



NORTH DAKOTA
RATE CASE
2023

Otter Tail Power Company
Before the
North Dakota Public Service Commission

Application for Authority to
Increase Electric Rates in North Dakota
Case No. PU-23

November 2, 2023

Volume 4B
Lead Lag Study



**Otter Tail Power Company
Working Capital Analysis
Summary of Lead Times from Date of Service to Receipt of Payment**

	(A)	(B)	(C)	(D)
Line No.		Revenue for Year 2020	Lead Days (Svc to Collection)	Dollar Days
1	Computer Maintained Billings*	291,913,035 (1)	39.8 (2)	11,626,896,179
2				
3	Manually Maintained Billings	52,479,241	26.7 (3)	1,401,195,738
4				
5	Cost of Energy Adjustment	42,521,551	128.7 (11)	5,472,523,614
6				
7	Sales for Resale	4,843,831	19.9 (5)	96,150,045
8				
9	Rent From Electric Property (4110.4540)	814,436 (4)	(63.3) (4)	(51,529,370)
10				
11	Other Electric Revenue - Misc (4110.4560)	3,810,300 (6)	40.4 (6)	153,783,694
12				
13	MISO Tarriff Revenue (4110.4562)	42,060,607 (7)	29.2 (7)	1,229,010,937
14				
15	Integrated Transmission Deficiency Pymts (4110.4563)	1,030,746 (8)	27.5 (8)	28,345,515
16				
17	Other Electric Revenue - Wheeling (4110.4561)	428,755 (9)	39.3 (9)	16,837,209
18				
19	Other Electric Revenue - Load Control/Disp. (4110.4566)	1,346,161 (10)	16.0 (10)	21,538,576
20				
21	Subtotal of 4566 & 4562 for COSS	43,406,768	28.8	1,250,549,513
22				
	Totals	441,248,663	45.3	19,994,752,136

- (1) Date of Svc-to-Pmt Day Analysis.xls Page 2 of 3
- (2) Date of Svc-to-Pmt Day Analysis.xls Page 3 of 3
- (3) Revenue - Manual Billings.xls Page 1 of 15
- (4) Rent Revenue From Electric Property.xls Page 1 of 9
- (5) Sales for Resale Summary.xls Page 1 of 2
- (6) Other Electric Rev - Misc.xls Page 1 of 3
- (7) MISO Tariff Revenue.xls Page 1 of 2, Financial Statement Balance
- (8) Summary of Deficiency Revenue.xls Page 1 of 4
- (9) Wheeling Revenues.xls Page 1 of 5
- (10) Load Control-Dispatching Revenue.xls Page 1 of 4
- (11) Revenue - Cost of Energy Adj.xls Page 1 of 3
- (12) Per FERC Form 1 Page 301
- (13) Per COSS Workpaper B-1
- (14) Difference Per COSS Workpaper B-3
- (15) UI 2020 Actual SD COSS - Normalized, COSS-NOI-Total Company Adjusted

Reconciliation to Financial Statements:	
Total from Above	441,248,663
Unbilled Revenue	298,262 (12)
MN Provision for Customer Refunds	0 (18)
Ties to 12/31/20 Financial Statements	441,546,925
Page 5 Line 4	-
Reconciliation to COSS:	
Total from Above	441,248,663
Unbilled Revenue included in COSS	298,262 (13)
Loan Pool Interest	417 (15)
COSS Late Fees Adjustment	2,680 (14)
Rider Removal and Normalizing COSS Adj	(1,273,757) (15)
Ties to 12/31/20 COSS Revenue	440,276,265
Rounding	-

* Computer Billings includes amounts from accounts 4110.4500 thru 4110-4521; Late Charges, Service Revenues, and Connection Chgs.

**Otter Tail Power Company
Separation of COE Adjustment Revenues from Computer & Manual
Billed Revenues, and Sales for Resale Revenues**

	(A)	(B)	(C)	(D)
Line No.	Description of Revenues	Revenue Including COE Adj	Add Back COE Adj.	Totals
1	Computer Maintained Billings	327,943,639 (1)	(36,030,604) (4)	291,913,035
2				
3	Manually Maintained Billings	58,956,714 (1)	(6,477,473) (4)	52,479,241
4				
5	Cost of Energy Adjustment	0	42,521,551 (3)	42,521,551
6				
7	Sales for Resale	4,857,305 (2)	(13,474) (3)	4,843,831
8				
9		391,757,658	0	391,757,658 (5)

(1) Bill-to-Collection Days Analysis Page 1

(2) FERC Form 1 Page 300; Sales for Resale Summary Worksheet Page 1

(3) Revenue - Cost of Energy Adj Page 1

(4)

Total COE Adjustment		(42,521,551)
Less: Amount for FERC Related Sales (Sales for Resale)		13,474
Amount to be allocated to Computer and Manual Billings		<u>(42,508,077)</u>

Allocation Based on Revenue	327,943,639	(36,030,604)
Ratio Between Computer and Manual	<u>58,956,714</u>	<u>(6,477,473)</u>
	386,900,353	(42,508,077)

(5) Ties to FERC Form 1 Page 300 Line 12 + Line 16 + Line 17 - Unbilled Rev Amount Listed on Page 301 of FERC Form 1

391,221,703
484,284
349,933
<u>(298,262)</u>
391,757,658

**Otter Tail Power Company
Calculation of Days from Service to Collection
Computer Maintained Billings
2020**

	(A)	(B)	(C)
Line No.			
1	Service Period to Date Meter is Read	(366 / 12 / 2)	15.3
2			
3	Read Date to Date Billing is Prepared		5.1 (1)
4			
5	Billing Date to Date Collection is Received		19.48 (2)
6			
7	Total		39.8
8			

- (1) Read-to-Bill Days Analysis.xls Page 1
- (2) Bill-to-Collection Days Analysis.xls Page 1

**Otter Tail Power Company
Working Capital Analysis
Calculation of Lead Days from Billing Date to Date Collection is Received
Actual Year 2020**

	(A)	(B)	(C)	(D)	(E)
Line No.		Alloc Factor	Revenue	Lead Days	Dollar Days
1	Computer Maintained Billings	0.84762	327,943,639 (1)	17.72 (6)	5,810,337,713 (5)
2					
3	Manually Maintained Billings	0.15238	58,956,714 (1)	26.70 (4)	1,574,144,264 (3)
4					
5	Total	1.00000	386,900,353 (1)	19.09 (2)	7,384,481,977 (3)

(1) Page 5 of 12

(2) Page 2 of 12

(3) Total Revenue X Lead Days

(4) Revenue - Manual Billings; Page 1 of 12

(5) Total Billings \$ Days 7,384,481,977 less manual 1,574,144,264 = 5,810,337,713

(6) Dollar Days / Revenue

**Otter Tail Power Company
Working Capital Analysis
Actual Year 2020**

(A) (B) (C) (D)

Line No.		Days A/R	Dollar Days A/R	
1	January	22	548,233,753	(1)
2	February	20	543,467,736	
3	March	22	550,996,924	
4	April	22	555,750,195	
5	May	20	472,328,033	
6	June	22	441,206,851	
7	July	22	484,320,539	
8	August	21	499,896,799	
9	September	21	488,663,247	
10	October	22	475,337,832	
11	November	19	371,900,092	
12	December	21	412,526,918	
13				
14	Total	254	5,844,628,918	
15				
16	Average Daily Balance		23,010,350	
17				
18				
19				
20		Average Daily A/R Balance		
21		-----		=
22	Total Revenue Billed through average daily A/R / 365			Collection Lead Days
23				
24				
25		23,010,350	23,010,350	= 19.09
26		441,248,663 / 366	1,205,597	
		(2)		

(1) Page 3 of 12
(2) Date of Svc-to-Pmt Days Analysis.xls, Summary of Lead Times Tab

Otter Tail Power Company
Working Capital Analysis
Daily Accounts Receivable Balance
Actual Year 2020

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)
Line No.	January		February		March		April		May		June	
1	01/02/20	26,428,784.00	02/03/20	25,195,550.62	03/02/20	25,224,213.94	04/01/20	23,677,533.78	05/01/20	22,603,132.22	06/01/20	21,911,274.81
2	01/03/20	21,282,657.46	02/04/20	24,631,063.10	03/03/20	23,370,538.27	04/02/20	22,789,100.67	05/04/20	23,542,236.78	06/02/20	19,883,026.03
3	01/06/20	22,644,664.26	02/05/20	27,270,515.75	03/04/20	24,670,284.95	04/03/20	23,503,724.28	05/05/20	24,226,606.20	06/03/20	20,598,029.54
4	01/07/20	21,967,841.75	02/06/20	28,108,624.54	03/05/20	26,504,670.05	04/06/20	25,387,867.59	05/06/20	25,025,212.75	06/04/20	21,403,453.40
5	01/08/20	23,222,087.32	02/07/20	27,885,932.22	03/06/20	26,038,336.52	04/07/20	30,477,401.52	05/07/20	25,039,942.69	06/05/20	21,794,551.17
6	01/09/20	23,739,407.36	02/10/20	31,290,718.38	03/09/20	26,121,522.13	04/08/20	30,904,763.39	05/08/20	25,153,417.52	06/08/20	25,478,470.72
7	01/10/20	29,635,692.67	02/11/20	29,783,438.36	03/10/20	28,236,048.04	04/09/20	31,161,476.96	05/11/20	26,843,641.13	06/09/20	24,707,338.58
8	01/13/20	29,847,693.96	02/12/20	29,672,468.04	03/11/20	28,566,200.76	04/10/20	31,237,442.78	05/12/20	30,561,293.55	06/10/20	24,985,998.01
9	01/14/20	28,100,648.13	02/13/20	30,440,056.12	03/12/20	26,759,299.94	04/13/20	31,009,033.32	05/13/20	27,085,592.42	06/11/20	24,474,468.75
10	01/15/20	26,297,675.76	02/14/20	29,765,321.46	03/13/20	26,565,046.51	04/14/20	24,662,351.23	05/14/20	24,345,000.17	06/12/20	24,868,026.14
11	01/16/20	24,659,350.21	02/17/20	27,437,277.98	03/16/20	25,994,598.84	04/15/20	25,133,106.39	05/15/20	24,080,759.36	06/15/20	20,927,125.44
12	01/17/20	24,074,630.27	02/18/20	27,895,524.66	03/17/20	25,803,878.01	04/16/20	25,244,916.40	05/18/20	23,861,207.15	06/16/20	18,909,773.31
13	01/20/20	23,893,455.63	02/19/20	27,154,729.84	03/18/20	25,730,526.54	04/17/20	24,635,110.65	05/19/20	21,341,080.13	06/17/20	19,167,548.67
14	01/21/20	24,513,595.28	02/20/20	26,258,653.11	03/19/20	24,484,981.07	04/20/20	24,866,977.32	05/20/20	21,556,716.54	06/18/20	18,902,087.69
15	01/22/20	23,792,374.53	02/21/20	26,514,597.82	03/20/20	24,243,480.29	04/21/20	22,680,232.60	05/21/20	21,307,481.22	06/19/20	19,033,702.21
16	01/23/20	24,672,357.77	02/24/20	26,961,804.58	03/23/20	22,347,289.70	04/22/20	22,656,059.88	05/22/20	22,251,614.19	06/22/20	19,168,425.27
17	01/24/20	25,253,790.50	02/25/20	24,339,529.48	03/24/20	22,960,528.97	04/23/20	23,916,467.46	05/26/20	21,975,804.79	06/23/20	18,134,611.31
18	01/27/20	25,172,293.89	02/26/20	24,677,571.44	03/25/20	23,129,290.13	04/24/20	23,037,971.75	05/27/20	20,045,732.42	06/24/20	18,356,954.87
19	01/28/20	23,849,089.49	02/27/20	23,880,245.65	03/26/20	23,842,332.66	04/27/20	23,141,657.44	05/28/20	20,619,551.18	06/25/20	19,281,022.91
20	01/29/20	24,346,788.75	02/28/20	24,304,112.77	03/27/20	23,733,958.64	04/28/20	21,850,413.48	05/29/20	20,862,010.43	06/26/20	19,178,261.59
21	01/30/20	24,678,557.72			03/30/20	24,294,195.53	04/29/20	22,428,673.12			06/29/20	0.00
22	01/31/20	26,160,315.85			03/31/20	24,375,702.94	04/30/20	21,347,912.60			06/30/20	20,042,700.49
23												
24												
25	22	548,233,752.56	20	543,467,735.92	22	550,996,924.43	22	555,750,194.61	20	472,328,032.84	22	441,206,850.91
26												
27												
28	July		August		September		October		November		December	
29	07/01/20	19,376,873.95	08/03/20	22,867,549.24	09/01/20	21,471,068.05	10/01/20	21,226,949.83	11/02/20	19,220,153.49	12/01/20	17,646,520.75
30	07/02/20	19,237,467.58	08/04/20	22,460,977.05	09/02/20	22,476,970.13	10/02/20	20,273,470.83	11/03/20	19,245,073.32	12/02/20	18,978,011.73
31	07/06/20	19,100,645.00	08/05/20	24,489,135.74	09/03/20	25,002,463.06	10/05/20	21,089,646.62	11/04/20	21,038,727.04	12/03/20	20,655,335.49
32	07/07/20	20,102,683.61	08/06/20	25,683,327.03	09/04/20	24,983,557.77	10/06/20	25,664,041.01	11/05/20	21,246,977.39	12/04/20	21,003,705.00
33	07/08/20	20,885,432.36	08/07/20	25,027,352.96	09/08/20	25,778,258.93	10/07/20	26,224,009.41	11/06/20	25,520,537.91	12/07/20	21,244,906.13
34	07/09/20	25,327,676.40	08/10/20	25,645,269.14	09/09/20	25,910,326.22	10/08/20	26,011,793.70	11/09/20	21,588,260.45	12/08/20	20,133,798.40
35	07/10/20	24,562,005.91	08/11/20	28,033,758.45	09/10/20	26,442,532.42	10/09/20	22,721,278.05	11/10/20	20,455,509.87	12/09/20	20,451,556.36
36	07/13/20	23,698,368.45	08/12/20	28,190,239.44	09/11/20	26,108,292.99	10/12/20	22,899,372.47	11/12/20	21,289,105.24	12/10/20	25,301,691.16
37	07/14/20	21,908,703.94	08/13/20	27,086,383.74	09/14/20	25,697,840.46	10/13/20	23,309,471.73	11/13/20	20,028,548.90	12/11/20	21,400,366.09
38	07/15/20	23,043,008.65	08/14/20	24,717,870.46	09/15/20	23,694,052.05	10/14/20	22,167,471.29	11/16/20	20,397,436.07	12/14/20	21,690,031.63
39	07/16/20	23,263,401.37	08/17/20	24,623,546.10	09/16/20	23,965,425.98	10/15/20	22,444,919.42	11/17/20	17,852,393.10	12/15/20	18,940,689.09
40	07/17/20	23,263,401.37	08/18/20	21,811,079.72	09/17/20	23,892,772.00	10/16/20	21,940,584.02	11/18/20	18,195,309.08	12/16/20	18,544,041.76
41	07/20/20	22,464,658.36	08/19/20	21,873,278.67	09/18/20	24,035,773.32	10/19/20	21,646,584.30	11/19/20	18,228,611.40	12/17/20	19,205,665.67
42	07/21/20	21,831,019.11	08/20/20	22,027,743.00	09/21/20	23,301,523.42	10/20/20	19,878,989.62	11/20/20	18,330,491.16	12/18/20	18,932,532.50
43	07/22/20	19,850,168.99	08/21/20	22,529,851.48	09/22/20	20,024,978.02	10/21/20	20,089,794.29	11/23/20	18,708,094.81	12/21/20	19,296,650.38
44	07/23/20	21,777,316.36	08/24/20	23,317,828.26	09/23/20	20,977,597.65	10/22/20	20,227,071.02	11/24/20	17,173,990.11	12/22/20	17,761,747.84
45	07/24/20	22,721,114.18	08/25/20	20,775,675.37	09/24/20	20,670,966.27	10/23/20	20,674,894.92	11/25/20	18,105,210.65	12/23/20	17,924,236.76
46	07/27/20	22,606,663.14	08/26/20	21,962,400.01	09/25/20	20,844,290.73	10/26/20	20,341,175.87	11/27/20	18,093,989.90	12/28/20	18,837,654.19
47	07/28/20	21,539,174.24	08/27/20	21,374,802.11	09/28/20	20,932,249.57	10/27/20	18,471,764.25	11/30/20	17,181,671.97	12/29/20	17,348,255.30
48	07/29/20	22,127,262.34	08/28/20	21,889,773.45	09/29/20	20,490,176.16	10/28/20	18,841,070.65			12/30/20	18,145,334.81
49	07/30/20	22,248,831.95	08/31/20	23,508,958.00	09/30/20	21,962,131.60	10/29/20	18,987,990.29			12/31/20	19,084,186.87
50	07/31/20	23,384,661.46					10/30/20	20,205,488.18				
51												
52												
53	22	484,320,538.72	21	499,896,799.42	21	488,663,246.80	22	475,337,831.77	19	371,900,091.86	21	412,526,917.91

**Otter Tail Power Company
Working Capital Analysis
Reconciliation of Customer Accounts Receivable
Actual Year 2020**

Line No.	(A)	(B)	(C)	(D)	(E)	
1		Balance Per F/S 12/20		18,686,422	(1)	
2		Provision for Uncollectible		3,003,687	(1)	
3		Total A/R Balance		21,690,109		(4)
4						
5		<u>Adjustments:</u>				
7		Reconcile		(3,527,455)		
		Minor difference		9,388		
8		Balance		18,172,042		
9		Total from Data Sheets (Page 6 of 6)		18,172,042		
10						
11	<u>The Following is from Dec 31 Detail Trial Balance from Accounting</u>					
12		(3), (4)				
13		Control	Reconcile	Div		Per Oracle JTPGL805 Report
14	Manual A/R	3,545,321				3,545,321
15	Unapplied Cash	(2,002,054)				(2,002,054)
25	Cayenta A/R	20,146,842				20,146,842
26	Balance	21,690,109	0	0		21,690,109
29						
30						
31		CU bal per AR Aging (CAY_AR_AGING_295T)		18,162,654		
32		Per Oracle OTPGL805 Report		21,690,109		
33		Difference (Accruals & Timing)		(3,527,455)		(3)

- (1) 12/31/20 Financial Statements
- (2) not used
- (3) See Trial Balance Worksheet for calc of reconciling items; Page 13
- (4) Total A/R balance does include EMP (Equal Monthly Pmt) amounts

**Otter Tail Power Company
Reconciliation of Revenue Report, Statistical Report, and FERC Form 1
Actual Year 2020**

Line No.	(A)	(B)	(C)	(D)	(E)
		KWH	Total Revenue	Computer Maintained Accts	Manually Maintained Accts
1					
2	Retail Electric Sales	4,787,587,254 (1)	392,232,309.71 (1)	333,625,763.95 (6)	58,606,545.76 (5)
3					
4	Less: Free Service (Company Use and Energy Furnished Without Charge)	7,500,293 (2)	0.00		
5		4,780,086,961	392,232,309.71	333,625,763.95	58,606,545.76
6					
7					
8					
9	Retail Electric Sales - Statistical Report	4,780,086,961 (3)	392,232,309.71 (3)	333,625,763.95	58,606,545.76
10					
11	Plus:				
12	Fuel Clause Adjustment Receivable - unbilled/(prepaid)		(7,202,156.73) (3)	(7,184,579.09)	(17,577.64) (10)
13	Renewable Resource Rider Revenue - unbilled/(prepaid)		1,582,948.19 (3)	1,208,771.79	374,176.40 (10)
14	Transmission Cost Recovery Rider Revenue - unbilled/(prepaid)		5,065,183.56 (3)	5,118,412.15	(53,228.59) (10)
15	Conservation Improvement Programs - unbilled/(prepaid)		(4,718,657.52) (3)	(4,733,069.05)	14,411.53 (10)
16	Energy-Intensive, Trade Exposed (EITE) Rider - unbilled/(prepaid)		(6,909.62) (3)	(18,487.96)	11,578.34 (10)
17	MN SPP unbilled/(prepaid)		665,174.81 (3)	665,174.81	- (10)
18	Generation Cost Recovery Rider Revenue unbilled/(prepaid)		(128,338.00) (3)	(140,496.51)	12,158.51 (10)
19	SD Phase In Rider Revenue unbilled/(prepaid)		(1,188,647.00) (3)	(1,197,296.70)	8,649.70 (10)
20	MN Rate Case Revenue Reduction		(234,772.62) (3)	(234,772.62)	- (10)
21					
22					
23					
24		4,780,086,961	386,066,134.78	327,109,420.77	58,956,714.01
25					
26					
27	Retail Electric Sales - FERC Form 1 (Rounded)	4,780,087,000 (8)	386,066,136.00 (9)	327,109,421.99	58,956,714.01
28					
29	Add: Other Revenue Billed with Retail Revenues				
30	FERC Acct 450 A/C 4110.4500 Late Charges		484,284.44 (4)	484,284.44 (7)	
31	A/C 4110.4510 Forfeited Discounts		- (4)	0.00 (7)	
32	FERC Acct 451 A/C 4110.4520 Service Revenues		27,260.18 (4)	27,260.18 (7)	
33	FERC Acct 451 A/C 4110.4521 Connect & Reconnect Fees		322,672.48 (4)	322,672.48 (7)	
34					
35	Total Revenue Billed as Retail		386,900,353.10	327,943,639.09	58,956,714.01
36					
37			100.00%	84.76%	15.24%

- (1) From 2020 CU Monthly Revenue and kWh workpaper, 2020 Summary tab
- (2) From 2020 CU Monthly Revenue and kWh workpaper, 2020 Summary tab
- (3) Ties to page 5 of Statistical Report 12/31/20; See Page 14
- (4) Found by running GLFire report for Dec. '20 for each acct; See Page 18
- (5) Work paper Excel file "Revenue - Manual Billings" Page 1
- (6) Total Revenue - Manually Billed Revenue
- (7) A/C 4110.4500 thru 4521 Billed by Computer
- (8) Ties to FERC Form 1, Page 301; Line 10 column d less unbilled MWH on page 301
- (9) Ties to FERC Form 1, Page 300; Line 10 column b less unbilled on page 301
- (10) From January 2021 manual billing invoices for December 2020 usage (See Manual Bill Adjustments supporting worksheet)

**Otter Tail Power Company
Input Schedule to Determine Total Daily A/R Balances**

(A)	(B)
Line No.	Total Daily A/R Balances
1	01/02/20 26,428,784.00
2	01/03/20 21,282,657.46
3	01/06/20 22,644,664.26
4	01/07/20 21,967,841.75
5	01/08/20 23,222,087.32
6	01/09/20 23,739,407.36
7	01/10/20 29,635,692.67
8	01/13/20 29,847,693.96
9	01/14/20 28,100,648.13
10	01/15/20 26,297,675.76
11	01/16/20 24,659,350.21
12	01/17/20 24,074,630.27
13	01/20/20 23,893,455.63
14	01/21/20 24,513,595.28
15	01/22/20 23,792,374.53
16	01/23/20 24,672,357.77
17	01/24/20 25,253,790.50
18	01/27/20 25,172,293.89
19	01/28/20 23,849,089.49
20	01/29/20 24,346,788.75
21	01/30/20 24,678,557.72
22	01/31/20 26,160,315.85
23	
24	22 \$ 548,233,752.56
25	
26	02/03/20 25,195,550.62
27	02/04/20 24,631,063.10
28	02/05/20 27,270,515.75
29	02/06/20 28,108,624.54
30	02/07/20 27,885,932.22
31	02/10/20 31,290,718.38
32	02/11/20 29,783,438.36
33	02/12/20 29,672,468.04
34	02/13/20 30,440,056.12
35	02/14/20 29,765,321.46
36	02/17/20 27,437,277.98
37	02/18/20 27,895,524.66
38	02/19/20 27,154,729.84
39	02/20/20 26,258,653.11
40	02/21/20 26,514,597.82
41	02/24/20 26,961,804.58
42	02/25/20 24,339,529.48
43	02/26/20 24,677,571.44
44	02/27/20 23,880,245.65
45	02/28/20 24,304,112.77
46	20 \$ 543,467,735.92

**Otter Tail Power Company
Input Schedule to Determine Total Daily A/R Balances**

(A)	(B)
Line No.	Total Daily A/R Balances
1	
2	03/02/20 25,224,213.94
3	03/03/20 23,370,538.27
4	03/04/20 24,670,284.95
5	03/05/20 26,504,670.05
6	03/06/20 26,038,336.52
7	03/09/20 26,121,522.13
8	03/10/20 28,236,048.04
9	03/11/20 28,566,200.76
10	03/12/20 26,759,299.94
11	03/13/20 26,565,046.51
12	03/16/20 25,994,598.84
13	03/17/20 25,803,878.01
14	03/18/20 23,730,526.54
15	03/19/20 24,484,981.07
16	03/20/20 24,243,480.29
17	03/23/20 22,347,289.70
18	03/24/20 22,960,528.97
19	03/25/20 23,129,290.13
20	03/26/20 23,842,332.66
21	03/27/20 23,733,958.64
22	03/30/20 24,294,195.53
23	03/31/20 24,375,702.94
24	
25	
26	22 \$ 550,996,924.43
27	
28	04/01/20 23,677,533.78
29	04/02/20 22,789,100.67
30	04/03/20 23,503,724.28
31	04/06/20 25,387,867.59
32	04/07/20 30,477,401.52
33	04/08/20 30,904,763.39
34	04/09/20 31,161,476.96
35	04/10/20 31,237,442.78
36	04/13/20 31,009,033.32
37	04/14/20 24,662,351.23
38	04/15/20 25,133,106.39
39	04/16/20 25,244,916.40
40	04/17/20 24,635,110.65
41	04/20/20 24,866,977.32
42	04/21/20 22,680,232.60
43	04/22/20 22,656,059.88
44	04/23/20 23,916,467.46
45	04/24/20 23,037,971.75
46	04/27/20 23,141,657.44
47	04/28/20 21,850,413.48
48	04/29/20 22,428,673.12
49	04/30/20 21,347,912.60
50	
51	22 \$ 555,750,194.61

Otter Tail Power Company
Input Schedule to Determine Total Daily A/R Balances

(A)	(B)
Line No.	Total Daily A/R Balances
1	
2	05/01/20 22,603,132.22
3	05/04/20 23,542,236.78
4	05/05/20 24,226,606.20
5	05/06/20 25,025,212.75
6	05/07/20 25,039,942.69
7	05/08/20 25,153,417.52
8	05/11/20 26,843,641.13
9	05/12/20 30,561,293.55
10	05/13/20 27,085,592.42
11	05/14/20 24,345,000.17
12	05/15/20 24,080,759.36
13	05/18/20 23,861,207.15
14	05/19/20 21,341,080.13
15	05/20/20 21,556,716.54
16	05/21/20 21,307,481.22
17	05/22/20 22,251,614.19
18	05/26/20 21,975,804.79
19	05/27/20 20,045,732.42
20	05/28/20 20,619,551.18
21	05/29/20 20,862,010.43
22	
23	
24	20 \$ 472,328,032.84
25	
26	06/01/20 21,911,274.81
27	06/02/20 19,883,026.03
28	06/03/20 20,598,029.54
29	06/04/20 21,403,453.40
30	06/05/20 21,794,551.17
31	06/08/20 25,478,470.72
32	06/09/20 24,707,338.58
33	06/10/20 24,985,998.01
34	06/11/20 24,474,468.75
35	06/12/20 24,868,026.14
36	06/15/20 20,927,125.44
37	06/16/20 18,909,773.31
38	06/17/20 19,167,548.67
39	06/18/20 18,902,087.69
40	06/19/20 19,033,702.21
41	06/22/20 19,168,425.27
42	06/23/20 18,134,611.31
43	06/24/20 18,356,954.87
44	06/25/20 19,281,022.91
45	06/26/20 19,178,261.59
46	06/29/20 0.00
47	06/30/20 20,042,700.49
48	
49	22 \$ 441,206,850.91

Otter Tail Power Company
Input Schedule to Determine Total Daily A/R Balances

(A)	(B)
Line No.	Total Daily A/R Balances
1	
2	07/01/20 19,376,873.95
3	07/02/20 19,237,467.58
4	07/06/20 19,100,645.00
5	07/07/20 20,102,683.61
6	07/08/20 20,885,432.36
7	07/09/20 25,327,676.40
8	07/10/20 24,562,005.91
9	07/13/20 23,698,368.45
10	07/14/20 21,908,703.94
11	07/15/20 23,043,008.65
12	07/16/20 23,263,401.37
13	07/17/20 22,464,658.36
14	07/20/20 21,831,019.11
15	07/21/20 20,609,062.16
16	07/22/20 19,850,168.99
17	07/23/20 21,777,316.36
18	07/24/20 22,721,114.18
19	07/27/20 22,606,663.14
20	07/28/20 21,539,174.24
21	07/29/20 22,127,262.34
22	07/30/20 22,248,831.95
23	07/31/20 23,384,661.46
24	
25	22 \$ 458,281,538.05
26	
27	08/03/20 22,867,549.24
28	08/04/20 22,460,977.05
29	08/05/20 24,489,135.74
30	08/06/20 25,683,327.03
31	08/07/20 25,027,352.96
32	08/10/20 25,645,269.14
33	08/11/20 28,033,758.45
34	08/12/20 28,190,239.44
35	08/13/20 27,086,383.74
36	08/14/20 24,717,870.46
37	08/17/20 24,623,546.10
38	08/18/20 21,811,079.72
39	08/19/20 21,873,278.67
40	08/20/20 22,027,743.00
41	08/21/20 22,529,851.48
42	08/24/20 23,317,828.26
43	08/25/20 20,775,675.37
44	08/26/20 21,962,400.01
45	08/27/20 21,374,802.11
46	08/28/20 21,889,773.45
47	08/31/20 23,508,958.00
48	
49	
50	
51	
52	
53	21 \$ 499,896,799.42

Otter Tail Power Company
Input Schedule to Determine Total Daily A/R Balances

(A)	(B)
Line No.	Total Daily A/R Balances
1	
2	09/01/20 21,471,068.05
3	09/02/20 22,476,970.13
4	09/03/20 25,002,463.06
5	09/04/20 24,983,557.77
6	09/08/20 25,778,258.93
7	09/09/20 25,910,326.22
8	09/10/20 26,442,532.42
9	09/11/20 26,108,292.99
10	09/14/20 25,697,840.46
11	09/15/20 23,694,052.05
12	09/16/20 23,965,425.98
13	09/17/20 23,892,772.00
14	09/18/20 24,035,773.32
15	09/21/20 23,301,523.42
16	09/22/20 20,024,978.02
17	09/23/20 20,977,597.65
18	09/24/20 20,670,966.27
19	09/25/20 20,844,290.73
20	09/28/20 20,932,249.57
21	09/29/20 20,490,176.16
22	09/30/20 21,962,131.60
23	
24	
25	21 \$ 488,663,246.80
26	
27	10/01/20 21,226,949.83
28	10/02/20 20,273,470.83
29	10/05/20 21,089,646.62
30	10/06/20 25,664,041.01
31	10/07/20 26,224,009.41
32	10/08/20 26,011,793.70
33	10/09/20 22,721,278.05
34	10/12/20 22,899,372.47
35	10/13/20 23,309,471.73
36	10/14/20 22,167,471.29
37	10/15/20 22,444,919.42
38	10/16/20 21,940,584.02
39	10/19/20 21,646,584.30
40	10/20/20 19,878,989.62
41	10/21/20 20,089,794.29
42	10/22/20 20,227,071.02
43	10/23/20 20,674,894.92
44	10/26/20 20,341,175.87
45	10/27/20 18,471,764.25
46	10/28/20 18,841,070.65
47	10/29/20 18,987,990.29
48	10/30/20 20,205,488.18
49	
50	22

**Otter Tail Power Company
Input Schedule to Determine Total Daily A/R Balances**

(A)	(B)
Line No.	Total Daily A/R Balances
1	
2	11/02/20 19,220,153.49
3	11/03/20 19,245,073.32
4	11/04/20 21,038,727.04
5	11/05/20 21,246,977.39
6	11/06/20 25,520,537.91
7	11/09/20 21,588,260.45
8	11/10/20 20,455,509.87
9	11/12/20 21,289,105.24
10	11/13/20 20,028,548.90
11	11/16/20 20,397,436.07
12	11/17/20 17,852,393.10
13	11/18/20 18,195,309.08
14	11/19/20 18,228,611.40
15	11/20/20 18,330,491.16
16	11/23/20 18,708,094.81
17	11/24/20 17,173,990.11
18	11/25/20 18,105,210.65
19	11/27/20 18,093,989.90
20	11/30/20 17,181,671.97
21	
22	19 \$ 371,900,091.86
23	
24	12/01/20 17,646,520.75
25	12/02/20 18,978,011.73
26	12/03/20 20,655,335.49
27	12/04/20 21,003,705.00
28	12/07/20 21,244,906.13
29	12/08/20 20,133,798.40
30	12/09/20 20,451,556.36
31	12/10/20 25,301,691.16
32	12/11/20 21,400,366.09
33	12/14/20 21,690,031.63
34	12/15/20 18,940,689.09
35	12/16/20 18,544,041.76
36	12/17/20 19,205,665.67
37	12/18/20 18,932,532.50
38	12/21/20 19,296,650.38
39	12/22/20 17,761,747.84
40	12/23/20 17,924,236.76
41	12/28/20 18,837,654.19
42	12/29/20 17,348,255.30
43	12/30/20 18,145,334.81
44	12/31/20 19,084,186.87
45	1/4/2021 18,172,041.75
46	22 \$ 430,698,959.66

**Case No. PU-23-
Lead Lag Study**

2020 Lead-Lag Study
Bill-to-Collection Days Analysis
Page 12 of 15

Otter Tail Power Company
TRIAL BALANCE OF CUSTOMER'S ACCOUNTS RECEIVABLE - Account 1150 - all business units except 240,040
DECEMBER 2020

Cost Cntr	GENERAL LEDGER		Oracle	note 2	note 1	SUBSIDIARY				TOTAL	(O/S dep)	Non	Total	Net	Explanati
	General Ledger	CU BALANCE		JE Accrued current month	RBC ACCRUAL BAL	Reflect Cr Bal in Cls	Inter company SR and KWH Rp	Misc Corr	Manual Bill Adj	SUBSIDIARY	DIFF	Timing Dff			
			ORACLE INV NEXT MONTH	prev bal + cur acty)	(JE 810 Qtrly)	Trsf	Cost Centers								
BU 010	General Office-Wholesale	0760								0.00	0.00		0.00	0.00	
	Fergus Falls	0010								0.00	0.00		0.00	0.00	
	Devils Lake	0020								0.00	0.00		0.00	0.00	
	Morris - Wholesale	0040								0.00	0.00		0.00	0.00	
	Crookston - Wholesale	0110								0.00	0.00		0.00	0.00	
	Milbank - Wholesale	0140								0.00	0.00		0.00	0.00	
	General Office-Wholesale	0360								0.00	0.00		0.00	0.00	
BU 020	Fergus Falls	0010								0.00	0.00		0.00	0.00	
	Devils Lake	0020								0.00	0.00		0.00	0.00	
	Devils Lake-Fort Totten JE	0020								0.00	0.00		0.00	0.00	
	Jamestown	0030								0.00	0.00		0.00	0.00	
	Morris/Canby	0040								0.00	0.00		0.00	0.00	
	Oakes	0050								0.00	0.00		0.00	0.00	
	Wahpeton	0060								0.00	0.00		0.00	0.00	
	Langdon	0070								0.00	0.00		0.00	0.00	
	Rugby	0080								0.00	0.00		0.00	0.00	
	Bemidji	0100								0.00	0.00		0.00	0.00	
	Crookston/Hallock	0110								0.00	0.00		0.00	0.00	
	Garrison	0130								0.00	0.00		0.00	0.00	
	Milbank	0140								0.00	0.00		0.00	0.00	
	Power Services	0760								0.00	0.00		0.00	0.00	
	Treasury	0096								0.00	0.00		0.00	0.00	
	General Office-Wholesale	0360								0.00	0.00		0.00	0.00	
BU 030	Fergus Falls	0010								0.00	0.00		0.00	0.00	
	Devils Lake	0020								0.00	0.00		0.00	0.00	
	Jamestown	0030								0.00	0.00		0.00	0.00	
	Morris/Canby	0040								0.00	0.00		0.00	0.00	
	Oakes	0050								0.00	0.00		0.00	0.00	
	Wahpeton	0060								0.00	0.00		0.00	0.00	
	Langdon	0070								0.00	0.00		0.00	0.00	
	Rugby	0080								0.00	0.00		0.00	0.00	
	Bemidji	0100								0.00	0.00		0.00	0.00	
	Crookston/Hallock	0110								0.00	0.00		0.00	0.00	
	Garrison	0130								0.00	0.00		0.00	0.00	
	Milbank	0140								0.00	0.00		0.00	0.00	
	Treasury	0000	3,545,320.73						3,545,320.73	3,545,320.73	0.00		0.00	0.00	
BU 030	Retail Revenue-Sub 1010														
	Retail Revenue-Sub 9998														
	Retail Revenue-Sub 9999														
BU 010	Retail Revenue-Sub 9999														
	Total Retail Revenue		18,144,787.96	18,162,653.58						18,162,653.58	-17,865.62		0.00	-17,865.62	
TOTALS		21,690,108.69	18,162,653.58	0.00	0.00	0.00	3,545,320.73	0.00	0.00	0.00	21,707,974.31	-17,865.62	0.00	0.00	-17,865.62

**Accounts Receivable
1150 Account Balance for Dec-20**

(A)	(B)	(C)	(D)	(E)
Line		Beg Balance (Dec 31, 2019)	Per Activity	End Balance (Dec 31, 2020)
1	Crookston	100.010.0110.1150.0000.0000.000000.1420.0000	19,913.89	19,913.89
2	Milbank	100.010.0140.1150.0000.0000.000000.1420.0000	2,682.98	2,682.98
3	Devils Lake	100.020.0020.1150.0000.0000.000000.1420.0000	3,902.63	3,902.63
4	Wahpeton	100.020.0060.1150.0000.0000.000000.1420.0000	7,432.13	7,432.13
5	Langdon	100.020.0070.1150.0000.0000.000000.1420.0000	1,658.23	1,658.23
6	Rugby	100.020.0080.1150.0000.0000.000000.1420.0000	1,903.65	1,903.65
7	Crookston	100.020.0110.1150.0000.0000.000000.1420.0000	4,046.71	4,046.71
8	System Operations	100.020.0360.1150.0000.0000.000000.1420.0000	27,427.41	27,427.41
9	Power Services	100.020.0760.1150.0000.0000.000000.1420.0000	949.32	949.32
10	Manual A/R	100.030.0000.1150.0000.0000.000000.1420.0000	0.00	(3,545,320.73)
11	Unapplied Cash	100.030.0000.1150.1010.0000.000000.1420.0000	(962,874.21)	1,039,179.60
12	Cayenta A/R	100.030.0000.1150.9999.0000.000000.1420.0000	22,245,509.66	2,098,667.89
13	Accounting Trade A/R	100.030.0960.1150.0000.0000.000000.1420.0000	2,046,098.43	2,046,098.43
14	Rugby	100.030.0080.1150.0000.0000.000000.1420.0000	0.00	0.00
		Totals for 1150	23,398,650.83	1,708,542.14
		Totals for 1150	23,398,650.83	1,708,542.14
			21,690,108.69	21,690,108.69

OTTER TAIL POWER COMPANY
RETAIL CUSTOMERS, KWH & ELECTRIC REVENUE
2020

	<u>MINNESOTA</u>	<u>NORTH DAKOTA</u>	<u>SOUTH DAKOTA</u>	<u>TOTAL</u>
<u>RETAIL CUSTOMERS</u>				
Residential	49,184	45,614	8,860	103,658
Farms	1,279	1,022	351	2,652
Small Commercial	10,328	11,408	2,242	23,978
Large Commercial	480	275	69	824
Large Commercial - Malting & Pipelines	11	3	0	14
Streetlighting	299	310	58	667
Other Sales to Public Authorities	524	580	131	1,235
TOTAL RETAIL CUSTOMERS	62,105	59,212	11,711	133,028
<u>KWH SALES</u>				
Residential	545,633,820	602,784,894	118,109,013	1,266,527,727
Farms	50,175,889	46,348,514	9,419,222	105,943,626
Small Commercial	330,688,418	464,824,805	82,146,375	877,659,598
Large Commercial	624,003,617	575,614,139	261,609,698	1,461,227,454
Large Commercial - Malting & Pipelines	984,297,729	20,753,650	0	1,005,051,379
Streetlighting	6,674,450	10,991,062	2,184,212	19,849,724
Other Sales to Public Authorities	20,711,226	18,531,310	4,584,917	43,827,453
TOTAL BILLED RETAIL KWH **	2,562,185,150	1,739,848,375	478,053,436	4,780,086,961
<u>REVENUE</u>				
Residential	\$58,877,821.80	\$58,500,896.66	\$12,560,901.83	\$129,939,620.29
Farms	5,038,277.01	3,766,817.71	957,538.50	9,762,633.22
Small Commercial	34,296,252.61	42,702,120.25	7,717,189.51	84,715,562.37
Large Commercial	50,251,078.10	38,469,121.97	16,363,928.07	105,084,128.14
Large Commercial - Malting & Pipelines	53,883,050.92	1,464,103.29	0.00	55,347,154.21
Streetlighting	1,634,664.43	1,756,744.33	420,832.28	3,812,241.04
Other Sales to Public Authorities	1,848,370.04	1,363,992.60	358,607.80	3,570,970.44
TOTAL BILLED RETAIL REVENUE	\$205,829,514.91	\$148,023,796.81	\$38,378,997.99	\$392,232,309.71
Reconciliation Between CIS Billed Data (above) and Financial Statements				
Incremental Unbilled Revenue - unbilled/(prepaid)	\$235,287.89	(\$11,483.19)	\$74,457.38	\$298,262.08
Fuel Clause Adjustment Receivable - unbilled/(prepaid)	(\$7,203,343.51)	\$250,273.72	(\$249,086.94)	(\$7,202,156.73)
Renewable Resource Rider Revenue - unbilled/(prepaid)	\$896,142.38	\$686,805.81		\$1,582,948.19
Transmission Cost Recovery Rider Revenue - unbilled/(prepaid)	\$6,457,687.35	(\$998,797.93)	(\$393,705.86)	\$5,065,183.56
Conservation Improvement Programs - unbilled/(prepaid)	(\$4,631,622.77)		(\$87,034.75)	(\$4,718,657.52)
Energy-Intensive, Trade Exposed (EITE) Rider - unbilled/(prep)	(\$6,909.62)			(\$6,909.62)
MN SPP - unbilled/(prepaid)	\$665,174.81			\$665,174.81
Generation Cost Recovery Rider Revenue unbilled/(prepaid)		(\$128,338.00)		(\$128,338.00)
SD Phase In Rider Revenue unbilled/(prepaid)			(\$1,188,647.00)	(\$1,188,647.00)
MN Rate Case Revenue Reduction	(234,772.62)			(234,772.62)
TOTAL RETAIL REVENUE	\$202,007,158.82	\$147,822,257.22	\$36,534,980.82	\$386,364,396.86

