

215 South Cascade Street
PO Box 496
Fergus Falls, Minnesota 56538-0496
218 739-8200
www.otpc.com (web site)



July 25, 2018

Mr. Darrel Nitschke
Director of Administration
North Dakota Public Service Commission
600 E. Boulevard Ave., Dept. 408
Bismarck, ND 58505-0480

Dear Mr. Nitschke:

For the four-month period ending June 30, 2018, the rate for the Energy Adjustment Rider is (\$0.00097) per kWh and Plant Reagent/Emissions is \$0.00051 per kWh. Otter Tail Power Company (Otter Tail) proposes to bill at these rates effective August 1, 2018.

The following additional information is provided for the Energy Adjustment Rider:

Average costs from previous month's adjustment:	\$.024256
Average costs from current month's adjustment:	\$.023358
Difference – (Increase) Decrease:	\$.000898

The net effect of this energy adjustment is to decrease the rate by \$.00090. The total resulting adjustment for the current billing period will then be (\$0.00097) per kWh.

Information supporting the adjustments is enclosed. The costs reported in the supporting detail are based on the provisions of the Energy Adjustment Rider approved by the Commission in the Order on Interim Rates dated December 20, 2017, in Case No. PU-17-398. Effective January 1, 2018, the base cost of energy is \$0.024327.

The costs reported for the Plant Reagent/Emissions were approved by the Commission on February 25, 2015, as a part of the Environmental Cost Recovery Rider in Case No. PU-14-668. Detailed schedule of the items included in the calculations are enclosed.

Mr. Darrel Nitschke
July 25, 2018
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Otter Tail Power Company submits an original and two (2) copies each of the following:

- 1) Calculation of the August 2018 Energy Adjustment Rider based on the four-month period ending June 2018.
- 2) Monthly Detail of MISO Day 2 Charges by Charge Type for ND Energy Adjustment Rider marked as Attachment A (2 pages).
- 3) Monthly MISO Day 2 Charges for ND Energy Adjustment Rider marked as Attachment B.
- 4) Monthly MISO Day 2 Charges for ND Non-Energy Adjustment Rider marked as Attachment C.
- 5) Detail of MISO Day 2 Charges by Charge Group for Current Month marked as Attachment D (2 pages).
- 6) Otter Tail's Plant Conditions for June 2018 marked as Attachment E.
- 7) Monthly Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month and Year to Date marked as Attachment F. The SPP charges are included in Purchased Power line of Energy Adjustment Rider calculation.

