,555
9	KCP&L Greater Missouri Operations Company (Total)	\$37,995,330	\$1,261,012	\$19,821	\$12,825,383	\$12
9a	KCP&L Greater Missouri Operations Company	\$37,995,330	\$1,261,012	\$19,821		
9b	Transource Missouri, LLC	\$0				
10	Southwestern Power Administration (Total)	\$17,783,122	\$0	\$0		
10a	Southwestern Power Administration Zonal ATRR (Non-Federal Transmission Service ATRR)	\$15,533,800				
10a(i)	NITS ATRR	\$6,237,313				
10b	South Central MCN LLC	\$2,249,322				
11	Southwestern Public Service Company (Total)	\$131,042,881	\$29,128,335	\$55,128,918		\$1,240,551
11a	Southwestern Public Service Company	\$121,769,814	\$29,128,335	\$55,128,918		
11b	South Central MCN LLC	\$8,896,559				
11c	Lea County Electric Cooperative, Inc.	\$376,508				
12	Sunflower Electric Power Corporation	\$11,744,448	\$2,962,657	\$5,834,392		\$516,256
13	Western Farmers Electric Cooperative	\$23,627,326	\$7,698,551	\$7,543,405		\$3,347,694
14	Westar Energy, Inc. (Kansas Gas & Electric and Westar Energy) (Total)	\$163,594,981	\$23,729,567	\$33,695,057	\$5,061,469	\$964,197
14a	Westar Energy, Inc. (Kansas Gas & Electric and Westar Energy)	\$163,254,612	\$23,729,567	\$33,695,057		
14b	Prairie Wind Transmission, LLC.	\$0				
14c	Kansas Power Pool	\$340,370	\$0	\$0		
15	Mid-Kansas Electric Company (Total)	\$5,386,366	\$3,218,443	\$12,103,990		\$1,354,816
15a	Mid-Kansas Electric Company	\$4,655,629	\$3,218,443	\$11,083,516		
15b	ITC Great Plains	\$730,736		\$1,020,474		
15c	Prairie Wind Transmission, LLC.	\$0				
16	Lincoln Electric System	\$30,089,501	\$84,164	\$521,160	\$10,530,074	\$0
17	Nebraska Public Power District	\$48,678,856	\$11,913,133	\$6,127,515	\$11,123,307	\$283,494
17a	Nebraska Public Power District	\$41,876,491	\$11,913,133	\$6,127,515		
17b	Central Nebraska Public Power and Irrigation District	\$396,748				
17c	Tri-State G&T Association	\$6,405,617				
18	Omaha Public Power District	\$49,193,099	\$3,399,230	\$1,500,470	\$12,071,175	\$23,486
19	Upper Missouri Zone – Total	\$265,946,624	\$0	\$6,956,334		
19a	Western-UGP	\$135,555,574				
19b	Basin Electric Power Cooperative	\$52,504,683	\$0	\$6,891,281		
19c	Heartland Consumers Power District	\$185,007				
19d	Missouri River Energy Services - Total	\$7,880,946	\$0	\$0		
19d(i)	Missouri River Energy	\$3,586,464				
19d(ii)	Moorhead Public Service	\$1,125,065				
19d(iii)	Orange City Municipal Utilities	\$522,167				
19d(iv)	City of Pierre, South Dakota	\$630,127				
19d(v)	City of Sioux Center, Iowa	\$195,344				
19d(vi)	Watertown Municipal Utility Department	\$725,385				
19d(vii)	Denison Municipal Utilities	\$328,598				
19d(viii)	Vermillion Light & Power	\$767,795				
19e	East River Electric Power Cooperative, Inc.	\$20,110,284		\$65,053		
19f	Com Belt Power Cooperative	\$11,655,734				
19g	NorthWestern Corporation (South Dakota)	\$6,651,340				

19h	Northwest Iowa Power Cooperative	\$9,086,558				
19i	Harlan Municipal Utilities	(\$111,460)				
19j	Central Power Electric Cooperative	\$10,059,208				
19k	Mountair Williams	\$12,368,750				
20	Total	\$1,276,012,042	\$141,428,074	\$186,681,035	\$73,774,679	\$17,037,423

Table 2-A

From Base Plan Rev. Req. Alloc Tab		
1	Base Plan Region-wide ATRR (NTC prior to June 19, 2010)	\$71,391,894
2	Base Plan Region-wide ATRR (NTC on or after June 19, 2010)	\$173,855,703
3	Total ATRR reallocated to Balanced Portfolio Region-wide ATRR from Column (6), Section I, Table 1	\$73,774,679
4	Balanced Portfolio Region-wide ATRR	\$88,451,606
5	Base Plan Region-wide ATRR to pay Upgrade Sponsors	\$12,259,509
6	SPP Interregional Planning Region ATRR	
7	Other Interregional Planning Region ATRR	
8	Region-wide ATRR (Sum Lines 1 through 7)	\$419,733,392