Source: Page 5 of 2020 Statistical Report

** **The above Retail kWh does not include:**

Incremental Unbilled kWh	(2,209,046)	(1,967,352)	776,932	(3,399,466)
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Displaying Actual Balances for Period Dec-20
Account: 4110
Sub Account: 4500

	(A)	(B)	(C)	(D)
Line No.	Code Combination	Account Description	Current Month	YTD Amount
1	100.030.0000.4110.4500.0000.000000.4500	.Other Electric Revenue.Late Charges..Forfeited discounts	(36,436.88)	(484,284.44)
2		Totals	(36,436.88)	(484,284.44)

Displaying Actual Balances for Period Dec-20
Account: 4110
Sub Account: 4520

	(A)	(B)	(C)	(D)
Line No.	Code Combination	Account Description	Current Month	YTD Amount
3	100.030.0000.4110.4520.0000.000000.4510	.Other Electric Revenue.Service Revenues..Miscellaneous service revenues	(2,038.27)	(27,260.18)
4		Totals	(2,038.27)	(27,260.18)

Displaying Actual Balances for Period Dec-20
Account: 4110
Sub Account: 4521

	(A)	(B)	(C)	(D)
Line No.	Code Combination	Account Description	Current Month	YTD Amount
5	100.030.0000.4110.4521.0000.000000.4510	.Other Electric Revenue.Connection & Reconnection Fees..Miscellaneous service revenues	(24,078.00)	(322,672.48)
6		Totals	(24,078.00)	(322,672.48)

Otter Tail Power Company
Analysis of Days from Read to Bill (Computer Billings)
To Apply to Actual Year 2020

(A)

(B)

Line No.			
1	March	5.22	(1)
2	June	5.19	(2)
3	August	5.06	(3)
4	October	5.08	(4)
5			
6	Average of Test Months (Days from Read to Bill)	5.14	
7	Round to:	5.10	

- (1) Page 2 of 5
- (2) Page 3 of 5
- (3) Page 4 of 5
- (4) Page 5 of 5

**Otter Tail Power Company
Analysis of Days from Read to Bill (Computer Billings)
To Apply to Actual Year 2020**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)
Line No.	(1) Scheduled Read Date (Midpoint)						(2) Accounts Read or Unloaded/Day (Mid Point)							(3) % of Total				(4) # of Days from Read to Bill				(5) Weighted Avg Number of Days
	Cycle	Day 0	Day 1	Day 2	Day 3	Bill Date	Day 0	Day 1	Day 2	Day 3	Sampled Total	Actual Total Per Sch	% Sampled	Day 0	Day 1	Day 2	Day 3	Day 0	Day 1	Day 2	Day 3	
	1	1	09/25/20	09/28/20	09/29/20	09/30/20	10/02/20	1,791	1,597	1,446	637	5,471	6,001	91.2%	32.7%	29.2%	26.4%	11.6%	7	4	3	2
2	2	09/28/20	09/29/20	09/30/20	10/01/20	10/05/20	2,194	2,639	943	1,082	6,858	7,076	96.9%	32.0%	38.5%	13.8%	15.8%	7	6	5	4	5.87
3	3	09/29/20	09/30/20	10/01/20	10/02/20	10/06/20	3,214	2,440	427	787	6,868	7,237	94.9%	46.8%	35.5%	6.2%	11.5%	7	6	5	4	6.18
4	4	09/30/20	10/01/20	10/02/20	10/05/20	10/07/20	664	392	1,074	1,197	3,327	3,813	87.3%	20.0%	11.8%	32.3%	36.0%	7	6	5	2	4.44
5	5	10/01/20	10/02/20	10/05/20	10/06/20	10/08/20	2,391	2,789	1,804	1,739	8,723	9,081	96.1%	27.4%	32.0%	20.7%	19.9%	7	6	3	2	4.86
6	6	10/02/20	10/05/20	10/06/20	10/07/20	10/09/20	913	1,227	491	1,258	3,889	4,047	96.1%	23.5%	31.6%	12.6%	32.3%	7	4	3	2	3.93
7	7	10/05/20	10/06/20	10/07/20	10/08/20	10/12/20	1,281	829	473	230	2,813	2,899	97.0%	45.5%	29.5%	16.8%	8.2%	7	6	5	4	6.12
8	8	10/06/20	10/07/20	10/08/20	10/09/20	10/13/20	1,823	2,327	1,084	1,891	7,125	7,560	94.2%	25.6%	32.7%	15.2%	26.5%	7	6	5	4	5.57
9	9	10/07/20	10/08/20	10/09/20	10/12/20	10/14/20	1,847	1,248	1,067	1,550	5,712	6,002	95.2%	32.3%	21.8%	18.7%	27.1%	7	6	5	2	5.05
10	10	10/08/20	10/09/20	10/12/20	10/13/20	10/15/20	1,619	1,635	2,090	399	5,743	6,005	95.6%	28.2%	28.5%	36.4%	6.9%	7	6	3	2	4.91
11	11	10/09/20	10/12/20	10/13/20	10/14/20	10/16/20	660	849	1,131	829	3,469	3,545	97.9%	19.0%	24.5%	32.6%	23.9%	7	4	3	2	3.77
12	12	10/12/20	10/13/20	10/14/20	10/15/20	10/19/20	4,953	976	862	1,991	8,782	9,150	96.0%	56.4%	11.1%	9.8%	22.7%	7	6	5	4	6.01
13	13	10/13/20	10/14/20	10/15/20	10/16/20	10/20/20	972	1,749	1,733	1,073	5,527	6,022	91.8%	17.6%	31.6%	31.4%	19.4%	7	6	5	4	5.47
14	14	10/14/20	10/15/20	10/16/20	10/19/20	10/21/20	1,430	1,674	1,297	831	5,232	6,109	85.6%	27.3%	32.0%	24.8%	15.9%	7	6	5	2	5.39
15	15	10/15/20	10/16/20	10/19/20	10/20/20	10/22/20	2,268	1,299	2,233	482	6,282	6,655	94.4%	36.1%	20.7%	35.5%	7.7%	7	6	3	2	4.99
16	16	10/16/20	10/19/20	10/20/20	10/21/20	10/23/20	524	1,787	1,183	747	4,241	4,502	94.2%	12.4%	42.1%	27.9%	17.6%	7	4	3	2	3.74
17	17	10/19/20	10/20/20	10/21/20	10/22/20	10/26/20	1,217	1,816	2,403	1,209	6,645	7,013	94.8%	18.3%	27.3%	36.2%	18.2%	7	6	5	4	5.46
18	18	10/20/20	10/21/20	10/22/20	10/23/20	10/27/20	1,961	2,196	629	642	5,428	5,887	92.2%	36.1%	40.5%	11.6%	11.8%	7	6	5	4	6.01
19	19	10/21/20	10/22/20	10/23/20	10/26/20	10/28/20	1,707	2,071	1,180	1,829	6,787	7,092	95.7%	25.2%	30.5%	17.4%	26.9%	7	6	5	2	5.00
20	20	10/22/20	10/23/20	10/26/20	10/27/20	10/29/20	227	1,844	1,686	674	4,431	4,929	89.9%	5.1%	41.6%	38.1%	15.2%	7	6	3	2	4.30
21												113,353	120,625	94.0%								
22	Total																				101.55	
23	Average (Total/20 Cycles)																				5.08	

- (1) Created from Monthly Billing Schedule (Customer Accounting Schedule) provided by Pricing Analyst
- (2) From "Read Dates 2020" Report Recvd from Pricing Analyst
- (3) Calculated % of Sampled Meters Read each Day.
- (4) Calculated Number of Days Between Read Date and Bill Date Based on Schedule 1 above
- (5) (Day 0 % X Day 0 # of Days)+(Day 1 % x Day 1 # of Days) + (Day 2 % X Day 2 # of Days) + (Day 3 % X Day 3 # of Days)

Lead/Lag Study
Manual Billings-Summary
Actual 2020

Line No.	Month	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)
		MN/ND											
1	January	238,987	1,015,518	990,208	1,109,899	1,175,529	217,303	877,774	31,631	203,405	104,709	78,673	
2	February	229,218	934,183	913,311	1,019,584	1,089,080	199,068	809,396	31,744	196,115	96,732	76,844	
3	March	219,434	926,150	923,628	1,023,642	1,074,688	182,875	806,748	26,042	199,436	96,158	77,151	
4	April	208,561	794,895	755,893	848,520	878,790	158,588	656,350	24,169	194,614	51,550	74,605	
5	May	216,968	711,890	670,156	727,883	773,147	127,737	565,787	29,707	195,775	66,473	67,269	
6	June	210,388	748,890	716,749	804,417	851,953	121,917	678,832	20,304	214,754	116,579	65,650	
7	July	204,348	680,930	808,393	832,553	988,647	125,189	424,504	22,646	223,976	121,076	62,165	
8	August	211,834	621,095	757,084	796,194	887,429	116,213	446,685	16,970	227,192	116,104	62,201	
9	September	186,689	633,158	691,056	751,607	811,200	102,321	423,699	24,702	209,892	100,697	55,741	
10	October	251,644	741,390	851,042	939,583	1,053,511	104,129	470,862	23,862	199,539	106,371	68,109	
11	November	250,727	828,175	840,866	922,998	957,834	138,216	714,720	27,987	202,439	98,462	57,485	
12	December	265,818	917,756	868,463	1,014,197	1,034,795	170,863	771,446	37,104	213,468	102,543	71,325	
13		2,694,616	9,554,030	9,786,848	10,791,077	11,576,603	1,764,419	7,646,805	316,868	2,480,606	1,177,456	817,218	
14		(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	
15													
16		Total All Manual Billed						58,606,545.76					
17													
18													
19				Lead Days	\$ Lead Days	Lead Days	\$ Lead Days						
20		Revenue	Read to Bill	Read to Bill	Bill to Pay	Bill to Pay							
21		2,694,616	2.20	5,921,688	19.91	53,648,810	(3)						
22		9,554,030	2.03	19,367,457	6.54	62,528,389	(4)						
23		9,786,848	2.21	21,615,253	9.78	95,712,844	(5)						
24		10,791,077	2.22	23,974,825	6.29	67,846,206	(6)						
25		11,576,603	2.21	25,636,136	9.80	113,454,230	(7)						
26		1,764,419	2.30	4,051,565	6.34	11,190,244	(8)						
27		7,646,805	2.25	17,187,544	6.37	48,714,917	(9)						
28		316,868	2.27	720,596	6.27	1,986,611	(10)						
29		2,480,606	2.16	5,350,480	22.48	55,752,654	(11)						
30		1,177,456	2.09	2,457,041	18.67	21,986,278	(12)						
31		817,218	2.23	1,826,058	14.06	11,493,824	(13)						
32	Total	58,606,546	2.19	128,108,644	9.29	544,315,007							
33													
34													
35				Service Period to Date Meter is Read	15.25	(14)							
36				Reading Date to Date Billing is Prepared	2.19	Above							
37				Billing Date to Date Collection is Received	9.29	Above							
38				Total	26.72								
39				Round to:	26.70								

- (1) Ties to each respective customer's detail page
- (3) Page 3
- (4) Page 4
- (5) Page 5
- (6) Page 6
- (7) Page 7
- (8) Page 8
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- (11) Page 12
- (12) Page 13
- (13) Page 14
- (14) 366 / 12 / 2

**Lead/Lag Study
Manual Billings
Actual 2020**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Month	Read Date	Bill Date	Paid Date	1 Days Read to Bill	2 Days Bill to Pay	3 Revenue/ Month	1 X 3 \$ Days Read to Bill	2 X 3 \$ Days Bill to Pay
1	January	02/01/20	02/04/20	02/19/20	3	15	238,986.90	716,961	3,584,804
2	February	03/01/20	03/03/20	03/17/20	2	14	229,218.12	458,436	3,209,054
3	March	04/01/20	04/03/20	04/16/20	2	13	219,433.91	438,868	2,852,641
4	April	05/01/20	05/05/20	05/18/20	4	13	208,560.95	834,244	2,711,292
5	May	06/01/20	06/03/20	06/15/20	2	12	216,968.12	433,936	2,603,617
6	June	07/01/20	07/02/20	08/17/20	1	46	210,387.75	210,388	9,677,837
7	July	08/01/20	08/04/20	09/24/20	3	51	204,348.45	613,045	10,421,771
8	August	09/01/20	09/02/20	09/24/20	1	22	211,834.27	211,834	4,660,354
9	September	10/01/20	10/02/20	10/19/20	1	17	186,689.13	186,689	3,173,715
10	October	11/01/20	11/03/20	11/16/20	2	13	251,644.31	503,289	3,271,376
12	November	12/01/20	12/02/20	12/17/20	1	15	250,726.78	250,727	3,760,902
13	December	01/01/21	01/05/21	01/19/21	4	14	265,817.73	1,063,271	3,721,448
14							2,694,616	5,921,688	53,648,810
15									
16							Lead Days	2.20	19.91

Note 1: Info abstracted from "Source Info" worksheet; Page 11

**Lead/Lag Study
Manual Billings
Actual 2020**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Month	Read Date	Bill Date	Paid Date	1 Days Read to Bill	2 Days Bill to Pay	3 Monthly Revenues	1 X 3 \$ Days Read to Bill	2 X 3 \$ Days Bill to Pay
1	January	02/01/20	02/02/20	02/07/20	1	5	1,015,517.54	1,015,518	5,077,588
2	February	03/01/20	03/03/20	03/09/20	2	6	934,183.45	1,868,367	5,605,101
3	March	04/01/20	04/03/20	04/13/20	2	10	926,149.86	1,852,300	9,261,499
4	April	05/01/20	05/05/20	05/13/20	4	8	794,895.42	3,179,582	6,359,163
5	May	06/01/20	06/03/20	06/12/20	2	9	711,890.26	1,423,781	6,407,012
6	June	07/01/20	07/02/20	07/09/20	1	7	748,890.21	748,890	5,242,231
7	July	08/01/20	08/04/20	08/12/20	3	8	680,930.38	2,042,791	5,447,443
8	August	09/01/20	09/02/20	09/08/20	1	6	621,094.55	621,095	3,726,567
9	September	10/01/20	10/02/20	10/08/20	1	6	633,157.94	633,158	3,798,948
10	October	11/01/20	11/03/20	11/06/20	2	3	741,389.52	1,482,779	2,224,169
11	November	12/01/20	12/02/20	12/10/20	1	8	828,175.16	828,175	6,625,401
12	December	01/01/21	01/05/21	01/08/21	4	3	917,755.69	3,671,023	2,753,267
13							9,554,030	19,367,457	62,528,389
14									
15						Lead Days		2.03	6.54

Note 1: Info abstracted from "Source Info" worksheet; Page 11

**Lead/Lag Study
Manual Billings
Actual 2020**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Month	Read Date	Bill Date	Paid Date	1 Days Read to Bill	2 Days Bill to Pay	3 Monthly Revenues	1 X 3 \$ Days Read to Bill	2 X 3 \$ Days Bill to Pay
1	January	02/01/20	02/04/20	02/14/20	3	10	990,207.70	2,970,623	9,902,077
2	February	03/01/20	03/03/20	03/12/20	2	9	913,310.81	1,826,622	8,219,797
3	March	04/01/20	04/03/20	04/20/20	2	17	923,627.85	1,847,256	15,701,673
4	April	05/01/20	05/05/20	05/18/20	4	13	755,893.00	3,023,572	9,826,609
5	May	06/01/20	06/03/20	06/12/20	2	9	670,156.00	1,340,312	6,031,404
6	June	07/01/20	07/02/20	07/10/20	1	8	716,748.90	716,749	5,733,991
7	July	08/01/20	08/04/20	08/13/20	3	9	808,392.97	2,425,179	7,275,537
8	August	09/01/20	09/02/20	09/21/20	1	19	757,083.60	757,084	14,384,588
9	September	10/01/20	10/02/20	10/08/20	1	6	691,055.62	691,056	4,146,334
10	October	11/01/20	11/03/20	11/06/20	2	3	851,042.16	1,702,084	2,553,126
11	November	12/01/20	12/02/20	12/10/20	1	8	840,866.18	840,866	6,726,929
12	December	01/01/21	01/05/21	01/11/21	4	6	868,462.80	3,473,851	5,210,777
13							9,786,848	21,615,253	95,712,844
14									
15						Lead Days		2.21	9.78

Note 1: Info abstracted from "Source Info" worksheet; Page 11

**Lead/Lag Study
Manual Billings
Actual 2020**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Month	Read Date	Bill Date	Paid Date	1 Days Read to Bill	2 Days Bill to Pay	3 Monthly Revenues	1 X 3 \$ Days Read to Bill	2 X 3 \$ Days Bill to Pay
1	January	02/01/20	02/04/20	02/07/20	3	3	1,109,898.67	3,329,696	3,329,696
2	February	03/01/20	03/03/20	03/09/20	2	6	1,019,583.93	2,039,168	6,117,504
3	March	04/01/20	04/03/20	04/13/20	2	10	1,023,642.38	2,047,285	10,236,424
4	April	05/01/20	05/05/20	05/13/20	4	8	848,520.32	3,394,081	6,788,163
5	May	06/01/20	06/03/20	06/12/20	2	9	727,883.24	1,455,766	6,550,949
6	June	07/01/20	07/02/20	07/09/20	1	7	804,416.84	804,417	5,630,918
7	July	08/01/20	08/04/20	08/12/20	3	8	832,552.92	2,497,659	6,660,423
8	August	09/01/20	09/02/20	09/08/20	1	6	796,193.63	796,194	4,777,162
9	September	10/01/20	10/02/20	10/08/20	1	6	751,607.03	751,607	4,509,642
10	October	11/01/20	11/03/20	11/06/20	2	3	939,583.29	1,879,167	2,818,750
11	November	12/01/20	12/02/20	12/10/20	1	8	922,998.17	922,998	7,383,985
12	December	01/01/21	01/05/21	01/08/21	4	3	1,014,196.94	4,056,788	3,042,591
13							10,791,077	23,974,825	67,846,206
14									
15						Lead Days		2.22	6.29

Note 1: Info abstracted from "Source Info" worksheet; Page 11

**Lead/Lag Study
Manual Billings
Actual 2020**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Month	Read Date	Bill Date	Paid Date	1 Days Read to Bill	2 Days Bill to Pay	3 Monthly Revenues	1 X 3 \$ Days Read to Bill	2 X 3 \$ Days Bill to Pay
1	January	02/01/20	02/04/20	02/14/20	3	10	1,175,529.08	3,526,587	11,755,291
2	February	03/01/20	03/03/20	03/12/20	2	9	1,089,079.95	2,178,160	9,801,720
3	March	04/01/20	04/03/20	04/13/20	2	10	1,074,688.27	2,149,377	10,746,883
4	April	05/01/20	05/05/20	06/03/20	4	29	878,790.29	3,515,161	25,484,918
5	May	06/01/20	06/03/20	06/12/20	2	9	773,147.08	1,546,294	6,958,324
6	June	07/01/20	07/02/20	07/10/20	1	8	851,952.56	851,953	6,815,620
7	July	08/01/20	08/04/20	08/13/20	3	9	988,646.85	2,965,941	8,897,822
8	August	09/01/20	09/02/20	09/18/20	1	16	887,429.04	887,429	14,198,865
9	September	10/01/20	10/02/20	10/08/20	1	6	811,199.63	811,200	4,867,198
10	October	11/01/20	11/03/20	11/06/20	2	3	1,053,510.80	2,107,022	3,160,532
11	November	12/01/20	12/02/20	12/10/20	1	8	957,834.17	957,834	7,662,673
12	December	01/01/21	01/05/21	01/08/21	4	3	1,034,794.88	4,139,180	3,104,385
13							11,576,603	25,636,136	113,454,230
14									
15						Lead Days		2.21	9.80

Note 1: Info abstracted from "Source Info" worksheet; Page 11

**Lead/Lag Study
Manual Billings
Actual 2020**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Month	Read Date	Bill Date	Paid Date	1 Days Read to Bill	2 Days Bill to Pay	3 Monthly Revenues	1 X 3 \$ Days Read to Bill	2 X 3 \$ Days Bill to Pay
1	January	02/01/20	02/04/20	02/07/20	3	3	217,303.27	651,910	651,910
2	February	03/01/20	03/03/20	03/09/20	2	6	199,067.73	398,135	1,194,406
3	March	04/01/20	04/03/20	04/13/20	2	10	182,874.65	365,749	1,828,747
4	April	05/01/20	05/05/20	05/13/20	4	8	158,588.42	634,354	1,268,707
5	May	06/01/20	06/03/20	06/12/20	2	9	127,737.19	255,474	1,149,635
6	June	07/01/20	07/02/20	07/09/20	1	7	121,916.63	121,917	853,416
7	July	08/01/20	08/04/20	08/12/20	3	8	125,188.63	375,566	1,001,509
8	August	09/01/20	09/02/20	09/08/20	1	6	116,213.28	116,213	697,280
9	September	10/01/20	10/02/20	10/08/20	1	6	102,321.35	102,321	613,928
10	October	11/01/20	11/03/20	11/06/20	2	3	104,129.22	208,258	312,388
11	November	12/01/20	12/02/20	12/10/20	1	8	138,216.23	138,216	1,105,730
12	December	01/01/21	01/05/21	01/08/21	4	3	170,862.72	683,451	512,588
13							1,764,419	4,051,565	11,190,244
14									
15						Lead Days		2.30	6.34

Note 1: Info abstracted from "Source Info" worksheet; Page 12

**Lead/Lag Study
Manual Billings
Actual 2020**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Month	Read Date	Bill Date	Paid Date	1 Days Read to Bill	2 Days Bill to Pay	3 Monthly Revenues	1 X 3 \$ Days Read to Bill	2 X 3 \$ Days Bill to Pay
1	January	02/01/20	02/04/20	02/07/20	3	3	877,774.34	2,633,323	2,633,323
2	February	03/01/20	03/03/20	03/09/20	2	6	809,396.26	1,618,793	4,856,378
3	March	04/01/20	04/03/20	04/13/20	2	10	806,748.23	1,613,496	8,067,482
4	April	05/01/20	05/05/20	05/13/20	4	8	656,350.16	2,625,401	5,250,801
5	May	06/01/20	06/03/20	06/12/20	2	9	565,787.38	1,131,575	5,092,086
6	June	07/01/20	07/02/20	07/09/20	1	7	678,831.56	678,832	4,751,821
7	July	08/01/20	08/04/20	08/12/20	3	8	424,504.34	1,273,513	3,396,035
8	August	09/01/20	09/02/20	09/08/20	1	6	446,684.94	446,685	2,680,110
9	September	10/01/20	10/02/20	10/08/20	1	6	423,699.36	423,699	2,542,196
10	October	11/01/20	11/03/20	11/06/20	2	3	470,862.05	941,724	1,412,586
11	November	12/01/20	12/02/20	12/10/20	1	8	714,720.18	714,720	5,717,761
12	December	01/01/21	01/05/21	01/08/21	4	3	771,445.92	3,085,784	2,314,338
13							7,646,805	17,187,544	48,714,917
14									
15						Lead Days		2.25	6.37

Note 1: Info abstracted from "Source Info" worksheet; Page 12

Lead/Lag Study
Manual Billings
Actual 2020

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Month	Read Date	Bill Date	Paid Date	1 Days Read to Bill	2 Days Bill to Pay	3 Monthly Revenues	1 X 3 \$ Days Read to Bill	2 X 3 \$ Days Bill to Pay
1	January	02/01/20	02/04/20	02/07/20	3	3	31,631.14	94,893	94,893
2	February	03/01/20	03/03/20	03/09/20	2	6	31,743.69	63,487	190,462
3	March	04/01/20	04/03/20	04/13/20	2	10	26,041.92	52,084	260,419
4	April	05/01/20	05/05/20	05/13/20	4	8	24,168.53	96,674	193,348
5	May	06/01/20	06/03/20	06/12/20	2	9	29,707.37	59,415	267,366
6	June	07/01/20	07/02/20	07/09/20	1	7	20,303.94	20,304	142,128
7	July	08/01/20	08/04/20	08/12/20	3	8	22,646.23	67,939	181,170
8	August	09/01/20	09/02/20	09/08/20	1	6	16,969.96	16,970	101,820
9	September	10/01/20	10/02/20	10/08/20	1	6	24,702.09	24,702	148,213
10	October	11/01/20	11/03/20	11/06/20	2	3	23,861.86	47,724	71,586
11	November	12/01/20	12/02/20	12/10/20	1	8	27,986.69	27,987	223,894
12	December	01/01/21	01/05/21	01/08/21	4	3	37,104.29	148,417	111,313
13							316,868	720,596	1,986,611
14									
15						Lead Days		2.27	6.27

Note 1: Info abstracted from "Source Info" worksheet; Page 12

Lead/Lag Study
Manual Billings
Actual 2020

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Month	Read Date	Bill Date	Paid Date	1 Days Read to Bill	2 Days Bill to Pay	3 Revenue/ Month	1 X 3 \$ Days Read to Bill	2 X 3 \$ Days Bill to Pay
1	January	02/01/20	02/04/20	02/24/20	3	20	203,404.84	610,215	4,068,097
2	February	03/01/20	03/03/20	03/23/20	2	20	196,114.80	392,230	3,922,296
3	March	04/01/20	04/03/20	04/27/20	2	24	199,436.30	398,873	4,786,471
4	April	05/01/20	05/05/20	05/26/20	4	21	194,614.42	778,458	4,086,903
5	May	06/01/20	06/03/20	06/22/20	2	19	195,775.19	391,550	3,719,729
6	June	07/01/20	07/02/20	07/27/20	1	25	214,754.17	214,754	5,368,854
7	July	08/01/20	08/04/20	08/26/20	3	22	223,976.25	671,929	4,927,478
8	August	09/01/20	09/02/20	09/28/20	1	26	227,192.18	227,192	5,906,997
9	September	10/01/20	10/02/20	10/26/20	1	24	209,891.77	209,892	5,037,402
10	October	11/01/20	11/03/20	11/23/20	2	20	199,539.25	399,079	3,990,785
12	November	12/01/20	12/02/20	12/30/20	1	28	202,438.76	202,439	5,668,285
13	December	01/01/21	01/05/21	01/25/21	4	20	213,467.85	853,871	4,269,357
14							2,480,606	5,350,480	55,752,654
15									
16							Lead Days	2.16	22.48

Note 1: Info abstracted from "Source Info" worksheet; Page 11

Lead/Lag Study
Manual Billings
Actual 2020

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Month	Read Date	Bill Date	Paid Date	1 Days Read to Bill	2 Days Bill to Pay	3 Revenue/ Month	1 X 3 \$ Days Read to Bill	2 X 3 \$ Days Bill to Pay
1	January	02/01/20	02/04/20	02/19/20	3	15	104,709.31	314,128	1,570,640
2	February	03/01/20	03/03/20	03/20/20	2	17	96,732.32	193,465	1,644,449
3	March	04/01/20	04/03/20	04/23/20	2	20	96,158.26	192,317	1,923,165
4	April	05/01/20	05/05/20	05/28/20	4	23	51,550.45	206,202	1,185,660
5	May	06/01/20	06/03/20	06/26/20	2	23	66,473.45	132,947	1,528,889
6	June	07/01/20	07/02/20	07/17/20	1	15	116,579.12	116,579	1,748,687
7	July	08/01/20	08/04/20	08/17/20	3	13	121,076.05	363,228	1,573,989
8	August	09/01/20	09/02/20	09/21/20	1	19	116,104.23	116,104	2,205,980
9	September	10/01/20	10/02/20	10/30/20	1	28	100,696.89	100,697	2,819,513
10	October	11/01/20	11/03/20	11/27/20	2	24	106,371.07	212,742	2,552,906
12	November	12/01/20	12/02/20	12/14/20	1	12	98,462.25	98,462	1,181,547
13	December	01/01/21	01/05/21	01/25/21	4	20	102,542.61	410,170	2,050,852
14							1,177,456	2,457,041	21,986,278
15									
16							Lead Days	2.09	18.67

Note 1: Info abstracted from "Source Info" worksheet; Page 11

**Lead/Lag Study
 Manual Billings
 Actual 2020**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Month	Read Date	Bill Date	Paid Date	1 Days Read to Bill	2 Days Bill to Pay	3 Revenue/ Month	1 X 3 \$ Days Read to Bill	2 X 3 \$ Days Bill to Pay
1	January	02/01/20	02/04/20	02/20/20	3	16	78,673.13	236,019	1,258,770
2	February	03/01/20	03/03/20	03/17/20	2	14	76,843.60	153,687	1,075,810
3	March	04/01/20	04/03/20	04/20/20	2	17	77,151.25	154,303	1,311,571
4	April	05/01/20	05/05/20	05/18/20	4	13	74,604.63	298,419	969,860
5	May	06/01/20	06/03/20	06/15/20	2	12	67,269.33	134,539	807,232
6	June	07/01/20	07/02/20	08/03/20	1	32	65,649.75	65,650	2,100,792
7	July	08/01/20	08/04/20	08/17/20	3	13	62,165.12	186,495	808,147
8	August	09/01/20	09/02/20	09/14/20	1	12	62,200.85	62,201	746,410
9	September	10/01/20	10/02/20	10/13/20	1	11	55,741.40	55,741	613,155
10	October	11/01/20	11/03/20	11/12/20	2	9	68,109.46	136,219	612,985
12	November	12/01/20	12/02/20	12/14/20	1	12	57,484.59	57,485	689,815
13	December	01/01/21	01/05/21	01/12/21	4	7	71,325.16	285,301	499,276
14							817,218	1,826,058	11,493,824
15									
16							Lead Days	2.23	14.06

Note 1: Info abstracted from "Source Info" worksheet; Page 11

Case No. PU-23- Lead Lag Study

2020 Lead-Lag Study
Revenue - Manual Billings
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2020 Billing Dates and Payment Received

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)		
Line No.	Bill Dates	Pd Date	Billed Amount	Adjustments	Payments	Line No.	Bill Dates	Pd Date	Billed Amount	Adjustments	Payments
1	02/04/20	02/19/20	238,986.90	-	(238,986.90)	16	02/02/20	02/07/20	1,015,517.54	-	(1,015,517.54)
2	03/03/20	03/17/20	229,218.12	-	(229,218.12)	17	03/03/20	03/09/20	934,183.45	-	(934,183.45)
3	04/03/20	04/16/20	219,433.91	-	(219,433.91)	18	04/03/20	04/13/20	926,149.86	-	(926,149.86)
4	05/05/20	05/18/20	208,560.95	-	(208,560.95)	19	05/05/20	05/13/20	794,895.42	-	(794,895.42)
5	06/03/20	06/15/20	216,968.12	-	(216,968.12)	20	06/03/20	06/12/20	711,890.26	-	(711,890.26)
6	07/02/20	08/17/20	210,387.75	-	(210,387.75)	21	07/02/20	07/09/20	748,890.21	-	(748,890.21)
7	08/04/20	09/24/20	204,348.45	-	(204,348.45)	22	08/04/20	08/12/20	680,930.38	-	(680,930.38)
8	09/02/20	09/24/20	211,834.27	-	(211,834.27)	23	09/02/20	09/08/20	621,094.55	-	(621,094.55)
9	10/02/20	10/19/20	186,689.13	-	(186,689.13)	24	10/02/20	10/08/20	633,157.94	-	(633,157.94)
10	11/03/20	11/16/20	251,644.31	-	(251,644.31)	25	11/03/20	11/06/20	741,389.52	-	(741,389.52)
11	12/02/20	12/17/20	250,726.78	-	(250,726.78)	26	12/02/20	12/10/20	828,175.16	-	(828,175.16)
12	01/05/21	01/19/21	265,817.73	-	(265,817.73)	27	01/05/21	01/08/21	917,755.69	-	(917,755.69)
13			2,694,616.42	-	(2,694,616.42)	28			9,554,029.98	-	(9,554,029.98)
14						29					
15						30					
			total Billed Amount and Adjustments	2,694,616.42	-						
Line No.	Bill Dates	Pd Date	Billed Amount	Adjustments	Payments	Line No.	Bill Dates	Pd Date	Billed Amount	Adjustments	Payments
16	02/04/20	02/14/20	990,207.70	-	(990,207.70)	31	02/04/20	02/07/20	1,109,898.67	-	(1,109,898.67)
17	03/03/20	03/12/20	913,310.81	-	(913,310.81)	32	03/03/20	03/09/20	1,019,583.93	-	(1,019,583.93)
18	04/03/20	04/20/20	923,627.85	-	(923,627.85)	33	04/03/20	04/13/20	1,023,642.38	-	(1,023,642.38)
19	05/05/20	05/18/20	753,893.00	-	(753,893.00)	34	05/05/20	05/13/20	848,520.32	-	(848,520.32)
20	06/03/20	06/12/20	670,156.00	-	(670,156.00)	35	06/03/20	06/12/20	727,883.24	-	(727,883.24)
21	07/02/20	07/10/20	716,748.90	-	(716,748.90)	36	07/02/20	07/09/20	804,416.84	-	(804,416.84)
22	08/04/20	08/13/20	808,392.97	-	(808,392.97)	37	08/04/20	08/12/20	832,552.92	-	(832,552.92)
23	09/02/20	09/21/20	737,083.60	-	(737,083.60)	38	09/02/20	09/08/20	796,193.63	-	(796,193.63)
24	10/02/20	10/08/20	691,055.62	-	(691,055.62)	39	10/02/20	10/08/20	751,607.03	-	(729,910.09)
25	11/03/20	11/06/20	851,042.16	-	(851,042.16)	40	11/03/20	11/06/20	939,583.29	-	(908,591.67)
26	12/02/20	12/10/20	840,866.18	-	(840,866.18)	41	12/02/20	12/10/20	922,998.17	-	(975,686.73)
27	01/05/21	01/11/21	868,462.80	-	(868,462.80)	42	01/05/21	01/08/21	1,014,196.94	-	(1,014,196.94)
28			9,786,847.59	-	(9,786,847.59)	43			*****	-	(10,791,077.36)
29						44					
30						45					
			total Billed Amount and Adjustments	9,786,847.59	-						
Line No.	Bill Dates	Pd Date	Billed Amount	Adjustments	Payments	Line No.	Bill Dates	Pd Date	Billed Amount	Adjustments	Payments
31	02/04/20	02/14/20	1,175,529.08	-	(1,175,529.08)	46	02/04/20	02/07/20	217,303.27	-	(217,303.27)
32	03/03/20	03/12/20	1,089,079.95	-	(1,089,079.95)	47	03/03/20	03/09/20	199,067.73	-	(199,067.73)
33	04/03/20	04/13/20	1,074,688.27	-	(1,074,688.27)	48	04/03/20	04/13/20	182,874.65	-	(182,874.65)
34	05/05/20	06/03/20	878,790.29	-	(878,790.29)	49	05/05/20	05/13/20	158,588.42	-	(158,588.42)
35	06/03/20	06/12/20	773,147.08	-	(773,147.08)	50	06/03/20	06/12/20	127,737.19	-	(127,737.19)
36	07/02/20	07/10/20	851,852.56	-	(851,852.56)	51	07/02/20	07/09/20	121,916.63	-	(121,916.63)
37	08/04/20	08/13/20	988,646.85	-	(988,646.85)	52	08/04/20	08/12/20	125,188.63	-	(125,188.63)
38	09/02/20	09/18/20	887,429.04	-	(887,429.04)	53	09/02/20	09/08/20	116,213.28	-	(116,213.28)
39	10/02/20	10/08/20	811,199.63	-	(811,199.63)	54	10/02/20	10/08/20	102,321.35	-	(102,321.35)
40	11/03/20	11/06/20	1,053,519.80	-	(1,053,519.80)	55	11/03/20	11/06/20	104,129.22	-	(104,129.22)
41	12/02/20	12/10/20	957,834.17	-	(957,834.17)	56	12/02/20	12/10/20	138,216.23	-	(138,216.23)
42	01/05/21	01/08/21	1,034,794.88	-	(1,034,794.88)	57	01/05/21	01/08/21	170,862.72	-	(170,862.72)
43			*****	-	(11,576,602.60)	58			1,764,419.32	-	(1,764,419.32)
44						59					
45						60					
			total Billed Amount and Adjustments	*****	-						
Line No.	Bill Dates	Pd Date	Billed Amount	Adjustments	Payments	Line No.	Bill Dates	Pd Date	Billed Amount	Adjustments	Payments
46	02/04/20	02/07/20	31,631.14	-	(31,631.14)	61	02/04/20	02/07/20	877,774.34	-	(877,774.34)
47	03/03/20	03/09/20	31,743.69	-	(31,743.69)	62	03/03/20	03/09/20	809,396.26	-	(809,396.26)
48	04/03/20	04/13/20	26,041.92	-	(26,041.92)	63	04/03/20	04/23/20	66,158.26	-	(66,158.26)
49	05/05/20	05/13/20	24,168.53	-	(24,168.53)	64	05/05/20	05/13/20	656,350.16	-	(656,350.16)
50	06/03/20	06/12/20	29,707.37	-	(29,707.37)	65	06/03/20	06/12/20	565,787.38	-	(565,787.38)
51	07/02/20	07/09/20	20,303.94	-	(20,303.94)	66	07/02/20	07/09/20	678,831.56	-	(678,831.56)
52	08/04/20	08/12/20	22,646.39	-	(22,646.39)	67	08/04/20	08/12/20	424,504.34	-	(424,504.34)
53	09/02/20	09/08/20	16,969.96	-	(16,969.96)	68	09/02/20	09/08/20	446,684.94	-	(446,684.94)
54	10/02/20	10/08/20	24,702.09	-	(24,702.09)	69	10/02/20	10/08/20	423,699.36	-	(423,699.36)
55	11/03/20	11/06/20	23,861.86	-	(23,861.86)	70	11/03/20	11/06/20	470,862.05	-	(470,862.05)
56	12/02/20	12/10/20	27,986.69	-	(27,986.69)	71	12/02/20	12/10/20	714,720.18	-	(714,720.18)
57	01/05/21	01/08/21	37,104.29	-	(37,104.29)	72	01/05/21	01/08/21	771,445.92	-	(771,445.92)
58			316,867.71	-	(316,867.71)	73			7,646,804.72	-	(7,646,804.72)
59						74					
60						75					
			total Billed Amount and Adjustments	316,867.71	-						
Line No.	Bill Dates	Pd Date	Billed Amount	Adjustments	Payments	Line No.	Bill Dates	Pd Date	Billed Amount	Adjustments	Payments
61	02/04/20	02/24/20	203,404.84	-	(203,404.84)	76	02/04/20	02/19/20	104,709.31	-	(104,709.31)
62	03/03/20	03/23/20	196,114.80	-	(196,114.80)	77	03/03/20	03/20/20	96,732.32	-	(96,732.32)
63	04/03/20	04/27/20	199,436.30	-	(199,436.30)	78	04/03/20	04/23/20	96,158.26	-	(96,158.26)
64	05/05/20	05/26/20	194,614.42	-	(194,614.42)	79	05/05/20	05/28/20	51,550.45	-	(51,550.45)
65	06/03/20	06/22/20	195,775.19	-	(195,775.19)	80	06/03/20	06/26/20	66,473.45	-	(66,473.45)
66	07/02/20	07/27/20	214,754.17	-	(214,754.17)	81	07/02/20	07/17/20	116,579.12	-	(116,579.12)
67	08/04/20	08/26/20	223,976.25	-	(223,976.25)	82	08/04/20	08/17/20	121,076.05	-	(121,076.05)
68	09/02/20	09/28/20	227,192.18	-	(227,192.18)	83	09/02/20	09/21/20	116,104.23	-	(116,104.23)
69	10/02/20	10/26/20	209,891.77	-	(209,891.77)	84	10/02/20	10/30/20	100,696.89	-	(100,696.89)
70	11/03/20	11/23/20	199,539.25	-	(199,539.25)	85	11/03/20	11/27/20	106,371.07	-	(106,371.07)
71	12/02/20	12/30/20	202,438.76	-	(202,438.76)	86	12/02/20	12/14/20	98,462.25	-	(98,462.25)
72	01/05/21	01/25/21	213,467.85	-	(213,467.85)	87	01/05/21	01/25/21	102,542.61	-	(102,542.61)
73			2,480,605.78	-	(2,480,605.78)	88			1,177,456.01	-	(1,177,456.01)
74						89					
75						90					
			total Billed Amount and Adjustments	2,480,605.78	-						
Line No.	Bill Dates	Pd Date	Billed Amount	Adjustments	Payments	Line No.	Bill Dates	Pd Date	Billed Amount	Adjustments	Payments
76	02/04/20	02/20/20	78,673.13	-	(78,673.13)	7					

**OTP Lead Lag Study
Working Capital Analysis-Cost of Energy Adjustment Revenue
Actual 2020**

	(A)	(B)	(C)	(D)
Line No.		Amount	Lead Days	\$ Lead Days
1	Minnesota (2 Mo. Avg)	(\$2,056,044) (1)	97.4 (2)	(\$200,306,647)
2				
3				
4	North Dakota (4 Mo. Avg)	\$34,948,848	126.8	\$4,432,911,920
5				
6				
7	South Dakota (3 Mo. Avg)	\$0	-	\$0
8				
9				
10	FERC (1 Mo. Avg)	\$13,474	80.1	\$1,079,119
11	Weighted Avg	\$32,906,278	128.7	\$4,233,684,391
12				

