

Otter Tail Power Company
 Calculation of Fuel Clause Adjustments for Bill Adjustments and WN Sales

11) Fuel Adj

* Fuel costs associated with the Bill Adjusted kWh and Weather Normalized kWh

Bill Adjustments

Month	COSSgrp	Bill Adj kWh	Monthly COE rate:	Bill Adj fuel adj
1	01_RES	0	\$0.02030	\$0.00000
2	01_RES	0	\$0.02402	\$0.00000
3	01_RES	0	\$0.02825	\$0.00000
4	01_RES	0	\$0.02955	\$0.00000
5	01_RES	0	\$0.02730	\$0.00000
6	01_RES	0	\$0.02470	\$0.00000
7	01_RES	0	\$0.02339	\$0.00000
8	01_RES	0	\$0.02203	\$0.00000
9	01_RES	1109	\$0.02446	\$27.12614
10	01_RES	1	\$0.02453	\$0.02453
11	01_RES	27422	\$0.02556	\$700.90632
12	01_RES	-2835	\$0.02314	-\$65.60190
1	08_CSW	0	\$0.02030	\$0.00000
2	08_CSW	0	\$0.02402	\$0.00000
3	08_CSW	0	\$0.02825	\$0.00000
4	08_CSW	0	\$0.02955	\$0.00000
5	08_CSW	0	\$0.02730	\$0.00000
6	08_CSW	0	\$0.02470	\$0.00000
7	08_CSW	0	\$0.02339	\$0.00000
8	08_CSW	0	\$0.02203	\$0.00000
9	08_CSW	0	\$0.02446	\$0.00000
10	08_CSW	0	\$0.02453	\$0.00000
11	08_CSW	-54	\$0.02556	-\$1.38024
12	08_CSW	703	\$0.02314	\$16.26742
1	09_CSI	0	\$0.02030	\$0.00000
2	09_CSI	0	\$0.02402	\$0.00000
3	09_CSI	0	\$0.02825	\$0.00000
4	09_CSI	0	\$0.02955	\$0.00000
5	09_CSI	0	\$0.02730	\$0.00000
6	09_CSI	0	\$0.02470	\$0.00000
7	09_CSI	0	\$0.02339	\$0.00000
8	09_CSI	0	\$0.02203	\$0.00000
9	09_CSI	0	\$0.02446	\$0.00000
10	09_CSI	0	\$0.02453	\$0.00000
11	09_CSI	0	\$0.02556	\$0.00000
12	09_CSI	-1011	\$0.02314	-\$23.39454
1	10_CSD	0	\$0.02030	\$0.00000
2	10_CSD	0	\$0.02402	\$0.00000
3	10_CSD	0	\$0.02825	\$0.00000
4	10_CSD	0	\$0.02955	\$0.00000
5	10_CSD	0	\$0.02730	\$0.00000
6	10_CSD	0	\$0.02470	\$0.00000
7	10_CSD	5	\$0.02339	\$0.11695
8	10_CSD	0	\$0.02203	\$0.00000
9	10_CSD	0	\$0.02446	\$0.00000
10	10_CSD	0	\$0.02453	\$0.00000
11	10_CSD	0	\$0.02556	\$0.00000
12	10_CSD	0	\$0.02314	\$0.00000
1	02_FAR	0	\$0.02030	\$0.00000
2	02_FAR	0	\$0.02402	\$0.00000
3	02_FAR	0	\$0.02825	\$0.00000
4	02_FAR	0	\$0.02955	\$0.00000
5	02_FAR	0	\$0.02730	\$0.00000
6	02_FAR	9	\$0.02470	\$0.22230
7	02_FAR	0	\$0.02339	\$0.00000
8	02_FAR	3	\$0.02203	\$0.06609
9	02_FAR	0	\$0.02446	\$0.00000
10	02_FAR	45	\$0.02453	\$1.10385
11	02_FAR	-27	\$0.02556	-\$0.69012
12	02_FAR	1485	\$0.02314	\$34.36290
1	09_CSI	0	\$0.02030	\$0.00000
2	09_CSI	0	\$0.02402	\$0.00000
3	09_CSI	0	\$0.02825	\$0.00000
4	09_CSI	0	\$0.02955	\$0.00000
5	09_CSI	0	\$0.02730	\$0.00000