Sincerely,

/s/ JILL R. BJORGUM
Jill R. Bjorgum
Regulatory Transactions Specialist

Enclosures
By electronic filing
cc: NDPSC – electronic copy

NORTH DAKOTA
 OTTER TAIL POWER COMPANY
 ENERGY ADJUSTMENT RIDER
 FOR BILLING TO BE EFFECTIVE AUGUST 1, 2018

1st of the Month
 RATE LEVEL 50

	(A) 2018 March	(B) 2018 April	(C) 2018 May	(D) 2018 June	(E) Total This Period	
ENERGY COSTS & CREDITS						
Line						
1	Purchased Power	\$3,144,298	\$1,572,398	\$1,836,514	\$1,138,440	\$7,691,649
2	Wind Curtailment	\$0	\$4,670	\$6,995	(\$3,895)	\$7,771
3	Steam Plant Generation	\$5,532,993	\$4,019,223	\$5,838,824	\$5,507,138	\$20,898,178
4	Other Plant Generation	\$87,701	\$123,934	\$173,095	\$226,263	\$610,993
5	Hydro Plant Generation	\$0	\$0	\$0	\$0	\$0
6	Less: Intersystem Sales	(\$345,407)	(\$365,334)	(\$864,736)	(\$815,204)	(\$2,390,680)
7	Net Retail MISO Day 2	\$4,206,166	\$3,688,276	\$2,421,092	\$2,057,520	\$12,373,053
8	NET ENERGY COSTS	\$12,625,751	\$9,043,168	\$9,411,783	\$8,110,263	\$39,190,964
ASSET-BASED MARGINS						
		2018 May	2018 June	2018 July	2018 August	Total This Period
9	Forecast of Margins - 85%	\$0	\$0	\$0	\$0	\$0
10	True-up of prior months margin forecast	\$29,907	(\$44,724)	(\$125,496)	(\$195,543)	(\$335,856)
11	Total Margin Credit	\$29,907	(\$44,724)	(\$125,496)	(\$195,543)	(\$335,856)
12	Prior (over) under recovery (line 25)					(\$753,419)
13	Adjusted Net Energy Costs (line 8 + line 11 + line 12)					\$38,101,689
ENERGY -- KWH						
		2018 March	2018 April	2018 May	2018 June	Total This Period
14	Retail Sales - kWhs	455,828,172	427,953,526	379,127,957	368,288,959	1,631,198,614
15	Delivered Cost per kWh					\$0.023358
16	Base Cost per kWh					\$0.024327
17	Energy Cost Adjustment -- Per kWh					(\$0.00097)

TRUE UP FOR JUNE

18	Retail Sales (kWhs) (line 14, col D)					368,288,959
19	Net Energy Costs for the System -- Most recent month					\$8,065,539
20	Base Cost Recovered					\$8,959,366
21	Net to be Recovered from COE (line 19 - line 20)					(\$893,827)
22	COE Recovery Rate Effective for June					\$0.00011
23	Amount Recovered by COE (line 22 x line 18)					\$40,512
24	(Over) / Under Recovery (line 21 - line 23)					(\$934,339)
25	Cumulative (Over) / Under Recovery (prior month cumulative (over)/under)					(\$753,419)

NORTH DAKOTA
 OTTER TAIL POWER COMPANY
 PLANT REAGENT/EMISSIONS CALCULATION
FOR BILLING TO BE EFFECTIVE AUGUST 1, 2018

1st of the Month
 RATE LEVEL 50

	(A) 2018 March	(B) 2018 April	(C) 2018 May	(D) 2018 June	(E) Total This Period	
REAGENTS COSTS & CREDITS						
Line						
1	Big Stone	\$154,159	\$83,189	\$215,396	\$206,288	\$659,032
2	Coyote	\$13,860	\$12,513	\$10,639	\$10,025	\$47,037
3	Hoot Lake	\$16,092	\$16,083	\$13,981	\$12,890	\$59,047
4	Hoot Lake Emissions Allowances	\$825	\$678	\$876	\$729	\$3,108
5	NET REAGENTS COSTS	\$184,936	\$112,463	\$240,892	\$229,932	\$768,223
6	Prior (over) under recovery (line 15)					\$56,672
7	Adjusted Net Reagents Costs (line 5 + line 6)					<u>\$824,895</u>

	2018 March	2018 April	2018 May	2018 June	Total This Period	
ENERGY -- KWH						
8	Retail Sales - kWhs	455,828,172	427,953,526	379,127,957	368,288,959	1,631,198,614
9	Reagent Cost Adjustment -- Per kWh					\$0.00051

TRUE UP FOR JUNE

10	Retail Sales (kWhs) (line 8, col D)					368,288,959
11	Net Reagent Costs for the System -- Most recent month					\$229,932
12	Reagent Cost Adjustment Effective for June					\$0.00032
13	Amount Recovered by Reagent (line 10 x line 12)					\$117,852
14	(Over) / Under Recovery (line 11 - line 13)					\$112,080
15	Cumulative (Over) / Under Recovery (prior month cumulative (over)/under)					\$56,672