(1) Pages 2, 3, and 4 of 2020 Statistical Book; See pages 3-5

(2) Page 2

**OTP Lead Lag Study
Cost of Energy Adjustment Lead Day Calculation
Actual 2020**

	(A)	(B)	(C)	(D)	(E)
Line No.		Minnesota	North Dakota	South Dakota	FERC
1	# of Months to Calc Avg.	2	4	3	1
2	Avg Days/Month	30.5 (1)	30.5 (1)	30.5 (1)	30.5 (1)
3	Total Days (Line 1 X Line 2)	61.0	122.0	91.5	30.5
4					
5	Average Cost Period (Line 3 / 2)	30.5	61.0	45.8	15.3
6					
7	Days- End of Cost Period to Billing Date	32.6 (2)	31.5 (2)	32.6 (2)	30.5 (4)
8					
9	Average Time Between Billing Dates	15.3 (5)	15.3 (5)	15.3 (5)	15.3 (5)
10					
11	Billing to Collection Period	19.1 (6)	19.1 (6)	19.1 (6)	19.1 (6)
12					
13	Totals	97.4	126.8	112.7	80.1

(1) Avg Days/Month (366/12) = 30.50

(2) Per Attached Sheet, Pages 3-5 - Actual average billed in following month (Avg. Calc + 30.5)

(4) FERC Month1 billed at beginning of month 3 (30.5 Days)

(5) 30.5 / 2 average from date 1st bill sent to date last bill sent

(6) Per "Bill-to-Collection Days Analysis" Workpapers Page 1

MINNESOTA CLASS ENERGY ADJUSTMENT FACTOR (EAF)

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
EFFECTIVE DATE - Billing Cycle 1	System Cost per kWh - Base Cost 0.02465	True-Up Factor	Q1 2020 Over Collection	Average Energy Adjustment Factor	Average Energy Adjustment Factor * E8760 Ratio									
					Residential	Farms	General Service	Large General Service	Irrigation Services	Outdoor Lighting	OPA	Controlled Service Water Heating	Controlled Service Interruptible	Controlled Service Deferred
E8760 Ratios				(b) + (c) + (d)	1.0833	1.0467	1.0567	0.9546	0.9585	0.8367	1.0373	1.0898	1.0945	0.9846
1 December 1, 2020	(0.00083)	(0.00050)	0.00000	(0.00133)	(0.00144)	(0.00139)	(0.00140)	(0.00127)	(0.00127)	(0.00111)	(0.00138)	(0.00144)	(0.00145)	(0.00131)
2 November 2, 2020	(0.00201)	(0.00050)	0.00000	(0.00251)	(0.00272)	(0.00263)	(0.00265)	(0.00239)	(0.00240)	(0.00210)	(0.00260)	(0.00273)	(0.00275)	(0.00247)
2 October 2, 2020	0.00036	(0.00050)	0.00000	(0.00014)	(0.00015)	(0.00015)	(0.00015)	(0.00014)	(0.00014)	(0.00012)	(0.00015)	(0.00015)	(0.00016)	(0.00014)
1 September 1, 2020	0.00091	(0.00050)	(0.00570)	(0.00529)	(0.00573)	(0.00554)	(0.00559)	(0.00505)	(0.00507)	(0.00443)	(0.00549)	(0.00577)	(0.00579)	(0.00521)
3 August 3, 2020	0.00242	(0.00050)	(0.00570)	(0.00378)	(0.00410)	(0.00396)	(0.00400)	(0.00361)	(0.00362)	(0.00316)	(0.00392)	(0.00412)	(0.00414)	(0.00372)
2 July 2, 2020	0.00232	(0.00050)	(0.00570)	(0.00388)	(0.00420)	(0.00406)	(0.00410)	(0.00370)	(0.00372)	(0.00325)	(0.00402)	(0.00423)	(0.00425)	(0.00382)
2 June 2, 2020	0.00021	(0.00050)	0.00000	(0.00029)	(0.00032)	(0.00031)	(0.00031)	(0.00028)	(0.00028)	(0.00025)	(0.00031)	(0.00032)	(0.00032)	(0.00029)
1 May 1, 2020	0.00047	(0.00050)	0.00000	(0.00003)	(0.00003)	(0.00003)	(0.00003)	(0.00003)	(0.00003)	(0.00002)	(0.00003)	(0.00003)	(0.00003)	(0.00003)
2 April 2, 2020	0.00149	(0.00050)	0.00000	0.00099	0.00107	0.00104	0.00105	0.00095	0.00095	0.00083	0.00103	0.00108	0.00108	0.00097
3 March 3, 2020	0.00101	(0.00050)	0.00000	0.00051	0.00056	0.00054	0.00054	0.00049	0.00049	0.00043	0.00053	0.00056	0.00056	0.00051
3 February 3, 2020	0.00273	0.00000	0.00000	0.00273	0.00296	0.00286	0.00289	0.00261	0.00262	0.00229	0.00284	0.00298	0.00299	0.00269
3 January 3, 2020	0.00345	0.00000	0.00000	0.00345	0.00373	0.00361	0.00364	0.00329	0.00330	0.00288	0.00357	0.00376	0.00377	0.00339

2.08 Docket No. E017/GR-15-1033 effective November 1, 2017:

Base Rate 0.02465

Average

Docket No. E017/M-03-30 effective March 2020 through February 2021:

True-Up (0.00050)

Docket No. E017/AA-19-297 - Q1 2020 Over Collection refund July, August, and September 2020:

(0.00570)

	MN kWh Subject to Energy Adjustment	MN FCA Revenue
January 2020	251,533,701	(\$474,998)
February 2020	233,142,380	\$748,687
March 2020	217,823,722	\$501,316
April 2020	211,029,239	\$137,639
May 2020	177,607,596	\$134,980
June 2020	168,043,092	(\$12,417)
July 2020	200,044,163	(\$237,995)
August 2020	197,111,402	(\$759,051)
September 2020	181,026,006	(\$749,698)
October 2020	179,656,589	(\$735,129)
November 2020	193,037,070	(\$137,040)
December 2020	212,792,375	(\$472,337)
2020 TOTALS	2,422,847,335	(\$2,056,044)

Source: MN Forecasted Rates, SSRS Retail Revenue and Business Planning reports
 This page is from Statistical Report

NORTH DAKOTA CLASS ENERGY ADJUSTMENT FACTOR (EAF)

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
		System Delivered Cost per kWh * E8760 Ratio									
EFFECTIVE DATE - First day of month	System Delivered Cost per kWh	Residential	Farms	General Service	Large General Service	Irrigation Services	Outdoor Lighting	OPA	Controlled Service Water Heating	Controlled Service Interruptible	Controlled Service Deferred
E8760 Ratios		1.0250	0.9690	1.0160	0.9670	0.9370	0.7840	1.0110	1.0350	1.0370	0.9630
1 December 1, 2020	0.02098	0.02150	0.02033	0.02132	0.02029	0.01966	0.01645	0.02121	0.02171	0.02176	0.02020
1 November 1, 2020	0.01993	0.02043	0.01931	0.02025	0.01927	0.01867	0.01563	0.02015	0.02063	0.02067	0.01919
1 October 1, 2020	0.02063	0.02115	0.01999	0.02096	0.01995	0.01933	0.01617	0.02086	0.02135	0.02139	0.01987
1 September 1, 2020	0.01909	0.01957	0.01850	0.01940	0.01846	0.01789	0.01497	0.01930	0.01976	0.01980	0.01838
1 August 1, 2020	0.01852	0.01898	0.01795	0.01882	0.01791	0.01735	0.01452	0.01872	0.01917	0.01921	0.01783
1 July 1, 2020	0.01848	0.01894	0.01791	0.01878	0.01787	0.01732	0.01449	0.01868	0.01913	0.01916	0.01780
1 June 1, 2020	0.01933	0.01981	0.01873	0.01964	0.01869	0.01811	0.01515	0.01954	0.02001	0.02005	0.01861
1 May 1, 2020	0.02041	0.02092	0.01978	0.02074	0.01974	0.01912	0.01600	0.02063	0.02112	0.02117	0.01965
1 April 1, 2020	0.01971	0.02020	0.01910	0.02003	0.01906	0.01847	0.01545	0.01993	0.02040	0.02044	0.01898
1 March 1, 2020	0.01985	0.02035	0.01923	0.02017	0.01919	0.01860	0.01556	0.02007	0.02054	0.02058	0.01912
1 February 1, 2020	0.02207	0.02262	0.02139	0.02242	0.02134	0.02068	0.01730	0.02231	0.02284	0.02289	0.02125
1 January 1, 2020	0.02254	0.02310	0.02184	0.02290	0.02180	0.02112	0.01767	0.02279	0.02333	0.02337	0.02171

1
Average

	ND kWh Subject to Energy Adjustment	ND FCA Revenue
January 2020	200,495,181	\$4,812,152
February 2020	181,057,493	\$4,115,906
March 2020	163,357,343	\$3,507,492
April 2020	154,431,495	\$3,073,960
May 2020	119,270,180	\$2,374,371
June 2020	109,072,830	\$2,189,507
July 2020	123,413,760	\$2,350,376
August 2020	122,269,407	\$2,253,472
September 2020	120,246,727	\$2,233,333
October 2020	114,708,963	\$2,229,358
November 2020	137,385,903	\$2,807,869
December 2020	148,015,592	\$3,001,053
2020 TOTALS	1,693,724,873	\$34,948,848

Source: ND Energy Adjustment calculations, SSRS Retail Revenue and Business Planning reports
This page is from Statistical Report

SOUTH DAKOTA CLASS ENERGY ADJUSTMENT FACTOR (EAF)

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
EFFECTIVE DATE - First day of month	System Delivered Cost per kWh	System Delivered Cost per kWh * E8760 Ratio									
		Residential	Farms	General Service	Large General Service	Irrigation Services	Outdoor Lighting	OPA	Controlled Service Water Heating	Controlled Service Interruptible	Controlled Service Deferred
E8760 Ratios		1.0240	1.0170	1.0310	0.9810	0.9120	0.8080	1.0070	1.0380	1.0130	0.9460
1 December 1, 2020	0.02229	0.02282	0.02267	0.02298	0.02187	0.02033	0.01801	0.02245	0.02314	0.02258	0.02109
2 November 2, 2020	0.02223	0.02276	0.02261	0.02292	0.02181	0.02027	0.01796	0.02239	0.02307	0.02252	0.02103
2 October 2, 2020	0.02027	0.02076	0.02061	0.02090	0.01988	0.01849	0.01638	0.02041	0.02104	0.02053	0.01918
1 September 1, 2020	0.01775	0.01818	0.01805	0.01830	0.01741	0.01619	0.01434	0.01787	0.01842	0.01798	0.01679
3 August 3, 2020	0.01595	0.01633	0.01622	0.01644	0.01565	0.01455	0.01289	0.01606	0.01656	0.01616	0.01509
2 July 2, 2020	0.01803	0.01846	0.01834	0.01859	0.01769	0.01644	0.01457	0.01816	0.01872	0.01826	0.01706
2 June 2, 2020	0.02071	0.02121	0.02106	0.02135	0.02032	0.01889	0.01673	0.02085	0.02150	0.02098	0.01959
1 May 1, 2020	0.02266	0.02320	0.02305	0.02336	0.02223	0.02067	0.01831	0.02282	0.02352	0.02295	0.02144
2 April 2, 2020	0.02495	0.02555	0.02537	0.02572	0.02448	0.02275	0.02016	0.02512	0.02590	0.02527	0.02360
3 March 3, 2020	0.02491	0.02551	0.02533	0.02568	0.02444	0.02272	0.02013	0.02508	0.02586	0.02523	0.02356
3 February 3, 2020	0.02302	0.02357	0.02341	0.02373	0.02258	0.02099	0.01860	0.02318	0.02389	0.02332	0.02178
3 January 3, 2020	0.02235	0.02289	0.02273	0.02304	0.02193	0.02038	0.01806	0.02251	0.02320	0.02264	0.02114

2.08
Average

Source: ND Energy Adjustment calculations, SSRS Retail Revenue and Business Planning reports
 This page is from Statistical Report
 Municipal data is from DOE Summaries

	SD kWh Subject to Energy Adjustment	SD FCA Revenue
January 2020	48,894,183	\$1,123,059
February 2020	43,564,836	\$986,055
March 2020	39,605,210	\$940,447
April 2020	33,287,064	\$829,899
May 2020	36,763,527	\$880,641
June 2020	32,328,764	\$707,139
July 2020	37,085,732	\$724,504
August 2020	36,807,351	\$633,239
September 2020	35,091,234	\$588,461
October 2020	32,787,437	\$616,249
November 2020	31,659,069	\$662,864
December 2020	41,739,822	\$922,716
2019 TOTALS	449,614,230	\$9,615,272

MUNICIPALS (MN and SD)						
FCA Revenue - FERC Base						
COE					TOTALS	
January 2020	0.0065	\$601	\$726	\$1,385	\$112	\$2,825
February 2020	0.0047	\$167	\$458	\$872	\$8	\$1,505
March 2020	0.0053	\$48	\$419	\$926	\$8	\$1,401
April 2020	0.0067	\$164	\$419	\$1,023	\$9	\$1,615
May 2020	0.0061	\$0	\$125	\$775	\$0	\$900
June 2020	0.0053	\$68	\$105	\$575	\$0	\$748
July 2020	0.0032	\$33	\$70	\$398	\$0	\$501
August 2020	0.0013	\$9	\$29	\$161	\$0	\$199
September 2020	0.0048	\$0	\$97	\$563	\$0	\$661
October 2020	0.0049	\$227	\$126	\$699	\$0	\$1,052
November 2020	0.0044	\$0	\$294	\$682	\$6	\$981
December 2020	0.0036	\$119	\$316	\$644	\$7	\$1,086
TOTALS		\$1,436	\$3,184	\$8,703	\$150	\$13,474

**Otter Tail Power Company
Asset Based Sales for Resale - Acct 4010.4430
Lead/Lag Summary**

	(A)	(B)	(C)	(D)
Line No.	Asset Based Sales for Resale 4430			
1				
2	January	371,551	(2)	
3	February	210,167	(2)	
4	March	294,334	(2)	
5	April	370,255	(2)	
6	May	119,899	(2)	
7	June	274,879	(2)	
8	July	445,370	(2)	
9	August	419,158	(2)	
10	September	635,828	(2)	
11	October	257,507	(2)	
12	November	786,088	(2)	
13	December	672,270	(2)	
14				
15		Total Revenues	Lag Days	\$ Lag Days
16		<u>4,857,306</u>	(1) 19.85	(3) 96,429,920
17				

(1) Ties to 2020 Financial Statements; Page 5

(2) Ties to 2020 Monthly Financial Statements; Page 4 "Wholesale Electric"

(3) Page 2 of 2

Note: The average lag days were calculated for MISO using both asset based and non-asset based sales figures as MISO does not differentiate their payments. Therefore, all asset based and non-asset based sales are paid together. There would be no difference in average lag days if calculated separately. The calculation can then be applied to just the asset based sales figures to come up with an accurate average.

**Case No. PU-23-
Lead Lag Study**

2020 Lead-Lag Study
Sales for Resale Summary
Page 2 of 2

**Lead/Lag Study
MISO Billings-Summary
Actual 2020**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
Line No.	Month	(1) S7 Transactions	(1) S14 Transactions	(1) S55 Transactions	(1) S105 Transactions	(1) R113 Transactions	(1) R259 Transactions	(1) R266 Transactions	(1) R357 Transactions	(1) R364 Transactions	(1) R462 Transactions	(1) R469 Transactions	Totals
1	January	(3,446,211.71)	(33,721.41)	(813,154.29)	(104,466.97)	-	-	-	-	-	-	-	(4,397,554.38)
2	February	(2,743,042.64)	(82,378.75)	(186,752.62)	506.87	(57.79)	-	-	-	-	-	-	(3,011,724.93)
3	March	(2,609,805.35)	24,558.62	(102,388.35)	(57,481.97)	-	-	-	-	-	-	-	(2,745,117.05)
4	April	(1,486,762.12)	(79,404.99)	(116,967.12)	19,200.43	-	5.22	-	-	-	-	-	(1,663,928.58)
5	May	(2,871,973.46)	107,659.36	(125,980.12)	33,683.85	-	-	-	-	-	-	-	(2,856,610.37)
6	June	(1,159,578.66)	(71,389.96)	(138,597.68)	45,250.76	-	-	-	-	-	-	-	(1,324,315.54)
7	July	(1,862,453.43)	(66,168.12)	(72,585.46)	(5,225.83)	-	-	-	-	-	-	-	(2,006,432.84)
8	August	(2,781,552.01)	(128,294.97)	28,530.82	(40,261.20)	-	-	(70.95)	-	-	-	-	(2,921,648.31)
9	September	(963,976.92)	(277,275.17)	(219,504.84)	11,287.81	-	-	-	-	-	-	-	(1,449,469.12)
10	October	(1,562,528.51)	(174,970.72)	(195,249.50)	(152,595.78)	-	-	-	-	-	-	-	(2,085,344.51)
11	November	(1,335,056.79)	39,148.17	(177,834.44)	(7,551.53)	-	-	-	-	-	-	-	(1,481,294.59)
12	December	(2,981,468.15)	(25,613.79)	(326,855.99)	(1,513.75)	-	-	-	-	-	-	-	(3,335,451.68)
13		(25,804,409.75)	(767,851.73)	(2,447,339.59)	(259,167.31)	(57.79)	5.22	(70.95)	-	-	-	-	(29,278,891.90)
14	check	-	-	-	-	-	-	-	-	-	-	-	-
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
32													
33	Total		(29,278,891.90)	19.85	(581,260,723.18)								

Total All MISO Billed (29,278,891.90)

(1)
Lead Days
Transaction
Day to Pay

\$ Lead Days
Bill to Pay

(1) Info Abstracted from "2020 OTPW MP Summary" worksheet.

Otter Tail Power Company
Rent from Electric Property
Monthly Revenues

	(A)	(B)	(C)	(D)
Line No.	(1) Rent from Electric 4110.4540			
1				
2	January	36,973.31		
3	February	37,369.73		
4	March	36,133.28		
5	April	46,182.61		
6	May	285,601.25		
7	June	88,540.04		
8	July	44,238.94		
9	August	43,706.89		
10	September	44,298.94		
11	October	53,352.98		
12	November	49,483.92		
13	December	48,554.18		
14		814,436.07		
15		814,436.07	(2)	
16				
17	Total			
18		Revenues	(Lead)Lag Days	\$ (Lead)Lag Days
19	Accts 454	814,436.07	(63.27) (3)	(51,525,656.72)

(1) Monthly Balance of A/C 4110.4540
 (2) Ties to 2020 Financial Statements Page 11
 (3) Page 2 of 9

Otter Tail Power Company
Rent from Electric Property-A/C 4110.4540
Working Capital Analysis
Year 2020

	(A)	(B)	(C)	(D)
Line No.	Revenue	(Lead)/Lag Days (Rounded)	\$ Lag Days	
1				
2	28,536.00 (1)	(13.42) (1)	(382,858.00) (1)	
3				
4	26,433.60 (1)	(9.67) (1)	(255,524.80) (1)	
5				
6	25,200.00 (1)	(9.67) (1)	(243,600.00) (1)	
7				
8	19,039.35 (1)	(11.69) (1)	(222,591.17) (1)	
11				
12	180,648.00 (2)	(15.56) (2)	(2,811,562.37) (2)	
13				
14	177,169.63 (3)	(141.10) (3)	(24,997,851.57) (3)	
15				
16	Rent From Electric Property	457,026.58	(63.27)	(28,913,987.90)

(1) Page 3 & 4 of 9

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(3) Page 6 of 9

**Otter Tail Power Company
Analysis of Municipal (Large Accts)
Year 2020**

Line No.	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
		(1)	(1)	(2)	(2)	(2)	(3)	(3)	(3)	(3)	Days from	Total	
		Revenues	Invoice Number	Beg. Service Period	End Service Period	Avg Service Days	Payment Date	Amount Paid	Remaining Balance	End of Service	To Payment	(Lead)/Lag Days	\$ Days
1	January	2,378.00	290687	01/01/20	01/31/20	15.5	01/07/20	2,378.00	-	(24.00)	(8.50)	(20,213.00)	
2	February	2,378.00	290688	02/01/20	02/29/20	14.5	01/29/20	2,378.00	-	(31.00)	(16.50)	(39,237.00)	
3	March	2,378.00	290689	03/01/20	03/31/20	15.5	02/24/20	2,378.00	-	(36.00)	(20.50)	(48,749.00)	
4	April	2,378.00	293625	04/01/20	04/30/20	15.0	04/13/20	2,378.00	-	(17.00)	(2.00)	(4,756.00)	
5	May	2,378.00	293626	05/01/20	05/31/20	15.5	04/30/20	2,378.00	-	(31.00)	(15.50)	(36,859.00)	
6	June	2,378.00	293627	06/01/20	06/30/20	15.0	06/10/20	2,378.00	-	(20.00)	(5.00)	(11,890.00)	
7	July	2,378.00	293628	07/01/20	07/31/20	15.5	06/29/20	2,378.00	-	(32.00)	(16.50)	(39,237.00)	
8	August	2,378.00	629629	08/01/20	08/31/20	15.5	08/03/20	2,378.00	-	(28.00)	(12.50)	(29,725.00)	
9	September	2,378.00	293630	09/01/20	09/30/20	15.0	09/01/20	2,378.00	-	(29.00)	(14.00)	(33,292.00)	
10	October	2,378.00	296209	10/01/20	10/31/20	15.5	09/30/20	2,378.00	-	(31.00)	(15.50)	(36,859.00)	
11	November	2,378.00	296210	11/01/20	11/30/20	15.0	10/27/20	2,378.00	-	(34.00)	(19.00)	(45,182.00)	
12	December	2,378.00	296211	12/01/20	12/31/20	15.5	11/30/20	2,378.00	-	(31.00)	(15.50)	(36,859.00)	
13													
14		Total	28,536.00				Avg (Lead)Lag Days				(13.42)		(382,858.00)
15													
16													
17		(1)	(1)	(2)	(2)	(2)	(3)	(3)	(3)	Days from	Total		
18		Revenues	Invoice Number	Beg. Service Period	End Service Period	Avg Service Days	Payment Date	Amount Paid	Remaining Balance	End of Service	To Payment	(Lead)/Lag Days	\$ Days
19	January	2,202.80	289755	01/01/20	01/31/20	15.5	01/07/20	2,202.80	-	(24.00)	(8.50)	(18,723.80)	
20	February	2,202.80	289756	02/01/20	02/29/20	14.5	02/04/20	2,202.80	-	(25.00)	(10.50)	(23,129.40)	
21	March	2,202.80	293211	03/01/20	03/31/20	15.5	03/03/20	2,202.80	-	(28.00)	(12.50)	(27,535.00)	
22	April	2,202.80	293212	04/01/20	04/30/20	15.0	04/13/20	2,202.80	-	(17.00)	(2.00)	(4,405.60)	
23	May	2,202.80	293213	05/01/20	05/31/20	15.5	05/14/20	2,202.80	-	(17.00)	(1.50)	(3,304.20)	
24	June	2,202.80	293214	06/01/20	06/30/20	15.0	06/10/20	2,202.80	-	(20.00)	(5.00)	(11,014.00)	
25	July	2,202.80	293215	07/01/20	07/31/20	15.5	07/08/20	2,202.80	-	(23.00)	(7.50)	(16,521.00)	
26	August	2,202.80	293216	08/01/20	08/31/20	15.5	08/03/20	2,202.80	-	(28.00)	(12.50)	(27,535.00)	
27	September	2,202.80	295749	09/01/20	09/30/20	15.0	09/01/20	2,202.80	-	(29.00)	(14.00)	(30,839.20)	
28	October	2,202.80	295750	10/01/20	10/31/20	15.5	10/01/20	2,202.80	-	(30.00)	(14.50)	(31,940.60)	
29	November	2,202.80	295751	11/01/20	11/30/20	15.0	11/03/20	2,202.80	-	(27.00)	(12.00)	(26,433.60)	
30	December	2,202.80	295752	12/01/20	12/31/20	15.5	11/30/20	2,202.80	-	(31.00)	(15.50)	(34,143.40)	
31													
32													
33		Total	26,433.60				Avg (Lead)Lag Days				(9.67)		(255,524.80)
34													

**Otter Tail Power Company
Analysis of Municipal (Large Accts)
Year 2020**

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	
35													
36		(1)		(2)	(2)		(3)			Days from	Total		
37		Revenues	Invoice	Beg. Service	End Service	Avg Service	Payment	Amount	Remaining	End of Service	(Lead)/Lag		
38			Number	Period	Period	Days	Date	Paid	Balance	To Payment	Days	\$ Days	
39		January	2,100.00	290506	01/01/20	01/31/20	15.5	01/07/20	2,100.00	-	(24.00)	(8.50)	(17,850.00)
40		February	2,100.00	290507	02/01/20	02/29/20	14.5	02/04/20	2,100.00	-	(25.00)	(10.50)	(22,050.00)
41		March	2,100.00	290508	03/01/20	03/31/20	15.5	03/03/20	2,100.00	-	(28.00)	(12.50)	(26,250.00)
42		April	2,100.00	293585	04/01/20	04/30/20	15.0	04/13/20	2,100.00	-	(17.00)	(2.00)	(4,200.00)
43		May	2,100.00	293586	05/01/20	05/31/20	15.5	05/14/20	2,100.00	-	(17.00)	(1.50)	(3,150.00)
44		June	2,100.00	293587	06/01/20	06/30/20	15.0	06/10/20	2,100.00	-	(20.00)	(5.00)	(10,500.00)
45		July	2,100.00	293588	07/01/20	07/31/20	15.5	07/08/20	2,100.00	-	(23.00)	(7.50)	(15,750.00)
46		August	2,100.00	293589	08/01/20	08/31/20	15.5	08/03/20	2,100.00	-	(28.00)	(12.50)	(26,250.00)
47		September	2,100.00	293590	09/01/20	09/30/20	15.0	09/01/20	2,100.00	-	(29.00)	(14.00)	(29,400.00)
48		October	2,100.00	296136	10/01/20	10/31/20	15.5	10/01/20	2,100.00	-	(30.00)	(14.50)	(30,450.00)
49		November	2,100.00	296137	11/01/20	11/30/20	15.0	11/03/20	2,100.00	-	(27.00)	(12.00)	(25,200.00)
50		December	2,100.00	296138	12/01/20	12/31/20	15.5	11/30/20	2,100.00	-	(31.00)	(15.50)	(32,550.00)
51													
52		Total	25,200.00								Avg (Lead)Lag Days	(9.67)	(243,600.00)
53													
54													
55		(1)		(2)	(2)		(3)			Days from	Total		
56		Revenues	Invoice	Beg. Service	End Service	Avg Service	Payment	Amount	Remaining	End of Service	(Lead)/Lag		
57			Number	Period	Period	Days	Date	Paid	Balance	To Payment	Days	\$ Days	
58		January	1,582.68	291666	01/01/20	01/31/20	15.5	02/14/20	1,582.68	-	14.00	29.50	46,689.06
59		February	1,582.68	291667	02/01/20	02/29/20	14.5	02/14/20	1,582.68	-	(15.00)	(0.50)	(791.34)
60		March	1,582.65	291668	03/01/20	03/31/20	15.5	02/25/20	1,582.65	-	(35.00)	(19.50)	(30,861.68)
61		April	1,582.65	291669	04/01/20	04/30/20	15.0	03/27/20	1,582.65	-	(34.00)	(19.00)	(30,070.35)
62		May	1,582.65	291670	05/01/20	05/31/20	15.5	04/28/20	1,582.65	-	(33.00)	(17.50)	(27,696.38)
63		June	1,582.65	294313	06/01/20	06/30/20	15.0	05/29/20	1,582.65	-	(32.00)	(17.00)	(26,905.05)
64		July	1,582.65	294314	07/01/20	07/31/20	15.5	07/02/20	1,582.65	-	(29.00)	(13.50)	(21,365.78)
65		August	1,582.65	294315	08/01/20	08/31/20	15.5	07/24/20	1,582.65	-	(38.00)	(22.50)	(35,609.63)
66		September	1,582.65	294316	09/01/20	09/30/20	15.0	08/24/20	1,582.65	-	(37.00)	(22.00)	(34,818.30)
67		October	1,582.65	294317	10/01/20	10/31/20	15.5	09/24/20	1,582.65	-	(37.00)	(21.50)	(34,026.98)
68		November	1,582.65	294318	11/01/20	11/30/20	15.0	11/20/20	1,582.65	-	(10.00)	5.00	7,913.25
69		December	1,630.14	296955	12/01/20	12/31/20	15.5	11/24/20	1,630.14	-	(37.00)	(21.50)	(35,048.01)
70													
71		Total	19,039.35								Avg (Lead)Lag Days	-11.69	(222,591.17)
72													

**Otter Tail Power Company
Analysis of
Rent from Electric Property
Year 2020**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	(1) Microwave Revenue	(2) Advances	(2) Actual Costs	(A) Difference	Beg Service Date	End Service Date	(B) Avg Days	(A) * (B) (Lead)/Lag \$ Days	
1	January	10,389.00	2,645,305.00	2,898,458.80	(253,153.80)	01/01/20	01/31/20	15.50	(3,923,884)
2	February	10,389.00	3,613,405.00	2,701,245.95	912,159.05	02/01/20	02/29/20	14.50	13,226,306
3	March	10,389.00	1,248,895.00	2,313,845.77	(1,064,950.77)	03/01/20	03/31/20	15.50	(16,506,737)
4	April	10,389.00	3,265,603.00	1,414,816.68	1,850,786.32	04/01/20	04/30/20	15.00	27,761,795
5	May	10,389.00	(180,618.00)	1,190,647.24	(1,371,265.24)	05/01/20	05/31/20	15.50	(21,254,611)
6	June	38,379.00	263,312.00	1,207,418.99	(944,106.99)	06/01/20	06/30/20	15.00	(14,161,605)
7	July	15,054.00	3,675,470.00	1,589,957.97	2,085,512.03	07/01/20	07/31/20	15.50	32,325,436
8	August	15,054.00	2,804,917.00	2,848,571.08	(43,654.08)	08/01/20	08/31/20	15.50	(676,638)
9	September	15,054.00	43,766.00	1,787,975.02	(1,744,209.02)	09/01/20	09/30/20	15.00	(26,163,135)
10	October	15,054.00	2,229,759.00	1,929,765.75	299,993.25	10/01/20	10/31/20	15.50	4,649,895
11	November	15,054.00	1,812,678.00	2,595,246.12	(782,568.12)	11/01/20	11/30/20	15.00	(11,738,522)
12	December	15,054.00	2,301,957.00	2,847,940.77	(545,983.77)	12/01/20	12/31/20	15.50	(8,462,748)
13									
14	Total	180,648.00	23,724,449.00	25,325,890.14	(1,601,441.14)		Lead Days*	15.56	(24,924,447.82)
15									
16									*Cash Received From Advances Before Revenue Booked

Big Stone Plant
Year 2020

	(A)	(B)	(C)	(D)	(E)
Line No.	Cash Advances	MDU	NWPS	OTP	Total
1	Balance 1/1/20	\$558,920,475.14	\$604,502,593.74	\$1,327,787,451.12	\$2,491,210,520.00
2	January	1,461,177.00	1,184,128.00	3,554,695.00	6,200,000.00
3	February	1,937,877.00	1,675,528.00	4,686,595.00	8,300,000.00
4	March	772,157.00	476,738.00	1,157,554.00	2,406,449.00
5	April	1,710,087.00	1,555,516.00	3,734,397.00	7,000,000.00
6	May	(1,373.00)	(179,245.00)	(37,414.00)	(218,032.00)
7	June	179,086.00	84,226.00	556,688.00	820,000.00
8	July	1,812,133.00	1,863,337.00	4,324,530.00	8,000,000.00
9	August	1,375,843.00	1,429,074.00	3,395,083.00	6,200,000.00
10	September	(13,625.00)	57,391.00	16,234.00	60,000.00
11	October	1,029,358.00	1,200,401.00	2,470,241.00	4,700,000.00
12	November	902,654.00	910,024.00	2,187,322.00	4,000,000.00
13	December	1,137,606.00	1,164,351.00	2,698,043.00	5,000,000.00
14		<u>\$571,223,455.14</u>	<u>\$615,924,062.74</u>	<u>\$1,356,531,419.12</u>	<u>\$2,543,678,937.00</u>
15					
16	O&M Expense	MDU	NWPS	OTP	Total
17	Balance 1/1/20	\$431,658,801.03	\$472,065,383.09	\$1,028,816,802.85	\$1,932,540,986.97
18	January	1,437,641.09	1,162,743.77	2,737,712.43	5,338,097.29
19	February	1,377,298.31	1,212,465.13	2,944,207.25	5,533,970.69
20	March	1,163,150.98	1,021,189.14	2,727,690.65	4,912,030.77
21	April	738,491.78	660,882.21	1,884,968.59	3,284,342.58
22	May	489,088.89	499,494.18	1,183,028.72	2,171,611.79
23	June	563,591.55	591,775.17	1,466,433.16	2,621,799.88
24	July	512,849.80	600,100.75	1,266,321.75	2,379,272.30
25	August	1,302,691.69	1,482,163.53	3,119,257.89	5,904,113.11
26	September	794,499.92	798,534.76	1,930,515.54	3,523,550.22
27	October	583,525.89	593,184.76	1,382,407.95	2,559,118.60
28	November	1,300,858.55	1,236,086.05	3,095,982.88	5,632,927.48
29	December	1,330,677.36	1,282,514.30	3,197,083.05	5,810,274.71
30		<u>\$443,253,166.84</u>	<u>\$483,206,516.84</u>	<u>\$1,055,752,412.71</u>	<u>\$1,982,212,096.39</u>
31					
32	Capital	MDU	NWPS	OTP	Total
33	Balance 1/1/20	\$128,703,645.16	\$132,875,934.45	\$305,618,597.07	\$567,198,176.68
34	January	146,773.94	151,300.00	348,507.25	646,581.19
35	February	54,894.85	56,587.66	130,344.99	241,827.50
36	March	63,769.59	65,736.06	151,417.62	280,923.27
37	April	7,604.11	7,838.58	18,055.54	33,498.23
38	May	99,497.97	102,566.20	236,252.87	438,317.04
39	June	25,630.95	26,421.32	60,859.37	112,911.64
40	July	234,882.17	242,125.25	557,715.83	1,034,723.25
41	August	31,374.18	32,341.68	74,496.39	138,212.25
42	September	95,990.14	98,950.20	227,923.80	422,864.14
43	October	370,810.22	382,244.88	880,470.12	1,633,525.22
44	November	28,708.12	29,593.40	68,165.97	126,467.49
45	December	115,592.29	119,156.82	274,468.09	509,217.20
46		<u>\$129,979,173.69</u>	<u>\$134,190,796.50</u>	<u>\$308,647,274.91</u>	<u>\$572,817,245.10</u>
47					
48		(2,008,885.39)	(1,473,250.60)	(7,868,268.50)	(11,350,404.49)
49					
50	Total Cash Advances		\$2,543,678,937.00		
51	Total SOC O&M & other costs		(1,982,212,096.39)		
52	Total Capital expenditures		(572,817,245.10)		
53	Big Stone forecast for current month SOC & Capital		<u>(5,744,680.00)</u>		
54			<u><u>(\$17,095,084.49)</u></u>		
55					
56		MDU	NWPS	OTP	Total
57	February 5	368,875.00	380,250.00	875,875.00	1,625,000.00
58	Fuel reconciliation on last SOC	11,267.00	(73,949.00)	62,682.00	0.00
	Lime reconciliation	310.00	(2,034.00)	1,724.00	0.00
	Carbon reconciliation	39.00	(258.00)	219.00	0.00
	Ammonia Reconciliation	129.00	(849.00)	720.00	0.00
59	Net February 5	380,620.00	303,160.00	941,220.00	1,625,000.00
60	February 12	368,875.00	380,250.00	875,875.00	1,625,000.00
61	February 20	368,875.00	380,250.00	875,875.00	1,625,000.00
62	February 26	368,875.00	380,250.00	875,875.00	1,625,000.00
63		<u>1,487,245.00</u>	<u>1,443,910.00</u>	<u>3,568,845.00</u>	<u>6,500,000.00</u>

Otter Tail Power Company
A/C 4110.4540 Rent of Electric Property
Summary of Joint Use Customers to Determine
Lead Days to Assign to All Joint Use Revenues

Line No.	(A) MN Joint Use	(B)	(1) Month Revenue Booked	(2) Avg Lead Days From End of Srvc to Pay	(E)	(F) Dollar Lead Days
1	June	Cable	61,163.25	150.73		9,218,998.13
2	June	Telephone	23,780.62	134.87		3,207,284.68
3			84,943.87	Avg Cash Lead 146.29		12,426,282.81
4						
5						
6	ND Joint Use		Month Revenue Booked	Avg Lead Days From End of Srvc to Pay		Dollar Lead Days
7						
8	June	Cable	11,455.29	16.55		189,590.84
9	June	Telephone	8,121.12	151.48		1,230,170.46
10			19,576.41	Avg Cash Lead 72.52		1,419,761.30
11						
12						
13	SD Joint Use		Month Revenue Booked	Avg Lead Days From End of Srvc to Pay		Dollar Lead Days
14						
15	June	Cable	72,649.35	153.50		11,151,807.47
16			72,649.35	Avg Cash Lead 153.50		11,151,807.47
17						
18						
19	Summary		Total Revenues	Avg Lead Days From End of Srvc to Pay		Dollar Lead Days
20						
21	MN		84,943.87	146.29		12,426,282.81
22	ND		19,576.41	72.52		1,419,761.30
23	SD		72,649.35	153.50		11,151,807.47
24			177,169.63	Avg Cash Lead 141.10		24,997,851.57

(1) Pages 8 & 9 of 9 - Joint Use Line for Each State

(2) Page 7 of 9

Otter Tail Power Company
A/C 454 Rent of Electric Property
Analysis of Select Joint Use Customers

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
Line No.	(1) Customer	(1) Amount	Beginning Service Period	Ending Service Period	Average Service Days	(1) Bill Date	(2) Payment Date	Amount Paid	Amount Remaining to Pay	Days From End of Service to Payment	Total Lead Days	\$ Days
1	MN Cable	2,314.20	06/01/20	05/31/21	182.50	05/28/20	06/29/20	2,314.20	-	(336.00)	(153.50)	(355,229.70)
2		10,738.99	06/01/20	05/31/21	182.50	05/28/20	07/08/20	10,738.99	-	(327.00)	(144.50)	(1,551,784.06)
3		622.63	06/01/20	05/31/21	182.50	05/29/20	09/01/20	622.63	-	(272.00)	(89.50)	(55,725.39)
4		5.51	06/01/20	05/31/21	182.50	05/28/20	06/26/20	5.51	-	(339.00)	(156.50)	(862.32)
5		2,584.19	06/01/20	05/31/21	182.50	05/28/20	06/26/20	2,584.19	-	(339.00)	(156.50)	(404,425.74)
6		21,885.72	06/01/20	05/31/21	182.50	05/28/20	06/29/20	21,885.72	-	(336.00)	(153.50)	(3,359,458.02)
7		84.90	06/01/20	05/31/21	182.50	05/29/20	08/25/20	84.90	-	(279.00)	(96.50)	(8,192.85)
8		2,468.48	06/01/20	05/31/21	182.50	05/28/20	06/29/20	2,468.48	-	(336.00)	(153.50)	(378,911.68)
9		3,487.83	06/01/20	05/31/21	182.50	05/28/20	06/29/20	3,487.83	-	(336.00)	(153.50)	(535,381.91)
10		2,170.94	06/01/20	05/31/21	182.50	05/28/20	07/24/20	2,170.94	-	(311.00)	(128.50)	(278,965.79)
11		6,623.02	06/01/20	05/31/21	182.50	05/28/20	06/29/20	6,623.02	-	(336.00)	(153.50)	(1,016,633.57)
12		2,082.78	06/01/20	05/31/21	182.50	05/28/20	06/29/20	2,082.78	-	(336.00)	(153.50)	(319,706.73)
13		6,094.06	06/01/20	05/31/21	182.50	05/28/20	06/26/20	6,094.06	-	(339.00)	(156.50)	(953,720.39)
14												
15		61,163.25						Average Days to Pay		(150.73)		(9,218,998.13)
16												
17	MN Phone	237.72	06/01/20	05/31/21	182.50	05/28/20	06/26/20	237.72	-	(339.00)	(156.50)	(37,203.18)
18		399.03	06/01/20	05/31/21	182.50	05/28/20	06/26/20	399.03	-	(339.00)	(156.50)	(62,448.20)
19		157.80	06/01/20	05/31/21	182.50	05/28/20	06/04/20	157.80	-	(361.00)	(178.50)	(28,167.30)
20		384.00	06/01/20	05/31/21	182.50	05/28/20	06/29/20	384.00	-	(336.00)	(153.50)	(58,944.00)
21		1,537.50	06/01/20	05/31/21	182.50	05/29/20	07/21/20	0.00	1,537.50	(314.00)	(131.50)	0.00
22		78.90	06/01/20	05/31/21	182.50	05/28/20	06/29/20	78.90	-	(336.00)	(153.50)	(12,111.15)
23		2,138.19	06/01/20	05/31/21	182.50	05/28/20	07/21/20	2,138.19	-	(314.00)	(131.50)	(281,371.99)
24		382.05	06/01/20	05/31/21	182.50	05/28/20	08/20/20	382.05	-	(284.00)	(101.50)	(38,778.08)
25		6,075.22	06/01/20	05/31/21	182.50	05/28/20	06/30/20	6,075.22	-	(335.00)	(152.50)	(926,471.05)
26		1,731.09	06/01/20	05/31/21	182.50	05/29/20	06/30/20	1,731.09	-	(335.00)	(152.50)	(263,991.23)
27		348.09	06/01/20	05/31/21	182.50	05/28/20	06/29/20	348.09	-	(336.00)	(153.50)	(53,431.82)
28		76.41	06/01/20	05/31/21	182.50	05/28/20	06/29/20	76.41	-	(336.00)	(153.50)	(11,728.94)
29		152.82	06/01/20	05/31/21	182.50	05/28/20	06/10/20	152.82	-	(355.00)	(172.50)	(26,361.45)
30		42.00	06/01/20	05/31/21	182.50	05/28/20	06/29/20	42.00	-	(336.00)	(153.50)	(6,447.00)
31		3,879.93	06/01/20	05/31/21	182.50	05/28/20	06/26/20	3,879.93	-	(339.00)	(156.50)	(607,209.05)
32		203.76	06/01/20	05/31/21	182.50	05/28/20	06/26/20	203.76	-	(339.00)	(156.50)	(31,888.44)
33		526.38	06/01/20	05/31/21	182.50	05/28/20	06/29/20	526.38	-	(336.00)	(153.50)	(80,799.33)
34		4,387.50	06/01/20	05/31/21	182.50	05/28/20	08/03/20	4,387.50	-	(301.00)	(118.50)	(519,918.75)
35		42.45	06/01/20	05/31/21	182.50	05/28/20	07/08/20	42.45	-	(327.00)	(144.50)	(6,134.03)
36		322.62	06/01/20	05/31/21	182.50	05/28/20	07/24/20	322.62	-	(311.00)	(128.50)	(41,456.67)
37		31.56	06/01/20	05/31/21	182.50	05/28/20	06/29/20	31.56	-	(336.00)	(153.50)	(4,844.46)
38		347.16	06/01/20	05/31/21	182.50	05/28/20	06/04/20	347.16	-	(361.00)	(178.50)	(61,968.06)
39		94.68	06/01/20	05/31/21	182.50	05/28/20	06/29/20	94.68	-	(336.00)	(153.50)	(14,533.38)
40		203.76	06/01/20	05/31/21	182.50	05/28/20	06/29/20	203.76	-	(336.00)	(153.50)	(31,277.16)
41		23,780.62						Average Days to Pay		(134.87)		(3,207,284.68)
42												
43												
44												
45	ND Cable	7,598.29	06/01/20	05/31/21	182.50	05/29/20	06/10/20	7,598.29	-	(355.00)	(172.50)	(1,310,705.03)
46		369.17	06/01/20	05/31/21	182.50	05/28/20	06/29/20	369.17	-	(336.00)	(153.50)	(56,667.60)
47		(38.57)	06/01/20	05/31/21	182.50	05/28/20	01/00/00	(38.57)	-	(44347.00)	(44164.50)	1,703,424.77
48		694.26	06/01/20	05/31/21	182.50	05/28/20	06/10/20	694.26	-	(355.00)	(172.50)	(119,759.85)
49		765.89	06/01/20	05/31/21	182.50	05/28/20	06/29/20	765.89	-	(336.00)	(153.50)	(117,564.12)
50		187.34	06/01/20	05/31/21	182.50	05/28/20	11/30/20	187.34	-	(182.00)	0.50	93.67
51		1,878.91	06/01/20	05/31/21	182.50	05/28/20	06/29/20	1,878.91	-	(336.00)	(153.50)	(288,412.69)
52												
53		11,455.29						Average Days to Pay		(16.55)		(189,590.84)
54												
55	ND Phone	110.37	06/01/20	05/31/21	182.50	05/28/20	06/29/20	110.37	-	(336.00)	(153.50)	(16,941.80)
56		254.70	06/01/20	05/31/21	182.50	05/28/20	09/01/20	254.70	-	(272.00)	(89.50)	(22,795.65)
57		236.70	06/01/20	05/31/21	182.50	05/28/20	08/12/20	236.70	-	(292.00)	(109.50)	(25,918.65)
58		3,905.40	06/01/20	05/31/21	182.50	05/28/20	06/29/20	3,905.40	-	(336.00)	(153.50)	(599,478.90)
59		600.00	06/01/20	05/31/21	182.50	05/28/20	08/03/20	600.00	-	(301.00)	(118.50)	(71,100.00)
60		815.04	06/01/20	05/31/21	182.50	05/28/20	06/10/20	815.04	-	(355.00)	(172.50)	(140,594.40)
61		832.02	06/01/20	05/31/21	182.50	05/28/20	06/10/20	832.02	-	(355.00)	(172.50)	(143,523.45)
62		203.76	06/01/20	05/31/21	182.50	05/28/20	06/29/20	203.76	-	(336.00)	(153.50)	(31,277.16)
63		967.86	06/01/20	05/31/21	182.50	05/28/20	06/29/20	967.86	-	(336.00)	(153.50)	(148,566.51)
64		195.27	06/01/20	05/31/21	182.50	05/28/20	06/29/20	195.27	-	(336.00)	(153.50)	(29,973.95)
65		8,121.12						Average Days to Pay		(151.48)		(1,230,170.46)
66												
67												
68												
69	SD Cable	72,638.33	06/01/20	05/31/21	182.50	05/28/20	06/29/20	72,638.33	-	(336.00)	(153.50)	(11,149,983.66)
70		11.02	06/01/20	05/31/21	182.50	05/28/20	06/17/20	11.02	-	(348.00)	(165.50)	(1,823.81)
71												
72		72,649.35						Average Days to Pay		(153.50)		(11,151,807.47)
73												