Table 2-B

From Brightline 10-1-2015 Base Plan ATRR Tab		
1	Base Plan Region-wide ATRR (NTC prior to June 19, 2010)	\$1,917,873
2	Base Plan Region-wide ATRR (NTC on or after June 19, 2010)	\$163,148,631
3	Total ATRR reallocated to Balanced Portfolio Region-wide ATRR from Column (6), Section I, Table 1	
4	Balanced Portfolio Region-wide ATRR	
5	Base Plan Region-wide ATRR to pay Upgrade Sponsors	\$15,317,165
6	SPP Interregional Planning Region ATRR	
7	Other Interregional Planning Region ATRR	
8	Region-wide ATRR (Sum Lines 1 through 7)	\$180,383,669

This Attachment

Table 3

Difference between PTP and Att AU revenues and Table 3 values.			
(1) Zone	(2)	(3) Zonal ATRR Credit Included	(4) Base Plan Zonal ATRR
1	American Electric Power --West (Total)		
1a	American Electric Power (Public Service Company of Oklahoma and Southwestern Electric Power Company) See Section II.3	N/A	N/A
1b	East Texas Electric Cooperative, Inc.	\$185,851	\$0
1c	Reserved for Future Use		
1d	Deep East Texas Electric Cooperative, Inc.	\$111,432	\$0
1e	Oklahoma Municipal Power Authority	\$19,658	\$0
1f	AEP West Transmission Companies (AEP Oklahoma Transmission Company, Inc and AEP Southwestern Transmission Company, Inc)	N/A	N/A
1g	Colleyville Municipal Light and Power (CMPLP)	\$10,094	\$0
1h	Arkansas Electric Cooperative Corporation	N/A	N/A
2	Reserved for Future Use		
3	City Utilities of Springfield, Missouri	N/A	N/A
4	Empire District Electric Company	N/A	\$536,490
5	Grand River Dam Authority	N/A	N/A
6	Kansas City Power & Light Company (TOTAL)		
6a	Kansas City Power & Light Company	N/A	N/A
6b	City of Independence, Missouri	\$239,390	\$0
7	Oklahoma Gas and Electric (Total)		
7a	Oklahoma Gas and Electric	N/A	N/A
7b	Oklahoma Municipal Power Authority	\$8,820	\$0
8	Midwest Energy, Inc.	N/A	N/A
9	KCP&L Greater Missouri Operations Company (Total)		
9a	KCP&L Greater Missouri Operations Company	N/A	N/A
9b	Transource Missouri, LLC	N/A	N/A
10	Southwestern Power Administration		\$0
11	Southwestern Public Service Company (Total)		
11a	Southwestern Public Service Company	N/A	N/A
11b	Reserved for Future Use		
11c	Lea County Electric Cooperative, Inc.	\$11,492	\$0
12	Sunflower Electric Power Corporation	N/A	N/A
13	Western Farmers Electric Cooperative	N/A	N/A
14	Westar Energy, Inc. (Kansas Gas & Electric and Westar Energy) (Total)		
14a	Westar Energy, Inc. (Kansas Gas & Electric and Westar Energy)	N/A	N/A
14b	Prairie Wind Transmission, LLC.	N/A	N/A
14c	Kansas Power Pool	\$9,873	\$0
15	Mid-Kansas Electric Company (Total)		
15a	Mid-Kansas Electric Company	N/A	N/A
15b	ITC Great Plains	N/A	N/A
15c	Prairie Wind Transmission, LLC.	N/A	N/A
16	Lincoln Electric System	N/A	N/A
17	Nebraska Public Power District		
17a	Nebraska Public Power District	N/A	N/A
17b	Central Nebraska Public Power and Irrigation District	\$13,252	\$0
17c	Tri-State G&T Association	N/A	N/A
18	Omaha Public Power District	N/A	\$619,931
19	Upper Missouri Zone -- Total		
19a	Western-UGP	N/A	N/A

19b	Basin Electric Power Cooperative	N/A	N/A
19c	Heartland Consumers Power District	N/A	N/A
19d	Missouri River Energy Services - Total		
19d(i)	Missouri River Energy Services	N/A	N/A
19d(ii)	Moorhead Public Service	N/A	N/A
19d(iii)	Orange City Municipal Utilities	N/A	N/A
19d(iv)	City of Pierre, South Dakota	N/A	N/A
19d(v)	City of Sioux Center, Iowa	N/A	N/A
19d(vi)	Watertown Municipal Utility Department	N/A	N/A
19d(vii)	Denison Municipal Utilities	N/A	N/A
19d(viii)	Vermillion Light & Power	N/A	N/A
19e	East River Electric Power Cooperative, Inc.	N/A	N/A
19f	Corn Belt Power Cooperative	N/A	N/A
19g	NorthWestern Corporation (South Dakota)	N/A	\$0
19h	Northwest Iowa Power Cooperative	N/A	N/A
19i	Harlan Municipal Utilities	N/A	N/A
19j	Central Power Electric Cooperative	N/A	N/A
195	Mountrail Williams	N/A	N/A