Otter Tail Power Company						
Monthly Detail of MISO Day 2 Charges by Charge Type for ND Energy Adjustment Rider - System						
June 2018 includes any adjustments						
No.	Charge Type Description	(A) Acct	(B) Total	(C) Energy Adjustment Rider		(E) Total
				Retail	(D) Other	
					(F) Non-Energy	
					Adj. Rider	
			[PROTECTED DATA BEGINS ...			[PROTECTED DATA BEGINS ...
1	DA Asset Energy Amount	555.02		\$ 1,795,738.85	\$ -	\$ 1,795,738.85
2	DA Non-asset Energy Amount	555.09		\$ (105,631.14)	\$ -	\$ (105,631.14)
3	DA Virtual Energy Amount	555.12		\$ -	\$ -	\$ -
4	RT Asset Energy Amount	555.19		\$ 185,078.01	\$ -	\$ 185,078.01
5	RT Non-Asset Energy Amount	555.26		\$ 16.10	\$ -	\$ 16.10
6	RT Virtual Energy Amount	555.32		\$ -	\$ -	\$ -
			... PROTECTED DATA ENDS]			... PROTECTED DATA ENDS]
7	ENERGY CHARGES TOTAL		\$ 1,080,817.19	\$ 1,875,201.82	\$ -	\$ 1,875,201.82
			[PROTECTED DATA BEGINS ...			[PROTECTED DATA BEGINS ...
8	DA Mkt Admin Amount	555.01		\$ 52,265.22	\$ -	\$ 52,265.22
9	DA FBT Congestion Amount	555.03		\$ -	\$ -	\$ -
10	DA FBT Loss Amount	555.04		\$ -	\$ -	\$ -
11	DA Congestion Rebate on COGA	555.05		\$ -	\$ -	\$ -
12	DA Losses Rebate on COGA	555.06		\$ -	\$ -	\$ -
13	DA Congestion Rebate on Option B GFA	555.07		\$ -	\$ -	\$ -
14	DA Losses Rebate on Option B GFA	555.08		\$ -	\$ -	\$ -
15	DA Ramp Product	555.63		\$ (2,661.26)	\$ -	\$ (2,661.26)
16	DA Revenue Sufficiency Guarantee Distribution Amount	555.10		\$ 7,422.66	\$ -	\$ 7,422.66
17	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11		\$ (3,679.59)	\$ -	\$ (3,679.59)
18	FTR Mkt Admin Amount	555.13		\$ 1,577.20	\$ -	\$ 1,577.20
19	FTR Hourly Allocation Amount	555.14		\$ (182,939.97)	\$ -	\$ (182,939.97)
20	FTR Monthly Allocation Amount	555.15		\$ (6,959.31)	\$ -	\$ (6,959.31)
21	FTR Monthly Transaction Amount	555.35		\$ -	\$ -	\$ -
22	FTR Yearly Allocation Amount	555.17		\$ -	\$ -	\$ -
23	RT Mkt Admin Amount	555.18		\$ 4,388.46	\$ -	\$ 4,388.46
24	RT FBT Congestion Amount	555.20		\$ -	\$ -	\$ -
25	RT FBT Loss Amount	555.21		\$ -	\$ -	\$ -
26	RT Congestion Rebate on COGA	555.22		\$ -	\$ -	\$ -
27	RT Loss Rebate on COGA	555.23		\$ -	\$ -	\$ -
28	RT Distribution of Losses Amount	555.24		\$ (143,764.78)	\$ -	\$ (143,764.78)
29	RT Misc Amount	555.25		\$ 28,368.29	\$ -	\$ 28,368.29
30	RT Net Inadvertent Amount	555.27		\$ (5,401.58)	\$ -	\$ (5,401.58)
31	RT Ramp Product	555.64		\$ 345.12	\$ -	\$ 345.12
32	RT Revenue Neutrality Uplift Amount	555.28		\$ 124,602.86	\$ -	\$ 124,602.86
33	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29		\$ 21,615.72	\$ -	\$ 21,615.72
34	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30		\$ -	\$ -	\$ -
35	RT Uninstructed Deviation Amount	555.31		\$ -	\$ -	\$ -
36	FTR Full Funding Guarantee Amount	555.36		\$ 1,488.58	\$ -	\$ 1,488.58
37	FTR Guarantee Uplift Amount	555.37		\$ (1,680.17)	\$ -	\$ (1,680.17)
38	FTR Auction Revenue Rights Transaction Amount	555.39		\$ (147,040.15)	\$ -	\$ (147,040.15)
39	FTR Annual Transaction Amount	555.38		\$ 145,275.97	\$ -	\$ 145,275.97
40	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40		\$ 4,175.62	\$ -	\$ 4,175.62
41	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41		\$ (35,930.73)	\$ -	\$ (35,930.73)