Billing Adjustments - Fuel Adj

Row Labels	Sum of Bill Adj fuel adj
01_RES	\$ 662.46
02_FAR	\$ 35.07
03_GS	\$ 1,584.36
06_LGH	\$ (76.08)
07_OPA	\$ (13.75)
08_CSW	\$ 14.89
09_CSI	\$ (14.91)
10_CSD	\$ (12.80)
Grand Total	\$ 2,179.22

Weather Normalization Fuel Adjustment

Row Labels	Month	Sum of Adjusted kWh	COSS	WN fuel Adj
01_Residential	1	384,773	01_Residential	\$7,810.89
01_Residential	2	1,818,830	01_Residential	\$43,688.30
01_Residential	3	(147,721)	01_Residential	-\$4,173.12
01_Residential	4	122,002	01_Residential	\$3,605.15
01_Residential	5	246,637	01_Residential	\$6,733.18
01_Residential	6	(361,002)	01_Residential	-\$8,916.75
01_Residential	7	(205,174)	01_Residential	-\$4,799.01
01_Residential	8	1,581,876	01_Residential	\$34,848.73
01_Residential	9	(43,317)	01_Residential	-\$1,059.54
01_Residential	10	177,141	01_Residential	\$4,345.26
01_Residential	11	(418,354)	01_Residential	-\$10,693.12
01_Residential	12	(290,017)	01_Residential	-\$6,710.99
02_Farm	1	17,711	02_Farm	\$359.54
02_Farm	2	91,117	02_Farm	\$2,188.63
02_Farm	3	(6,637)	02_Farm	-\$187.50
02_Farm	4	4,224	02_Farm	\$124.82
02_Farm	5	1,718	02_Farm	\$46.91
02_Farm	6	435	02_Farm	\$10.74
02_Farm	7	1,559	02_Farm	\$36.47
02_Farm	8	10	02_Farm	\$0.23
02_Farm	9	3,464	02_Farm	\$84.74
02_Farm	10	5,862	02_Farm	\$143.79
02_Farm	11	(30,953)	02_Farm	-\$791.15
02_Farm	12	(17,849)	02_Farm	-\$413.03
03_General Service	1	129,377	03_General Service	\$2,626.36
03_General Service	2	748,351	03_General Service	\$17,975.38
03_General Service	3	(56,515)	03_General Service	-\$1,596.55
03_General Service	4	51,289	03_General Service	\$1,515.58
03_General Service	5	98,971	03_General Service	\$2,701.92
03_General Service	6	(128,775)	03_General Service	-\$3,180.74
03_General Service	7	(73,510)	03_General Service	-\$1,719.41
03_General Service	8	614,169	03_General Service	\$13,530.15
03_General Service	9	(9,353)	03_General Service	-\$228.76
03_General Service	10	77,920	03_General Service	\$1,911.37
03_General Service	11	(193,338)	03_General Service	-\$4,941.72
03_General Service	12	(114,621)	03_General Service	-\$2,652.32
04_Large General Service	1	102,717	04_Large General Service	\$2,085.15
04_Large General Service	2	617,246	04_Large General Service	\$14,826.25
04_Large General Service	3	(49,488)	04_Large General Service	-\$1,398.04
04_Large General Service	4	38,618	04_Large General Service	\$1,141.17
04_Large General Service	5	17,399	04_Large General Service	\$474.99
04_Large General Service	6	4,376	04_Large General Service	\$108.09
04_Large General Service	7	14,774	04_Large General Service	\$345.57
04_Large General Service	8	126	04_Large General Service	\$2.77
04_Large General Service	9	38,212	04_Large General Service	\$934.65
04_Large General Service	10	58,240	04_Large General Service	\$1,428.63
04_Large General Service	11	(165,359)	04_Large General Service	-\$4,226.58
04_Large General Service	12	(81,758)	04_Large General Service	-\$1,891.87
05_Irrigation	1	-	05_Irrigation	\$0.00
05_Irrigation	2	-	05_Irrigation	\$0.00
05_Irrigation	3	-	05_Irrigation	\$0.00
05_Irrigation	4	-	05_Irrigation	\$0.00
05_Irrigation	5	3,955	05_Irrigation	\$107.97
05_Irrigation	6	(6,363)	05_Irrigation	-\$157.17
05_Irrigation	7	(3,634)	05_Irrigation	-\$84.99
05_Irrigation	8	27,590	05_Irrigation	\$607.80
05_Irrigation	9	(2,162)	05_Irrigation	-\$52.88
05_Irrigation	10	-	05_Irrigation	\$0.00
05_Irrigation	11	-	05_Irrigation	\$0.00
05_Irrigation	12	-	05_Irrigation	\$0.00
06_Lighting	1	-	06_Lighting	\$0.00
06_Lighting	2	-	06_Lighting	\$0.00
06_Lighting	3	-	06_Lighting	\$0.00
06_Lighting	4	-	06_Lighting	\$0.00
06_Lighting	5	-	06_Lighting	\$0.00