Total Joint Use Billings 177,169.63
Total Joint Use Tested 177,169.63
Percentage Tested 100.00%

(A) (B) (C) (D) (E) (F)

Line No.	5/28/20 - MN - Cable	Payment Date per Oracle A/R	Payment Amount	Revenue	Expense	Net Amount	Billing Date
1		06/29/20	2,314.20	2,314.20		2,314.20	05/28/20
2		07/08/20	10,738.99	10,738.99		10,738.99	05/28/20
3		09/01/20	622.63	622.63		622.63	05/29/20
4		06/26/20	5.51	5.51		5.51	05/28/20
5		06/26/20	2,584.19	2,584.19		2,584.19	05/28/20
6		06/29/20	21,885.72	21,885.72		21,885.72	05/28/20
7		08/25/20	84.90	84.90		84.90	05/29/20
8		06/29/20	2,468.48	2,468.48		2,468.48	05/28/20
9		06/29/20	3,487.83	3,487.83		3,487.83	05/28/20
		07/24/20	2,170.94	2,170.94		2,170.94	05/28/20
10		06/29/20	6,623.02	6,623.02		6,623.02	05/28/20
11		06/29/20	2,082.78	2,082.78		2,082.78	05/28/20
12		06/26/20	6,094.06	6,094.06		6,094.06	05/28/20
13							
14							
15							
16	State Total			61,163.25	0.00	61,163.25	

Line No.	5/28/20 - ND - Cable	Payment Date per Oracle A/R	Payment Amount	Revenue	Expense	Net Amount	Billing Date
1		06/10/20	7,598.29	7,631.35	(33.06)	7,598.29	05/29/20
2		06/29/20	369.17	369.17		369.17	05/28/20
3		05/28/20	(38.57)	66.12	(104.69)	(38.57)	05/28/20
4		06/10/20	694.26	694.26		694.26	05/28/20
5		06/29/20	765.89	765.89		765.89	05/28/20
6		11/30/20	187.34	187.34		187.34	05/28/20
7		06/29/20	1,878.91	1,878.91		1,878.91	05/28/20
8							
9							
10							
11							
12	State Total			11,593.04	(137.75)	11,455.29	

Line No.	5/28/20 - SD - Cable	Payment Date per Oracle A/R	Payment Amount	Revenue	Expense	Net Amount	Billing Date
1		06/29/20	72,638.33	72,643.84	(5.51)	72,638.33	05/28/20
2		06/17/20	11.02	11.02		11.02	05/28/20
3	State Total			72,654.86	(5.51)	72,649.35	

	(A)	(B)	(C)	(D)	(E)	(F)	
Line No.		Payment Date per Oracle A/R	Payment Amount	Revenue	Expense	Net Amount	Billing Date
	5/28/20 - MN - Telephone						
1		06/26/20	237.72	1,214.07	(976.35)	237.72	05/28/20
2		06/26/20	399.03	416.01	(16.98)	399.03	05/28/20
3		06/04/20	157.80	157.80		157.80	05/28/20
4		06/29/20	384.00	384.00		384.00	05/28/20
5		07/21/20		3,131.25	(1,593.75)	1,537.50	05/29/20
6		06/29/20	78.90	78.90		78.90	05/28/20
7		07/21/20	2,138.19	2,398.56	(260.37)	2,138.19	05/28/20
8		08/20/20	382.05	382.05		382.05	05/28/20
9		06/30/20	6,075.22	6,308.46	(233.24)	6,075.22	05/28/20
10		06/30/20	1,731.09	2,405.82	(674.73)	1,731.09	05/29/20
11		06/29/20	348.09	458.46	(110.37)	348.09	05/28/20
12		06/29/20	76.41	93.39	(16.98)	76.41	05/28/20
13		06/10/20	152.82	220.74	(67.92)	152.82	05/28/20
14		06/29/20	42.00	42.00		42.00	05/28/20
15		06/26/20	3,879.93	3,896.91	(16.98)	3,879.93	05/28/20
16		06/26/20	203.76	203.76		203.76	05/28/20
17		06/29/20	526.38	568.83	(42.45)	526.38	05/28/20
18		08/03/20	4,387.50	57,928.38	(53,540.88)	4,387.50	05/28/20
19		07/08/20	42.45	229.23	(186.78)	42.45	05/28/20
20		07/24/20	322.62	382.05	(59.43)	322.62	05/28/20
21		06/29/20	31.56	31.56		31.56	05/28/20
22		06/04/20	347.16	347.16		347.16	05/28/20
23		06/29/20	94.68	94.68		94.68	05/28/20
24		06/29/20	203.76	229.23	(25.47)	203.76	05/28/20
25							
26							
27							
28							
29							
30		State Total		81,603.30	(57,822.68)	23,780.62	

Line No.		Date per Oracle A/R	Payment	Revenue	Expense	Net Amount	Billing Date
	5/28/20 - ND - Telephone						
1		06/29/20	110.37	110.37		110.37	05/28/20
2		09/01/20	254.70	1,146.15	(891.45)	254.70	05/28/20
3		08/12/20	236.70	236.70		236.70	05/28/20
4		06/29/20	3,905.40	5,408.13	(1,502.73)	3,905.40	05/28/20
5		08/03/20	600.00	22,423.38	(21,823.38)	600.00	05/28/20
6		06/10/20	815.04	967.86	(152.82)	815.04	05/28/20
7		06/10/20	832.02	2,810.19	(1,978.17)	832.02	05/28/20
8		06/29/20	203.76	373.56	(169.80)	203.76	05/28/20
9		06/29/20	967.86	1,078.23	(110.37)	967.86	05/28/20
10		06/29/20	195.27	195.27		195.27	05/28/20
11							
12							
13							
14							
15							
16							
17							
18		State Total		34,749.84	(26,628.72)	8,121.12	

Line No.		Date per Oracle A/R	Payment	Revenue	Expense	Net Amount	Billing Date
	5/28/20 - SD - Telephone						
1							
2		State Total		0.00	0.00	0.00	

Otter Tail Power Company
Lead/Lag Study
Summary of A/C 4110.4560 Other Electric Revenue - Misc

	(A)	(B)	(C)	(D)	(E)
Line No.	Summary (Info from Page 2)	(1)	(1)	(1)	(1)
		Revenue	Days Lag	\$ Days	
1		0	1,497,987.98	37.42	56,049,619.02
2		0	95,660.93	25.41	2,430,411.26
3		0	338,474.04	45.09	15,260,804.98
4		0	205,187.48	68.00	13,952,748.64
5		0	367,219.60	30.16	11,075,431.28
6		0	71,510.29	72.71	5,199,637.59
7					
8			2,576,040.32	40.36	103,968,652.75
9					
10	Less: Allocation of Partner Share of Northern				
11	Lights Revenue		(725,102.86) (2)		
12					
13			1,850,937.46		
14					
15	Total General Ledger Acct Balance		3,810,299.65 (3)		
16	48.58% of GL Balance				
17					
18	Total Financial Statement Balance		3,810,299.65	40.36	153,783,199.01
19	48.58% of Total Balance				

(1) Per Page 2 & 3 of 3

(2) Per Oracle OTPGL700 Report for Acct 4110.4560 or GL Fire 100.010.1190.4110.4560.

(3) Per Excel Workbook for FERC Acct 456.0 in the Supporting Work Paper Folder.

**Otter Tail Power Company
Lead/Lag Study
Analysis of A/C 4110.4560 Other Electric Revenue - Misc**

(A) (B) (C) (D) (E) (F) (G) (H) (I) (J)
Total Financial Statement Balance 12/31/20 - Page 11 3,810,300

Specific Companies Analyzed in 4110.4560

Line No.	(4)		(1)	(1)	Avg Service	(5)	Days End of Service to Pay	Total Days	\$	
	Beginning Service date	Ending Service Date								Invoice #
1	January	01/01/20	01/31/20	293044	380,499.61	15.50	02/18/20	18.00	33.50	12,746,736.94
2	February	02/01/20	02/29/20	293444	319,632.69	14.50	03/19/20	19.00	33.50	10,707,695.12
3	March	03/01/20	03/31/20	293844	182,462.07	15.50	04/30/20	30.00	45.50	8,302,024.19
4	April	04/01/20	04/30/20	294245	63,147.31	15.00	05/28/20	28.00	43.00	2,715,334.33
5	May	05/01/20	05/31/20	294624	66,467.05	15.50	06/29/20	29.00	44.50	2,957,783.73
6	June	06/01/20	06/30/20	295152	73,980.76	15.00	07/21/20	21.00	36.00	2,663,307.36
7	July	07/01/20	07/31/20	295609	64,518.64	15.50	08/12/20	12.00	27.50	1,774,262.60
8	August	08/01/20	08/31/20	296031	71,924.30	15.50	09/15/20	15.00	30.50	2,193,691.15
9	September	09/01/20	09/30/20	296430	69,197.91	15.00	11/13/20	44.00	59.00	4,082,676.69
10	October	10/01/20	10/31/20	296830	54,396.10	15.50	11/23/20	23.00	38.50	2,094,249.85
11	November	11/01/20	11/30/20	297149	51,040.67	15.00	12/15/20	15.00	30.00	1,531,220.10
12	December	12/01/20	12/31/20	297730	100,720.87	15.50	01/27/21	27.00	42.50	4,280,636.98
13										
14										
15					1,497,987.98			Avg	37.42	56,049,619.02
16										
17										
18										
19										
Line No.	(4)		(3)	(3)	Avg Service	(5)	Days from End of Service to Pay	Total Days	\$	
	Beginning Service Date	Ending Service Date								Invoice #
20	January	01/01/20	01/31/20		15.50		(43,861.00)	(43,845.50)	0.00	
21	February	02/01/20	02/29/20	293304	5,491.91	14.50	04/09/20	40.00	299,309.10	
22	March	03/01/20	03/31/20		15.50		(43,921.00)	(43,905.50)	0.00	
23	April	04/01/20	04/30/20		15.00		(43,951.00)	(43,936.00)	0.00	
24	May	05/01/20	05/31/20		15.50		(43,982.00)	(43,966.50)	0.00	
25	June	06/01/20	06/30/20	295089	174.18	15.00	07/07/20	7.00	3,831.96	
26	July	07/01/20	07/31/20	295006	776.83	15.50	10/08/20	69.00	65,642.14	
27	July	07/01/20	07/31/20	295429	9,554.86	15.50	07/27/20	(4.00)	109,880.89	
28	August	08/01/20	08/31/20	295689	79,663.15	15.50	09/09/20	9.00	1,951,747.18	
29	September	09/01/20	09/30/20		15.00		(44,104.00)	(44,089.00)	0.00	
30	October	10/01/20	10/31/20		15.50		(44,135.00)	(44,119.50)	0.00	
31	November	11/01/20	11/30/20		15.00		(44,165.00)	(44,150.00)	0.00	
32	December	12/01/20	12/31/20		15.50		(44,196.00)	(44,180.50)	0.00	
33										
34					95,660.93			Avg	25.41	2,430,411.26
35										
36										
37										
38										
39										
Line No.	(4)		(3)	(3)	Avg Service	(5)	Days from End of Service to Pay	Total Days	\$	
	Beginning Service Date	Ending Service Date								Invoice #
40	January	01/01/20	01/31/20	293005	35,452.10	15.50	03/06/20	35.00	50.50	1,790,331.05
41	February	02/01/20	02/29/20		14.50		(43,890.00)	(43,875.50)	0.00	
42	February	02/01/20	02/29/20		14.50		(43,890.00)	(43,875.50)	0.00	
43	March	03/01/20	03/31/20		15.50		(43,921.00)	(43,905.50)	0.00	
44	April	04/01/20	04/30/20		15.00		(43,951.00)	(43,936.00)	0.00	
45	May	05/01/20	05/31/20		15.50		(43,982.00)	(43,966.50)	0.00	
46	June	06/01/20	06/30/20		15.00		(44,012.00)	(43,997.00)	0.00	
47	July	07/01/20	07/31/20	295510	1,750.30	15.50	08/21/20	21.00	36.50	63,885.95
48	August	08/01/20	08/31/20	296009	301,271.64	15.50	09/29/20	29.00	44.50	13,406,587.98
49	September	09/01/20	09/30/20		15.00		(44,104.00)	(44,089.00)	0.00	
50	October	10/01/20	10/31/20		15.50		(44,135.00)	(44,119.50)	0.00	
51	November	11/01/20	11/30/20		15.00		(44,165.00)	(44,150.00)	0.00	
52	December	12/01/20	12/31/20		15.50		(44,196.00)	(44,180.50)	0.00	
53										
54					338,474.04			Avg	45.09	15,260,804.98
55										
56										
57										
58										
59										
Line No.	(4)		(3)	(3)	Avg Service	(5)	Days from End of Service to Pay	Total Days	\$	
	Beginning Service Date	Ending Service Date								Invoice #
60	January	01/01/20	01/31/20		15.50		(43,861.00)	(43,845.50)	0.00	
61	February	02/01/20	02/29/20		14.50		(43,890.00)	(43,875.50)	0.00	
62	March	03/01/20	03/31/20		15.50		(43,921.00)	(43,905.50)	0.00	
63	April	04/01/20	04/30/20	294190	205,187.48	15.00	06/22/20	53.00	13,952,748.64	
64	May	05/01/20	05/31/20		15.50		(43,982.00)	(43,966.50)	0.00	
65	June	06/01/20	06/30/20		15.00		(44,012.00)	(43,997.00)	0.00	
66	July	07/01/20	07/31/20		15.50		(44,043.00)	(44,027.50)	0.00	
67	August	08/01/20	08/31/20		15.50		(44,074.00)	(44,058.50)	0.00	
68	September	09/01/20	09/30/20		15.00		(44,104.00)	(44,089.00)	0.00	
69	October	10/01/20	10/31/20		15.50		(44,135.00)	(44,119.50)	0.00	
70	November	11/01/20	11/30/20		15.00		(44,165.00)	(44,150.00)	0.00	
71	December	12/01/20	12/31/20		15.50		(44,196.00)	(44,180.50)	0.00	
72										
73					205,187.48			Avg	68.00	13,952,748.64
74										

**Otter Tail Power Company
Lead/Lag Study
Analysis of A/C 4110.4560 Other Electric Revenue - Misc**

(A) (B) (C) (D) (E) (F) (G) (H) (I) (J)

Total Financial Statement Balance 12/31/20 - Page 11

3,810,300

Specific Companies Analyzed in 4110.4560

Line No.		Beginning Service Date	(4)		(3) Invoice #	(3) Revenue	Avg Service Days	(5) Payment Date	Days from End		\$ Days Revenue
			Ending Service Date						of Service to Pay	Total Days	
1	January	01/01/20	01/31/20		292568	57.35	15.50	01/22/20	(9.00)	6.50	372.78
2	February	02/01/20	02/29/20				14.50		(43,890.00)	(43,875.50)	0.00
3	March	03/01/20	03/31/20				15.50		(43,921.00)	(43,905.50)	0.00
4	April	04/01/20	04/30/20				15.00		(43,951.00)	(43,936.00)	0.00
5	May	05/01/20	05/31/20				15.50		(43,982.00)	(43,966.50)	0.00
6	June	06/01/20	06/30/20				15.00		(44,012.00)	(43,997.00)	0.00
7	July	07/01/20	07/31/20				15.50		(44,043.00)	(44,027.50)	0.00
8	August	08/01/20	08/31/20				15.50		(44,074.00)	(44,058.50)	0.00
9	September	09/01/20	09/30/20				15.00		(44,104.00)	(44,089.00)	0.00
10	October	10/01/20	10/31/20				15.50		(44,135.00)	(44,119.50)	0.00
11	November	11/01/20	11/30/20	296916	46,176.13		15.00	01/20/21	51.00	66.00	3,047,624.58
12	November	11/01/20	11/30/20	296916	320,835.80		15.00	12/10/20	10.00	25.00	8,020,895.00
13	December	12/01/20	12/31/20	297652	150.32		15.50	01/28/21	28.00	43.50	6,538.92
14											
15					367,219.60				Avg	30.16	11,075,431.28
16											
17											
18											
19											
20											
21	January	01/01/20	01/31/20	293185	3,967.97		15.50	03/19/20	48.00	63.50	251,966.10
22	February	02/01/20	02/29/20	293524	1,864.57		14.50	04/13/20	44.00	58.50	109,077.35
23	March	03/01/20	03/31/20	293990	6,327.07		15.50	05/29/20	59.00	74.50	471,366.72
24	April	04/01/20	04/30/20	294524	14,062.35		15.00	06/29/20	60.00	75.00	1,054,676.25
25	May	05/01/20	05/31/20	294844	10,804.13		15.50	08/12/20	73.00	88.50	956,165.51
26	June	06/01/20	06/30/20	295469	10,801.28		15.00	08/24/20	55.00	70.00	756,089.60
27	July	07/01/20	07/31/20	295709	8,683.25		15.50	09/21/20	52.00	67.50	586,119.38
28	August	08/01/20	08/31/20	296509	5,634.51		15.50	10/19/20	49.00	64.50	363,425.90
29	September	09/01/20	09/30/20				15.00		(44,104.00)	(44,089.00)	0.00
30	October	10/01/20	10/31/20	297189	1,400.93		15.50	12/30/20	60.00	75.50	105,770.22
31	November	11/01/20	11/30/20	297249	4,447.61		15.00	01/20/21	51.00	66.00	293,542.26
32	December	12/01/20	12/31/20	297829	3,516.62		15.50	02/25/21	56.00	71.50	251,438.33
33											
34					71,510.29				Avg	72.71	5,199,637.59

**Otter Tail Power Company
 Lead/Lag Study
 Summary of A/C 4045 Other Electric Revenue - Misc**

	(A)	(B)	(C)	(D)
Line No.	Summary (Info from Page 2)			
	Revenue	Days Lag	\$ Days	
1	MISO Tariff Revenues	39,266,866.50 (2)	29.22 (2)	1,147,414,360.01
2	Generator Interconnection Revenue	0.00		
3				
4		<u>39,266,866.50</u>		<u>1,147,414,360.01</u>
5				
6	Add: Facility Service Agreement Revenue	2,793,738.50 (1)		
9				
10		42,060,605.00	29.22	1,229,049,997.35
11				
12	Total Financial Statement Balance	42,060,607.00		
13		93.36% of total balance analyzed		

(1) Per GL Fire for Acct 4110.4567
 (2) Per Page 2

**Otter Tail Power Company
Lead/Lag Study
Analysis of Certain Accounts under FERC A/C 456.1 MISO Tariff Revenue**

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
				(1)				
Total Financial Statement Balance 12/31/20				42,060,607				

Line No.	MISO	(3)		(2)	Avg Service Days	(3)	Days End of Service to Pay	Total Days	\$ Days Revenue
		Beginning Service date	Ending Service Date						
1	Jan	01/01/20	01/31/20	3,740,810.02	15.50	02/14/20	14.00	29.50	110,353,895.59
2	Feb	02/01/20	02/29/20	2,936,295.96	14.50	03/13/20	13.00	27.50	80,748,138.90
3	Mar	03/01/20	03/31/20	3,276,670.00	15.50	04/14/20	14.00	29.50	96,661,765.00
4	Apr	04/01/20	04/30/20	3,167,863.45	15.00	05/14/20	14.00	29.00	91,868,040.05
5	May	05/01/20	05/31/20	2,607,035.75	15.50	06/12/20	12.00	27.50	71,693,483.13
6	Jun	06/01/20	06/30/20	2,838,672.54	15.00	07/15/20	15.00	30.00	85,160,176.20
7	Jul	07/01/20	07/31/20	4,388,492.22	15.50	08/14/20	14.00	29.50	129,460,520.49
8	Aug	08/01/20	08/31/20	3,634,605.96	15.50	09/15/20	15.00	30.50	110,855,481.78
9	Sep	09/01/20	09/30/20	3,083,960.79	15.00	10/14/20	14.00	29.00	89,434,862.91
10	Oct	10/01/20	10/31/20	3,507,300.07	15.50	11/13/20	13.00	28.50	99,958,051.99
11	Nov	11/01/20	11/30/20	2,918,285.40	15.00	12/14/20	14.00	29.00	84,630,276.60
12	Dec	12/01/20	12/31/20	3,166,874.34	15.50	01/15/21	15.00	30.50	96,589,667.37
13									
14				39,266,866.50			Avg	29.22	1,147,414,360.01

(1) FDW FERC 456.1, accounts 4045; 4110.4562; 4110.4567

(2) FDW FERC 456.1, accounts 4045

(3) Per Pricing Analyst; Final settlements for tariff transactions are posted and invoiced on the 5th business day after month end. Funds are then due and paid by ACH 7 days after the 5th business day of the month. The vast majority of the transactions that are paid are for the previous months activity. However, there are payments that straggle in for such items as corrections to prior months, settlements from ongoing disputes, late collections, etc. These are immaterial in relation to the total amount received for any given month so for this analysis all revenues will be considered paid 7 days after the 5th business day of the month following the month the transaction occurred.

Otter Tail Power Company
Transmission Deficiency Revenue-A/C 4110.4563
Monthly Revenues

	(A)	(B)	(C)	(D)	(E)
Line No.	Transmission Deficiency Revenue				
	4563				
			(3)		
1	January		0.00		
2	February		0.00		
3	March		0.00		
4	April		0.00		
5	May		991,569.00		
6	June		0.00		
7	July		0.00		
8	August		0.00		
9	September		0.00		
10	October		0.00		
11	November		0.00		
12	December		0.00		
13					
14			991,569.00		
15					
20	Add: Acctg Adj.		39,177.00		
21					
22			1,030,746.00		
23					
24	Total				
25		Revenues		Lag Days	\$ Lag Days
26	Acct 4110.4563	1,030,746.00	(1)	27.50	(2) 28,345,515.00

- (1) Ties to 2020 Financial Statement
- (2) Page 2 of 4
- (3) Page 3 of 4

**Otter Tail Power Company
Transmission Deficiency Revenue-A/C 4110.4563
Working Capital Analysis
Year 2020**

	(A)	(B)	(C)	(D)
Line No.	Revenue	(Lead)/Lag Days (Rounded)	\$ Lag Days	
1				
2	0	991,569.00 (1)	27.50 (1)	27,268,147.50 (1)
3				
4	Transmission Deficiency Revenue	991,569.00	27.50	27,268,147.50

(1) Page 4 of 4

**Otter Tail Power Company
Analysis of Transmission Deficiency Accts
Year 2020**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	
1										
2										
3		(1)	(3)	(2)	(2)	(3)	Days from	Total		
4		Revenues	Invoice	Beg. Service	End Service	Avg Service	End of Service	Lag Days	\$ Days	
5			Number	Period	Period	Days	To Payment			
6	January			01/01/20	01/31/20	15.5				
7	February			02/01/20	02/29/20	14.0				
8	March			03/01/20	03/31/20	15.5				
9	April			04/01/20	04/30/20	15.0				
10	May	991,569.00	294386	05/01/20	05/31/20	15.5	06/12/20	12.00	27.50	27,268,147.50
11	June			06/01/20	06/30/20	15.0				
12	July			07/01/20	07/31/20	15.5				
13	August			08/01/20	08/31/20	15.5				
14	September			09/01/20	09/30/20	15.0				
15	October			10/01/20	10/31/20	15.5				
16	November			11/01/20	11/30/20	15.0				
17	December			12/01/20	12/31/20	15.5				
18	Total	991,569.00					Avg Lag Days (Rounded)		27.50	27,268,147.50
19										

(1) From Monthly Customer Invoices *

(2) Per Financial Reporting.

(3) Per Research of Company Transaction History in Oracle A/R Display

**Otter Tail Power Company
Lead/Lag Study
Wheeling Revenues - A/C 4110.4561**

Line No.	(A)	(B)	(C)	(D)
Line No.	Customer:	(2) Revenues	(2) Lag Days	(2) \$ Lag Days
1		211,343.56	38.73	8,185,394.13
2				
3		25,532.14	39.58	1,010,557.49
4				
5		17,239.04	37.16	640,545.71
6				
7		22,733.11	40.14	912,526.15
8				
9		91,156.94	40.10	3,654,967.82
10				
11		<u>20,619.93</u>	<u>41.64</u>	<u>858,684.19</u>
12				
13				
14	Totals	388,624.72	39.27	15,262,675.49
15				
16				
17	Total Revenues for A/C 4110.4561	428,755.00 (1)	39.27	16,838,734.37
18	% of Total Revenues Analyzed	90.64%		

(1) Ties to 2020 Financial Statements
(2) Pages 3 thru 5 of 5

Otter Tail Power Company
Lead/Lag Study
Wheeling Revenues - A/C 4110.4561

	(A)	(B)	(C)	(D)
Line No.	Account Summary-Balances	Revenue	% of Total	
1	456.1-1	2,075.36	0.49%	
2	456.1-2	211,343.56	49.69%	
3	456.1-3 Municipalities	58,981.60	13.87%	
4	456.1-4 Agencies	152,911.31	35.95%	
5		<u>425,311.83</u>	<u>100.00%</u>	
6				
7			Accts to	
8	Detail of Account: 456.1-1		Analyze	
9		2,075.36 (1)	0.00	
10		<u>0.00</u> (1)		
11	Total	2,075.36		
12				
13	Detail of Account: 456.1-2			
14		211,343.56 (3)	211,343.56	
15				
16	Detail of Account: 456.1-3			
17		9,510.28 (3)	0.00	
18		25,532.14 (3)	25,532.14	
19		6,612.80 (3)	0.00	
20		17,239.04 (3)	17,239.04	
21		<u>87.34</u> (1)		
22	Total	58,981.60		
23				
24	Detail of Account: 456.1-4			
25		22,733.11 (3)	22,733.11	
26		5,460.73 (3)	0.00	
27		1,613.71 (3)	0.00	
28		11,046.31 (3)	0.00	
29		91,156.94 (3)	91,156.94	
30		20,619.93 (3)	20,619.93	
31		<u>280.58</u> (1)		
32	Total	152,911.31	388,624.72	91.37%

- (1) Monthly Billing Report December 2020
- (2) Not used
- (3) Pages 3 thru 5 of 5

Note: Analyzed accounts over \$15,000 in revenue.

**Case No. PU-23-
Lead Lag Study**

2020 Lead-Lag Study
Wheeling Revenues
Page 5 of 5

**Otter Tail Power Company
Lead/Lag Study
Wheeling Revenues - A/C 4110.4561**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
Line No.	(2) Beg Serv.	(2) End Serv.	(2) Billing Date	Invoice Number	(2) Revenue Amount	(1) Payment Date	Amount Paid	Remaining Balance	Avg Service Days	Days End Serv. to Pay	Lag Days	\$ Revenue Lag	
1	January	01/01/20	01/31/20	02/10/20	293169	981.52	03/03/20	981.52	-	15.50	32.00	47.50	46,622.20
2	February	02/01/20	02/29/20	03/10/20	293575	981.52	03/24/20	981.52	-	14.50	24.00	38.50	37,788.52
3	March	03/01/20	03/31/20	04/10/20	293958	944.09	04/30/20	944.09	-	15.50	30.00	45.50	42,956.10
4	April	04/01/20	04/30/20	05/08/20	294310	881.71	05/29/20	881.71	-	15.00	29.00	44.00	38,795.24
5	May	05/01/20	05/31/20	06/09/20	294788	881.71	06/29/20	881.71	-	15.50	29.00	44.50	39,236.10
6	June	06/01/20	06/30/20	07/10/20	295257	881.71	07/17/20	881.71	-	15.00	17.00	32.00	28,214.72
7	July	07/01/20	07/31/20	08/10/20	295696	881.71	08/24/20	881.71	-	15.50	24.00	39.50	34,827.55
8	August	08/01/20	08/31/20	09/10/20	296155	885.87	10/19/20	885.87	-	15.50	49.00	64.50	57,138.62
9	September	09/01/20	09/30/20	10/12/20	296553	931.62	10/27/20	931.62	-	15.00	27.00	42.00	39,128.04
10	October	10/01/20	10/31/20	11/09/20	296920	919.14	11/23/20	919.14	-	15.50	23.00	38.50	35,386.89
11	November	11/01/20	11/30/20	12/08/20	297275	923.30	12/15/20	923.30	-	15.00	15.00	30.00	27,699.00
12	December	12/01/20	12/31/20	01/11/21	297835	952.41	01/27/21	952.41	-	15.50	27.00	42.50	40,477.43
13													
14					11,046.31							42.39	468,270.39
15													
16													
17													
18													
19													
20	January	01/01/20	01/31/20	02/10/20	293173	7,432.13	02/18/20	7,432.13	-	15.50	18.00	33.50	248,976.36
21	February	02/01/20	02/29/20	03/10/20	293577	7,432.13	03/19/20	7,432.13	-	14.50	19.00	33.50	248,976.36
22	March	03/01/20	03/31/20	04/10/20	293960	7,432.13	04/30/20	7,432.13	-	15.50	30.00	45.50	338,161.92
23	April	04/01/20	04/30/20	05/08/20	294312	7,432.13	05/28/20	7,432.13	-	15.00	28.00	43.00	319,581.59
24	May	05/01/20	05/31/20	06/09/20	294790	7,432.13	06/29/20	7,432.13	-	15.50	29.00	44.50	330,729.79
25	June	06/01/20	06/30/20	07/10/20	295252	7,432.13	07/21/20	7,432.13	-	15.00	21.00	36.00	267,556.68
26	July	07/01/20	07/31/20	08/10/20	295699	7,432.13	08/24/20	7,432.13	-	15.50	24.00	39.50	293,569.14
27	August	08/01/20	08/31/20	09/10/20	296157	8,259.77	09/30/20	8,259.77	-	15.50	30.00	45.50	375,819.54
28	September	09/01/20	09/30/20	10/12/20	296555	8,251.46	10/19/20	8,251.46	-	15.00	19.00	34.00	280,549.64
29	October	10/01/20	10/31/20	11/09/20	296922	7,432.13	11/23/20	7,432.13	-	15.50	23.00	38.50	286,137.01
30	November	11/01/20	11/30/20	12/08/20	297276	7,756.54	12/30/20	7,756.54	-	15.00	30.00	45.00	349,044.30
31	December	12/01/20	12/31/20	01/11/21	297837	7,432.13	01/27/21	7,432.13	-	15.50	27.00	42.50	315,865.53
32													
33					91,156.94							40.10	3,654,967.82
34													
35													
36													
37													
38													
39	January	01/01/20	01/31/20	02/10/20	293172	1,658.23	02/28/20	1,658.23	-	15.50	28.00	43.50	72,133.01
40	February	02/01/20	02/29/20	03/10/20	293576	1,658.23	03/24/20	1,658.23	-	14.50	24.00	38.50	63,841.86
41	March	03/01/20	03/31/20	04/10/20	293959	1,658.23	04/30/20	1,658.23	-	15.50	30.00	45.50	75,449.47
42	April	04/01/20	04/30/20	05/08/20	294311	1,658.23	05/28/20	1,658.23	-	15.00	28.00	43.00	71,303.89
43	May	05/01/20	05/31/20	06/09/20	294789	1,677.85	07/08/20	1,677.85	-	15.50	38.00	53.50	89,764.98
44	June	06/01/20	06/30/20	07/10/20	295258	1,859.37	07/23/20	1,859.37	-	15.00	23.00	38.00	70,656.06
45	July	07/01/20	07/31/20	08/10/20	295698	1,859.37	08/24/20	1,859.37	-	15.50	24.00	39.50	73,445.12
46	August	08/01/20	08/31/20	09/10/20	296156	1,773.52	09/21/20	1,773.52	-	15.50	21.00	36.50	64,733.48
47	September	09/01/20	09/30/20	10/12/20	296554	1,773.52	10/22/20	1,773.52	-	15.00	22.00	37.00	65,620.24
48	October	10/01/20	10/31/20	11/09/20	296921	1,697.48	11/23/20	1,697.48	-	15.50	23.00	38.50	65,352.98
49	November	11/01/20	11/30/20	12/10/20	297309	1,672.95	12/30/20	1,672.95	-	15.00	30.00	45.00	75,282.75
50	December	12/01/20	12/31/20	01/11/21	297836	1,672.95	01/27/21	1,672.95	-	15.50	27.00	42.50	71,100.38
51													
52					20,619.93							41.64	858,684.19

(1) Per Oracle A/R Display; Run Customer Acct History and search for payment dates by invoice #
(2) From copies of invoices for each customer kept on file; See Misc W/P File for detail

Otter Tail Power Company
Lead/Lag Study
Other Electric Revenue - Load Control/Disp.
Summary of Acct 4110.4566

	(A)	(B)	(C)	(D)
Line No.		(2) 2020 Billed Revenue	(2) (Lead)/Lag Days (Rounded)	\$ Lag Days
1				
2		321,342.52	64.57	20,747,490.41
3				
4		82,892.94	59.03	4,893,353.18
5				
6		257,587.68	(13.02)	(8,774,421.28)
7				
8		198,845.15	(15.56)	(3,094,030.53)
9		860,668.29	Lag Days 16.00	13,772,391.78
10				
11	Add: Sched 24/System Operation BA Portion	480,486.98	(1)	
12	Dec 2019 Billings billed Jan 2020	<u>44,884.01</u>		
13		525,370.99		
14				
15	Less: Adjustments for 2021	1,158.00		
16	Dec 2020 Billings billed Jan 2021	<u>38,718.68</u>		
17		39,876.68		
18				
19		1,346,162.60	(1)	
20				
21	2020 Revenue per Financial Statements	1,346,163.00	Lag Days 16.00	21,541,265.60
22				
23	Difference - Rounding	-		

(1) Per Page 2, ties to GL Fire Dec 2020 Year to Date amount

(2) Per Pages 2 thru 4

**Otter Tail Power Company
Lead/Lag Study
Other Electric Revenue - Load Control/Disp.
Acct 4110.4566**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.		(1) Revenue	(2) Invoice Number	(3) Ending Service Date	Avg Days Service	(2) Payment Date	End of Service to Pay	Total Lag Days	\$ Days Revenue Lag
1	January	32,237.27	293345	01/31/20	15.50	03/03/20	32.00	47.50	1,531,270.33
2	February	20,329.17	293903	02/29/20	14.50	05/14/20	75.00	89.50	1,819,460.72
3	February	31,808.72	293924	02/29/20	14.50	04/30/20	61.00	75.50	2,401,558.36
4	March	26,399.39	294128	03/31/20	15.50	05/14/20	44.00	59.50	1,570,763.71
5	April	19,887.73	294546	04/30/20	15.00	06/12/20	43.00	58.00	1,153,488.34
6	May	16,530.43	294986	05/31/20	15.50	07/02/20	32.00	47.50	785,195.43
7	June	24,151.60	295530	06/30/20	15.00	08/06/20	37.00	52.00	1,255,883.20
8	July	25,854.41	295910	07/31/20	15.50	10/02/20	63.00	78.50	2,029,571.19
9	August	23,456.17	296409	08/31/20	15.50	10/08/20	38.00	53.50	1,254,905.10
10	September	19,354.70	296711	09/30/20	15.00	11/05/20	36.00	51.00	987,089.70
11	October	25,890.37	297090	10/31/20	15.50	01/20/21	81.00	96.50	2,498,420.71
12	November	25,813.66	297614	11/30/20	15.00	01/14/21	45.00	60.00	1,548,819.60
13	December	29,628.90	298094	12/31/20	15.50	02/18/21	49.00	64.50	1,911,064.05
14									
15		321,342.52				Lag Days	64.57	20,747,490.41	

Line No.		(1) Revenue	(2) Invoice Number	(3) Ending Service Date	Avg Days Service	(2) Payment Date	End of Service to Pay	Total Lag Days	\$ Days Revenue Lag
1	January	8,494.38	293344	01/31/20	15.50	03/11/20	40.00	55.50	471,438.09
2	February	8,153.89	293902	02/29/20	14.50	04/30/20	61.00	75.50	615,618.70
3	March	6,717.01	294147	03/31/20	15.50	05/06/20	36.00	51.50	345,926.02
4	April	6,592.53	294545	04/30/20	15.00	06/22/20	53.00	68.00	448,292.04
5	May	4,463.02	294985	05/31/20	15.50	07/10/20	40.00	55.50	247,697.61
6	June	7,126.74	295529	06/30/20	15.00	08/07/20	38.00	53.00	377,717.22
7	July	7,758.64	295909	07/31/20	15.50	09/23/20	54.00	69.50	539,225.48
8	August	6,790.06	296389	08/31/20	15.50	10/07/20	37.00	52.50	356,478.15
9	September	4,553.22	296710	09/30/20	15.00	11/06/20	37.00	52.00	236,767.44
10	October	6,668.16	297089	10/31/20	15.50	12/15/20	45.00	60.50	403,423.68
11	November	6,485.51	297612	11/30/20	15.00	01/13/21	44.00	59.00	382,645.09
12	December	9,089.78	298089	12/31/20	15.50	02/05/21	36.00	51.50	468,123.67
13									
14		82,892.94				Lag Days	59.03	4,893,353.18	

Line No.		(4) Revenue	(6) Advances	(6) Actual Costs	(A) Difference	Beg Service Date	End Service Date	(B) Avg Days	(A) * (B) (Lead)/Lag \$ Days
1	January	21,411.22	4,642,380.00	5,014,243.25	(371,863.25)	01/01/20	01/31/20	15.50	(5,763,880)
2	February	21,411.22	3,324,304.00	4,805,140.10	(1,480,836.10)	02/01/20	02/29/20	14.50	(21,472,123)
3	March	21,411.22	4,947,645.00	4,807,320.53	140,324.47	03/01/20	03/31/20	15.50	2,175,029
4	April	21,411.22	4,886,665.00	5,311,932.81	(425,267.81)	04/01/20	04/30/20	15.00	(6,379,017)
5	May	21,411.22	4,782,084.00	4,175,166.94	606,917.06	05/01/20	05/31/20	15.50	9,407,214
6	June	21,411.22	5,272,110.00	5,222,226.23	49,883.77	06/01/20	06/30/20	15.00	748,257
7	July	21,411.22	4,423,817.00	4,945,692.79	(521,875.79)	07/01/20	07/31/20	15.50	(8,089,075)
8	August	21,411.22	5,275,500.00	4,646,603.49	628,896.51	08/01/20	08/31/20	15.50	9,747,896
9	September	21,411.22	4,784,866.00	4,125,397.05	659,468.95	09/01/20	09/30/20	15.00	9,892,034
10	October	21,411.22	4,841,434.00	4,042,225.03	799,208.97	10/01/20	10/31/20	15.50	12,387,739
11	November	21,411.22	3,292,814.00	3,965,678.03	(672,864.03)	11/01/20	11/30/20	15.00	(10,092,960)
12	December	22,064.26	4,779,343.00	4,865,506.52	(86,163.52)	12/01/20	12/31/20	15.50	(1,335,535)
13									
14	Total	257,587.68	55,252,962.00	55,927,132.77	(674,170.77)		Lead Days*	13.02	(8,774,421.28)
15									
16									

*Cash Received From Advances Before Revenue Booked

**Otter Tail Power Company
Lead/Lag Study
Other Electric Revenue - Load Control/Disp.
Acct 4110.4566**

(A) (B) (C) (D) (E) (F) (G) (H) (I)

Sched 24/System Operation BA Portion					
Line No.	(4)			(5)	
	Revenue			Revenue	Expenses
1	January	16,528.42		January	37,361.27 36.29
2	February	16,528.42		February	38,798.98 57.97
3	March	16,528.42		March	42,729.41 226.03
4	April	16,528.42		April	38,881.40 103.01
5	May	16,528.42		May	37,168.76 69.14
6	June	16,528.42		June	43,499.27 77.69
7	July	16,528.42		July	41,818.75 44.07
8	August	16,528.42		August	40,534.73 14.26
9	September	16,528.42		September	38,291.95 49.55
10	October	16,528.42		October	38,060.05 52.12
11	November	16,528.42		November	40,752.98 39.03
12	December	17,032.53		December	43,403.33 44.74
13					
14		198,845.15			481,300.88 813.90
15					
16		Lead Days (7)	(15.56)		(3,094,030.53)

- (1) Per FDW filtered to Acct-Sub 4110.4566
- (2) Used Oracle A/R Display to pull payment dates by Company
- (3) All monthly service periods are calendar months
- (4) Per GL Fire Account search, 4110.4566
- (5) Beginning in 2017, Schedule 24 revenue is found in GL Fire under account 4045.0240
- (6) Per spreadsheet on Monthly Partner Advances and Actual Expenses for Coyote kept on file
- (7) Abstracted from "Rent Revenue from Electric Property" Page 5 of 9. Analysis of Advances and Expenses related to Big Stone Plant.