Network Customer Transmission Credits

Table 4

Network Customer	Revenue requirements for Network customers eligible for Network Customer Transmission Credits	Application of Network Customer Transmission Credits
Montana-Dakota Utilities ("MDU")	See Joint Offer of Partial Settlement in Docket No. ER14-2850 and ER14-2851 (consolidated) accepted by the Commission on April 21. Revenue requirements for Network Customer Transmission Credits for MDU shall be recovered from Transmission Customers in the pricing Zone 19. The amount to be credited is below:	(a) MDU shall receive Network Customer Transmission Credits applied against MDU's transmission charges for transmission service taken in pricing Zone 19 under Schedule 9 and, if any Network Customer Transmission Credits remain thereafter, to its Schedule 11 monthly Base Plan Zonal Charge. (b) The Transmission Provider shall apply the MDU Network Customer Transmission Credits in the following manner: Schedule 9 - MDU shall be responsible for its monthly demand charge less any Network Customer Transmission Credits, and for all other applicable charges under the Tariff. Schedule 9 - MDU shall be responsible for its monthly demand charge less any Network Customer Transmission Credits, and for all other applicable charges under the Tariff. Schedule 11 - MDU shall be responsible for all its Schedule 11 Base Plan Zonal Charges less any remaining Network Customer Transmission Credits, if any. Schedule 11 - MDU shall be responsible for all its Schedule 11 Base Plan Zonal Charges less any remaining Network Customer Transmission Credits, if any.
Total SPP 30.9 Credits	\$10,319,958	1/1/2019

2019 Rate Calculation

	328 Docket 12-CP	TDC Revenue Requirement	328 Docket Billing Determinants	UOM	New Rate
Residential (RS, RPER, REV, RESTOU)	37.98%	\$94,266,820.70	6,304,361,485	kWh	\$0.014953
Residential DG	0.01%	\$25,263.91	1,918,300	kWh	\$0.013170
SGS (Includes SGS, SGSCO, ST, GSS, OPS, DOR, ETS, CCN)	19.98%	\$49,588,168.20	3,573,672,749	kWh	\$0.013876
MGS	13.08%	\$32,467,386.64	7,136,267	KW	\$4.549632
Schools (PS-R,SES,REIS,RTESC)	4.22%	\$10,463,356.25	623,742,128	kWh	\$0.016775
Restricted Time of Day (RITODS)	0.08%	\$204,766.42	15,388,165	kWh	\$0.013307
Lighting (SAL, SL, TS, Pilot LED)	0.08%	\$196,743.91	166,874,986	kWh	\$0.001179
LGS	15.55%	\$38,584,258.66	8,733,462	KW	\$4.417980
ILP	4.44%	\$11,014,705.52	2,029,869	KW	\$5.426313
LTM	0.50%	\$1,233,496.70	245,848	kVA	\$5.017314
ICS	0.28%	\$684,867.83	188,803	kW	\$3.627420
Special Contract	3.82%	\$9,472,662.49	1,065,909,000	kWh	\$0.008887
	100.00%	\$248,202,497.22			

TDC 2019
Residential Standard Rate Impact

Residential Standard rate impact with 2019 TDC

		usage - kWh			
		900			
	<u>current</u>	<u>proposed</u>	<u>current</u>	<u>proposed</u>	
customer charge	\$ 14.50	\$ 14.50	\$ 14.50	\$ 14.50	
winter					
500	\$ 0.073512	\$ 0.073512	\$ 36.76	\$ 36.76	
400	\$ 0.073512	\$ 0.073512	\$ 29.40	\$ 29.40	
all add'l	\$ 0.060089	\$ 0.060089			
summer					
500	\$ 0.073512	\$ 0.073512	\$ 36.76	\$ 36.76	
400	\$ 0.073512	\$ 0.073512	\$ 29.40	\$ 29.40	
all add'l	\$ 0.081088	\$ 0.081088			
RECA	\$ 0.023977	\$ 0.023977	\$ 21.58	\$ 21.58	
TDC	\$ 0.016714	\$ 0.014953	\$ 15.04	\$ 13.46	
PTS	\$ 0.001209	\$ 0.001209	\$ 1.09	\$ 1.09	
EER	\$ 0.000256	\$ 0.000256	\$ 0.23	\$ 0.23	
total bill winter			\$ 118.60	\$ 117.02	increase \$ (1.58) -1.33%
total bill summer			\$ 118.60	\$ 117.02	\$ (1.58) -1.33%
annual impact			\$ 1,423.20	\$ 1,404.24	\$ (18.96) -1.33%
monthly impact			\$ 118.60	\$ 117.02	\$ (1.58)