Month	Monthly COE rate:
1	\$0.02030
2	\$0.02402
3	\$0.02825
4	\$0.02955
5	\$0.02730
6	\$0.02470
7	\$0.02339
8	\$0.02203
9	\$0.02446
10	\$0.02453
11	\$0.02556
12	\$0.02314

Row Labels	Sum of WN Fuel Adj
01_Residential	\$ 64,678.94
02_Farm	\$ 1,604.07
03_General Service	\$ 25,941.12
04_Large General Service	\$ 13,830.94
05_Irrigation	\$ 420.77
06_Lighting	\$ -
07_OPA	\$ 974.45
08_Water Heating	\$ 259.32
09_Controlled - Interruptible	\$ 17,594.00
10_Controlled - Deferred	\$ 10,104.49
Grand Total	\$ 135,408.10

Otter Tail Power Company
 Calculation of Fuel Clause Adjustments for Bill Adjustments and WN Sales

11) Fuel Adj

* Fuel costs associated with the Bill Adjusted kWh and Weather Normalized kWh

Bill Adjustments				
Month	COSSgrp	Bill Adj kWh	Monthly COE rate:	Bill Adj fuel adj
6	09_CSI	0	\$0.02470	\$0.00000
7	09_CSI	0	\$0.02339	\$0.00000
8	09_CSI	0	\$0.02203	\$0.00000
9	09_CSI	0	\$0.02446	\$0.00000
10	09_CSI	110	\$0.02453	\$2.69830
11	09_CSI	123	\$0.02556	\$3.14388
12	09_CSI	114	\$0.02314	\$2.63796
1	10_CSD	0	\$0.02030	\$0.00000
2	10_CSD	0	\$0.02402	\$0.00000
3	10_CSD	0	\$0.02825	\$0.00000
4	10_CSD	0	\$0.02955	\$0.00000
5	10_CSD	0	\$0.02730	\$0.00000
6	10_CSD	0	\$0.02470	\$0.00000
7	10_CSD	0	\$0.02339	\$0.00000
8	10_CSD	0	\$0.02203	\$0.00000
9	10_CSD	0	\$0.02446	\$0.00000
10	10_CSD	0	\$0.02453	\$0.00000
11	10_CSD	0	\$0.02556	\$0.00000
12	10_CSD	-558	\$0.02314	-\$12.91212
1	06_LGH	-70	\$0.02030	-\$1.42100
2	06_LGH	-70	\$0.02402	-\$1.68140
3	06_LGH	-70	\$0.02825	-\$1.97750
4	06_LGH	-70	\$0.02955	-\$2.06850
5	06_LGH	-70	\$0.02730	-\$1.91100
6	06_LGH	-70	\$0.02470	-\$1.72900
7	06_LGH	-70	\$0.02339	-\$1.63730
8	06_LGH	-70	\$0.02203	-\$1.54210
9	06_LGH	-70	\$0.02446	-\$1.71220
10	06_LGH	-70	\$0.02453	-\$1.71710
11	06_LGH	-70	\$0.02556	-\$1.78920
12	06_LGH	-70	\$0.02314	-\$1.61980
1	03_GS	0	\$0.02030	\$0.00000
2	03_GS	0	\$0.02402	\$0.00000
3	03_GS	0	\$0.02825	\$0.00000
4	03_GS	0	\$0.02955	\$0.00000
5	03_GS	0	\$0.02730	\$0.00000
6	03_GS	0	\$0.02470	\$0.00000
7	03_GS	0	\$0.02339	\$0.00000
8	03_GS	0	\$0.02203	\$0.00000
9	03_GS	-76	\$0.02446	-\$1.85896
10	03_GS	-4764	\$0.02453	-\$116.86092
11	03_GS	1414	\$0.02556	\$36.14184
12	03_GS	1087	\$0.02314	\$25.15318
1	06_LGH	0	\$0.02030	\$0.00000
2	06_LGH	0	\$0.02402	\$0.00000
3	06_LGH	0	\$0.02825	\$0.00000
4	06_LGH	0	\$0.02955	\$0.00000
5	06_LGH	0	\$0.02730	\$0.00000
6	06_LGH	0	\$0.02470	\$0.00000
7	06_LGH	0	\$0.02339	\$0.00000
8	06_LGH	0	\$0.02203	\$0.00000
9	06_LGH	0	\$0.02446	\$0.00000
10	06_LGH	0	\$0.02453	\$0.00000
11	06_LGH	160	\$0.02556	\$4.08960
12	06_LGH	132	\$0.02314	\$3.05448
1	03_GS	0	\$0.02030	\$0.00000
2	03_GS	0	\$0.02402	\$0.00000
3	03_GS	0	\$0.02825	\$0.00000
4	03_GS	0	\$0.02955	\$0.00000
5	03_GS	0	\$0.02730	\$0.00000
6	03_GS	0	\$0.02470	\$0.00000
7	03_GS	0	\$0.02339	\$0.00000
8	03_GS	0	\$0.02203	\$0.00000
9	03_GS	0	\$0.02446	\$0.00000
10	03_GS	0	\$0.02453	\$0.00000