**Coyote
Year 2020**

Line No.	(A)	(B)	(C)	(D)	(E)	(F)
	Cash Advances	NWPS	MDU	MPC	OTP	Total
1	Balance 1/1/20	\$ 148,586,222.00	\$ 365,942,613.00	\$ 439,063,277.00	\$ 509,172,888.00	\$1,462,765,000.00
2	January	698,542.00	1,775,769.00	2,168,069.00	2,557,620.00	7,200,000.00
3	February	529,162.00	1,234,441.00	1,560,701.00	1,875,696.00	5,200,000.00
4	March	785,708.00	1,858,715.00	2,303,222.00	2,688,141.00	7,635,786.00
5	April	797,472.00	1,812,735.00	2,276,458.00	2,713,335.00	7,600,000.00
6	May	758,709.00	1,802,770.00	2,220,605.00	2,617,916.00	7,400,000.00
7	June	827,023.00	1,958,003.00	2,487,084.00	2,927,890.00	8,200,000.00
8	July	762,714.00	1,585,679.00	2,075,424.00	2,376,183.00	6,800,000.00
9	August	910,212.00	1,844,222.00	2,521,066.00	2,924,500.00	8,200,000.00
10	September	880,562.00	1,633,898.00	2,270,406.00	2,515,134.00	7,300,000.00
11	October	866,976.00	1,678,455.00	2,296,003.00	2,558,566.00	7,400,000.00
12	November	574,347.00	1,143,148.00	1,575,319.00	1,707,186.00	5,000,000.00
13	December	774,360.00	1,794,499.00	2,210,484.00	2,520,657.00	7,300,000.00
14		<u>\$157,752,009.00</u>	<u>\$386,064,947.00</u>	<u>\$465,028,118.00</u>	<u>\$539,155,712.00</u>	<u>\$1,548,000,786.00</u>
15						
16	O&M Expense	NWPS	MDU	MPC	OTP	Total
17	Balance 1/1/20	\$ 132,081,198.41	\$ 324,534,620.69	\$ 389,463,877.74	\$ 451,325,846.17	\$1,297,405,543.01
18	January	775,695.71	1,833,687.48	2,273,187.20	2,653,101.65	7,535,672.04
19	February	758,035.54	1,714,144.31	2,158,149.40	2,575,307.60	7,205,636.85
20	March	748,868.08	1,778,167.77	2,191,082.21	2,583,472.50	7,301,590.56
21	April	819,425.87	1,939,009.61	2,464,292.45	2,901,300.07	8,124,028.00
22	May	708,430.56	1,449,970.32	1,912,573.56	2,186,189.61	6,257,164.05
23	June	812,140.09	1,599,042.76	2,226,851.22	2,581,250.20	7,219,284.27
24	July	877,463.94	1,626,152.94	2,261,111.82	2,504,290.72	7,269,019.42
25	August	765,303.61	1,424,275.03	1,990,986.71	2,202,713.35	6,383,278.70
26	September	690,884.98	1,434,492.98	1,924,932.86	2,115,069.24	6,165,380.06
27	October	682,939.92	1,565,947.84	1,936,222.69	2,200,686.02	6,385,796.47
28	November	585,035.71	1,452,875.80	1,811,598.07	2,040,422.59	5,889,932.17
29	December	724,645.88	1,815,637.61	2,259,825.50	2,551,063.62	7,351,172.61
30		<u>\$141,030,068.30</u>	<u>\$344,168,025.14</u>	<u>\$414,874,691.43</u>	<u>\$480,420,713.34</u>	<u>\$1,380,493,498.21</u>
31						
32	Capital	NWPS	MDU	MPC	OTP	Total
33	Balance 1/1/20	\$ 16,058,441.65	\$ 40,146,104.10	\$ 48,178,323.07	\$ 56,204,537.72	\$160,587,406.54
34	January	20,257.36	50,643.41	60,772.09	70,900.71	202,573.57
35	February	26,893.98	67,234.94	80,681.93	94,128.86	268,939.71
36	March	13,723.45	34,308.65	41,170.37	48,032.05	137,234.52
37	April	13,723.83	34,309.57	41,171.48	48,033.37	137,238.25
38	May	16,029.61	40,074.06	48,088.83	56,103.63	160,296.13
39	June	89,875.73	224,689.27	269,627.16	314,564.99	898,757.15
40	July	27,840.62	69,601.58	83,521.89	97,442.23	278,406.32
41	August	71,698.17	179,245.45	215,094.52	250,943.57	716,981.71
42	September	11,551.74	28,879.31	34,655.18	40,431.03	115,517.26
43	October	(21,982.36)	(54,955.92)	(65,947.14)	(76,938.37)	(219,823.79)
44	November	17,872.07	44,680.17	53,616.21	62,552.24	178,720.69
45	December	10,061.16	25,152.90	30,183.47	35,214.04	100,611.57
46		<u>\$16,355,987.01</u>	<u>\$40,889,967.49</u>	<u>\$49,070,959.06</u>	<u>\$57,245,946.07</u>	<u>\$163,562,859.63</u>
47						
48		365,953.69	1,006,954.37	1,082,467.51	1,489,052.59	3,944,428.16
49						
50	Total Cash Advances		\$1,548,000,786.00			
51	Total O&M Expenses		(1,380,493,498.21)			
52	Total Capital		(163,562,859.63)			
53	Plant's forecast for current month SOC + Capital		(7,832,273.00)			
54			<u>(\$3,887,844.84)</u>			
55						
56		NWPS	MDU	MPC	OTP	Total
57	February 5	160,000.00	400,000.00	480,000.00	560,000.00	1,600,000.00
58	Fuel reconciliation on last SOC	(9,961.00)	(21,074.00)	51,815.00	(20,780.00)	0.00
59	Reagent recon on last SOC	(301.00)	(637.00)	1,566.00	(628.00)	0.00
60	Carbon recon on last SOC	(107.00)	(227.00)	557.00	(223.00)	0.00
61	Conv. tax recon on last SOC	(102.00)	(218.00)	536.00	(216.00)	0.00
62	Net February 5	149,529.00	377,844.00	534,474.00	538,153.00	1,600,000.00
63	February 12	160,000.00	400,000.00	480,000.00	560,000.00	1,600,000.00
64	February 20	160,000.00	400,000.00	480,000.00	560,000.00	1,600,000.00
65	February 26	160,000.00	400,000.00	480,000.00	560,000.00	1,600,000.00
66		<u>629,529.00</u>	<u>1,577,844.00</u>	<u>1,974,474.00</u>	<u>2,218,153.00</u>	<u>6,400,000.00</u>

Otter Tail Power Company
Lead/Lag Study
Summary of Lag Time in Payment of Expenses

Line No.	(A) Description of Expense	(B) Accounts	(C) Total Utility Operating Expense Excluding Investment Tax Credit Adjustment	(D) Lag Days	(E) Dollar Days
1	Fuel				
2	Coal (Excl. Handling)	501	44,571,148 (1)	19.11 (12)	851,754,638
3	Oil	501	1,725,077 (1)	8.88 (13)	15,318,684
4	Total fuel	501	46,296,225 (2)	18.73	867,073,322
5					
6	Purchased Power	555	28,704,004 (3)	32.77 (14)	940,630,211
7					
8	Labor & Related Expenses				
9	Wages & Salaries		44,844,030 (5)	13.52 (15)	606,291,286
10	Associated Payroll Expenses		28,686,205 (5)	5.72 (16)	164,085,093
11	Total Labor Expenses		73,530,235 (4)	10.48	770,376,378
12					
13	Other O&M Related Expenses				
14	Property Insurance	924	2,088,069 (6)	0.00 (17)	0
15	Injuries & Damages	925	2,041,068 (7)	0.00 (17)	0
16	Provision for Uncollectible Accounts	904	2,989,833 (8)	0.00 (17)	0
17	Operating & Maintenance, Materials & Supplies		1,341,583 (9)	0.00 (17)	0
18	All Other O&M Expenses (Approx)		102,069,740 (10)	13.52 (18)	1,379,982,881
19	Subtotal - Other O&M Related Expenses		110,530,293	12.49	1,379,982,881
20	Total O&M Related Expenses		259,060,757	15.28	3,958,062,792
21	(excluding Disposition of Allowances)				
22					
23	Depreciation Expense	403,404,405,406, 407	65,319,299 (11)	0.00 (17)	0
24	Property Taxes	408.1	17,026,036 (11)	320.60 (19)	5,458,547,142
25	Federal Income Taxes	409.1	(708,807) (11)	0.00 (20)	0
26	State Income Taxes*	409.1	655,524 (11)	131.88 (20)	86,450,505
27	Provision for Deferred Income Taxes	410.1, 411.1	12,683,572 (11)	0.00 (17)	0
28	Accretion Expense	411.10	570,303 (11)	0.00 (17)	0
29	Total Utility Operating Expenses		354,606,684	26.80	9,503,060,439
30					
31	FERC Form 1, Page 114		354,606,684		
32	(excluding ITC Adjustment and Regulatory Debits & Credits)				
33					
34	Tax Collections Available - FICA Withholding			0.00 (21)	
35					
36	Tax Collections Available - Federal Withholding			0.00 (21)	
37					
38	Tax Collections Available - State Withholding- (MN)			2.13 (21)	
39					
40	Tax Collections Available - State Withholding- (ND)			61.23 (21)	
41					
42	Tax Collections Available - State Sales Tax			13.19 (21)	
43					
44	Tax Collections Available - Franchise Taxes			36.86 (21)	
45					
46	Tax Collections Available - SD Gross Receipts Tax			350.78 (21)	

- (1) Fuel Expense Analysis Workpapers - Page 1; 2020 COSS workpaper - A-7 Page 2
- (2) Fuel Expense Analysis Workpapers - Page 1
- (3) Purchased Power Expense Summary Workpapers - Page 1; FERC Form 1 Page 327.2 Total Less MISO and SPP
- (4) Ties to FERC Form 1, Page 354, line 28
- (5) Salaries and Wages Analysis File; "Summary" Worksheet
- (6) FERC Form 1, Page 323 Line 185
- (7) FERC Form 1, Page 323 Line 186
- (8) FERC Form 1, Page 322 Line 162
- (9) See Note in Materials and Supplies Analysis File
- (10) Balance of O&M Expenses Excluding All Other Accounts
- (11) Balance Per FERC Form 1 - Page 114
- (12) Fuel Expense Analysis File; "Fuel Lag Sum" Worksheet; Page 1
- (13) Fuel Oil Expense Analysis File; "Fuel Oil Expense Analysis" Worksheet
- (14) Purchase Power Exp Summary File; "Purch Power Sum" Worksheet; Page 1
- (15) Salaries and Wages Analysis File; "Overall Summary" Worksheet; Page 1
- (16) Payroll Expense Analysis File; "Assoc PR Exp" Worksheet; Page 1
- (17) Prepaid or Noncash Impacting Item - No Lead/Lag Days
- (18) Accts Payable Analysis File; "Summary" Worksheet; Page 1
- (19) Property Tax Analysis File; Page 2
- (20) Income Tax Exp Analysis File
- (21) Tax Collection Analysis File; "Tax Collections" Worksheet; Page 1

* Individual states use jurisdictional amounts

Otter Tail Power Company
Lead/Lag Study
Fuel Analysis
2020

Line No.	(A)	(B)	(C)	(D)	(E)
		Expense \$'s		Days Lead/(Lag)	\$ Lag Days
1	Big Stone Plant				
2	Coal, Freight, & Rail Car Maint.	34,846,701.33	(1)		
3	Less: Other Partners Share	45.8% (15,965,441.08)	(2)		
4	OTP Share 53.1 %	54.2% 18,881,260.25		13.87	261,845,796.13
5					
6					
7	Unit Train Costs				
8	Depreciation (N/A as Rail Cars are Leased, not Owned)	-	(3)	0.00	-
9	Lease/Storage Expense	866,926.80	(6)	(17.32)	(15,012,872.60)
10	Rail Car Taxes	11,242.48	(4)	598.17	6,724,868.19
11	Property Insurance (N/A - Self-Insured)	-	(5)	0.00	-
12	Total Big Stone	19,759,429.53		12.83	253,557,791.72
13					
14	Hoot Lake Plant				
15	Coal, Freight, & Rail Car Maintenance	5,799,674.20	(1)	15.21	88,188,264.05
16					
17					
18	Unit Train Costs				
19	Depreciation (N/A as Rail Cars are Leased, not Owned)	-	(3)	0.00	-
20	Lease Expense	-	(9)	0.00	-
21	Rail Car Taxes	-	(4)	0.00	-
22	Property Insurance (N/A - Self-Insured)	-	(5)	0.00	-
23	Total Hoot Lake	5,799,674.20		15.21	88,188,264.05
24					
25					
26	Coyote Plant				
27	Coal, Freight, & Rail Car Maint.	58,022,139.98	(1)		
28	Less: Other Partners Share	64.1% (37,219,448.79)	(2)		
29	OTP Share 53.1 %	35.9% 20,802,691.19		26.16	544,236,704.36
30					
31					
32		<u>46,361,794.92</u>		<u>19.11</u>	<u>885,982,760.12</u>
33					
34	Amount per 2020 Financial Statements	46,296,224.39	(7)	19.11	884,729,694.80
35					
36	Amount per 2020 COSS	46,296,224.00	(8)	19.11	884,729,687.34

- (1) Page 3
- (2) Partner Share (From Page 3)
- (3) Per Acctg, OTP no longer owns rail cars so there is no depreciation expense; rail cars are now leased.
- (4) Per Tax Department; See Page 5
- (5) Per Risk Management
- (6) Per GL Fire; See Page 6
- (7) Page 2; Includes \$1,550,749 of Fuel Oil Expense Analyzed Separately
- (8) Per 2020 COSS Work Paper A-7, Page 2
- (9) Hoot Lake Plant lease expense not included here because HL coal generation was discontinued in 2021

Note: There are no property tax leads to calc for rail cars at Coyote as the plant is located adjacent to the mine and the coal is conveyed over to the plant.

Otter Tail Power Company
Lead/Lag Study
Analysis of what is being charged to the Expense Account for Fuel

Line No.	Expense Account		Dec Amount	YTD Amount	% of Total	Accounts Analyzed
1	50101 SO-FUEL	Big Stone	1,918,271.10	18,793,903.47	41.34%	41.34%
2	50101 SO-FUEL	Hoot Lake	865,631.54	5,799,674.20	12.76%	12.76%
3	50101 SO-FUEL	Coyote	1,800,644.06	20,307,748.95	44.67%	44.67%
4	50101 BS and Coyote Fuel Reconciliations		45,833.36	223,018.30	0.49%	223,018
	Cost Center					
5	50100 0350 - Project Management		-	-	0.00%	
6	50100 0460 - System Engineering		-	-	0.00%	
7	50100 0530 - Building Services		-	-	0.00%	
8	50100 0670 - FERC/RTO Policy		-	-	0.00%	
9	50100 0780 - Supply Support		-	-	0.00%	
10	50100 0960 - Accounting Transactions		(3,497.87)	(3,497.87)	-0.01%	
11	50100 1020 - Hoot Lake Plant		10,655.70	157,775.91	0.35%	
12	50100 1130 - BSP-Operations		4,443.00	72,736.94	0.16%	
13	50100 1140 - BSP-Yard		13,978.38	212,242.31	0.47%	
14	50100 1190 - BSP-Partners Share		(8,492.25)	(131,375.44)	-0.29%	
15	50100 1200 - Coyote-Administrative		-	-	0.00%	
16	50100 1230 - Coyote-Operations		-	35,896.50	0.08%	
17	50100 1240 - Coyote-Yard		3,035.49	52,131.22	0.11%	
18	50100 1290 - COY-Partners Share		(1,973.07)	(57,218.07)	-0.13%	
19						
20			4,648,529	45,463,036 (1)	100.00%	98.76%
21						45,124,345
22	547 Operating Exp-Other Power Generation - Fuel			1,171,879 (1)		1,171,879
23				46,634,916 (3)		46,296,224 (2);(3)

(1) Ties to FERC Form 1, Page 320 & 321

(2) Ties to 2020 Financial Statements

(3) Includes \$1,550,749 of Fuel Oil Expense which is analyzed separately

Otter Tail Power Company
Lead/Lag Study
Fuel Analysis -Detail of Fuel Expense
2020

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
Line No.	Cost Centers 1130 & 1190 Big Stone Plant													
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
1	JE 27 Adjust BSP to OTP Share	(1,762,759)	(1,479,650)	(1,636,169)	(1,486,511)	(96,891)	(719,202)	(1,648,485)	(1,783,522)	(1,052,652)	(1,040,098)	(1,635,807)	(1,623,695)	(15,965,441)
2	JE 27 Adjust BSP to OTP Share	(1,173)	(4,655)	(1,862)	(6,303)	(14,747)	(24,495)	(4,705)	(1,175)	(2,460)	(16,457)	(13,742)	(16,978)	(108,751)
3	JE 25 Record Fuel Expense	3,823,773	3,209,652	3,549,173	3,224,536	210,176	1,560,091	3,575,889	3,868,812	2,269,658	2,256,179	3,548,389	3,514,472	34,610,799
4	JE 17 Dispatch													0
5	JE 24 Fuel Oil Burned	2,544	10,097	4,039	13,672	31,989	53,134	10,205	2,548	5,337	35,699	29,808	36,829	235,902
6	OTP Total	2,062,385	1,735,445	1,915,181	1,745,394	130,527	869,528	1,932,905	2,086,663	1,219,883	1,235,322	1,928,648	1,910,628	18,772,509
7	Total All Partners	3,826,317	3,219,749	3,553,212	3,238,208	242,164	1,613,225	3,586,094	3,871,360	2,274,995	2,291,878	3,578,197	3,551,301	34,846,701
8		-46.07%	-45.96%	-46.05%	-45.91%	-40.01%	-44.58%	-45.97%	-46.07%	-46.27%	-45.38%	-45.72%	-45.72%	-45.82%
9														
10														
11														
12														
13	Cost Center 1020 - Hoot Lake Plant													
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
15	JE 56 Subbit Burned	1,053,956	874,962	589,081	90,628	68,435	166,193	596,549	303,078		647,216	394,517	855,521	5,640,136
16	JE 56 Fuel Oil Burned	15,265	18,924	15,377	4,113	3,477	7,956	23,544	27,530	47	23,331	9,864	10,111	159,538
17	OTP Total	1,069,220	893,886	604,458	94,742	71,912	174,150	620,093	330,608	47	670,547	404,380	865,632	5,799,674
18														
19														
20														
21														
22														
23	Cost Centers 1230 & 1290 Coyote Plant													
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
25	JE 69 Adjust Coyote to OTP Share	(3,028,589)	(3,386,441)	(2,926,098)	(3,421,998)	(2,870,116)	(3,243,050)	(3,687,173)	(3,130,709)	(2,609,190)	(3,050,353)	(2,578,130)	(3,287,600)	(37,219,449)
26	JE 69 Adjust Coyote to OTP Share	(62,765)	(68,307)	(55,402)	(44,062)	(52,350)	(33,393)	(10,980)	(37,494)	(10,938)	(32,598)	(30,201)	(56,453)	(494,942)
27	JE 37 Lignite Burned	4,659,368	5,209,910	4,501,689	5,264,612	4,415,563	4,989,308	5,672,574	4,816,475	4,014,139	4,692,851	3,966,355	5,057,847	57,260,690
28	JE 37 Fuel Oil Burned	96,561	105,088	85,234	67,787	80,538	51,374	16,892	57,682.73	16,828	50,150	46,463	86,850	761,450
29	OTP Total	1,664,575	1,860,249	1,605,423	1,866,340	1,573,635	1,764,239	1,991,313	1,705,955	1,410,838	1,660,051	1,404,486	1,800,644	20,307,749
30	Total All Partners	4,755,929	5,314,998	4,586,923	5,332,399	4,496,101	5,040,682	5,689,466	4,874,158	4,030,967	4,743,002	4,012,817	5,144,697	58,022,140
31		-63.68%	-63.71%	-63.79%	-64.17%	-63.84%	-64.34%	-64.81%	-64.23%	-64.73%	-64.31%	-64.25%	-63.90%	

**Otter Tail Power Company
 Lead/Lag Study
 Fuel Analysis - Big Stone Plant
 2020**

(A) (B) (C) (D) (E) (F) (G) (H)

Line No.		\$ Billed	Lag Days	\$ Lag Days				
1	Coal	3,960,523	14.76	58,476,398				
2	Freight	7,935,086	13.42	106,492,203				
3		<u>11,895,609</u>	13.87	<u>164,968,601</u>				
4								
19	3 month				3 month			
20	Sample Peabody Energy				Sample Burlington Northern			
21		Days	Total	Dollar Days		Days	Total	Dollar Days
22	Feb	14.57	1,300,625.28	18,948,010.87	Feb	11.84	2,939,800.00	34,798,000.00
23	Jul	10.90	264,802.10	2,885,499.34	Jul	8.46	506,000.00	4,279,000.00
24	Oct	14.53	265,843.55	3,862,319.86	Oct	10.01	477,650.00	4,780,600.00
25								
26								
27								
28								
29								
30		<u>14.03</u>	<u>1,831,270.93</u>	<u>25,695,830.07</u>		<u>11.18</u>	<u>3,923,450.00</u>	<u>43,857,600.00</u>
31								

Totals are from "Fuel Days Lead Calc" Excel Spreadsheet; See Page 14

Otter Tail Power Company
Working Capital Analysis
2019 Big Stone Private Rail Car Taxes Payable in 2020

	(A)	(B)	(C)	(D)	(E)	(F)
Line No.		Payment Amount Due	2019 Lag	2020 Payment Due Date	2020 Lag	\$\$\$ Times Lag Days
1	<i>WYOMING</i>					
2	Entire Year: Jan 1 - Dec 31, 2019	3,328.00	183.00	12/31/20	549.00	1,827,072.00
3						
4						
5						
6	<i>MONTANA</i>					
7	1st half: Jan 1 - June 30, 2019	8,765.02	183.00	11/28/20	518.00	4,540,280.36
8	2nd half: July 1 - Dec 31, 2019	8,765.01	183.00	05/31/21	697.00	6,109,212.00
9		<u>17,530.03</u>			<u>607.50</u>	<u>10,649,492.36</u>
10						
11						
12	TOTAL	<u>20,858.03</u>			<u>598.17</u>	<u>12,476,564.36</u>
13						
14	Less: Other Partners Share - 46.1%	<u>(9,615.55)</u>				
15						
16	OTP Share - 53.9%	<u>11,242.48</u>			<u>598.17</u>	<u>6,724,868.19</u>

Note: Rail car taxes are paid to the respective states listed above for use of the rail lines in their state. The tax is calculated based on the following: market value of the cars; total number of cars in the fleet; total number of car miles traveled during the year in their state and a state allocation percentage.

Note: Payments for Wyoming and Montana Rail Car taxes for 2019 expense are not due and will not be paid until some time in the future. For analytical purposes in this lead/lag study the due date of the taxes owed will be used as the date of payment as it is known they will be paid by then and usually are paid very close to the due date. Any variance in when they are actually paid and the actual due date will be immaterial to the lead calc.

**Otter Tail Power Company
 Analysis of Rail Car Lease/Storage Pmts
 Year 2020**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)
Line No.			(1) Expense	(1) Beg. Service Period	(1) End Service Period	(1) Avg Service Days	(2) Payment Date	(2) Amount Paid	Remaining Balance	Days from End of Service To Payment	Total (Lead)/Lag Days	\$ Days
1		Jan	15,000.00	01/01/20	01/31/20	15.5	12/27/19	15,000.00	-	(35.00)	(19.50)	(292,500.00)
2		Feb	15,000.00	02/01/20	02/29/20	14.5	01/30/20	15,000.00	-	(30.00)	(15.50)	(232,500.00)
3		Mar	15,000.00	03/01/20	03/31/20	15.5	02/26/20	15,000.00	-	(34.00)	(18.50)	(277,500.00)
4		Apr	15,000.00	04/01/20	04/30/20	15.0	03/27/20	15,000.00	-	(34.00)	(19.00)	(285,000.00)
5		May	15,000.00	05/01/20	05/31/20	15.5	04/29/20	15,000.00	-	(32.00)	(16.50)	(247,500.00)
6		Jun	15,000.00	06/01/20	06/30/20	15.0	05/27/20	15,000.00	-	(34.00)	(19.00)	(285,000.00)
7		Jul	15,000.00	07/01/20	07/31/20	15.5	06/18/20	15,000.00	-	(43.00)	(27.50)	(412,500.00)
8		Aug	15,000.00	08/01/20	08/31/20	15.5	07/29/20	15,000.00	-	(33.00)	(17.50)	(262,500.00)
9		Sep	15,000.00	09/01/20	09/30/20	15.0	08/27/20	15,000.00	-	(34.00)	(19.00)	(285,000.00)
10		Oct	15,000.00	10/01/20	10/31/20	15.5	09/29/20	15,000.00	-	(32.00)	(16.50)	(247,500.00)
11		Nov	15,000.00	11/01/20	11/30/20	15.0	10/28/20	15,000.00	-	(33.00)	(18.00)	(270,000.00)
12		Dec	15,000.00	12/01/20	12/31/20	15.5	12/15/20	15,000.00	-	(16.00)	(0.50)	(7,500.00)
13												
14		Total	180,000.00				Avg (Lead)Lag Days				(17.25)	(3,105,000.00)

Line No.			(3) Expense	(3) Beg. Service Period	(3) End Service Period	(3) Avg Service Days	(2) Payment Date	(2) Amount Paid	Remaining Balance	Days from End of Service To Payment	Total (Lead)/Lag Days	\$ Days
1		Jan	57,726.80	01/01/20	01/31/20	15.5	12/27/19	57,726.80	-	(35.00)	(19.50)	(1,125,672.60)
2		Feb	57,200.00	02/01/20	02/29/20	14.5	01/29/20	57,200.00	-	(31.00)	(16.50)	(943,800.00)
3		Mar	57,200.00	03/01/20	03/31/20	15.5	02/26/20	57,200.00	-	(34.00)	(18.50)	(1,058,200.00)
4		Apr	57,200.00	04/01/20	04/30/20	15.0	03/27/20	57,200.00	-	(34.00)	(19.00)	(1,086,800.00)
5		May	57,200.00	05/01/20	05/31/20	15.5	05/01/20	57,200.00	-	(30.00)	(14.50)	(829,400.00)
6		Jun	57,200.00	06/01/20	06/30/20	15.0	05/28/20	57,200.00	-	(33.00)	(18.00)	(1,029,600.00)
7		Jul	57,200.00	07/01/20	07/31/20	15.5	06/29/20	57,200.00	-	(32.00)	(16.50)	(943,800.00)
8		Aug	57,200.00	08/01/20	08/31/20	15.5	07/29/20	57,200.00	-	(33.00)	(17.50)	(1,001,000.00)
9		Sep	57,200.00	09/01/20	09/30/20	15.0	08/28/20	57,200.00	-	(33.00)	(18.00)	(1,029,600.00)
10		Oct	57,200.00	10/01/20	10/31/20	15.5	10/02/20	57,200.00	-	(29.00)	(13.50)	(772,200.00)
11		Nov	57,200.00	11/01/20	11/30/20	15.0	10/28/20	57,200.00	-	(33.00)	(18.00)	(1,029,600.00)
12		Dec	57,200.00	12/01/20	12/31/20	15.5	11/27/20	57,200.00	-	(34.00)	(18.50)	(1,058,200.00)
13												
14		Total	686,926.80				Avg (Lead)Lag Days				(17.33)	(11,907,872.60)
15												
16		Total	866,926.80				Total Ave (Lead)Lag Days				(17.32)	(15,012,872.60)

- (1) Per Lease Contract
- (2) Per GL Fire or Oracle A/P Display; Search by Vendor Name and Ck #
- (3) Per Lease Contract

**Otter Tail Power Company
 Lead/Lag Study
 Fuel Analysis - Coyote Plant
 2020**

(A) (B) (C) (D)

Line No.		\$ Billed	Lag Days	\$ Lag Days
1	Coal	14,740,567	26.16	385,640,382
2	Freight (N/A)	0	0.00	0
3		<u>14,740,567</u>	26.16	<u>385,640,382</u>
4				
5			(1)	
6	3 Month	Dakota Westmoreland Corp		
7	Sample	Days	Total	Dollar Days
8	Feb	24.75	5,154,500.69	127,572,371.69
9	Jul	27.36	5,270,796.97	144,201,196.31
10	Oct	26.39	4,315,269.67	113,866,814.33
11				
12				
13				
14				
15				
16				
17				
18				
19		<u>26.16</u>	<u>14,740,567.33</u>	<u>385,640,382.33</u>

(1) Totals are from "Fuel Days Lead Calc" Excel spreadsheet; see Page 22

Note: The Coyote Plant is located next to the mine so there is no rail expense to analyze for hauling coal as it is brought over on a conveyor directly from the mine.

Case No. PU-23- Lead Lag Study

2020 Lead-Lag Study
Fuel Days Lead Calculations
Page 3 of 8

Otter Tail Power Company Lead-Lag Study Fuel Costs Big Stone Plant

October 2020													
Line No.	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	(1)	(3)	(3)	Amount Remaining	Days	(2)	(2)	Number of Cars	Rate/Car	4.50% SD Tax	5.00% WY Tax	(2)	Dollar Days
1	10/22/20	11/09/20	134,005.83	-	18	14,154.000	9.06	117	2050.00	5,770.59		134,005.83	2,412,104.94
2	10/29/20	11/09/20	131,837.72	-	11	13,925.000	9.06	116	2050.00	5,677.22		131,837.72	1,450,214.92
3				-	0					0.00		-	-
4				-	0					0.00		-	-
5				-	0					0.00		-	-
6				-	0					0.00		-	-
7				-	0					0.00		-	-
8				-	0					0.00		-	-
9				-	0							-	-
10				-	0							-	-
11				-	0							-	-
12				-	0							-	-
13				-	0							-	-
14				-	0							-	-
15				-	0							-	-
16				-	0							-	-
17				-	0							-	-
18				-	0							-	-
19				-	0							-	-
20				-	0							-	-
21			265,843.55		14.53	28,079.000						265,843.55	3,862,319.86
22													

October 2020									
Line No.	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)
	(1)	(3)	Days	(2)	(2)	(4)	(4)	(2)	Dollar Days
1	10/22/20	11/03/20	12	14,154.000	2.050	117		239,850.00	2,878,200.00
2	10/29/20	11/06/20	8	13,925.000	2.050	116		237,800.00	1,902,400.00
3								-	-
4								-	-
5								-	-
6								-	-
7								-	-
8								-	-
9								-	-
10								-	-
11								-	-
12								-	-
13								-	-
14								-	-
15								-	-
16								-	-
17								-	-
18								-	-
19								-	-
20								-	-
21								-	-
22								-	-
				10.01	28,079.000			477,650.00	4,780,600.00

- (1) Delivered date is from Train Report from Big Stone Plant.
- (2) Data received from BSP
- (3) Payment dates and amounts were found by searching Oracle A/P Display by Company and Invoice Amount
- (4) Per actual invoices received from Documentum - used GL File and drilled down to individual invoices.

Otter Tail Power Company
Lead-Lag Study Fuel Costs
Big Stone Plant

(A) (B) (C) (D) (E) (F) (G) (H)

Line No.	3 month Sample 2020	Days	Total	Dollar Days
1	Feb	14.57	1,300,625.28	18,948,010.87
2	Jul	10.90	264,802.10	2,885,499.34
3	Oct	14.53	265,843.55	3,862,319.86
4		14.03	1,831,270.93	25,695,830.07
5				

3 month Sample 2020	Days	Total	Dollar Days
Feb	11.84	2,939,800.00	34,798,000.00
Jul	8.46	506,000.00	4,279,000.00
Oct	10.01	477,650.00	4,780,600.00
	11.18	3,923,450.00	43,857,600.00

Source: Info abstracted from monthly detail sheets. See Pages 11 - 13.

**Otter Tail Power Company
 Lead-Lag Study Fuel Costs
 Coyote Plant**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
February 2020								
Line No.	(1) Date Delivered	(2) Date Paid	Days	(1) Allocation based (tons)	Allocation based on payment %	(1) Rate/ton	(1) Total	(1) Dollar Days
1	02/03/20	03/11/20	37	8,753.0	7,275.5	27.64	201,119.45	7,441,419.58
2	02/03/20	03/11/20	37		1,477.5	27.64	40,843.31	1,511,202.63
3	02/04/20	03/11/20	36	12,122.0	10,075.8	27.64	278,529.64	10,027,067.09
4	02/04/20	03/11/20	36		2,046.2	27.64	56,563.77	2,036,295.63
5	02/05/20	03/11/20	35	13,226.0	10,993.5	27.64	303,896.47	10,636,376.53
6	02/05/20	03/11/20	35		2,232.5	27.64	61,715.26	2,160,034.12
7	02/06/20	03/11/20	34	7,798.0	6,481.7	27.64	179,176.22	6,091,991.49
8	02/06/20	03/11/20	34		1,316.3	27.64	36,387.09	1,237,160.93
9	02/07/20	03/11/20	33	6,291.0	5,229.1	27.64	144,549.58	4,770,136.04
10	02/07/20	03/11/20	33		1,061.9	27.64	29,355.11	968,718.68
11	02/10/20	03/11/20	30	7,830.0	6,508.3	27.64	179,911.49	5,397,344.72
12	02/10/20	03/11/20	30		1,321.7	27.64	36,536.40	1,096,092.14
13	02/11/20	03/11/20	29	11,833.0	9,835.6	27.64	271,889.23	7,884,787.67
14	02/11/20	03/11/20	29		1,997.4	27.64	55,215.23	1,601,241.77
15	02/12/20	03/11/20	28	12,209.0	10,148.1	27.64	280,528.66	7,854,802.42
16	02/12/20	03/11/20	28		2,060.9	27.64	56,969.73	1,595,152.37
17	02/13/20	03/11/20	27	9,467.0	7,869.0	27.64	217,525.17	5,873,179.60
18	02/13/20	03/11/20	27		1,598.0	27.64	44,174.99	1,192,724.63
19	02/14/20	03/11/20	26	5,733.0	4,765.3	27.64	131,728.30	3,424,935.76
20	02/14/20	03/11/20	26		967.7	27.64	26,751.37	695,535.56
21	02/17/20	03/11/20	23	5,229.0	4,346.3	27.64	120,147.79	2,763,399.14
22	02/17/20	03/11/20	23		882.7	27.64	24,399.60	561,190.78
23	02/18/20	03/11/20	22	9,615.0	7,992.0	27.64	220,925.80	4,860,367.52
24	02/18/20	03/11/20	22		1,623.0	27.64	44,865.59	987,042.87
25	02/19/20	03/11/20	21	13,072.0	10,865.4	27.64	300,357.98	6,307,517.65
26	02/19/20	03/11/20	21		2,206.6	27.64	60,996.66	1,280,929.95
27	02/20/20	03/11/20	20	14,084.0	11,706.6	27.64	323,610.91	6,472,218.23
28	02/20/20	03/11/20	20		2,377.4	27.64	65,718.87	1,314,377.33
29	02/21/20	03/11/20	19	2,440.0	2,028.1	27.64	56,064.37	1,065,223.08
30	02/21/20	03/11/20	19		411.9	27.64	11,385.55	216,325.38
31	02/24/20	03/11/20	16	6,082.0	5,055.4	27.64	139,747.34	2,235,957.47
32	02/24/20	03/11/20	16		1,026.6	27.64	28,379.87	454,077.98
33	02/25/20	03/11/20	15	11,672.0	9,701.8	27.64	268,189.90	4,022,848.51
34	02/25/20	03/11/20	15		1,970.2	27.64	54,463.97	816,959.61
35	02/26/20	03/11/20	14	15,823.0	13,152.1	27.64	363,568.27	5,089,955.72
36	02/26/20	03/11/20	14		2,670.9	27.64	73,833.40	1,033,667.62
37	02/27/20	03/11/20	13	7,972.0	6,626.3	27.64	183,174.25	2,381,265.30
38	02/27/20	03/11/20	13		1,345.7	27.64	37,199.01	483,587.08
39	02/28/20	03/11/20	12	5,213.0	4,333.0	27.64	119,780.15	1,437,361.84
40	02/28/20	03/11/20	12		880.0	27.64	24,324.94	291,899.28
41								
42			24.75	186,464.00			5,154,500.69	127,572,371.69

(1) Data received from Supervisor Business, Coyote Station
 (2) Payment dates from OTPAP015 report by vendor

**Otter Tail Power Company
 Lead-Lag Study Fuel Costs
 Coyote Plant**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
July 2020								
Line No.	(1) Date Delivered	(2) Date Paid	Days	(1) (tons)	Allocation based on payment %	(1) Rate/ton	(1) Total	(1) Dollar Days
1	07/01/20	08/12/20	42	9,725.0	8,135.0	26.89	218,747.22	9,187,383.10
2	07/01/20	08/12/20	42		1,590.0	26.89	42,755.73	1,795,740.75
3	07/02/20	08/12/20	41	11,001.0	9,202.3	26.89	247,448.65	10,145,394.69
4	07/02/20	08/12/20	41		1,798.7	26.89	48,365.64	1,982,991.07
5	07/03/20	08/12/20	40	9,531.0	7,972.7	26.89	214,383.52	8,575,340.76
6	07/03/20	08/12/20	40		1,558.3	26.89	41,902.82	1,676,112.63
7	07/06/20	08/12/20	37	6,035.0	5,048.3	26.89	135,746.99	5,022,638.54
8	07/06/20	08/12/20	37		986.7	26.89	26,532.73	981,711.18
9	07/07/20	08/12/20	36	10,850.0	9,076.0	26.89	244,052.16	8,785,877.93
10	07/07/20	08/12/20	36		1,774.0	26.89	47,701.77	1,717,263.65
11	07/08/20	08/12/20	35	9,165.0	7,666.5	26.89	206,150.98	7,215,284.16
12	07/08/20	08/12/20	35		1,498.5	26.89	40,293.71	1,410,279.69
13	07/09/20	08/12/20	34	13,682.0	11,445.0	26.89	307,753.15	10,463,607.23
14	07/09/20	08/12/20	34		2,237.0	26.89	60,152.59	2,045,188.02
15	07/10/20	08/12/20	33	5,703.0	4,770.6	26.89	128,279.22	4,233,214.13
16	07/10/20	08/12/20	33		932.4	26.89	25,073.10	827,412.45
17	07/13/20	08/12/20	30	3,348.0	2,800.6	26.89	75,307.53	2,259,225.75
18	07/13/20	08/12/20	30		547.4	26.89	14,719.40	441,582.08
19	07/14/20	08/12/20	29	14,186.0	11,866.6	26.89	319,089.77	9,253,603.34
20	07/14/20	08/12/20	29		2,319.4	26.89	62,368.41	1,808,683.98
21	07/15/20	08/12/20	28	8,557.0	7,157.9	26.89	192,475.06	5,389,301.61
22	07/15/20	08/12/20	28		1,399.1	26.89	37,620.65	1,053,378.14
23	07/16/20	08/12/20	27	8,856.0	7,408.0	26.89	199,200.55	5,378,414.86
24	07/16/20	08/12/20	27		1,448.0	26.89	38,935.19	1,051,250.24
25	07/17/20	08/12/20	26	6,298.0	5,268.3	26.89	141,662.72	3,683,230.77
26	07/17/20	08/12/20	26		1,029.7	26.89	27,689.01	719,914.20
27	07/20/20	08/12/20	23	5,099.0	4,265.3	26.89	114,693.27	2,637,945.23
28	07/20/20	08/12/20	23		833.7	26.89	22,417.63	515,605.55
29	07/21/20	08/12/20	22	12,312.0	10,299.0	26.89	276,937.35	6,092,621.71
30	07/21/20	08/12/20	22		2,013.0	26.89	54,129.42	1,190,847.16
31	07/22/20	08/12/20	21	4,847.0	4,054.5	26.89	109,024.96	2,289,524.21
32	07/22/20	08/12/20	21		792.5	26.89	21,309.72	447,504.13
33	07/23/20	08/12/20	20	10,473.0	8,760.7	26.89	235,572.20	4,711,443.91
34	07/23/20	08/12/20	20		1,712.3	26.89	46,044.30	920,885.93
35	07/24/20	08/12/20	19	3,650.0	3,053.2	26.89	82,100.50	1,559,909.46
36	07/24/20	08/12/20	19		596.8	26.89	16,047.14	304,895.63
37	07/27/20	08/12/20	16	9,676.0	8,094.0	26.89	217,645.05	3,482,320.73
38	07/27/20	08/12/20	16		1,582.0	26.89	42,540.30	680,644.88
39	07/28/20	08/12/20	15	13,481.0	11,276.9	26.89	303,232.00	4,548,480.05
40	07/28/20	08/12/20	15		2,204.1	26.89	59,268.90	889,033.46
41	07/29/20	08/12/20	14	7,257.0	6,070.5	26.89	163,233.78	2,285,272.98
42	07/29/20	08/12/20	14		1,186.5	26.89	31,905.23	446,673.20
43	07/30/20	08/12/20	13	4,839.0	4,047.8	26.89	108,845.02	1,414,985.21
44	07/30/20	08/12/20	13		791.2	26.89	21,274.55	276,569.14
45	07/31/20	08/12/20	12	7,444.0	6,226.9	26.89	167,440.03	2,009,280.35
46	07/31/20	08/12/20	12		1,217.1	26.89	32,727.37	392,728.44
47								
48			27.36	196,015.00			5,270,796.97	144,201,196.31