Otter Tail Power Company								
Monthly Detail of MISO Day 2 Charges by Charge Type for ND Energy Adjustment Rider - System								
June 2018 includes any adjustments								
No.	Charge Type Description	(A)	(B)	(C)		(D)	(E)	(F)
		Acct	Total	Energy Adjustment Rider		Other	Total	Non-Energy Adj. Rider
42	RT Price Volatility Make Whole Payment	555.42		\$ (12,768.15)	\$ -		\$ (12,768.15)	
43	DA_ASM_REG	555.43		\$ (57,678.60)	\$ -		\$ (57,678.60)	
44	DA_ASM_SPIN	555.44		\$ (33,275.48)	\$ -		\$ (33,275.48)	
45	DA_ASM_SUPP	555.45		\$ (4,460.42)	\$ -		\$ (4,460.42)	
46	RT_ASM_REG	555.46		\$ 67.55	\$ -		\$ 67.55	
47	RT_ASM_SPIN	555.47		\$ 4,506.13	\$ -		\$ 4,506.13	
48	RT_ASM_SUPP	555.48		\$ 126.41	\$ -		\$ 126.41	
49	RT_ASM_NRGA	555.49		\$ 405.72	\$ -		\$ 405.72	
50	RT_ASM_EXE_DFE_DEP	555.50		\$ 3,539.78	\$ -		\$ 3,539.78	
51	RT_ASM_CRDFC	555.51		\$ -	\$ -		\$ -	
52	RT_ASM_REG_DIST	555.52		\$ 12,422.14	\$ -		\$ 12,422.14	
53	RT_ASM_SPIN_DIST	555.53		\$ 14,768.70	\$ -		\$ 14,768.70	
54	RT_ASM_SUPP_DIST	555.54		\$ 6,884.06	\$ -		\$ 6,884.06	
55	RT ASM Non-Excessive Energy Amount	555.55		\$ 386,204.41	\$ -		\$ 386,204.41	
56	RT ASM Excessive Energy Amount	555.56		\$ 107.81	\$ -		\$ 107.81	
57	RT_ASM_MISC	555.25		\$ -	\$ -		\$ -	
58	RT Demand Response Allocation Uplift Amount	555.59		\$ -	\$ -		\$ -	
			... PROTECTED DATA ENDS]					... PROTECTED DATA ENDS]
59	ENERGY CHARGES TOTAL		\$ (69,113.13)	\$ 182,318.22	\$ -		\$ 182,318.22	\$ (251,431.35)
60	TOTAL MISO DAY 2 CHARGES		\$ 1,011,704.06	\$ 2,057,520.04	\$ -		\$ 2,057,520.04	\$ (1,045,815.98)
61	Less: MISO RSG Bad Debt		\$ -	\$ -			\$ -	\$ -
62	TOTAL FOR ND COST OF ENERGY ADJUSTMENT		\$ 1,011,704.06	\$ 2,057,520.04			\$ 2,057,520.04	\$ (1,045,815.98)