Weather Normalization Fuel Adjustment				
Row Labels	Month	Sum of Adjusted kWh	COSS	WN fuel Adj
06_Lighting	6	-	06_Lighting	\$0.00
06_Lighting	7	-	06_Lighting	\$0.00
06_Lighting	8	-	06_Lighting	\$0.00
06_Lighting	9	-	06_Lighting	\$0.00
06_Lighting	10	-	06_Lighting	\$0.00
06_Lighting	11	-	06_Lighting	\$0.00
06_Lighting	12	-	06_Lighting	\$0.00
07_OPA	1	4,980	07_OPA	\$101.10
07_OPA	2	26,819	07_OPA	\$644.20
07_OPA	3	(2,298)	07_OPA	-\$64.92
07_OPA	4	2,375	07_OPA	\$70.18
07_OPA	5	4,729	07_OPA	\$129.09
07_OPA	6	(6,190)	07_OPA	-\$152.90
07_OPA	7	(3,007)	07_OPA	-\$70.33
07_OPA	8	23,682	07_OPA	\$521.71
07_OPA	9	(393)	07_OPA	-\$9.61
07_OPA	10	3,168	07_OPA	\$77.70
07_OPA	11	(6,752)	07_OPA	-\$172.59
07_OPA	12	(4,289)	07_OPA	-\$99.24
08_Water Heating	1	2,263	08_Water Heating	\$45.94
08_Water Heating	2	10,879	08_Water Heating	\$261.31
08_Water Heating	3	(969)	08_Water Heating	-\$27.38
08_Water Heating	4	842	08_Water Heating	\$24.87
08_Water Heating	5	845	08_Water Heating	\$23.07
08_Water Heating	6	77	08_Water Heating	\$1.90
08_Water Heating	7	251	08_Water Heating	\$5.88
08_Water Heating	8	2	08_Water Heating	\$0.04
08_Water Heating	9	585	08_Water Heating	\$14.31
08_Water Heating	10	1,030	08_Water Heating	\$25.27
08_Water Heating	11	(3,005)	08_Water Heating	-\$76.81
08_Water Heating	12	(1,682)	08_Water Heating	-\$38.91
09_Controlled - Interruptible	1	165,693	09_Controlled - Interruptible	\$3,363.56
09_Controlled - Interruptible	2	801,956	09_Controlled - Interruptible	\$19,262.99
09_Controlled - Interruptible	3	(66,351)	09_Controlled - Interruptible	-\$1,874.42
09_Controlled - Interruptible	4	38,908	09_Controlled - Interruptible	\$1,149.74
09_Controlled - Interruptible	5	29,631	09_Controlled - Interruptible	\$808.92
09_Controlled - Interruptible	6	(20,552)	09_Controlled - Interruptible	-\$507.65
09_Controlled - Interruptible	7	(8,120)	09_Controlled - Interruptible	-\$189.92
09_Controlled - Interruptible	8	70,835	09_Controlled - Interruptible	\$1,560.50
09_Controlled - Interruptible	9	1,659	09_Controlled - Interruptible	\$40.58
09_Controlled - Interruptible	10	27,184	09_Controlled - Interruptible	\$666.83
09_Controlled - Interruptible	11	(150,075)	09_Controlled - Interruptible	-\$3,835.91
09_Controlled - Interruptible	12	(123,224)	09_Controlled - Interruptible	-\$2,851.40
10_Controlled - Deferred	1	82,407	10_Controlled - Deferred	\$1,672.87
10_Controlled - Deferred	2	475,515	10_Controlled - Deferred	\$11,421.86
10_Controlled - Deferred	3	(34,335)	10_Controlled - Deferred	-\$969.96
10_Controlled - Deferred	4	15,986	10_Controlled - Deferred	\$472.39
10_Controlled - Deferred	5	5,658	10_Controlled - Deferred	\$154.45
10_Controlled - Deferred	6	(2,895)	10_Controlled - Deferred	-\$71.51
10_Controlled - Deferred	7	222	10_Controlled - Deferred	\$5.19
10_Controlled - Deferred	8	8,259	10_Controlled - Deferred	\$181.95
10_Controlled - Deferred	9	2,624	10_Controlled - Deferred	\$64.20
10_Controlled - Deferred	10	11,633	10_Controlled - Deferred	\$285.36
10_Controlled - Deferred	11	(64,231)	10_Controlled - Deferred	-\$1,641.75
10_Controlled - Deferred	12	(63,550)	10_Controlled - Deferred	-\$1,470.55