(1) Data received from Supervisor Business, Coyote Station
 (2) Payment dates from OTPAP015 report by vendor

**Otter Tail Power Company
 Lead-Lag Study Fuel Costs
 Coyote Plant**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
October 2020								
Line No.	(1) Date Delivered	(2) Date Paid	Days	(1) Allocation based (tons)	on payment %	(1) Rate/ton	(1) Total	(1) Dollar Days
1	10/01/20	11/12/20	42	3,665.0	2,937.1	26.57	78,051.27	3,278,153.53
2	10/01/20	11/12/20	42		727.9	26.57	19,342.38	812,379.95
3	10/02/20	11/12/20	41	6,473.0	5,187.5	26.57	137,851.54	5,651,913.21
4	10/02/20	11/12/20	41		1,285.5	26.57	34,161.86	1,400,636.34
5	10/05/20	11/12/20	38	6,004.0	4,811.6	26.57	127,863.53	4,858,814.30
6	10/05/20	11/12/20	38		1,192.4	26.57	31,686.67	1,204,093.49
7	10/06/20	11/12/20	37	10,886.0	8,724.0	26.57	231,832.52	8,577,803.13
8	10/06/20	11/12/20	37		2,162.0	26.57	57,451.88	2,125,719.62
9	10/07/20	11/12/20	36	12,369.0	9,912.5	26.57	263,415.07	9,482,942.36
10	10/07/20	11/12/20	36		2,456.5	26.57	65,278.55	2,350,027.89
11	10/08/20	11/12/20	35	6,075.0	4,868.5	26.57	129,375.58	4,528,145.23
12	10/08/20	11/12/20	35		1,206.5	26.57	32,061.38	1,122,148.29
13	10/09/20	11/12/20	34	4,031.0	3,230.4	26.57	85,845.75	2,918,755.63
14	10/09/20	11/12/20	34		800.6	26.57	21,273.98	723,315.28
15	10/12/20	11/12/20	31	9,147.0	7,330.4	26.57	194,798.09	6,038,740.86
16	10/12/20	11/12/20	31		1,816.6	26.57	48,274.15	1,496,498.55
17	10/13/20	11/12/20	30	8,179.0	6,554.7	26.57	174,183.19	5,225,495.56
18	10/13/20	11/12/20	30		1,624.3	26.57	43,165.44	1,294,963.09
19	10/14/20	11/12/20	29	4,418.0	3,540.6	26.57	94,087.46	2,728,536.26
20	10/14/20	11/12/20	29		877.4	26.57	23,316.41	676,175.82
21	10/15/20	11/12/20	28	2,917.0	2,337.7	26.57	62,121.57	1,739,404.07
22	10/15/20	11/12/20	28		579.3	26.57	15,394.74	431,052.72
23	10/16/20	11/12/20	27	2,982.0	2,389.8	26.57	63,505.84	1,714,657.66
24	10/16/20	11/12/20	27		592.2	26.57	15,737.78	424,920.15
25	10/19/20	11/12/20	24	9,477.0	7,594.9	26.57	201,825.90	4,843,821.64
26	10/19/20	11/12/20	24		1,882.1	26.57	50,015.75	1,200,378.06
27	10/20/20	11/12/20	23	11,360.0	9,103.9	26.57	241,927.01	5,564,321.15
28	10/20/20	11/12/20	23		2,256.1	26.57	59,953.46	1,378,929.60
29	10/21/20	11/12/20	22	13,744.0	11,014.4	26.57	292,697.60	6,439,347.28
30	10/21/20	11/12/20	22		2,729.6	26.57	72,535.24	1,595,775.36
31	10/22/20	11/12/20	21	7,816.0	6,263.7	26.57	166,452.60	3,495,504.50
32	10/22/20	11/12/20	21		1,552.3	26.57	41,249.67	866,243.07
33	10/23/20	11/12/20	20	3,173.0	2,542.8	26.57	67,573.45	1,351,469.00
34	10/23/20	11/12/20	20		630.2	26.57	16,745.80	334,916.08
35	10/26/20	11/12/20	17	7,971.0	6,388.0	26.57	169,753.54	2,885,810.11
36	10/26/20	11/12/20	17		1,583.0	26.57	42,067.70	715,150.85
37	10/27/20	11/12/20	16	13,798.0	11,057.7	26.57	293,847.61	4,701,561.74
38	10/27/20	11/12/20	16		2,740.3	26.57	72,820.23	1,165,123.74
39	10/28/20	11/12/20	15	1,638.0	1,312.7	26.57	34,883.49	523,252.34
40	10/28/20	11/12/20	15		325.3	26.57	8,644.70	129,670.47
41	10/29/20	11/12/20	14	9,470.0	7,589.3	26.57	201,676.83	2,823,475.57
42	10/29/20	11/12/20	14		1,880.7	26.57	49,978.81	699,703.33
43	10/30/20	11/12/20	13	6,794.0	5,444.7	26.57	144,687.68	1,880,939.88
44	10/30/20	11/12/20	13		1,349.3	26.57	35,855.97	466,127.60
45								
46								
47			26.39	162,387.00			4,315,269.67	113,866,814.33

(1) Data received from Supervisor Business, Coyote Station
 (2) Payment dates from OTPAP015 report by vendor

**Otter Tail Power Company
 Lead-Lag Study Fuel Costs
 Coyote Plant**

(A) (B) (C) (D)

Line No.	3 month Sample 2020	Days	Total	Dollar Days
1	Feb	24.75	5,154,500.69	127,572,371.69
2	Jul	27.36	5,270,796.97	144,201,196.31
3	Oct	26.39	4,315,269.67	113,866,814.33
4		26.16	14,740,567.33	385,640,382.33

Source: Info abstracted from monthly detail sheets. See Pages 19 - 21.

Otter Tail Power Company
Lead/Lag Study
Fuel Oil Analysis
2020

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
Line No.	Supplier	(1) Invoice Date	(1) Invoice Date	(2) Paid Date	Days	(1) Amount	\$ Days
1		334245	01/16/20	01/22/20	6	123,843.30	743,059.80
2		334354	03/19/20	03/25/20	6	120,396.65	722,379.90
3		IN477507	08/19/20	09/09/20	21	10,329.31	216,915.51
4		IN477566	08/19/20	09/09/20	21	10,327.84	216,884.64
5		IN477568	08/19/20	09/09/20	21	10,474.78	219,970.38
6		IN477578	08/19/20	09/09/20	21	10,327.84	216,884.64
7		IN477614	08/19/20	09/09/20	21	10,626.08	223,147.68
8		IN477654A	08/19/20	09/09/20	21	10,908.32	229,074.72
9		IN477655A	08/19/20	09/09/20	21	10,908.32	229,074.72
10		274875	04/02/20	04/13/20	11	10,527.84	115,806.24
11		274876	04/02/20	04/13/20	11	10,534.86	115,883.46
12		274881	04/03/20	04/13/20	10	10,526.67	105,266.70
13		274882	04/03/20	04/13/20	10	10,536.03	105,360.30
14		274883	04/03/20	04/13/20	10	10,550.06	105,500.60
15		274886	04/04/20	04/13/20	9	10,546.55	94,918.95
16		274887	04/06/20	04/13/20	7	10,539.53	73,776.71
17		274888	04/06/20	04/13/20	7	10,548.89	73,842.23
18		274893	04/07/20	04/13/20	6	10,545.66	63,273.96
19		274891	04/07/20	04/13/20	6	10,547.72	63,286.32
20		2956938	01/22/20	01/31/20	9	17,486.09	157,374.81
21		2956942	01/22/20	01/30/20	8	17,666.61	141,332.88
22		2956944	01/22/20	01/30/20	8	17,670.40	141,363.20
23		2956941	01/22/20	01/30/20	8	18,054.20	144,433.60
24		2957861	01/23/20	01/30/20	7	17,482.30	122,376.10
25		2958147	01/24/20	01/30/20	6	18,044.71	108,268.26
26		269500	02/20/20	03/05/20	14	177.10	2,479.40
27		269502	02/20/20	03/05/20	14	502.53	7,035.42
28		269501	02/20/20	03/05/20	14	6,424.95	89,949.30
29		2992940	04/24/20	05/01/20	7	8,914.69	62,402.83
30		2992939	04/24/20	05/01/20	7	8,915.70	62,409.90
31		2992941	04/24/20	05/01/20	7	9,117.30	63,821.10
32		2993092	04/24/20	05/01/20	7	9,117.30	63,821.10
33		2993093	04/24/20	05/01/20	7	9,117.30	63,821.10
34		2992937	04/24/20	05/01/20	7	9,121.35	63,849.45
35		2992938	04/24/20	05/01/20	7	9,121.35	63,849.45
36		2993091	04/24/20	05/01/20	7	9,628.88	67,402.16
37		2993917	04/28/20	05/01/20	3	9,117.30	27,351.90
38		2993915	04/28/20	05/01/20	3	9,118.31	27,354.93
39		IN11857720	10/01/20	10/22/20	21	418.40	8,786.40
40		IN12071520	10/06/20	10/20/20	14	9,375.72	131,260.08
41		IN13402020	10/22/20	11/02/20	11	12,038.72	132,425.92
42		IN13401920	10/22/20	11/02/20	11	12,450.62	136,956.82
43		IN13402120	10/22/20	11/02/20	11	12,453.75	136,991.25
44		IN13402220	10/23/20	11/02/20	10	12,450.99	124,509.90
45		IN13402320	10/26/20	11/02/20	7	12,452.37	87,166.59
46		IN13402420	10/26/20	11/02/20	7	12,455.13	87,185.91
47		IN13592120	10/27/20	11/02/20	6	12,401.52	74,409.12
48		620328	01/23/20	01/28/20	5	20,656.19	103,280.95
49		620276	01/23/20	01/28/20	5	20,652.06	103,260.30
50		620308	01/23/20	01/28/20	5	20,652.04	103,260.20
51		620291	01/23/20	01/28/20	5	20,650.00	103,250.00
52		620321	01/23/20	01/28/20	5	20,650.00	103,250.00
53		620306	01/16/20	01/28/20	12	20,652.04	247,824.48
54		627363	03/16/20	03/24/20	8	12,788.72	102,309.76
55		627371	03/16/20	03/24/20	8	12,791.28	102,330.24
56		627387	03/16/20	03/24/20	8	12,801.51	102,412.08
57		627386	03/16/20	03/24/20	8	12,788.76	102,310.08
58		627389	03/16/20	03/24/20	8	12,787.49	102,299.92
59		627400	03/17/20	03/24/20	7	12,790.04	89,530.28
60		627414	03/17/20	03/24/20	7	12,802.83	89,619.81
61		627372	03/20/20	03/24/20	4	12,755.74	51,022.96
62		627399	03/20/20	03/24/20	4	12,804.09	51,216.36
63		INV00089194	03/26/20	04/01/20	6	10,706.60	64,239.60
64		INV00089195	03/26/20	04/01/20	6	11,660.24	69,961.44
65		INV00089196	03/26/20	04/01/20	6	11,593.46	69,560.76
66		INV00089197	03/26/20	04/01/20	6	11,719.45	70,316.70
67		INV00089198	03/26/20	04/01/20	6	11,734.56	70,407.36
68		INV00089199	03/26/20	04/01/20	6	11,719.45	70,316.70
69		INV00089200	03/26/20	04/01/20	6	11,594.72	69,568.32
70		INV00088686	03/23/20	03/30/20	7	11,594.72	81,163.04
71		INV00088687	03/25/20	03/30/20	5	11,597.24	57,986.20
72		INV00088688	03/25/20	03/30/20	5	10,707.86	53,539.30
73		INV00088689	03/25/20	03/30/20	5	11,595.99	57,979.95
74		INV00088690	03/25/20	03/30/20	5	12,412.29	62,061.45
75		INV00088691	03/20/20	03/30/20	10	11,613.63	116,136.30
76		INV00088189	03/24/20	03/30/20	6	11,593.46	69,560.76
77		INV00088190	03/24/20	03/30/20	6	11,594.72	69,568.32
78		INV00088191	03/24/20	03/30/20	6	11,719.45	70,316.70
79		INV00088192	03/24/20	03/30/20	6	11,592.21	69,553.26
80		INV00088193	03/24/20	03/30/20	6	11,594.72	69,568.32
81		INV00087869	03/23/20	03/30/20	7	11,664.02	81,648.14

**Otter Tail Power Company
Lead/Lag Study
Fuel Oil Analysis
2020**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
Line No.	(1) Supplier	(1) Invoice Date	(2) Paid Date	(1) Days	(1) Amount	(1) \$ Days	
82		INV00087870	03/23/20	03/30/20	7	11,598.50	81,189.50
83		INV00087871	03/23/20	03/30/20	7	11,588.42	81,118.94
84		INV00087872	03/23/20	03/30/20	7	11,592.21	81,145.47
85		INV00089954	03/27/20	04/03/20	7	11,595.99	81,171.93
86		INV00089955	03/27/20	04/03/20	7	11,589.69	81,127.83
87		INV00089956	03/27/20	04/03/20	7	11,593.46	81,154.22
88		111603	11/27/20	12/02/20	5	11,854.74	59,273.70
89		903628	01/14/20	01/24/20	10	15,503.20	155,032.00
90		36674	02/23/20	03/04/20	10	14,500.20	145,002.00
91		91794	03/05/20	03/16/20	11	13,222.06	145,442.66
92		95587	04/07/20	04/17/20	10	9,637.89	96,378.90
93		1101	06/03/20	06/12/20	9	8,462.11	76,158.99
94		4662	07/02/20	07/13/20	11	10,368.65	114,055.15
95		53188	08/11/20	08/21/20	10	10,758.70	107,587.00
96		7613	07/28/20	08/07/20	10	10,700.25	107,002.50
97		11000	08/24/20	09/03/20	10	10,845.62	108,456.20
98		11881	08/31/20	09/18/20	18	10,746.45	193,436.10
99		928870	10/19/20	10/28/20	9	10,901.63	98,114.67
100		930010	10/30/20	12/07/20	38	10,197.00	387,486.00
101		933968	12/21/20	12/31/20	10	13,586.09	135,860.90
102		931875	11/21/20	01/04/21	44	11,600.96	510,442.24
103		456128	06/24/20	06/26/20	2	150.80	301.60
104		31675	03/25/20	03/27/20	2	176.71	353.42
105		31700	04/01/20	04/06/20	5	176.76	883.80
106		31702	04/02/20	04/07/20	5	176.76	883.80
107		31650	03/19/20	03/23/20	4	235.69	942.76
108		377559	03/24/20	04/08/20	15	5,192.54	77,888.10
109		377563	03/24/20	04/06/20	13	7,267.58	94,478.54
110		377566	03/24/20	04/06/20	13	11,859.84	154,177.92
111		377569	03/24/20	04/06/20	13	11,735.09	152,556.17
112		377572	03/24/20	04/06/20	13	4,818.29	62,637.77
113		377576	03/24/20	04/06/20	13	6,295.52	81,841.76
114		377580	03/24/20	04/06/20	13	11,116.29	144,511.77
115		377585	03/24/20	04/06/20	13	11,117.52	144,527.76
116		377612	03/24/20	04/06/20	13	12,355.14	160,616.82
117		377629	03/24/20	04/06/20	13	13,589.04	176,657.52
118		377635	03/24/20	04/06/20	13	12,841.78	166,943.14
119		377638	03/24/20	04/06/20	13	2,977.93	38,713.09
120		377642	03/24/20	04/06/20	13	12,348.97	160,536.61
121	Totals				8.89	1,550,749.49	13,781,415.63
122							
123							
124	Amount per 2020 COSS Workpaper A-7 page 2				8.89	1,725,077.00	15,330,653.52

(1) Per viewing copies of invoices in Documentum via GL Fire or ORACLE

(2) PerGL Fire or Oracle A/P Display; Performing search by vendor, invoice # and amount.

**Otter Tail Power Company
Lead/Lag Study
Summary of Purchased Power Expense
Actual Year 2020**

	(A)	(B)	(C)	(D)
Line No.		(1) Expense	(1) Lag Days	(1) \$ Lag Days
1		6,387,071.57	39.32	258,050,773.75
2		6,174,499.50	29.47	181,977,728.00
3		3,541,011.69	35.12	124,347,055.49
4		2,899,568.26	28.86	86,044,971.98
5		2,743,750.00	34.31	94,126,250.00
6		1,428,425.03	13.91	19,876,274.56
7		1,229,216.24	28.67	35,242,599.90
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18	Total Billings Analyzed	24,403,542.29	32.77	799,665,653.67
19				
20				
21				
22	Total of All Purchased Power	28,704,004.00 (2)		
23				
24		28,704,004.00	32.77	940,585,012.16
25				

(1) From "Detail Analysis" tab

(2) Ties to 2020 FERC Form 1 Page 327.2 (Total less MISO and SPP)

**Otter Tail Power Company
Lead/Lag Study
Analysis of Purchased Power Expenses
Actual Year 2020**

Line No.	Company	(A)	(B)	(C)	(D)	(E)	(F)	(G)
			(1)				% of Total	Cumulative Total
1			2,743,750.00			6,387,071.57	22.25%	22.25%
2			6,174,499.50			6,174,499.50	21.51%	43.76%
3			(2,533.26)			3,541,011.69	12.34%	56.10%
4			719,346.97			2,899,568.26	10.10%	66.20%
5			3,541,011.69			2,743,750.00	9.56%	75.76%
6			1,428,425.03			1,428,425.03	4.98%	80.74%
7			812,286.06			1,229,216.24	4.28%	85.02%
8			144,469.54			812,286.06	2.83%	87.85%
9			400,712.87			719,346.97	2.51%	90.35%
10			444,812.66			535,549.79	1.87%	92.22%
11			535,549.79			444,812.66	1.55%	93.77%
12			2,947.19			400,712.87	1.40%	95.17%
13			374,200.28			374,200.28	1.30%	96.47%
14			6,403.44			295,529.48	1.03%	97.50%
15			2,435.96			175,389.38	0.61%	98.11%
16			1,034.52			144,469.54	0.50%	98.61%
17			39,750.00			117,198.33	0.41%	99.02%
18			24,240.00			82,370.49	0.29%	99.31%
19			14,700.00			40,346.85	0.14%	99.45%
20			582.75			39,750.00	0.14%	99.59%
21			375.96			33,276.96	0.12%	99.70%
22			23,227.41			24,240.00	0.08%	99.79%
23			187.47			23,227.41	0.08%	99.87%
24			1,966.78			14,700.00	0.05%	99.92%
25			697.96			6,403.44	0.02%	99.94%
26			33,276.96			6,333.09	0.02%	99.96%
27			40,346.85			2,947.19	0.01%	99.97%
28			295,529.48			2,621.61	0.01%	99.98%
29			2,621.61			2,435.96	0.01%	99.99%
30			6,333.09			1,966.78	0.01%	100.00%
31			117,198.33			1,034.52	0.00%	100.00%
32			1,229,216.24			697.96	0.00%	100.00%
33			2,899,568.26			582.75	0.00%	100.01%
34			82,370.49			375.96	0.00%	100.01%
35			6,387,071.57			187.47	0.00%	100.01%
36			175,389.38			(2,533.26)	-0.01%	100.00%
37								
38								
39			28,704,002.83			28,704,002.83	100%	
40								
41						Total Amount Analyzed		24,403,542.29
42						Percent Analyzed		85.02%

(1) Purchase Power Excel Report - Regulatory Services

**Otter Tail Power Company
Lead/Lag Study
Detailed Analysis of Purchased Power Suppliers
Actual Year 2020**

(A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K)

Line No.	Month	(1)	(1)	(1)	(1)	(2)	(2)	(3)	Amount Paid	Amount Remaining	Total Lag Days	\$ Days	
		Revenue \$ Amount	Bill Adjustment	Curtailement Rev. \$ Amount	Curtailement Bill Adjustment	Payable \$ Amount	Avg Delivery Month Days	Month End					Payment Date
1	January	603,976.33	60,274.12	-	-	664,250.45	15.50	01/31/20	02/26/20	532,378.27	131,872.18	41.50	27,566,393.68
2	February	531,901.92	(72,074.41)	476.35	476.35	460,780.21	14.50	02/29/20	03/25/20	559,998.87	(99,218.66)	39.50	18,200,818.30
3	March	558,354.60	26,452.68	1,644.27	1,167.92	587,619.47	15.50	03/31/20	04/27/20	577,411.52	10,207.95	42.50	24,973,827.48
4	April	577,042.87	18,688.27	368.65	(1,275.62)	594,824.17	15.00	04/30/20	05/26/20	467,783.78	127,040.39	41.00	24,387,790.97
5	May	463,351.94	(113,690.93)	4,431.84	4,063.19	358,156.04	15.50	05/31/20	06/24/20	530,748.15	(172,592.11)	39.50	14,147,163.58
6	June	512,835.53	49,483.59	17,912.62	13,480.78	593,712.52	15.00	06/30/20	07/28/20	543,777.08	49,935.44	43.00	25,529,638.36
7	July	477,511.04	(35,324.49)	66,266.04	48,353.42	556,806.01	15.50	07/31/20	08/25/20	369,902.42	186,903.59	40.50	22,550,643.41
8	August	359,370.43	(118,140.61)	10,531.99	(55,734.05)	196,027.76	15.50	08/31/20	09/23/20	346,185.74	(150,157.98)	38.50	7,547,068.76
9	September	345,608.85	(13,761.58)	576.89	(9,955.10)	322,469.06	15.00	09/30/20	10/23/20	559,433.71	(236,964.65)	38.00	12,253,824.28
10	October	520,210.45	174,601.60	39,223.26	38,646.37	772,681.68	15.50	10/31/20	11/20/20	630,746.49	141,935.19	35.50	27,430,199.64
11	November	598,338.48	78,128.03	32,408.01	(6,815.25)	702,059.27	15.00	11/30/20	12/22/20	691,910.40	10,148.87	37.00	25,976,192.99
12	December	691,135.67	92,797.19	774.73	(31,633.28)	753,074.31	15.50	12/31/20	01/21/21	587,582.99	165,491.32	36.50	27,487,212.32
13		6,239,638.11	147,433.46	174,614.65	774.73	6,562,460.95						39.32	258,050,773.75

Line No.	Month	(1)	(1)	(1)	(1)	(2)	(2)	(3)	Amount Paid	Amount Remaining	Total Lag Days	\$ Days	
		Revenue \$ Amount	Bill Adjustment	Curtailement Rev. \$ Amount	Curtailement Bill Adjustment	Payable \$ Amount	Avg Delivery Month Days	Month End					Payment Date
1	January	-	-	-	-	-	15.50	01/31/20	02/13/20	225,879.99	(225,879.99)	28.50	0.00
2	February	225,879.99	225,879.99			451,759.98	14.50	02/29/20	03/17/20	300,053.00	151,706.98	31.50	14,230,439.37
3	March	300,053.00	74,173.01			374,226.01	15.50	03/31/20	04/09/20	283,293.48	90,932.53	24.50	9,168,537.25
4	April	282,726.89	(17,326.11)			265,400.78	15.00	04/30/20	05/29/20	212,041.35	53,359.43	44.00	11,677,634.32
5	May	212,041.35	(70,685.54)			141,355.81	15.50	05/31/20	06/09/20	219,644.18	(78,288.37)	24.50	3,463,217.35
6	June	219,644.18	7,602.83			227,247.01	15.00	06/30/20	07/15/20	258,574.95	(31,327.94)	30.00	6,817,410.30
7	July	211,739.10	(7,905.08)	46,835.85	46,835.85	297,505.72	15.50	07/31/20	08/12/20	175,222.23	122,283.49	27.50	8,181,407.30
8	August	169,603.66	(42,135.44)	5,618.57	(41,217.28)	91,869.51	15.50	08/31/20	09/15/20	150,730.36	(58,860.85)	30.50	2,802,020.06
9	September	147,516.53	(22,087.13)	3,213.83	(2,404.74)	126,238.49	15.00	09/30/20	10/09/20	258,816.65	(132,578.16)	24.00	3,029,723.76
10	October	243,636.58	96,120.05	15,180.07	11,966.24	366,902.94	15.50	10/31/20	11/12/20	272,214.37	94,688.57	27.50	10,089,830.85
11	November	260,912.88	17,276.30	11,301.49	(3,878.58)	285,612.09	15.00	11/30/20	12/09/20	313,017.39	(27,405.30)	24.00	6,854,690.16
12	December	312,907.05	51,994.17	110.34	(11,191.15)	353,820.41	15.50	12/31/20	01/12/21	272,272.25	81,548.16	27.50	9,730,061.28
13		2,586,661.21	312,907.05	82,260.15	110.34	2,981,938.75						28.86	86,044,971.98

**Otter Tail Power Company
Lead/Lag Study
Detailed Analysis of Purchased Power Suppliers
Actual Year 2020**

(A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K)

Line No.	Month	(1)	(1)	(2)	Avg Delivery Month Days	(2)	(3)	Amount Paid	Amount Remaining	Total Lag Days	\$ Days
		Revenue \$ Amount	Bill Adjustment	Payable \$ Amount		Month End	Payment Date				
1	January	114,670.96	5,579.69	120,250.65	15.50	01/31/20	02/18/20	62,305.98	57,944.67	33.50	4,028,396.78
2	February	62,305.98	(52,364.98)	9,941.00	14.50	02/29/20	03/11/20	135,020.32	(125,079.32)	25.50	253,495.50
3	March	135,020.32	72,714.34	207,734.66	15.50	03/31/20	04/13/20	116,139.14	91,595.52	28.50	5,920,437.81
4	April	116,139.14	(18,881.18)	97,257.96	15.00	04/30/20	05/12/20	115,835.41	(18,577.45)	27.00	2,625,964.92
5	May	115,835.41	(303.73)	115,531.68	15.50	05/31/20	06/15/20	113,202.10	2,329.58	30.50	3,523,716.24
6	June	113,202.10	(2,633.31)	110,568.79	15.00	06/30/20	07/15/20	94,794.31	15,774.48	30.00	3,317,063.70
7	July	94,794.31	(18,407.79)	76,386.52	15.50	07/31/20	08/12/20	68,219.88	8,166.64	27.50	2,100,629.30
8	August	68,219.88	(26,574.43)	41,645.45	15.50	08/31/20	09/15/20	78,833.86	(37,188.41)	30.50	1,270,186.23
9	September	78,833.86	10,613.98	89,447.84	15.00	09/30/20	10/13/20	143,463.15	(54,015.31)	28.00	2,504,539.52
10	October	143,463.15	64,629.29	208,092.44	15.50	10/31/20	11/10/20	139,042.68	69,049.76	25.50	5,306,357.22
11	November	139,042.68	(4,420.47)	134,622.21	15.00	11/30/20	12/14/20	78,389.86	56,232.35	29.00	3,904,044.09
12	December	78,389.86	(60,652.82)	17,737.04	15.50	12/31/20	01/12/21	96,514.26	(78,777.22)	27.50	487,768.60
13		1,259,917.65	(30,701.41)	1,229,216.24						28.67	35,242,599.90

Line No.	Month	(1)	(1)	(2)	Avg Delivery Month Days	(2)	(3)	Amount Paid	Amount Remaining	Total Lag Days	\$ Days
		Revenue \$ Amount	Bill Adjustment	Payable \$ Amount		Month End	Payment Date				
1	January	137,144.16	-	137,144.16	15.50	01/31/20	01/29/20	137,144.16	-	13.50	1,851,446.16
2	February	129,743.29	-	129,743.29	14.50	02/29/20	03/05/20	129,743.29	-	19.50	2,529,994.16
3	March	106,994.88	-	106,994.88	15.50	03/31/20	04/02/20	106,994.88	-	17.50	1,872,410.40
4	April	128,818.83	-	128,818.83	15.00	04/30/20	04/27/20	128,818.83	-	12.00	1,545,825.96
5	May	113,389.86	-	113,389.86	15.50	05/31/20	05/28/20	113,389.86	-	12.50	1,417,373.25
6	June	109,409.43	-	109,409.43	15.00	06/30/20	06/30/20	109,409.43	-	15.00	1,641,141.45
7	July	129,882.19	-	129,882.19	15.50	07/31/20	07/30/20	129,882.19	-	14.50	1,883,291.76
8	August	116,764.57	-	116,764.57	15.50	08/31/20	08/26/20	116,764.57	-	10.50	1,226,027.99
9	September	114,058.15	-	114,058.15	15.00	09/30/20	09/28/20	114,058.15	-	13.00	1,482,755.95
10	October	119,917.07	-	119,917.07	15.50	10/31/20	10/26/20	119,917.07	-	10.50	1,259,129.24
11	November	110,528.77	-	110,528.77	15.00	11/30/20	11/30/20	110,528.77	-	15.00	1,657,931.55
12	December	111,773.83	-	111,773.83	15.50	12/31/20	12/29/20	111,773.83	-	13.50	1,508,946.71
13		1,428,425.03	-	1,428,425.03						13.91	19,876,274.56

**Otter Tail Power Company
Lead/Lag Study
Detailed Analysis of Purchased Power Suppliers
Actual Year 2020**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
Line No.	Month	(1) Revenue \$ Amount	(1) Bill Adjustment	(2) Payable \$ Amount	Avg Delivery Month Days	(2) Month End	(3) Payment Date	Amount Paid	Amount Remaining	Total Lag Days	\$ Days
1	January	327,761.95	6,632.63	334,394.58	15.50	01/31/20	02/20/20	408,742.42	(74,347.84)	35.50	11,871,007.59
2	February	408,742.42	80,980.47	489,722.89	14.50	02/29/20	03/19/20	376,901.64	112,821.25	33.50	16,405,716.82
3	March	376,901.64	(31,840.78)	345,060.86	15.50	03/31/20	04/20/20	375,668.56	(30,607.70)	35.50	12,249,660.53
4	April	375,668.56	(1,233.08)	374,435.48	15.00	04/30/20	05/18/20	305,634.53	68,800.95	33.00	12,356,370.84
5	May	305,634.53	(70,034.03)	235,600.50	15.50	05/31/20	06/19/20	263,463.28	(27,862.78)	34.50	8,128,217.25
6	June	263,463.28	(42,171.25)	221,292.03	15.00	06/30/20	07/23/20	316,103.17	(94,811.14)	38.00	8,409,097.14
7	July	316,103.17	52,639.89	368,743.06	15.50	07/31/20	08/21/20	197,673.73	171,069.33	36.50	13,459,121.69
8	August	197,673.73	(118,429.44)	79,244.29	15.50	08/31/20	09/21/20	208,002.30	(128,758.01)	36.50	2,892,416.59
9	September	208,002.30	10,328.57	218,330.87	15.00	09/30/20	10/19/20	197,298.89	21,031.98	34.00	7,423,249.58
10	October	197,298.89	(10,703.41)	186,595.48	15.50	10/31/20	11/24/20	219,260.56	(32,665.08)	39.50	7,370,521.46
11	November	219,260.56	21,961.67	241,222.23	15.00	11/30/20	12/29/20	332,814.99	(91,592.76)	44.00	10,613,778.12
12	December	332,814.99	113,554.43	446,369.42	15.50	12/31/20	01/14/21	359,229.77	87,139.65	29.50	13,167,897.89
13		3,529,326.02	11,685.67	3,541,011.69						35.12	124,347,055.49

Line No.	Month	(1) Revenue \$ Amount	(1) Bill Adjustment	(2) Payable \$ Amount	Avg Delivery Month Days	(2) Month End	(3) Payment Date	Amount Paid	Amount Remaining	Total Lag Days	\$ Days
1	January	495,364.00	-	495,364.00	15.50	01/31/20	02/13/20	495,364.00	-	28.50	14,117,874.00
2	February	465,384.50	-	465,384.50	14.50	02/29/20	03/12/20	465,384.50	-	26.50	12,332,689.25
3	March	560,978.00	-	560,978.00	15.50	03/31/20	04/09/20	560,978.00	-	24.50	13,743,961.00
4	April	601,635.50	-	601,635.50	15.00	04/30/20	05/14/20	601,635.50	-	29.00	17,447,429.50
5	May	530,483.00	-	530,483.00	15.50	05/31/20	06/11/20	530,483.00	-	57.00	30,237,531.00
6	June	555,892.50	-	555,892.50	15.00	06/30/20	07/10/20	555,892.50	-	25.00	13,897,312.50
7	July	465,376.00	-	465,376.00	15.50	07/31/20	08/12/20	465,376.00	-	27.50	12,797,840.00
8	August	443,882.50	-	443,882.50	15.50	08/31/20	09/14/20	443,882.50	-	29.50	13,094,533.75
9	September	566,684.50	-	566,684.50	15.00	09/30/20	10/09/20	566,684.50	-	24.00	13,600,428.00
10	October	518,440.00	-	518,440.00	15.50	10/31/20	11/12/20	518,440.00	-	27.50	14,257,100.00
11	November	481,909.00	-	481,909.00	15.00	11/30/20	12/11/20	481,909.00	-	26.00	12,529,634.00
12	December	488,470.00	-	488,470.00	15.50	12/31/20	01/13/21	488,470.00	-	28.50	13,921,395.00
13		6,174,499.50	0	6,174,499.50						29.47	181,977,728.00

**Otter Tail Power Company
Lead/Lag Study
Detailed Analysis of Purchased Power Suppliers
Actual Year 2020**

(A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K)

Line No.	Month	(1) Revenue \$ Amount	(1) Bill Adjustment	(2) Payable \$ Amount	(2) Avg Delivery Month Days	(2) Month End	(3) Payment Date	Amount Paid	Amount Remaining	Total Lag Days	\$ Days
1	January	226,750.00	-	226,750.00	15.50	01/31/20	02/18/20	226,750.00	-	33.50	7,596,125.00
2	February	226,750.00	-	226,750.00	14.50	02/29/20	03/17/20	226,750.00	-	31.50	7,142,625.00
3	March	226,750.00	-	226,750.00	15.50	03/31/20	04/15/20	226,750.00	-	30.50	6,915,875.00
4	April	226,750.00	-	226,750.00	15.00	04/30/20	06/22/20	226,750.00	-	68.00	15,419,000.00
5	May	226,750.00	-	226,750.00	15.50	05/31/20	06/16/20	226,750.00	-	31.50	7,142,625.00
6	June	230,000.00	-	230,000.00	15.00	06/30/20	07/15/20	230,000.00	-	30.00	6,900,000.00
7	July	230,000.00	-	230,000.00	15.50	07/31/20	08/17/20	230,000.00	-	32.50	7,475,000.00
8	August	230,000.00	-	230,000.00	15.50	08/31/20	09/15/20	230,000.00	-	30.50	7,015,000.00
9	September	230,000.00	-	230,000.00	15.00	09/30/20	10/14/20	230,000.00	-	29.00	6,670,000.00
10	October	230,000.00	-	230,000.00	15.50	10/31/20	11/16/20	230,000.00	-	31.50	7,245,000.00
11	November	230,000.00	-	230,000.00	15.00	11/30/20	12/15/20	230,000.00	-	30.00	6,900,000.00
12	December	230,000.00	-	230,000.00	15.50	12/31/20	01/18/21	230,000.00	-	33.50	7,705,000.00
13		2,743,750.00	-	2,743,750.00						34.31	94,126,250.00

- (1) Purchased Power Excel Reports - From Regulatory Services
- (2) Viewed Invoices - Copies kept on file
- (3) Per Oracle A/P & A/R Display; Search By Company and Invoice Amount to View Pmt Date

**Otter Tail Power Company
Lead/Lag Study
Salaries and Wages Analysis
Actual Year 2020**

	(A)	(B)	(C)	(D)	(E)
Line No.		(1) O&M Salaries & Wages	% of Total	(2) Lag Days	Weighted Avg
1	Monthly Wage-Hour Exempt	17,954,995	40.00%	15.22	273,275,028
2					
3					
4	Monthly Not Wage-Hour Exempt	3,373,116	7.52%	15.64	52,755,533
5					
6					
7	Semi-Monthly	17,450,576	38.88%	9.00	157,055,183
8					
9					
10	Semi-Monthly Non-Union	1,003,912	2.24%	7.60	7,629,735
11					
12					
13	Hourly Paid Union	4,657,658	10.38%	22.80	106,194,604
14					
15					
16	Hourly Paid Non-Union	<u>443,772</u>	0.99%	<u>22.80</u>	<u>10,118,011</u>
17					
18	Analyzed Totals	44,884,030		13.52	607,028,094

(1) From Sheet "Summary" (Page 3)

(2) From Sheet "Unloaded Labor Summary" (Page 2)

**Otter Tail Power Company
Lead/Lag Study
Unloaded Payroll by Pay Category**

(A)	(B)	(C)	(D)	(E)	
Line No.		(1) 2020 Totals	(2) Lag Days	(1) X (2) Dollar Days	
1	Monthly Wage-Hour Exempt	Reg	24,053,142.94	15.2	365,607,772.69
2		O/T	14,051.77	45.6	640,760.71
3		Other	385,075.56	15.2	5,853,148.51
4		Prem	3,263,167.20	15.2	49,600,141.44
5	Subtotal		27,715,437.47	15.22	421,701,823.35
6					
7	Monthly Not Wage-Hour Exempt	Reg	4,284,185.46	15.2	65,119,618.99
8		O/T	68,193.20	45.6	3,109,609.92
9		Other	97,679.57	15.2	1,484,729.46
10		Prem	267,161.99	15.2	4,060,862.25
11	Subtotal		4,717,220.22	15.64	73,774,820.62
12					
13	Semi-Monthly	Reg	29,719,879.24	7.6	225,871,082.22
14		O/T	3,145,102.47	22.8	71,708,336.32
15		Other	547,019.86	7.6	4,157,350.94
16		Prem	778,025.38	7.6	5,912,992.89
17	Subtotal		34,190,026.95	9.00	307,649,762.36
18					
19	Semi-Monthly Non-Union	Reg	1,309,888.47	7.6	9,955,152.37
20		O/T	-	22.8	-
21		Other	19,772.96	7.6	150,274.50
22		Prem	74,285.59	7.6	564,570.48
23	Subtotal		1,403,947.02	7.60	10,669,997.35
24					
25	Hourly Paid Union	Reg	5,798,958.28	22.8	132,216,248.78
26		O/T	637,382.46	22.8	14,532,320.09
27		Other	2,439.00	22.8	55,609.20
28		Prem	74,841.28	22.8	1,706,381.18
29	Subtotal		6,513,621.02	22.80	148,510,559.26
30					
31	Hourly Paid Non-Union	Reg	581,591.49	22.8	13,260,285.97
32		O/T	851.05	22.8	19,403.94
33		Other	2,250.00	22.8	51,300.00
34		Prem	35,912.33	22.8	818,801.12
35	Subtotal		620,604.87	22.80	14,149,791.04
36					
37	Total		75,160,857.55	12.99	976,456,753.98

- (1) From Sheet "Unloaded Detail by Pay Group" Wage and Salary Summary Information
(2) Per Original Study-No changes have been made to pay schedules.