Otter Tail Power Company Detail of MISO Day 2 Charges by Charge Group for Current Month - System June 2018 includes any adjustments									
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)**	
Charge Type Description	Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Net Intersystem	Total	Charge types with MWH for Retail	
53	RT_ASM_REG_DIST	555.52 \$	12,481.73 \$	(78.78) \$	19.19 \$	12,422.14 \$		-	-
54	RT_ASM_SPIN_DIST	555.53 \$	14,754.34 \$	(71.11) \$	85.47 \$	14,768.70 \$		-	-
55	RT_ASM_SUPP_DIST	555.54 \$	7,178.94 \$	(325.66) \$	30.78 \$	6,884.06 \$		-	-
56	RT ASM Non-Excessive Energy Amount	555.55 \$	658,297.77 \$	(272,093.36) \$	- \$	386,204.41 \$		28,515	(13,556)
57	RT ASM Excessive Energy Amount	555.56 \$	125.55 \$	(17.74) \$	- \$	107.81 \$		-	(67)
58	RT_ASM_MISC	555.25 \$	- \$	- \$	- \$	- \$		-	-
59	TOTAL	\$ 721,048.71	\$ (387,558.32)	\$ 127.82	\$ 333,618.21	\$ -	\$ -	31,425	(29,058)
Grandfathered Charge Types									
60	DA Congestion Rebate on COGA	555.05 \$	- \$	- \$	- \$	- \$		-	-
61	DA Losses Rebate on COGA	555.06 \$	- \$	- \$	- \$	- \$		-	-
62	DA Congestion Rebate on Option B GFA	555.07 \$	- \$	- \$	- \$	- \$		-	-
63	DA Losses Rebate on Option B GFA	555.08 \$	- \$	- \$	- \$	- \$		-	-
64	RT Congestion Rebate on COGA	555.22 \$	- \$	- \$	- \$	- \$		-	-
65	RT Loss Rebate on COGA	555.23 \$	- \$	- \$	- \$	- \$		-	-
66	TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
... PROTECTED DATA ENDS]									
67	TOTAL MISO DAY 2 CHARGES	\$ 10,652,928.48	\$ (8,709,304.04)	\$ 113,895.60	\$ 2,057,520.04	\$ (1,045,815.98)	\$ 1,011,704.06	391,855	(334,633)
68	Less: MISO RSG Bad Debt			\$ -	\$ -				
69	TOTAL FOR ND COST OF ENERGY ADJUSTMENT	\$ 10,652,928.48	\$ (8,709,304.04)	\$ 113,895.60	\$ 2,057,520.04				
70	Net MISO Charges for Retail = (B) + (C) + (D)		\$ 2,057,520.04						
71	Net KWH for retail = ((G) + (H)) * 1,000			57,222,305					57,222,305
72	June covers time period of 5/24/2018 -- 6/21/2018 ** increased for losses of 2.8%								
73	MISO Book Totals	\$ 1,943,624.44	57,222,305						
74	MISO RSG Bad Debt	\$ -							
75	June Adjustments	\$ 113,895.60	3,674,498						
76	Total MISO	\$ 2,057,520.04	60,896,803						

Otter Tail Power Company
Plant Conditions for June 2018

Plant	Net MWh	Unit Availability	Equivalent Availability	Outage			Fuel Prices	
		%	%	Days	Type	Reason	%	Actual vs Budget
Big Stone	230,782	92.7	92.5	1.34	Forced	Boiler Waterwall Leak	3.20	Over
Coyote	257,673	76.5	73.5	6.58 1.19	Scheduled Scheduled	Boiler Wash - Started 5/31/18 04:03 Boiler Wash Extension	11.11	Under
Hoot Lake Unit 2	14,682	100.0	100.0				13.56	Under
Hoot Lake Unit 3	17,896	99.9	99.9				13.56	Under

Note:
Due to the infrequent and sometimes minimal operation of the Hoot Lake Units, the budget fuel price will be calculated annually with the total coal fuel costs for both units divided by the total coal tons for both units. The result will be a constant monthly budget \$/ton compared to the actual coal burned \$/ton that is calculated monthly. Both Hoot Lake Unit's Fuel Prices % and Actual vs Budget will therefore be the same.