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11) Fuel Adj

* Fuel costs associated with the Bill Adjusted kWh and Weather Normalized kWh

Bill Adjustments				
Month	COSSgrp	Bill Adj kWh	Monthly COE rate:	Bill Adj fuel adj
11	03_GS	0	\$0.02556	\$0.00000
12	03_GS	70950	\$0.02314	\$1,641.78300
1	06_LGH	-210	\$0.02030	-\$4.26300
2	06_LGH	-210	\$0.02402	-\$5.04420
3	06_LGH	-210	\$0.02825	-\$5.93250
4	06_LGH	-210	\$0.02955	-\$6.20550
5	06_LGH	-210	\$0.02730	-\$5.73300
6	06_LGH	-210	\$0.02470	-\$5.18700
7	06_LGH	-210	\$0.02339	-\$4.91190
8	06_LGH	-210	\$0.02203	-\$4.62630
9	06_LGH	-210	\$0.02446	-\$5.13660
10	06_LGH	-210	\$0.02453	-\$5.15130
11	06_LGH	-210	\$0.02556	-\$5.36760
12	06_LGH	-210	\$0.02314	-\$4.85940
1	07_OPA	0	\$0.02030	\$0.00000
2	07_OPA	0	\$0.02402	\$0.00000
3	07_OPA	0	\$0.02825	\$0.00000
4	07_OPA	0	\$0.02955	\$0.00000
5	07_OPA	0	\$0.02730	\$0.00000
6	07_OPA	0	\$0.02470	\$0.00000
7	07_OPA	0	\$0.02339	\$0.00000
8	07_OPA	0	\$0.02203	\$0.00000
9	07_OPA	0	\$0.02446	\$0.00000
10	07_OPA	0	\$0.02453	\$0.00000
11	07_OPA	-538	\$0.02556	-\$13.75128
12	07_OPA	0	\$0.02314	\$0.00000

Weather Normalization Fuel Adjustment				
Row Labels	Month	Sum of Adjusted kWh	COSS	WN fuel Adj