Otter Tail Power Co.
Lead/Lag Study
Calculation of Unloaded O&M Payroll

Line No.	Payroll Category	(B) Total Unloaded Payroll Less Construction Labor (Includes Only OIP Share of BS & Covote)	(C)	(D) Reconciling Adjustments	(F) Clearing Account			(H) Clearing A/C's	(I) Total Clearing A/C's & Adj.	(J) Total Loaded Payroll Excluding Clearing	(K) Annual Average Loading Factor	(L) Approximate Total O&M P/R Unloaded	(M) Loading
					(E) Transportation 184.1-0.2	(F) Fleet Service 184.5	(G) Stores 163						
1	Monthly Wage Hour Exempt	25,109,622	40.00%	4,320,739	(3)	(3)	0	0	29,430,361	29,430,361	1.6391183	17,954,995	11,475,366
2	Monthly Not Wage Hour Exempt	4,717,220	7.52%	811,716			0	0	5,528,936	5,528,936	1.6391183	3,373,116	2,155,820
3	Semi-Monthly	24,404,204	38.88%	4,199,354			0	0	28,603,558	28,603,558	1.6391183	17,450,576	11,152,982
4	Semi-Monthly Non-Union	1,403,947	2.24%	241,584			0	0	1,645,531	1,645,531	1.6391183	1,003,912	641,619
5	Hourly Paid Union	6,513,621	10.38%	1,120,832			0	0	7,634,453	7,634,453	1.6391183	4,657,658	2,976,795
6	Hourly Paid Non-Union	620,605	0.99%	106,791			0	0	727,395	727,395	1.6391183	443,772	283,623
		62,769,219	100.00%	10,801,016	0	0	0	0	73,570,235	73,570,235		44,884,030	28,686,205
		62,769,219		10,801,016	0	0	0	0	73,570,235	73,570,235		44,884,030	28,686,205

- (1) See Page 4; Unloaded Detail by Pay Group
- (2) Reconciling amount to tie distribution to FERC Form 1 Report, Page 354, Line 28. Allocated based on percentages in column C.
- (3) There are no Clearing Account amounts to analyze
- (4) Total Clearing Account columns
- (5) Total Unloaded + Adjustment + Clearing Amount
- (6) Total Amount - Clearing Amount
- (7) See "Payroll Expense Analysis" File and "Actual Loading Totals" tab for Detail; Per Payroll Accountant, Payroll Loading Factor is the same across all pay groups
- (8) Total Loaded Payroll excluding Clearing Amounts divided by Loading Factor
- (9) Total Loaded Payroll excluding Clearing Amounts less Unloaded Payroll
- (10) Ties to FERC Form 1, Page 354, Line 28, Column C
- (11) Ties to FERC Form 1, Page 354, Line 28, Column B

**Case No. PU-23-
Lead Lag Study**

2020 Lead-Lag Study
Salaries and Wages Analysis
Page 4 of 5

**Otter Tail Power Company
Lead/Lag Study
Salaries and Wages Analysis
Actual Year 2020**

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(P)	(Q)
Line No.		15-Jan	31-Jan	14-Feb	21-Feb	28-Feb	13-Mar	31-Mar	15-Apr	30-Apr	15-May	29-May	15-Jun	30-Jun	15-Jul		
1	Monthly Wage-Hour Exempt	Reg	7,886	2,011,002	8,348	0	1,986,238	8,138	1,959,993	8,138	1,948,630	8,138	1,940,554	10,730	1,941,703	11,018	
2		O/T	1,812	757	610	0	291	0	2,208	0	197	0	704	145	180		
3		Other	59	216,285	7	0	13,354	7	12,820	7	14,917	7	15,130	7	12,771	20	
4		Prem	90,807	402	119,100	1,276,446	637,581	89	116,824	174,069	112,408	2,589	89	95	96,254	89	
5		Lost															
6		Subtotal	100,563	2,228,447	128,065	1,276,446	2,637,463	8,234	2,091,846	182,215	2,076,151	10,734	1,955,772	11,536	2,050,872	11,307	
7	Less: Non-Union Unloaded																
8	Construction Labor																
9																	
10	Total Wages to Use for Analysis																
11																	
12	Monthly Not Wage-Hour Exempt	Reg	2,022	345,363	2,022	0	342,792	2,022	341,139	2,173	349,661	2,173	350,128	2,298	348,380	2,173	
13		O/T	0	10,820	0	0	7,936	0	1,814	0	1,168	0	1,050	0	5,300	0	
14		Other	50	54,491	50	0	3,262	50	3,181	50	3,246	50	5,696	50	3,196	50	
15		Prem	0	636	0	139,087	0	0	2,976	0	2,028	0	636	29,802	28,785	0	
16		Lost															
17		Subtotal	2,072	411,310	2,072	139,087	353,990	2,072	349,110	2,223	356,102	2,223	357,510	32,150	385,660	2,223	
18																	
19	Semi-Monthly	Reg	1,232,564	1,238,962	1,259,527	0	1,242,615	1,233,401	1,248,715	1,241,032	1,258,122	1,252,593	1,277,186	1,239,576	1,261,520	1,223,764	
20		O/T	124,095	111,619	133,859	0	99,707	86,539	76,700	78,510	67,621	65,799	99,359	107,890	202,397	155,781	
21		Other	18,729	31,448	23,166	0	16,617	20,970	18,869	23,728	21,873	26,068	21,484	21,092	21,910	23,808	
22		Prem	14,204	9,760	17,324	37,561	14,865	13,347	11,775	14,667	8,591	10,420	9,191	11,702	149,780	14,427	
23		Lost															
24		Subtotal	1,389,591	1,391,790	1,433,876	37,561	1,373,804	1,354,257	1,356,060	1,357,936	1,356,208	1,354,880	1,407,220	1,380,260	1,635,606	1,417,780	
25	Less: Union Unloaded																
26	Construction Labor																
27																	
28	Total Wages to Use for Analysis																
29																	
30																	
31	Semi-Monthly Non-Union	Reg	53,748	53,748	53,749	0	54,736	54,242	55,813	57,910	57,910	57,910	57,910	57,910	57,910	57,910	
32		O/T	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
33		Other	473	9,074	523	0	74	523	75	532	83	482	83	532	83	532	
34		Prem	0	0	0	58,585	375	0	0	4,444	0	0	0	0	4,504	0	
35		Lost															
36		Subtotal	54,222	62,823	54,272	58,585	55,185	54,765	55,888	62,885	57,993	58,392	57,993	58,442	62,497	58,442	
37																	
38	Hourly Paid Union	Reg	265,664	248,449	263,174	0	230,056	221,300	230,003	262,827	253,452	239,858	231,526	235,180	238,835	246,612	
39		O/T	23,560	21,776	24,812	0	13,233	16,491	56,783	17,558	15,367	16,353	16,055	39,006	53,614	16,132	
40		Other	13	18	0	0	18	0	18	0	30	0	18	0	30	42	
41		Prem	1,699	353	556	0	402	318	452	395	178	122	339	304	26,306	547	
42		Lost															
43		Subtotal	290,937	270,596	288,541	0	243,708	238,109	287,255	280,781	269,026	256,333	247,937	274,489	318,785	263,334	
44																	
45	Hourly Paid Non-Union	Reg	18,019	22,428	18,441	0	22,534	17,536	23,267	21,699	26,920	20,057	26,538	23,527	34,758	28,289	
46		O/T	0	0	0	0	0	0	105	0	192	0	0	0	0	0	
47		Other	0	2,000	0	0	0	0	0	0	0	0	0	0	0	0	
48		Prem	0	0	0	19,425	0	0	0	0	468	0	0	0	5,207	0	
49		Lost															
50		Subtotal	18,019	24,428	18,441	19,425	22,534	17,536	23,372	21,699	27,580	20,057	26,538	23,527	39,965	28,289	
51																	
52																	
53			1,855,403	4,389,392	1,925,267	1,531,104	4,686,684	1,674,972	4,163,531	1,907,739	4,143,060	1,702,618	4,052,969	1,780,403	4,493,385	1,781,374	
54	Less: Total Unloaded																
55	Construction Labor																
56																	
57	Total Wages to Use for Analysis																

(1) Per "Union Construction Wages" worksheet
Source: Business Intelligence Query: Copy of Earnings by Earnings Group_KA; Payroll Accountant

**Case No. PU-23-
Lead Lag Study**

2020 Lead-Lag Study
Salaries and Wages Analysis
Page 5 of 5

**Otter Tail Power Company
Lead/Lag Study
Salaries and Wages Analysis
Actual Year 2020**

Line No.		(A)	(B)	(C)	(D)	(E)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)
		31-Jul	14-Aug	31-Aug	15-Sep	30-Sep	15-Oct	30-Oct	13-Nov	30-Nov	15-Dec	31-Dec	Total			
1	Monthly Wage-Hour Exempt	Reg	1,937,271	11,594	1,932,745	9,380	1,914,927	8,660	1,984,901	8,943	2,359,551	8,871	2,025,786	24,053,143	32.00%	
2		O/T	1,122	0	841	1,422	2,137	135	104	0	105	945	338	14,052	0.02%	
3		Other	13,973	7	12,441	33	12,341	7	17,124	8	15,215	8	28,526	385,076	0.51%	
4		Prem	259	47,973	2,782	113	3,379	869	2,759	3,108	92,423	222,390	260,273	3,263,167	4.34%	
5		Lost												0	0.00%	
6	Subtotal		1,952,625	59,574	1,948,808	10,949	1,932,784	9,671	2,004,888	12,059	2,467,294	232,214	2,314,922	27,715,437	36.87%	
7	Less: Non-Union Unloaded															
8	Construction Labor													2,605,815	(1)	
9																
10	Total Wages to Use for Analysis													25,109,622		
11																
12	Monthly Not Wage-Hour Exempt	Reg	340,431	2,173	343,570	0	342,506	0	363,968	0	433,254	0	365,940	4,284,185	5.70%	
13		O/T	4,990	0	11,256	0	2,460	0	6,032	0	4,704	0	10,663	68,193	0.09%	
14		Other	4,542	50	2,999	0	3,019	0	3,578	0	4,103	0	5,967	97,680	0.13%	
15		Prem	176	780	332	0	197	0	636	0	2,579	2,310	56,200	267,162	0.36%	
16		Lost												0	0.00%	
17	Subtotal		350,139	3,003	358,157	0	348,182	0	374,215	0	444,641	2,310	438,770	4,717,220	6.28%	
18																
19	Semi-Monthly	Reg	1,236,465	1,220,629	1,222,187	1,219,624	1,222,637	1,233,611	1,214,846	1,250,924	1,269,199	1,202,205	1,217,976	29,719,879	39.54%	
20		O/T	210,579	239,990	144,225	195,810	135,097	130,644	175,134	157,621	134,846	113,790	97,491	3,145,102	4.18%	
21		Other	20,120	25,662	19,453	26,097	20,681	25,894	24,145	27,775	17,554	21,024	28,851	547,020	0.73%	
22		Prem	16,939	16,344	11,294	13,409	14,244	10,940	12,765	15,123	12,331	60,508	256,514	778,025	1.04%	
23		Lost												0	0.00%	
24	Subtotal		1,484,103	1,502,626	1,397,159	1,454,940	1,392,658	1,401,090	1,426,891	1,451,443	1,433,930	1,397,527	1,600,832	34,190,227	45.49%	
25	Less: Union Unloaded															
26	Construction Labor													9,785,823	(1)	
27																
28	Total Wages to Use for Analysis													24,404,204		
29																
30																
31	Semi-Monthly Non-Union	Reg	57,910	53,807	53,020	53,020	53,020	53,020	49,903	49,198	49,198	53,368	53,020	1,309,888	1.74%	
32		O/T	0	0	0	0	0	0	0	0	0	0	0	0	0.00%	
33		Other	83	532	42	441	42	441	1,103	391	1,318	391	1,925	19,773	0.03%	
34		Prem	0	0	0	0	0	0	0	0	0	0	6,378	74,286	0.10%	
35		Lost												0	0.00%	
36	Subtotal		57,993	54,338	53,062	53,461	53,062	53,461	51,006	49,588	50,516	53,758	61,323	1,403,947	1.87%	
37																
38	Hourly Paid Union	Reg	250,376	261,662	227,783	244,353	233,712	236,582	233,279	239,030	217,810	245,674	241,762	5,798,958	7.72%	
39		O/T	26,098	30,109	17,560	20,862	24,466	19,707	20,587	27,320	32,961	31,388	55,586	637,382	0.85%	
40		Other	127	36	84	12	18	0	218	0	60	26	1,676	2,439	0.00%	
41		Prem	650	747	716	518	361	934	700	851	268	347	36,777	74,841	0.10%	
42		Lost												0	0.00%	
43	Subtotal		277,250	292,554	246,143	265,745	258,556	257,223	254,783	267,201	251,100	277,435	335,800	6,513,621	8.67%	
44																
45	Hourly Paid Non-Union	Reg	38,548	34,293	31,404	21,731	21,281	21,096	21,553	20,083	26,053	21,143	20,395	581,591	0.77%	
46		O/T	554	0	0	0	0	0	0	0	0	0	0	851	0.00%	
47		Other	0	0	0	0	0	0	250	0	0	0	0	2,250	0.00%	
48		Prem	0	0	0	0	0	0	0	0	0	0	10,812	35,912	0.05%	
49		Lost												0	0.00%	
50	Subtotal		39,102	34,293	31,404	21,731	21,281	21,096	21,803	20,083	26,053	21,143	31,207	620,605	0.83%	
51																
52														0		
53			4,161,212	1,946,388	4,034,732	1,806,827	4,006,523	1,742,541	4,133,585	1,800,375	4,673,533	1,984,387	4,782,853	75,160,858	100.00%	
54	Less: Total Unloaded															
55	Construction Labor													12,391,638	(1)	
56																
57	Total Wages to Use for Analysis													62,769,219		

(1) Per "(1) Per "Union Construction Wages" worksheet

Source: Source: Business Intelligence Query: Copy of Earnings by Earnings Group_KA; Payroll Accountant

**Otter Tail Power Company
Lead/Lag Study
Summary of Associated Payroll Expense
Actual Year 2020**

(A) (B) (C) (D)

Line No.		\$ of Expense		Lag Days	\$ Lag Days
1	FICA Tax	5,095,178	(1)	11.74	\$59,792,686
2	Group Insurance	6,975,231	(1)	7.53	52,515,783
3	Unemployment Taxes	104,466	(1)	69.74	7,285,249
4	Worker's Compensation	501,346	(1)	0.00	0
5	401K Match	1,714,267	(1)	13.94	23,902,217
6	FASB 87 - Pension	6,633,873	(1)	0.00	0
7	Post Retirement Employee Medical Benefits (FASB 106)	3,667,343	(1)	0.00	0
8	FASB 112	389,424	(1)	0.00	0
9	Total	\$25,081,127		5.72	\$143,495,935

(1) Per page 2

**OTP Payroll Loading
 2020 Actual Loading**

	(A)	(B)	(C)	(D)
Line No.	Loading Components	2020 Total	Rate	Percent of Total Loading
1	Federal Insurance Contribution	5,095,178	8.38425%	13.12%
2	State Unemployment	69,972	0.11514%	0.18%
3	Federal Unemployment	34,494	0.05676%	0.09%
4	Worker's Compensation	501,346	0.82498%	1.29%
5	Group Insurance	6,975,231	11.47792%	17.96%
6	Other Insurance (Dental, Etc.)	1,228,631	2.02174%	3.16%
7	401K Match	1,714,267	2.82087%	4.41%
8	ESOP	362,389	0.59632%	0.93%
9	Professional Services	596,005	0.98074%	1.53%
10	4% Defined Contribution	1,130,395	1.86009%	2.91%
11	Taxable Meals	323,162	0.53177%	0.83%
12	Floater and Holidays	2,664,306	4.38418%	6.86%
13	Vacation	5,142,524	8.46216%	13.24%
14	Lost Time	2,311,223	3.80318%	5.95%
15	FASB 87 - Pension	6,633,873	10.91621%	17.08%
16	FASB 106	3,667,343	6.03471%	9.44%
17	FASB 112	389,424	0.64081%	1.00%
18		38,839,763	63.91183%	100.00%
19				
20				
21	Total Utility Loading	38,839,763		
22	Estimated Corp. share	262,668		
23	Total Loading with Corp.	39,102,431		
24				
25				
26				
27				
28				
29	Labor Information		OTP	
30	Actual Productive Labor to-date		\$ 60,770,852	

Source: Received from Accounting

Note: Loading Factors are standard across pay groups.

**Otter Tail Power Company
Lead/Lag Study
Analysis of FICA Payroll Expense
Actual year 2020**

	(A)	(B)	(C)	(D)	(E)	(F)
Line No.		(3) FICA Withheld 2020	(2) Payroll Only	(1) 1st Banking Day	Lag Days	\$ Lag Days
1	Payment Total Hourly Non-Union	\$46,625.46	22.80	0.00	22.80	\$1,063,060.49
2	Payment Total Hourly Union	20,292.90	22.80	0.00	22.80	462,678.12
3	Payment Total Monthly Non wage hour exempt	333,851.41	15.64	0.00	15.64	5,221,436.05
4	Payment Total Monthly Wage hour exempt	1,855,676.07	15.22	0.00	15.22	28,243,389.79
5	Payment Total Semi-Monthly	2,817,416.52	9.00	0.00	9.00	25,356,748.68
6	Payment Total Semi-Monthly Non-Union	194,616.55	7.60	0.00	7.60	1,479,085.78
7		\$5,268,478.91			11.74	\$61,826,398.91

(1) Federal and FICA W/H are ACH'd the same day as payroll. Therefore, the above calculation is no longer needed as the lead time is now zero.

(2) Per Salary and Wages Analysis Page 1

(3) Per "Query - Sorted" worksheet.

**Otter Tail Power Company
 Lead/Lag Study
 FICA Payroll Expense Detail
 Actual Year 2020**

	(A)	(B)	(C)	(D)
Line No.	Group	Pay Period	Sum Curr	
1	CY1	01/15/20	20,294.02	
2	CY1	01/31/20	18,659.22	
3	CY1	02/14/20	20,173.43	
4	CY1	02/28/20	16,703.25	
5	CY1	03/13/20	16,586.05	
6	CY1	03/31/20	20,040.91	
7	CY1	04/15/20	19,617.63	
8	CY1	04/30/20	18,676.58	
9	CY1	05/15/20	18,045.69	
10	CY1	05/29/20	17,162.49	
11	CY1	06/15/20	19,183.80	
12	CY1	06/30/20	22,124.94	
13	CY1	07/15/20	18,126.08	
14	CY1	07/31/20	19,013.30	
15	CY1	08/14/20	20,149.99	
16	CY1	08/31/20	16,672.19	
17	CY1	09/15/20	18,940.74	
18	CY1	09/30/20	18,536.83	
19	CY1	10/15/20	18,546.72	
20	CY1	10/30/20	17,824.13	
21	CY1	11/13/20	18,935.67	
22	CY1	11/30/20	17,573.80	
23	CY1	12/15/20	19,519.53	
24	CY1	12/31/20	<u>23,736.22</u>	454,843.21
25	CY2	01/15/20	2,876.18	
26	CY2	01/31/20	2,425.39	
27	CY2	02/14/20	2,318.71	
28	CY2	02/21/20	1,454.91	
29	CY2	02/28/20	2,218.18	
30	CY2	03/13/20	2,318.69	
31	CY2	03/31/20	2,189.04	
32	CY2	04/15/20	2,482.80	
33	CY2	04/30/20	2,353.14	
34	CY2	05/15/20	2,458.82	
35	CY2	05/29/20	2,436.55	
36	CY2	06/15/20	2,692.50	
37	CY2	06/30/20	2,608.67	
38	CY2	07/15/20	2,462.75	
39	CY2	07/31/20	2,848.89	
40	CY2	08/14/20	2,106.65	
41	CY2	08/31/20	2,025.99	
42	CY2	09/15/20	2,083.70	
43	CY2	09/30/20	2,255.76	
44	CY2	10/15/20	2,124.59	
45	CY2	10/30/20	2,043.90	
46	CY2	11/13/20	2,142.95	
47	CY2	11/30/20	2,293.34	
48	CY2	12/15/20	2,366.69	
49	CY2	12/31/20	<u>2,389.73</u>	57,978.52
50	CY3	01/15/20	3,895.04	
51	CY3	01/31/20	3,875.53	
52	CY3	02/14/20	3,895.05	
53	CY3	02/21/20	4,481.72	
54	CY3	02/28/20	3,979.73	
55	CY3	03/13/20	3,932.79	
56	CY3	03/31/20	4,033.39	

CY1 = SemiMonthly;Union;NonExempt	454,843.21
CY2 = SemiMonthly;NonUnion;NonExempt	57,978.52
CY3 = SemiMonthly;NonUnion;Exempt	97,922.16
SM1=SemiMonthly;Union;NonExempt	534,067.63
SM2=SemiMonthly;Union;NonExempt	1,828,505.68
SM3=SemiMonthly;NonUnion;NonExempt	38,715.87
SM4=Hourly;NonUnion;NonExempt	46,625.46
SM5=Hourly;Union;NonExempt	20,292.90
EXE=Monthly;NonUnion;Exempt	135,058.47
MO1=Monthly;NonUnion;Exempt	1,720,617.60
MO2=Monthly;NonUnion;NonExempt	<u>333,851.41</u>
	5,268,478.91
SemiMonthly;Union;NonExempt	2,817,416.52
SemiMonthly;NonUnion;NonExempt	96,694.39
SemiMonthly;NonUnion;Exempt	97,922.16
Hourly;NonUnion;NonExempt	46,625.46
Hourly;Union;NonExempt	20,292.90
Monthly;NonUnion;Exempt	1,855,676.07
Monthly;NonUnion;NonExempt	<u>333,851.41</u>
	5,268,478.91

**Otter Tail Power Company
 Lead/Lag Study
 FICA Payroll Expense Detail
 Actual Year 2020**

	(A)	(B)	(C)	(D)
Line No.	Group	Pay Period	Sum Curr	
57	CY3	04/14/20	339.93	
58	CY3	04/15/20	4,213.64	
59	CY3	04/30/20	4,194.11	
60	CY3	05/15/20	4,213.65	
61	CY3	05/29/20	4,194.12	
62	CY3	06/15/20	4,213.63	
63	CY3	06/30/20	4,538.69	
64	CY3	07/15/20	4,213.64	
65	CY3	07/31/20	4,194.15	
66	CY3	08/14/20	3,899.75	
67	CY3	08/31/20	3,854.45	
68	CY3	09/15/20	3,839.02	
69	CY3	09/30/20	3,439.27	
70	CY3	10/15/20	3,454.92	
71	CY3	10/30/20	3,212.60	
72	CY3	11/13/20	3,186.12	
73	CY3	11/30/20	3,205.14	
74	CY3	12/15/20	3,481.78	
75	CY3	12/31/20	3,940.30	97,922.16
76	EXE	01/31/20	11,638.27	
77	EXE	02/12/20	7,909.94	
78	EXE	02/19/20	14,289.58	
79	EXE	02/21/20	29,754.77	
80	EXE	02/28/20	10,757.70	
81	EXE	03/31/20	10,054.71	
82	EXE	04/14/20	3,607.61	
83	EXE	04/30/20	7,786.71	
84	EXE	05/29/20	7,288.29	
85	EXE	06/30/20	6,722.53	
86	EXE	07/31/20	5,134.71	
87	EXE	08/31/20	3,625.45	
88	EXE	09/30/20	3,675.88	
89	EXE	10/30/20	3,127.07	
90	EXE	11/30/20	4,614.60	
91	EXE	12/31/20	5,070.65	135,058.47
92	MO1	01/15/20	7,665.49	
93	MO1	01/31/20	132,713.62	
94	MO1	02/14/20	1,859.38	
95	MO1	02/21/20	67,893.30	
96	MO1	02/28/20	131,510.74	
97	MO1	03/13/20	602.23	
98	MO1	03/25/20	8,295.06	
99	MO1	03/31/20	129,477.70	
100	MO1	04/10/20	5,063.89	
101	MO1	04/14/20	1,019.79	
102	MO1	04/15/20	1,379.71	
103	MO1	04/30/20	137,197.63	
104	MO1	05/15/20	793.61	
105	MO1	05/29/20	128,347.62	
106	MO1	06/15/20	854.98	
107	MO1	06/30/20	135,410.31	
108	MO1	07/15/20	837.42	
109	MO1	07/31/20	128,241.29	
110	MO1	08/14/20	4,529.83	
111	MO1	08/31/20	127,245.22	
112	MO1	09/15/20	810.05	

**Otter Tail Power Company
 Lead/Lag Study
 FICA Payroll Expense Detail
 Actual Year 2020**

	(A)	(B)	(C)	(D)
Line No.	Group	Pay Period	Sum Curr	
113	MO1	09/30/20	125,351.19	
114	MO1	10/15/20	712.28	
115	MO1	10/30/20	129,491.64	
116	MO1	11/13/20	894.90	
117	MO1	11/30/20	156,380.26	
118	MO1	12/15/20	16,904.26	
119	MO1	12/31/20	139,134.20	1,720,617.60
120	MO2	01/15/20	154.64	
121	MO2	01/31/20	25,598.70	
122	MO2	02/14/20	154.65	
123	MO2	02/21/20	10,640.22	
124	MO2	02/28/20	25,151.66	
125	MO2	03/13/20	154.64	
126	MO2	03/31/20	24,780.13	
127	MO2	04/15/20	166.23	
128	MO2	04/30/20	25,337.57	
129	MO2	05/15/20	166.23	
130	MO2	05/29/20	25,274.55	
131	MO2	06/15/20	2,455.62	
132	MO2	06/30/20	27,657.54	
133	MO2	07/15/20	166.24	
134	MO2	07/31/20	24,822.76	
135	MO2	08/14/20	225.90	
136	MO2	08/31/20	25,569.61	
137	MO2	09/30/20	24,827.88	
138	MO2	10/30/20	26,761.80	
139	MO2	11/30/20	32,101.26	
140	MO2	12/15/20	176.71	
141	MO2	12/31/20	31,506.87	333,851.41
142	SM1	01/15/20	23,660.85	
143	SM1	01/31/20	22,587.63	
144	SM1	02/14/20	22,350.35	
145	SM1	02/28/20	22,252.01	
146	SM1	03/13/20	21,497.60	
147	SM1	03/31/20	21,297.30	
148	SM1	04/15/20	23,541.68	
149	SM1	04/30/20	21,796.68	
150	SM1	05/15/20	21,755.77	
151	SM1	05/29/20	21,577.20	
152	SM1	06/15/20	22,301.53	
153	SM1	06/30/20	24,893.02	
154	SM1	07/15/20	20,892.72	
155	SM1	07/31/20	22,622.52	
156	SM1	08/14/20	21,337.97	
157	SM1	08/31/20	20,464.92	
158	SM1	09/15/20	21,587.27	
159	SM1	09/30/20	21,306.25	
160	SM1	10/15/20	21,506.20	
161	SM1	10/30/20	23,464.47	
162	SM1	11/13/20	22,060.87	
163	SM1	11/30/20	22,178.73	
164	SM1	12/15/20	22,099.23	
165	SM1	12/31/20	25,034.86	534,067.63
166	SM2	01/15/20	72,362.06	
167	SM2	01/31/20	72,519.82	
168	SM2	02/14/20	77,560.85	

**Otter Tail Power Company
 Lead/Lag Study
 FICA Payroll Expense Detail
 Actual Year 2020**

	(A)	(B)	(C)	(D)
Line No.	Group	Pay Period	Sum Curr	
169	SM2	02/21/20	245.45	
170	SM2	02/28/20	72,585.58	
171	SM2	03/13/20	72,215.97	
172	SM2	03/31/20	71,946.34	
173	SM2	04/15/20	69,983.25	
174	SM2	04/30/20	71,397.04	
175	SM2	05/15/20	71,649.87	
176	SM2	05/29/20	75,386.79	
177	SM2	06/15/20	73,025.56	
178	SM2	06/30/20	89,244.76	
179	SM2	07/15/20	77,370.91	
180	SM2	07/31/20	79,962.37	
181	SM2	08/14/20	83,873.08	
182	SM2	08/31/20	76,385.78	
183	SM2	09/15/20	80,104.70	
184	SM2	09/30/20	74,531.60	
185	SM2	10/15/20	74,162.14	
186	SM2	10/30/20	75,504.11	
187	SM2	11/13/20	79,447.03	
188	SM2	11/30/20	76,351.58	
189	SM2	12/15/20	74,685.48	
190	SM2	12/31/20	<u>86,003.56</u>	1,828,505.68
191	SM3	01/15/20	1,383.42	
192	SM3	01/31/20	1,393.01	
193	SM3	02/14/20	1,389.16	
194	SM3	02/21/20	1,173.00	
195	SM3	02/28/20	1,426.24	
196	SM3	03/13/20	1,487.68	
197	SM3	03/31/20	1,454.40	
198	SM3	04/15/20	1,595.03	
199	SM3	04/30/20	1,493.17	
200	SM3	05/15/20	1,487.39	
201	SM3	05/29/20	1,577.16	
202	SM3	06/15/20	1,504.68	
203	SM3	06/30/20	1,685.59	
204	SM3	07/15/20	1,646.08	
205	SM3	07/31/20	1,552.36	
206	SM3	08/14/20	1,654.55	
207	SM3	08/31/20	1,428.62	
208	SM3	09/15/20	1,552.71	
209	SM3	09/30/20	1,511.67	
210	SM3	10/15/20	1,629.63	
211	SM3	10/30/20	1,510.62	
212	SM3	11/13/20	1,588.47	
213	SM3	11/30/20	2,244.04	
214	SM3	12/15/20	1,476.49	
215	SM3	12/31/20	<u>1,870.70</u>	38,715.87
216	SM4	01/15/20	1,359.17	
217	SM4	01/31/20	1,694.05	
218	SM4	02/14/20	1,391.48	
219	SM4	02/21/20	1,486.02	
220	SM4	02/28/20	1,702.18	
221	SM4	03/13/20	1,312.64	
222	SM4	03/31/20	1,756.73	
223	SM4	04/15/20	1,631.13	
224	SM4	04/30/20	2,078.75	

**Otter Tail Power Company
 Lead/Lag Study
 FICA Payroll Expense Detail
 Actual Year 2020**

	(A)	(B)	(C)	(D)
Line No.	Group	Pay Period	Sum Curr	
225	SM4	05/15/20	1,505.52	
226	SM4	05/29/20	1,998.88	
227	SM4	06/15/20	1,770.99	
228	SM4	06/30/20	3,026.09	
229	SM4	07/15/20	2,135.32	
230	SM4	07/31/20	2,960.09	
231	SM4	08/14/20	2,594.59	
232	SM4	08/31/20	2,371.08	
233	SM4	09/15/20	1,633.64	
234	SM4	09/30/20	1,598.29	
235	SM4	10/15/20	1,584.21	
236	SM4	10/30/20	1,619.13	
237	SM4	11/13/20	1,506.70	
238	SM4	11/30/20	1,963.33	
239	SM4	12/15/20	1,587.75	
240	SM4	12/31/20	<u>2,357.70</u>	46,625.46
241	SM5	01/15/20	975.40	
242	SM5	01/31/20	1,057.67	
243	SM5	02/14/20	1,021.68	
244	SM5	02/28/20	951.12	
245	SM5	03/13/20	739.87	
246	SM5	03/31/20	943.22	
247	SM5	04/15/20	972.78	
248	SM5	04/30/20	695.23	
249	SM5	05/15/20	685.38	
250	SM5	05/29/20	827.19	
251	SM5	06/15/20	909.51	
252	SM5	06/30/20	1,271.17	
253	SM5	07/15/20	1,122.25	
254	SM5	07/31/20	1,194.48	
255	SM5	08/14/20	1,338.49	
256	SM5	08/31/20	1,105.21	
257	SM5	09/15/20	525.75	
258	SM5	09/30/20	264.47	
259	SM5	10/15/20	256.94	
260	SM5	10/30/20	652.04	
261	SM5	11/13/20	620.85	
262	SM5	11/30/20	644.40	
263	SM5	12/15/20	672.23	
264	SM5	12/31/20	<u>845.57</u>	20,292.90

**Otter Tail Power Company
 Lead/Lag Study
 Analysis of FICA Pay Periods
 Actual Year 2020**

(A) (B) (C) (D) (E)

FICA Pay Periods (2)

Line No.	Month	Mid Month		End of Month	
		Pay Day	Days 1st Banking Day is After Pay Day (1)	Pay Day	Days 1st Banking Day is After Pay Day (1)
1	Jan	Wed	1	Fri	3
2	Feb	Fri	3	Fri	3
3	Mar	Fri	3	Tues	1
4	Apr	Wed	1	Thur	1
5	May	Fri	3	Fri	3
6	Jun	Mon	1	Tues	1
7	Jul	Wed	1	Fri	3
8	Aug	Fri	3	Mon	1
9	Sep	Tues	1	Wed	1
10	Oct	Thur	1	Fri	3
11	Nov	Fri	3	Mon	1
12	Dec	Tues	1	Thur	4
13	Total		22		25
14	Average		1.83		2.08
15					
16	Overall Average		1.96	Days	

- (1) FICA is due the 1st banking day after each pay day
- (2) Payrolls are paid midmonth (15th) and end of month (last day) unless these days fall on a weekend the payday is the preceding Friday.

Source: Analysis of 2020 calendar

Note: FICA and Federal W/H are due the 1st banking day after pay day, however they are always ACH'd the same day as pay day resulting in zero lead time so no further analysis is needed.

**Otter Tail Power Company
Lead/Lag Study
Analysis of Group Insurance Payroll Expense
Actual Year 2020**

(A) (B) (C) (D) (E) (F) (G) (H)

Analysis of Group Insurance (test months Jan., Apr., July & Oct.)

Line No.	Supplier	Type Service	(1) Amount	Average Service Period Days	(1) Date Service Rendered	(2) Date Paid	Lag Days	Dollar Lag Days
1	January							
2		Health Insurance	241,972.87	3.50	01/03/20	01/06/20	6.5	1,572,823.66
3		Health Insurance	133,904.38	3.50	01/10/20	01/27/20	20.5	2,745,039.79
4		Health Insurance	159,510.70	3.50	01/17/20	01/17/20	3.5	558,287.45
5		Health Insurance	180,568.76	3.50	01/24/20	01/24/20	3.5	631,990.66
		Health Insurance	108,386.60	3.50	01/31/20	01/31/20	3.5	379,353.10
6	April							
7		Health Insurance	120,050.91	3.50	04/03/20	04/06/20	6.5	780,330.92
8		Health Insurance	121,738.81	3.50	04/10/20	04/14/20	7.5	913,041.08
9		Health Insurance	125,583.34	3.50	04/17/20	04/21/20	7.5	941,875.05
10		Health Insurance	149,196.58	3.50	04/24/20	04/29/20	8.5	1,268,170.93
11	July							
12		Health Insurance	119,619.55	3.50	07/03/20	07/14/20	14.5	1,734,483.48
13		Health Insurance	188,426.02	3.50	07/10/20	07/14/20	7.5	1,413,195.15
14		Health Insurance	129,968.57	3.50	07/17/20	07/20/20	6.5	844,795.71
15		Health Insurance	179,574.33	3.50	07/24/20	07/27/20	6.5	1,167,233.15
		Health Insurance	129,635.67	3.50	07/31/20	08/03/20	6.5	842,631.86
16	October							
17		Health Insurance	293,733.70	3.50	10/02/20	10/05/20	6.5	1,909,269.05
18		Health Insurance	249,953.55	3.50	10/09/20	10/13/20	7.5	1,874,651.63
19		Health Insurance	241,151.92	3.50	10/16/20	10/22/20	9.5	2,290,943.24
20		Health Insurance	116,687.62	3.50	10/23/20	10/26/20	6.5	758,469.53
21		Health Insurance	114,413.45	3.50	10/30/20	11/02/20	6.5	743,687.43
22			3,104,077.33				7.5	23,370,272.83

(1) Per Claims Spreadsheet Received from HR

(2) Per GL Fire

**Otter Tail Power Company
 Lead/Lag Study
 Group Insurance Payroll Expense Detail
 Actual Year 2020**

(A) (B) (C) (D) (E)

Line No.	Month	Subgroups			Total
		10,11,12,13,14,15, 16,17,18,19,20,CA	L1,L2,L3,L4,L5,L6	R1,R2,R3,R4,R5,R	
		CB,CC,CD,CE,C6			
1		2440.3000.0000	2440.3300.0000	2440.3200.0000	
2	January				
3	01/03/2020	\$241,972.87	\$9,614.28	\$109,038.26	\$360,625.41
4	01/10/2020	\$133,904.38	\$3,306.87	\$78,099.75	\$215,311.00
5	01/17/2020	\$159,510.70	\$2,036.81	\$205,028.58	\$366,576.09
6	01/24/2020	\$180,568.76	\$1,604.99	\$131,672.60	\$313,846.35
7	01/31/2020	\$108,386.60	\$55,799.52	\$114,810.18	\$278,996.30
8	January Total	\$824,343.31	\$72,362.47	\$638,649.37	\$1,535,355.15
9					
10	February				
11	02/07/2020	\$129,662.39	\$20,022.87	\$148,040.17	\$297,725.43
12	02/14/2020	\$194,365.21	\$6,406.50	\$92,965.12	\$293,736.83
13	02/21/2020	\$235,711.13	\$7,870.94	\$91,281.96	\$334,864.03
14	02/28/2020	\$118,448.16	\$10,499.67	\$111,830.62	\$240,778.45
15	February Total	\$678,186.89	\$44,799.98	\$444,117.87	\$1,167,104.74
16					
17	March				
18	03/06/2020	\$127,440.24	\$24,892.10	\$108,151.13	\$260,483.47
19	03/13/2020	\$128,843.58	\$3,863.03	\$106,336.70	\$239,043.31
20	03/20/2020	\$218,138.13	\$2,535.47	\$126,628.00	\$347,301.60
21	03/27/2020	\$180,478.43	\$10,096.47	\$80,791.17	\$271,366.07
22	March Total	\$654,900.38	\$41,387.07	\$421,907.00	\$1,118,194.45
23					
24	April				
25	04/03/2020	\$120,050.91	\$15,701.32	\$103,612.79	\$239,365.02
26	04/10/2020	\$121,738.81	\$1,607.40	\$111,456.50	\$234,802.71
27	04/17/2020	\$125,583.34	\$4,608.43	\$54,002.54	\$184,194.31
28	04/24/2020	\$149,196.58	\$1,310.48	\$106,037.72	\$256,544.78
29					\$0.00
30	April Total	\$516,569.64	\$23,227.63	\$375,109.55	\$914,906.82
31					
32	May				
33	05/01/2020	\$118,234.72	\$13,619.59	\$94,883.01	\$226,737.32
34	05/08/2020	\$94,632.52	\$13,399.57	\$72,741.04	\$180,773.13
35	05/15/2020	\$112,200.30	\$14,152.22	\$133,888.24	\$260,240.76
36	05/22/2020	\$128,386.37	\$19,367.17	\$105,331.16	\$253,084.70
37	05/29/2020	\$128,277.41	\$15,153.18	\$129,985.37	\$273,415.96
38	May Total	\$581,731.32	\$75,691.73	\$536,828.82	\$1,194,251.87
39					
40	June				
41	06/05/2020	\$86,258.77	\$12,952.91	\$94,685.91	\$193,897.59
42	06/12/2020	\$284,875.53	\$8,152.59	\$61,363.16	\$354,391.28
43	06/19/2020	\$110,598.82	\$4,998.30	\$57,777.41	\$173,374.53
44	06/26/2020	\$138,699.97	\$8,143.88	\$142,252.32	\$289,096.17
45	June Total	\$620,433.09	\$34,247.68	\$356,078.80	\$1,010,759.57

**Otter Tail Power Company
 Lead/Lag Study
 Group Insurance Payroll Expense Detail
 Actual Year 2020**

(A) (B) (C) (D) (E)

Line No.	Month	Subgroups			Total
		10,11,12,13,14,15, 16,17,18,19,20,CA			
		CB,CC,CD,CE,C6	L1,L2,L3,L4,L5,L6	R1,R2,R3,R4,R5,R6	
46	July				
47	07/03/2020	\$119,619.55	\$62,580.58	\$17,653.55	\$199,853.68
48	07/10/2020	\$188,426.02	\$10,813.60	\$85,018.91	\$284,258.53
49	07/17/2020	\$129,968.57	\$3,154.57	\$99,395.31	\$232,518.45
50	07/24/2020	\$179,574.33	\$12,597.47	\$116,210.23	\$308,382.03
51	07/31/2020	\$129,635.67	\$26,184.88	\$48,306.58	\$204,127.13
52	July Total	\$747,224.14	\$115,331.10	\$366,584.58	\$1,229,139.82
53					
54	August				
55	08/07/2020	\$121,141.95	\$31,342.76	\$74,521.42	\$227,006.13
56	08/14/2020	\$215,515.19	\$78,098.44	\$80,533.37	\$374,147.00
57	08/21/2020	\$249,021.19	\$15,569.73	\$89,062.29	\$353,653.21
58	08/28/2020	\$112,913.73	\$6,025.05	\$96,186.49	\$215,125.27
					\$0.00
59	August Total	\$698,592.06	\$131,035.98	\$340,303.57	\$1,169,931.61
60					
61	September				
62	09/04/2020	\$140,820.63	\$67,301.68	\$98,458.38	\$306,580.69
63	09/11/2020	\$253,186.27	\$67,951.21	\$7,741.20	\$328,878.68
64	09/18/2020	\$127,487.26	\$5,892.42	\$92,270.69	\$225,650.37
65	09/25/2020	\$140,968.69	\$14,277.21	\$111,757.92	\$267,003.82
66					\$0.00
67	September Total	\$662,462.85	\$155,422.52	\$310,228.19	\$1,128,113.56
68					
69	October				
70	10/02/2020	\$293,733.70	\$21,054.46	\$95,869.48	\$410,657.64
71	10/09/2020	\$249,953.55	\$12,046.88	\$100,492.85	\$362,493.28
72	10/16/2020	\$241,151.92	\$3,762.43	\$115,114.38	\$360,028.73
73	10/23/2020	\$116,687.62	\$2,576.90	\$20,617.29	\$139,881.81
74	10/30/2020	\$114,413.45	\$15,309.60	\$45,402.29	\$175,125.34
75	October Total	\$1,015,940.24	\$54,750.27	\$377,496.29	\$1,448,186.80
76					
77	November				
78	11/06/2020	\$105,518.41	\$7,969.82	\$153,868.43	\$267,356.66
79	11/13/2020	\$144,388.79	\$6,435.90	\$87,305.94	\$238,130.63
80	11/20/2020	\$149,120.91	\$37,601.73	\$86,497.09	\$273,219.73
81	11/27/2020	\$139,769.69	\$4,119.01	\$144,877.71	\$288,766.41
82	November Total	\$538,797.80	\$56,126.46	\$472,549.17	\$1,067,473.43
83					
84	December				
85	12/04/2020	\$83,821.50	\$10,962.04	\$184,240.47	\$279,024.01
86	12/11/2020	\$247,907.62	\$7,276.02	\$69,878.04	\$325,061.68
87	12/18/2020	\$164,727.69	\$1,204.06	(\$12,898.01)	\$153,033.74
88	12/25/2020	\$151,233.77	\$8,737.09	\$67,394.60	\$227,365.46
89					\$0.00
90	December Total	\$647,690.58	\$28,179.21	\$308,615.10	\$984,484.89
91	Total	\$8,186,872.30	\$832,562.10	\$4,948,468.31	\$13,967,902.71

**Otter Tail Power Company
Lead/Lag Study
Analysis of Unemployment Contributions
Actual Year 2020**

(A) (B) (C) (D) (E) (F) (G)

Analysis of Unemployment Contributions

Line No.	Supplier	Type Service	(2) Amount	(1) Date Service Rendered	Date Paid	Lag Days	Dollar Lag Days
1	Job Service North Dakota	Unemployment Contribution	18,503.66	02/14/20	04/24/20	70	1,295,256.20
2	Job Service North Dakota	Unemployment Contribution	9,094.17	05/16/20	07/24/20	69	627,497.73
3	Job Service North Dakota	Unemployment Contribution	948.48	08/15/20	10/23/20	69	65,445.12
4	Job Service North Dakota	Unemployment Contribution	689.35	11/15/20	01/26/21	72	49,633.20
5							
6	Minnesota State Unemployment	Unemployment Contribution	23,744.00	02/14/20	04/24/20	70	1,662,080.00
7	Minnesota State Unemployment	Unemployment Contribution	9,414.00	05/16/20	07/24/20	69	649,566.00
8	Minnesota State Unemployment	Unemployment Contribution	1,652.00	08/15/20	10/23/20	69	113,988.00
9	Minnesota State Unemployment	Unemployment Contribution	831.00	11/15/20	01/26/21	72	59,832.00
10							
11	South Dakota Department of Labor	Unemployment Contribution	4,504.98	02/14/20	04/24/20	70	315,348.60
12	South Dakota Department of Labor	Unemployment Contribution	234.09	05/16/20	07/24/20	69	16,152.21
13	South Dakota Department of Labor	Unemployment Contribution	64.70	08/15/20	10/23/20	69	4,464.30
14	South Dakota Department of Labor	Unemployment Contribution	48.62	11/15/20	01/26/21	72	3,500.64
15			69,729.05			69.74	4,862,764.00

(1) The date being used is the mid quarter date which would be the same as calculating the average quarter days.