Otter Tail Power Company								
Detail of Southwest Power Pool (SPP) Charges by Charge Group for Current Month - System								
June 2018 includes any adjustments								
Charge Type Description		(A)	(B)	(C)	(D)	(E)	(F) and (G)**	
		Acct	Retail Debits	Retail Credits	Retail Adjustments	Net Retail	Charge types with MWH for Retail	
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss							
1	DA Asset Energy Amount	555.19	\$ 2,220.75	\$ -	\$ -	\$ 2,220.75	2,382	-
2	DA Non-asset Energy Amount	555.03	\$ -	\$ -	\$ -	\$ -	-	-
3	RT Asset Energy Amount	555.09	\$ 833.51	\$ (2,006.99)	\$ (16.45)	\$ (1,189.93)	36	-
4	RT Non-Asset Energy Amount	555.00	\$ -	\$ -	\$ -	\$ -	-	-
5	TOTAL		\$ 3,054.26	\$ (2,006.99)	\$ (16.45)	\$ 1,030.82	2,418	-
RSG & Make Whole Payments								
6	DA Make-Whole-Payment Distribution Amount	555.02	\$ 9.84	\$ -	\$ -	\$ 9.84	-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 83.85	\$ -	\$ 0.29	\$ 84.14	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ -	\$ -	\$ -	\$ -	-	-
9	TOTAL		\$ 93.69	\$ -	\$ 0.29	\$ 93.98	-	-
Revenue Neutrality Uplift								
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 1.39	\$ (0.24)	\$ 0.47	\$ 1.62	-	-
11	TOTAL		\$ 1.39	\$ (0.24)	\$ 0.47	\$ 1.62	-	-
Other Charges								
12	DA Regulation-Down Distribution Amount	555.04	\$ 0.62	\$ -	\$ (0.09)	\$ 0.53	-	-
13	DA Regulation-Up Distribution Amount	555.05	\$ 0.96	\$ -	\$ (0.12)	\$ 0.84	-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$ 4.06	\$ -	\$ (0.07)	\$ 3.99	-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$ 0.80	\$ -	\$ (0.02)	\$ 0.78	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$ -	\$ -	\$ -	\$ -	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$ -	\$ (9,511.39)	\$ (166.79)	\$ (9,678.18)	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$ -	\$ (0.02)	\$ -	\$ (0.02)	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$ -	\$ (0.02)	\$ -	\$ (0.02)	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$ -	\$ (0.08)	\$ -	\$ (0.08)	-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ -	\$ -	\$ -	-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ -	\$ -	-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$ 3,290.69	\$ (58,944.65)	\$ -	\$ (55,653.96)	-	-
24	RT Pseudo Tie Loss Amount	555.21	\$ 151.35	\$ (25,304.64)	\$ -	\$ (25,153.29)	-	-
25	Miscellaneous Amount	555.23	\$ -	\$ -	\$ (1.26)	\$ (1.26)	-	-
26	ARR Closeout Yearly Amount	555.26	\$ -	\$ (132,745.56)	\$ -	\$ (132,745.56)	-	-
27	TOTAL		\$ 3,448.48	\$ (226,506.36)	\$ (168.35)	\$ (223,226.23)	-	-
Grandfathered Charge Types								
28	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 3.66	\$ -	\$ 0.08	\$ 3.74	-	-
29	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ -	\$ -	\$ -	-	-
30	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$ -	\$ -	\$ (0.03)	\$ (0.03)	-	-
31	TOTAL		\$ 3.66	\$ -	\$ 0.05	\$ 3.71	-	-
32	TOTAL SPP CHARGES		\$ 6,601.48	\$ (228,513.59)	\$ (183.99)	\$ (222,096.10)	2,418	-
33	Net SPP Charges for Retail = (B) + (C) + (D)			\$ (222,096.10)				
34	Net KWH for retail = ((F) + (G)) * 1,000						2,417,622	
35	June 2018 covers time period of 5/24/18 - 06/21/2018							** (F) and (G) increased for losses of 2.8%
36	SPP Book Totals		\$ (221,912.11)	2,417,622				
37	Adjustments		\$ (183.99)	-				
38	Total SPP		\$ (222,096.10)	2,417,622				