(2) Per search on Oracle AP Display by supplier.

Otter Tail Power Company
Analysis of 401k Match Pmts
Actual Year 2020

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	OTP 401k Match	(3) Expense	Beg. Service Period	End Service Period	Avg Service Days	(2) Payment Date	Days from End of Service To Payment	Total (Lead)/Lag Days	\$ Days
1	January	44,580.00	01/01/20	01/15/20	7.5	01/16/20	1.00	8.50	378,930.00
2	January	97,527.62	01/01/20	01/31/20	15.5	02/03/20	3.00	18.50	1,804,260.97
3	February	45,098.77	02/01/20	02/15/20	7.5	02/19/20	4.00	11.50	518,635.80
4	February	96,136.90	02/01/20	02/29/20	14.5	03/02/20	2.00	16.50	1,586,258.77
5	March	42,207.97	03/01/20	03/15/20	7.5	03/17/20	2.00	9.50	400,975.72
6	March	96,799.79	03/01/20	03/31/20	15.5	04/01/20	1.00	16.50	1,597,196.54
7	April	43,765.11	04/01/20	04/15/20	7.5	04/16/20	1.00	8.50	372,003.44
8	April	95,970.51	04/01/20	04/30/20	15.0	05/01/20	1.00	16.00	1,535,528.16
9	May	42,910.31	05/01/20	05/15/20	7.5	05/19/20	4.00	11.50	493,468.57
10	May	96,470.50	05/01/20	05/31/20	15.5	06/01/20	1.00	16.50	1,591,763.25
11	June	54,205.62	06/01/20	06/15/20	7.5	06/17/20	2.00	9.50	514,953.34
12	June	110,118.32	06/01/20	06/30/20	15.0	07/01/20	1.00	16.00	1,761,893.04
13	July	44,869.55	07/01/20	07/15/20	7.5	07/17/20	2.00	9.50	426,260.73
14	July	99,326.91	07/01/20	07/31/20	15.5	08/04/20	4.00	19.50	1,936,874.75
15	August	47,385.04	08/01/20	08/15/20	7.5	08/18/20	3.00	10.50	497,542.92
16	August	96,031.57	08/01/20	08/31/20	15.5	09/02/20	2.00	17.50	1,680,552.48
17	September	45,361.14	09/01/20	09/15/20	7.5	09/18/20	3.00	10.50	476,291.97
18	September	95,687.14	09/01/20	09/30/20	15.0	10/01/20	1.00	16.00	1,530,994.24
19	October	42,924.58	10/01/20	10/15/20	7.5	10/19/20	4.00	11.50	493,632.67
20	October	96,573.09	10/01/20	10/31/20	15.5	11/03/20	3.00	18.50	1,786,602.17
21	November	44,115.10	11/01/20	11/15/20	7.5	11/18/20	3.00	10.50	463,208.55
22	November	104,209.43	11/01/20	11/30/20	15.0	12/01/20	1.00	16.00	1,667,350.88
23	December	40,740.81	12/01/20	12/15/20	7.5	12/17/20	2.00	9.50	387,037.70
24	December	91,250.85	12/01/20	12/31/20	15.5	01/07/21	7.00	22.50	2,053,144.13
25									
26	Total	1,714,266.61	(1)		Avg (Lead)Lag Days			13.94	23,902,216.61

(1) Per page 2 of 16.

(2) Per Oracle A/P Display; Search by Vendor Name

(3) Per GL Fire - split extra amounts equally to each half of the month.

Otter Tail Power Company
Lead/Lag Study
Materials and Supplies Charged to 401 & 402 Accounts

(A)

(B)

Line No.		(1)
1	Transfers from Work Orders to Expense Accounts:	
2	To: 401 Accounts	0.00
3	402 Accounts	0.00
4		
5	Amounts Transferred Directly from M&S Accounts:	
6	To: 401 & 402 Accounts	1,341,583.30
7	Total Expensed M&S	<u><u>1,341,583.30</u></u>

**Otter Tail Power Company
 Lead/Lag Study
 Analysis of AP Transaction**

(A) (B) (C) (D)

Line No.	Sample Month	Sample \$	Lag Days	\$ Lag Days
1	January	67,679,362.39	17.40	1,177,316,267.10
2				
3	April	49,869,112.61	15.16	756,141,742.57
4				
5	July	52,127,447.92	12.24	638,072,780.00
6				
7	October	50,901,019.36	8.08	411,347,515.26
8				
9		220,576,942.28	13.52	2,982,878,304.93

Note: Sampled transactions from 4 months during year 2020.
 Transactions were restricted to those over \$2,500.

**Case No. PU-23-
Lead Lag Study**

2020 Lead-Lag Study
Accounts Payable Analysis
Page 2 of 41

**Otter Tail Power Company
A/P Sample
January 2020**

Checks written between 01/01/20 and 1/31/20 for more than \$2,500

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
1			1-Jan-20	21-Jan-20	20,493.79	20	409,875.80
2			9-Jan-20	23-Jan-20	2,681.25	14	37,537.50
3			30-Jan-20	24-Feb-20	21,638.16	25	540,954.00
4			9-Jan-20	5-Feb-20	22,051.44	27	595,388.88
5			27-Jan-20	24-Feb-20	22,475.02	28	629,300.56
6			29-Jan-20	24-Feb-20	25,844.70	26	671,962.20
7			2-Jan-20	17-Jan-20	6,000.00	15	90,000.00
8			20-Jan-20	18-Feb-20	598,475.00	29	17,355,775.00
9			20-Jan-20	18-Feb-20	598,475.00	29	17,355,775.00
10			21-Jan-20	13-Feb-20	2,830.00	23	65,090.00
11			14-Jan-20	6-Feb-20	9,808.59	23	225,597.57
12			24-Jan-20	6-Feb-20	9,855.74	13	128,124.62
13			7-Jan-20	6-Feb-20	10,143.92	30	304,317.60
14			21-Jan-20	6-Feb-20	10,264.44	16	164,231.04
15			29-Jan-20	6-Feb-20	10,384.95	8	83,079.60
16			14-Jan-20	11-Feb-20	3,509.41	28	98,263.48
17			6-Jan-20	10-Jan-20	8,544.00	4	34,176.00
18			10-Jan-20	5-Feb-20	5,920.88	26	153,942.88
19			9-Jan-20	27-Jan-20	3,975.00	18	71,550.00
20			20-Jan-20	28-Jan-20	160,233.00	8	1,281,864.00
21			20-Jan-20	28-Jan-20	160,233.00	8	1,281,864.00
22			20-Jan-20	28-Jan-20	160,233.00	8	1,281,864.00
23			20-Jan-20	28-Jan-20	160,233.00	8	1,281,864.00
24			29-Jan-20	27-Feb-20	27,350.00	29	793,150.00
25			10-Jan-20	7-Feb-20	325,600.00	28	9,116,800.00
26			20-Jan-20	18-Feb-20	30,750.00	29	891,750.00
27			31-Jan-20	28-Feb-20	3,784.85	28	105,975.80
28			22-Jan-20	28-Jan-20	3,405.50	6	20,433.00
29			10-Jan-20	28-Jan-20	603,976.33	18	10,871,573.94
30			16-Jan-20	12-Feb-20	25,999.20	27	701,978.40
31			10-Jan-20	5-Feb-20	3,098.90	26	80,571.40
32			5-Jan-20	30-Jan-20	15,000.00	25	375,000.00
33			27-Jan-20	24-Feb-20	5,315.00	28	148,820.00
34			10-Jan-20	16-Jan-20	2,750.00	6	16,500.00
35			29-Jan-20	10-Feb-20	326,271.29	12	3,915,255.48
36			29-Jan-20	10-Feb-20	18,975.52	12	227,706.24
37			31-Jan-20	26-Feb-20	5,982.36	26	155,541.36
38			31-Jan-20	26-Feb-20	20,000.00	26	520,000.00
39			31-Jan-20	26-Feb-20	29,221.00	26	759,746.00
40			10-Jan-20	30-Jan-20	3,656.44	20	73,128.80
41			28-Jan-20	24-Feb-20	42,950.01	27	1,159,650.27
42			20-Jan-20	12-Feb-20	50,660.55	23	1,165,192.65
43			16-Jan-20	12-Feb-20	57,986.00	27	1,565,622.00
44			15-Jan-20	12-Feb-20	64,693.86	28	1,811,428.08
45			27-Jan-20	26-Feb-20	5,134.00	30	154,020.00
46			31-Jan-20	20-Feb-20	14,729.29	20	294,585.80
47			31-Jan-20	20-Feb-20	38,991.49	20	779,829.80
48			31-Jan-20	20-Feb-20	101,188.95	20	2,023,779.00
49			20-Jan-20	29-Jan-20	137,144.16	9	1,234,297.44
50			31-Jan-20	20-Feb-20	408,742.42	20	8,174,848.40
51			2-Jan-20	6-Jan-20	5,856.00	4	23,424.00
52			16-Jan-20	3-Feb-20	5,026.09	18	90,469.62
53			15-Jan-20	12-Feb-20	25,000.00	28	700,000.00
54			15-Jan-20	12-Feb-20	26,125.00	28	731,500.00
55			10-Jan-20	27-Jan-20	215,311.00	17	3,660,287.00
56			31-Jan-20	31-Jan-20	278,996.30	0	-
57			22-Jan-20	24-Jan-20	313,846.35	2	627,692.70
58			17-Jan-20	17-Jan-20	366,576.09	0	-
59			3-Jan-20	6-Jan-20	476,520.21	3	1,429,560.63
60			1-Jan-20	29-Jan-20	122,298.87	28	3,424,368.36
61			21-Jan-20	3-Feb-20	257,600.00	13	3,348,800.00
62			29-Jan-20	11-Feb-20	271,600.00	13	3,530,800.00
63			31-Jan-20	12-Feb-20	282,800.00	12	3,393,600.00
64			13-Jan-20	24-Jan-20	316,400.00	11	3,480,400.00
65			28-Jan-20	10-Feb-20	316,400.00	13	4,113,200.00
66			8-Jan-20	21-Jan-20	319,200.00	13	4,149,600.00
67			8-Jan-20	21-Jan-20	319,200.00	13	4,149,600.00
68			16-Jan-20	29-Jan-20	322,000.00	13	4,186,000.00
69			28-Jan-20	10-Feb-20	322,000.00	13	4,186,000.00
70			21-Jan-20	3-Feb-20	347,500.00	13	4,517,500.00
71			22-Jan-20	23-Jan-20	4,206.00	1	4,206.00
72			22-Jan-20	23-Jan-20	4,206.00	1	4,206.00
73			27-Jan-20	25-Feb-20	2,648.79	29	76,814.91
74			8-Jan-20	25-Feb-20	2,692.88	48	129,258.24
1			29-Jan-20	25-Feb-20	2,720.84	27	73,462.68

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**Otter Tail Power Company
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Checks written between 01/01/20 and 1/31/20 for more than \$2,500

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
2			21-Jan-20	25-Feb-20	3,043.97	35	106,538.95
3			8-Jan-20	25-Feb-20	3,083.26	48	147,996.48
4			8-Jan-20	25-Feb-20	3,181.57	48	152,715.36
5			13-Jan-20	25-Feb-20	3,567.82	43	153,416.26
6			7-Jan-20	25-Feb-20	3,666.05	49	179,636.45
7			20-Jan-20	6-Mar-20	4,101.36	46	188,662.56
8			27-Jan-20	25-Feb-20	4,390.67	29	127,329.43
9			23-Jan-20	25-Feb-20	5,553.31	33	183,259.23
10			20-Jan-20	25-Feb-20	5,876.04	36	211,537.44
11			28-Jan-20	25-Feb-20	6,330.22	28	177,246.16
12			8-Jan-20	25-Feb-20	6,363.46	48	305,446.08
13			22-Jan-20	25-Feb-20	6,498.16	34	220,937.44
14			22-Jan-20	25-Feb-20	6,512.43	34	221,422.62
15			8-Jan-20	25-Feb-20	6,789.05	48	325,874.40
16			7-Jan-20	25-Feb-20	7,591.10	49	371,963.90
17			22-Jan-20	25-Feb-20	8,350.01	34	283,900.34
18			13-Jan-20	25-Feb-20	9,887.85	43	425,177.55
19			21-Jan-20	25-Feb-20	10,055.93	35	351,957.55
20			8-Jan-20	25-Feb-20	11,303.12	48	542,549.76
21			7-Jan-20	25-Feb-20	11,461.93	49	561,634.57
22			20-Jan-20	25-Feb-20	11,982.08	36	431,354.88
23			22-Jan-20	25-Feb-20	12,785.52	34	434,707.68
24			23-Jan-20	25-Feb-20	12,906.11	33	425,901.63
25			2-Jan-20	25-Feb-20	15,057.60	54	813,110.40
26			17-Jan-20	25-Feb-20	15,321.31	39	597,531.09
27			27-Jan-20	25-Feb-20	17,742.25	29	514,525.25
28			24-Jan-20	25-Feb-20	20,470.43	32	655,053.76
29			23-Jan-20	25-Feb-20	20,889.47	33	689,352.51
30			24-Jan-20	25-Feb-20	21,312.29	32	681,993.28
31			22-Jan-20	25-Feb-20	22,000.49	34	748,016.66
32			31-Jan-20	25-Feb-20	25,849.21	25	646,230.25
33			22-Jan-20	25-Feb-20	26,813.46	34	911,657.64
34			31-Jan-20	25-Feb-20	28,615.68	25	715,392.00
35			27-Jan-20	25-Feb-20	30,664.18	29	889,261.22
36			16-Jan-20	25-Feb-20	32,595.69	40	1,303,827.60
37			28-Jan-20	25-Feb-20	32,801.00	28	918,428.00
38			2-Jan-20	25-Feb-20	46,843.40	54	2,529,543.60
39			20-Jan-20	25-Feb-20	66,481.03	36	2,393,317.08
40			28-Jan-20	25-Feb-20	82,990.50	28	2,323,734.00
41			6-Jan-20	25-Feb-20	84,332.76	50	4,216,638.00
42			9-Jan-20	25-Feb-20	98,053.77	47	4,608,527.19
43			6-Jan-20	25-Feb-20	148,191.41	50	7,409,570.50
44			27-Jan-20	25-Feb-20	160,214.96	29	4,646,233.84
45			2-Jan-20	9-Jan-20	3,479.43	7	24,356.01
46			6-Jan-20	23-Jan-20	22,845.00	17	388,365.00
47			23-Jan-20	14-Feb-20	9,938.21	22	218,640.62
48			3-Jan-20	21-Jan-20	7,313.97	18	131,651.46
49			8-Jan-20	16-Jan-20	3,116.00	8	24,928.00
50			15-Jan-20	14-Feb-20	5,988.00	30	179,640.00
51			10-Jan-20	7-Feb-20	61,050.00	28	1,709,400.00
52			3-Jan-20	13-Jan-20	4,946.14	10	49,461.40
53			20-Jan-20	14-May-20	4,673.75	115	537,481.25
54			31-Jan-20	23-Mar-20	21,890.62	52	1,138,312.24
55			7-Jan-20	10-Feb-20	14,230.35	34	483,831.90
56			29-Jan-20	3-Feb-20	4,101.20	5	20,506.00
57			23-Jan-20	21-Feb-20	2,536.17	29	73,548.93
58			31-Jan-20	2-Mar-20	3,359.98	31	104,159.38
59			23-Jan-20	21-Feb-20	3,363.22	29	97,533.38
60			23-Jan-20	21-Feb-20	3,596.95	29	104,311.55
61			23-Jan-20	21-Feb-20	3,795.00	29	110,055.00
62			30-Jan-20	28-Feb-20	4,521.85	29	131,133.65
63			23-Jan-20	21-Feb-20	4,641.87	29	134,614.23
64			23-Jan-20	21-Feb-20	4,833.95	29	140,184.55
65			23-Jan-20	21-Feb-20	7,189.78	29	208,503.62
66			31-Jan-20	2-Mar-20	7,664.75	31	237,607.25
67			23-Jan-20	21-Feb-20	13,138.43	29	381,014.47
68			3-Jan-20	13-Jan-20	18,650.63	10	186,506.30
69			29-Jan-20	27-Feb-20	27,350.00	29	793,150.00
70			7-Jan-20	6-Feb-20	8,661.33	30	259,839.90
71			15-Jan-20	12-Feb-20	37,450.00	28	1,048,600.00
72			31-Jan-20	12-Feb-20	153,350.48	12	1,840,205.76
73			16-Jan-20	22-Jan-20	123,843.30	6	743,059.80
74			8-Jan-20	3-Feb-20	2,656.25	26	69,062.50
1			2-Jan-20	31-Jan-20	3,042.73	29	88,239.17
2			14-Jan-20	7-Feb-20	11,583.10	24	277,994.40

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**Otter Tail Power Company
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Checks written between 01/01/20 and 1/31/20 for more than \$2,500

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
3			22-Jan-20	14-Feb-20	16,146.24	23	371,363.52
4			31-Jan-20	26-Feb-20	8,972.50	26	233,285.00
5			14-Jan-20	12-Feb-20	35,530.67	29	1,030,389.43
6			3-Jan-20	13-Jan-20	21,941.91	10	219,419.10
7			10-Jan-20	7-Feb-20	81,400.00	28	2,279,200.00
8			10-Jan-20	7-Feb-20	162,800.00	28	4,558,400.00
9			29-Jan-20	27-Feb-20	464,950.00	29	13,483,550.00
10			20-Jan-20	18-Feb-20	123,000.00	29	3,567,000.00
11			3-Jan-20	13-Jan-20	4,946.14	10	49,461.40
12			3-Jan-20	13-Jan-20	4,946.14	10	49,461.40
13			7-Jan-20	7-Jan-20	35,320.86	0	-
14			14-Jan-20	29-Jan-20	5,250.00	15	78,750.00
15			14-Jan-20	29-Jan-20	5,300.00	15	79,500.00
16			14-Jan-20	29-Jan-20	21,750.00	15	326,250.00
17			7-Jan-20	17-Jan-20	62,753.76	10	627,537.60
18			7-Jan-20	17-Jan-20	32,629.08	10	326,290.80
19			29-Jan-20	24-Feb-20	3,776.09	26	98,178.34
20			7-Jan-20	10-Feb-20	22,651.80	34	770,161.20
21			7-Jan-20	17-Jan-20	137,974.75	10	1,379,747.50
22			7-Jan-20	17-Jan-20	5,909.50	10	59,095.00
23			7-Jan-20	17-Jan-20	4,792.00	10	47,920.00
24			7-Jan-20	17-Jan-20	17,631.41	10	176,314.10
25			22-Jan-20	19-Feb-20	4,989.50	28	139,706.00
26			22-Jan-20	19-Feb-20	14,712.00	28	411,936.00
27			30-Jan-20	10-Feb-20	2,888.19	11	31,770.09
28			3-Jan-20	13-Jan-20	3,400.00	10	34,000.00
29			3-Jan-20	13-Jan-20	12,675.31	10	126,753.10
30			22-Jan-20	17-Mar-20	9,662.62	55	531,444.10
31			29-Jan-20	27-Feb-20	61,537.50	29	1,784,587.50
32			31-Jan-20	11-Feb-20	3,299.64	11	36,296.04
33			16-Jan-20	12-Feb-20	3,939.60	27	106,369.20
34			16-Jan-20	12-Feb-20	6,745.20	27	182,120.40
35			7-Jan-20	4-Feb-20	8,268.75	28	231,525.00
36			8-Jan-20	4-Feb-20	17,432.10	27	470,666.70
37			10-Jan-20	16-Jan-20	383,659.33	6	2,301,955.98
38			10-Jan-20	16-Jan-20	134,824.00	6	808,944.00
39			10-Jan-20	16-Jan-20	873,509.17	6	5,241,055.02
40			10-Jan-20	16-Jan-20	3,717,247.17	6	22,303,483.02
41			31-Jan-20	21-Feb-20	3,758.13	21	78,920.73
42			29-Jan-20	25-Mar-20	10,711.59	56	599,849.04
43			3-Jan-20	13-Jan-20	7,460.25	10	74,602.50
44			1-Jan-20	16-Jan-20	14,259.24	15	213,888.60
45			31-Jan-20	25-Feb-20	3,948.05	25	98,701.25
46			10-Jan-20	10-Feb-20	3,240.00	31	100,440.00
47			3-Jan-20	13-Jan-20	12,189.95	10	121,899.50
48			3-Jan-20	9-Jan-20	21,941.91	6	131,651.46
49			3-Jan-20	13-Jan-20	12,189.95	10	121,899.50
50			9-Jan-20	29-Jan-20	3,659.00	20	73,180.00
51			2-Jan-20	6-Jan-20	7,931.90	4	31,727.60
52			13-Jan-20	14-Jan-20	10,583.75	1	10,583.75
53			3-Jan-20	6-Jan-20	14,643.85	3	43,931.55
54			21-Jan-20	22-Jan-20	15,282.50	1	15,282.50
55			1-Jan-20	6-Jan-20	15,703.10	5	78,515.50
56			27-Jan-20	28-Jan-20	15,745.95	1	15,745.95
57			31-Jan-20	3-Feb-20	11,413.75	3	34,241.25
58			1-Jan-20	6-Jan-20	11,529.51	5	57,647.55
59			13-Jan-20	31-Jan-20	6,054.76	18	108,985.68
60			8-Jan-20	31-Jan-20	3,955.44	23	90,975.12
61			6-Jan-20	7-Jan-20	9,204.45	1	9,204.45
62			10-Jan-20	24-Jan-20	13,255.00	14	185,570.00
63			31-Jan-20	25-Feb-20	8,983.00	25	224,575.00
64			13-Jan-20	10-Feb-20	7,372.99	28	206,443.72
65			22-Jan-20	16-Feb-21	1,297,299.09	391	507,243,944.19
66			23-Jan-20	18-Feb-20	14,754.75	26	383,623.50
67			3-Jan-20	9-Jan-20	9,892.28	6	59,353.68
68			3-Jan-20	9-Jan-20	19,784.56	6	118,707.36
69			3-Jan-20	13-Jan-20	4,946.14	10	49,461.40
70			9-Jan-20	15-Jan-20	18,000.00	6	108,000.00
71			10-Jan-20	5-Feb-20	4,093.80	26	106,438.80
72			20-Jan-20	18-Feb-20	15,375.00	29	445,875.00
73			3-Jan-20	13-Jan-20	4,946.14	10	49,461.40
74			21-Jan-20	14-Feb-20	4,575.90	24	109,821.60
1			3-Jan-20	3-Feb-20	6,205.55	31	192,372.05
2			28-Jan-20	25-Feb-20	24,283.04	28	679,925.12
3			20-Jan-20	14-Feb-20	46,163.82	25	1,154,095.50

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**Otter Tail Power Company
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January 2020**

Checks written between 01/01/20 and 1/31/20 for more than \$2,500

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
4			6-Jan-20		8,000.00	-43836	(350,688,000.00)
5			3-Jan-20	13-Mar-20	18,000.00	70	1,260,000.00
6			10-Jan-20	4-Feb-20	7,844.82	25	196,120.50
7			7-Jan-20	4-Feb-20	31,029.29	28	868,820.12
8			27-Jan-20	24-Feb-20	255,896.26	28	7,165,095.28
9			23-Jan-20	19-Feb-20	4,773,714.89	27	128,890,302.03
10			22-Jan-20	30-Jan-20	17,482.30	8	139,858.40
11			23-Jan-20	30-Jan-20	17,482.30	7	122,376.10
12			22-Jan-20	31-Jan-20	17,486.09	9	157,374.81
13			22-Jan-20	30-Jan-20	17,666.61	8	141,332.88
14			22-Jan-20	30-Jan-20	17,670.40	8	141,363.20
15			24-Jan-20	30-Jan-20	18,044.71	6	108,268.26
16			22-Jan-20	30-Jan-20	18,054.20	8	144,433.60
17			3-Jan-20	6-Jan-20	6,000.00	3	18,000.00
18			10-Jan-20	11-Feb-20	2,852.22	32	91,271.04
19			22-Jan-20	10-Feb-20	3,526.27	19	66,999.13
20			10-Jan-20	28-Jan-20	20,650.00	18	371,700.00
21			10-Jan-20	28-Jan-20	20,650.00	18	371,700.00
22			10-Jan-20	28-Jan-20	20,652.04	18	371,736.72
23			10-Jan-20	28-Jan-20	20,652.04	18	371,736.72
24			10-Jan-20	28-Jan-20	20,652.06	18	371,737.08
25			11-Jan-20	28-Jan-20	20,656.19	17	351,155.23
26			8-Jan-20	14-Jan-20	114,670.96	6	688,025.76
27			14-Jan-20	13-Feb-20	2,868.75	30	86,062.50
28			14-Jan-20	13-Feb-20	4,381.88	30	131,456.40
29			22-Jan-20	21-Feb-20	3,300.00	30	99,000.00
30			27-Jan-20	26-Feb-20	27,453.11	30	823,593.30
31			1-Jan-20	4-Feb-20	15,190.48	34	516,476.32
32			10-Jan-20	5-Feb-20	14,144.50	26	367,757.00
33			17-Jan-20	12-Feb-20	14,689.30	26	381,921.80
34			27-Jan-20	24-Feb-20	2,500.00	28	70,000.00
35			24-Jan-20	27-Jan-20	29,475.00	3	88,425.00
36			14-Jan-20	3-Feb-20	6,718.75	20	134,375.00
37			9-Jan-20	3-Feb-20	8,090.63	25	202,265.75
38			28-Jan-20	3-Feb-20	9,708.75	6	58,252.50
39			21-Jan-20	6-Feb-20	15,076.50	16	241,224.00
40			2-Jan-20	29-Jan-20	81,290.32	27	2,194,838.64
41			27-Jan-20	30-Jan-20	21,991.00	3	65,973.00
42			31-Jan-20	18-Feb-20	226,750.00	18	4,081,500.00
43			20-Jan-20	18-Feb-20	15,375.00	29	445,875.00
44			2-Jan-20	2-Jan-20	2,500.00	0	-
45			24-Jan-20	24-Feb-20	3,818.47	31	118,372.57
46			31-Jan-20	27-Feb-20	5,000.00	27	135,000.00
47			1-Jan-20	17-Jan-20	39,600.00	16	633,600.00
48			23-Jan-20	10-Feb-20	3,264.00	18	58,752.00
49			9-Jan-20	13-Jan-20	30,000.00	4	120,000.00
50			29-Jan-20	31-Jan-20	30,000.00	2	60,000.00
51			15-Jan-20	5-Feb-20	4,758.39	21	99,926.19
52			17-Jan-20	5-Feb-20	5,000.63	19	95,011.97
53			7-Jan-20	5-Feb-20	5,050.68	29	146,469.72
54			30-Jan-20	24-Feb-20	6,796.14	25	169,903.50
55			10-Jan-20	5-Feb-20	8,139.26	26	211,620.76
56			29-Jan-20	28-Feb-20	2,975.00	30	89,250.00
57			2-Jan-20	9-Jan-20	2,942.49	7	20,597.43
58			21-Jan-20	20-Feb-20	3,595.48	30	107,864.40
59			24-Jan-20	20-Feb-20	9,401.32	27	253,835.64
60			28-Jan-20	17-Mar-20	34,421.36	49	1,686,646.64
61			30-Jan-20	31-Jan-20	3,110.44	1	3,110.44
62			30-Jan-20	31-Jan-20	28,717.89	1	28,717.89
63			23-Jan-20	18-Feb-20	2,820.15	26	73,323.90
64			10-Jan-20	15-Jan-20	25,745.00	5	128,725.00
65			10-Jan-20	15-Jan-20	478,680.25	5	2,393,401.25
66			29-Jan-20	31-Jan-20	987,206.27	2	1,974,412.54
67			29-Jan-20	26-Feb-20	13,401.30	28	375,236.40
68			21-Jan-20	18-Feb-20	9,138.12	28	255,867.36
69			27-Jan-20	11-Feb-20	2,994.25	15	44,913.75
70			16-Jan-20	4-Mar-20	5,433.00	48	260,784.00
71			24-Jan-20	6-Mar-20	7,114.36	42	298,803.12
72			28-Jan-20	25-Feb-20	3,139.27	28	87,899.56
73			6-Jan-20	5-Feb-20	2,693.25	30	80,797.50
74			14-Jan-20	13-Feb-20	2,924.10	30	87,723.00
1			20-Jan-20	19-Feb-20	2,924.10	30	87,723.00
2			28-Jan-20	27-Feb-20	2,924.10	30	87,723.00
3			14-Jan-20	13-Feb-20	3,249.00	30	97,470.00
4			28-Jan-20	27-Feb-20	3,275.18	30	98,255.40

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Checks written between 01/01/20 and 1/31/20 for more than \$2,500

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
5			20-Jan-20	19-Feb-20	4,223.70	30	126,711.00
6			28-Jan-20	27-Feb-20	4,608.00	30	138,240.00
7			6-Jan-20	5-Feb-20	4,873.50	30	146,205.00
8			6-Jan-20	5-Feb-20	4,873.50	30	146,205.00
9			6-Jan-20	5-Feb-20	5,904.84	30	177,145.20
10			28-Jan-20	27-Feb-20	6,020.00	30	180,600.00
11			14-Jan-20	13-Feb-20	6,498.00	30	194,940.00
12			20-Jan-20	19-Feb-20	6,985.35	30	209,560.50
13			28-Jan-20	27-Feb-20	7,016.00	30	210,480.00
14			14-Jan-20	13-Feb-20	7,472.70	30	224,181.00
15			6-Jan-20	5-Feb-20	8,447.40	30	253,422.00
16			6-Jan-20	5-Feb-20	8,827.88	30	264,836.40
17			6-Jan-20	5-Feb-20	8,981.50	30	269,445.00
18			6-Jan-20	5-Feb-20	9,196.00	30	275,880.00
19			6-Jan-20	5-Feb-20	11,970.00	30	359,100.00
20			28-Jan-20	27-Feb-20	13,901.77	30	417,053.10
21			20-Jan-20	19-Feb-20	14,170.00	30	425,100.00
22			14-Jan-20	13-Feb-20	15,090.75	30	452,722.50
23			6-Jan-20	5-Feb-20	15,753.38	30	472,601.40
24			20-Jan-20	19-Feb-20	17,034.81	30	511,044.30
25			14-Jan-20	13-Feb-20	17,982.00	30	539,460.00
26			28-Jan-20	27-Feb-20	20,595.91	30	617,877.30
27			3-Jan-20	9-Jan-20	7,460.25	6	44,761.50
28			3-Jan-20	13-Jan-20	14,627.94	10	146,279.40
29			3-Jan-20	13-Jan-20	7,460.25	10	74,602.50
30			3-Jan-20	9-Jan-20	19,784.56	6	118,707.36
31			3-Jan-20	9-Jan-20	4,946.14	6	29,676.84
32			3-Jan-20	13-Jan-20	29,255.88	10	292,558.80
33			27-Jan-20	24-Mar-20	26,268.70	57	1,497,315.90
34			14-Jan-20	11-Feb-20	236,304.77	28	6,616,533.56
35			7-Jan-20	15-Jan-20	220,000.00	8	1,760,000.00
36			31-Jan-20	25-Feb-20	2,811.00	25	70,275.00
37			10-Jan-20	7-Feb-20	101,750.00	28	2,849,000.00
38			29-Jan-20	27-Feb-20	136,750.00	29	3,965,750.00
39			29-Jan-20	27-Feb-20	136,750.00	29	3,965,750.00
40			29-Jan-20	27-Feb-20	683,750.00	29	19,828,750.00
41			10-Jan-20	13-Jan-20	3,481.13	3	10,443.39
42			3-Jan-20	13-Jan-20	11,190.38	10	111,903.80
43			3-Jan-20	13-Jan-20	52,221.75	10	522,217.50
44			20-Jan-20	28-Jan-20	11,000.00	8	88,000.00
45			1-Jan-20	14-Jan-20	6,500.00	13	84,500.00
46			3-Jan-20	9-Jan-20	2,700.00	6	16,200.00
47			31-Jan-20	3-Feb-20	26,938.40	3	80,815.20
48			10-Jan-20	23-Jan-20	23,125.00	13	300,625.00
49			3-Jan-20	13-Jan-20	11,190.38	10	111,903.80
50			1-Jan-20	11-Feb-20	14,948.00	41	612,868.00
51			3-Jan-20	13-Jan-20	32,912.87	10	329,128.70
52			31-Jan-20	20-Feb-20	3,522.84	20	70,456.80
53			22-Jan-20	28-Jan-20	30,000.00	6	180,000.00
54			2-Jan-20	9-Jan-20	10,359.71	7	72,517.97
55			28-Jan-20	25-Feb-20	206,698.91	28	5,787,569.48
56			3-Jan-20	8-Jan-20	295,075.76	5	1,475,378.80
57			3-Jan-20	9-Jan-20	22,380.75	6	134,284.50
58			3-Jan-20	9-Jan-20	39,569.12	6	237,414.72
59			22-Jan-20	20-Feb-20	7,712.00	29	223,648.00
60			27-Jan-20	4-Feb-20	5,290.00	8	42,320.00
61			27-Jan-20	29-Jan-20	3,822.00	2	7,644.00
62			29-Jan-20	10-Feb-20	3,570.50	12	42,846.00
63			31-Jan-20	10-Feb-20	72,603.49	10	726,034.90
64			3-Jan-20	28-Jan-20	15,000.00	25	375,000.00
65			10-Jan-20	7-Feb-20	3,101.42	28	86,839.76
66			7-Jan-20	4-Feb-20	3,605.00	28	100,940.00
67			3-Jan-20	9-Jan-20	29,841.00	6	179,046.00
68			3-Jan-20	9-Jan-20	4,946.14	6	29,676.84
69			6-Jan-20	9-Jan-20	3,784.00	3	11,352.00
70			3-Jan-20	9-Jan-20	10,970.96	6	65,825.76
71			9-Jan-20	15-Jan-20	3,811.40	6	22,868.40
72			29-Jan-20	27-Feb-20	817,765.00	29	23,715,185.00
73			29-Jan-20	27-Feb-20	77,947.50	29	2,260,477.50
74			31-Jan-20	28-Feb-20	3,546.00	28	99,288.00
1			29-Jan-20	26-Feb-20	3,392.37	28	94,986.36
2			13-Jan-20	3-Feb-20	18,666.00	21	391,986.00
3			1-Jan-20	17-Jan-20	16,500.00	16	264,000.00
4			10-Jan-20	7-Feb-20	77,330.00	28	2,165,240.00
5			10-Jan-20	7-Feb-20	311,355.00	28	8,717,940.00

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Checks written between 01/01/20 and 1/31/20 for more than \$2,500

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
6			9-Jan-20	14-Feb-20	403,233.00	36	14,516,388.00
7			3-Jan-20	13-Jan-20	4,946.14	10	49,461.40
8			8-Jan-20	16-Jan-20	16,391.22	8	131,129.76
9			7-Jan-20	14-Jan-20	19,209.65	7	134,467.55
10			14-Jan-20	21-Jan-20	20,298.05	7	142,086.35
11			21-Jan-20	29-Jan-20	20,701.17	8	165,609.36
12			28-Jan-20	4-Feb-20	21,559.29	7	150,915.03
13			8-Jan-20	16-Jan-20	27,149.58	8	217,196.64
14			8-Jan-20	16-Jan-20	130,119.26	8	1,040,954.08
15			21-Jan-20	29-Jan-20	449,139.75	8	3,593,118.00
16			14-Jan-20	21-Jan-20	501,941.30	7	3,513,589.10
17			28-Jan-20	4-Feb-20	688,376.64	7	4,818,636.48
18			7-Jan-20	14-Jan-20	731,736.36	7	5,122,154.52
19			8-Jan-20	16-Jan-20	1,820,298.70	8	14,562,389.60
20			10-Jan-20	16-Jan-20	44,567.89	6	267,407.34
21			29-Jan-20	3-Feb-20	113,425.70	5	567,128.50
22			10-Jan-20	15-Jan-20	770,907.00	5	3,854,535.00
23			2-Jan-20	27-Jan-20	3,788.09	25	94,702.25
24			30-Jan-20	25-Feb-20	3,235.50	26	84,123.00
25			22-Jan-20	6-Feb-20	2,743.61	15	41,154.15
26			1-Jan-20	3-Feb-20	7,800.00	33	257,400.00
27			14-Jan-20	29-Jan-20	44,536.10	15	668,041.50
28			16-Jan-20	31-Jan-20	2,700.00	15	40,500.00
29			3-Jan-20	8-Jan-20	2,841.27	5	14,206.35
30			8-Jan-20	23-Jan-20	3,441.38	15	51,620.70
31			27-Jan-20	12-Feb-20	2,506.67	16	40,106.72
32			27-Jan-20	30-Jan-20	48,164.00	3	144,492.00
33			30-Jan-20	7-Feb-20	24,060.36	8	192,482.88
34			9-Jan-20	2-Mar-20	3,991.31	53	211,539.43
35			23-Jan-20	31-Jan-20	4,455.16	8	35,641.28
36			3-Jan-20	21-Jan-20	4,465.29	18	80,375.22
37			16-Jan-20	21-Jan-20	4,632.52	5	23,162.60
38			14-Jan-20	21-Jan-20	6,459.11	7	45,213.77
39			16-Jan-20	21-Jan-20	13,101.98	5	65,509.90
40			20-Jan-20	14-Feb-20	9,375.00	25	234,375.00
41			31-Jan-20	26-Feb-20	9,375.00	26	243,750.00
42			10-Jan-20	7-Feb-20	142,450.00	28	3,988,600.00
43			24-Jan-20	19-Feb-20	5,807.19	26	150,986.94
44			13-Jan-20	10-Feb-20	6,042.55	28	169,191.40
45			30-Jan-20	19-Feb-20	6,132.23	20	122,644.60
46			20-Jan-20	10-Feb-20	8,587.56	21	180,338.76
47			31-Jan-20	26-Feb-20	12,798.09	26	332,750.34
48			31-Jan-20	2-Mar-20	84,895.13	31	2,631,749.03
49			31-Jan-20	2-Mar-20	213,498.90	31	6,618,465.90
50			10-Jan-20	7-Feb-20	61,050.00	28	1,709,400.00
51			20-Jan-20	18-Feb-20	95,550.00	29	2,770,950.00
52			20-Jan-20	31-Jan-20	212,127.13	11	2,333,398.43
53			20-Jan-20	18-Feb-20	224,449.97	29	6,509,049.13
54			22-Jan-20	24-Jan-20	5,000.00	2	10,000.00
55			6-Jan-20	15-Jan-20	22,498.01	9	202,482.09
56			6-Jan-20	15-Jan-20	37,299.53	9	335,695.77
57			6-Jan-20	15-Jan-20	46,282.98	9	416,546.82
58			7-Jan-20	17-Jan-20	2,531.94	10	25,319.40
59			15-Jan-20	16-Jan-20	56,995.00	1	56,995.00
60			3-Jan-20	3-Feb-20	3,000.00	31	93,000.00
61			1-Jan-20	3-Jan-20	5,244.10	2	10,488.20
62			27-Jan-20	21-Feb-20	9,868.76	25	246,719.00
63			3-Jan-20	7-Jan-20	10,000.00	4	40,000.00
64			14-Jan-20	16-Jan-20	4,815.00	2	9,630.00
65			2-Jan-20	2-Jan-20	5,328.00	0	-
66			7-Jan-20	17-Jan-20	188,680.72	10	1,886,807.20
67			10-Jan-20	15-Jan-20	12,529.54	5	62,647.70
68			16-Jan-20	22-Jan-20	54,897.00	6	329,382.00
69			29-Jan-20	4-Feb-20	4,078.03	6	24,468.18
70			8-Jan-20	9-Jan-20	58,929.84	1	58,929.84
71			8-Jan-20	14-Jan-20	440,478.00	6	2,642,868.00
72			11-Jan-20	6-Feb-20	12,900.53	26	335,413.78
73			24-Jan-20	19-Feb-20	5,887.46	26	153,073.96
74			31-Jan-20	2-Mar-20	7,388.17	31	229,033.27
1			29-Jan-20	27-Feb-20	16,410.00	29	475,890.00
2			28-Jan-20	25-Feb-20	3,659.00	28	102,452.00
3			14-Jan-20	24-Jan-20	15,503.20	10	155,032.00
4			31-Jan-20	26-Feb-20	4,738.00	26	123,188.00
5			31-Jan-20	2-Mar-20	12,085.00	31	374,635.00
6			7-Jan-20	18-Feb-20	49,000.70	42	2,058,029.40
7			20-Jan-20	24-Feb-20	7,226.40	35	252,924.00

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Checks written between 01/01/20 and 1/31/20 for more than \$2,500

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
8			2-Jan-20	2-Jan-20	10,243.88	0	-
9			22-Jan-20	25-Feb-20	22,173.94	34	753,913.96
10			22-Jan-20	3-Feb-20	187,310.84	12	2,247,730.08
11			22-Jan-20	25-Feb-20	1,056,811.69	34	35,931,597.46
12			14-Jan-20	14-Jan-20	4,373.30	0	-
13			30-Jan-20	30-Jan-20	16,943.85	0	-
14			14-Jan-20	14-Jan-20	60,993.13	0	-
15			30-Jan-20	30-Jan-20	432,014.91	0	-
16			13-Jan-20	13-Jan-20	10,810.90	0	-
17			14-Jan-20	14-Jan-20	57,965.65	0	-
18			30-Jan-20	30-Jan-20	145,754.81	0	-
19			10-Jan-20	15-Jan-20	1,170,037.97	5	5,850,189.85
20			29-Jan-20	31-Jan-20	2,312,582.06	2	4,625,164.12
21			28-Jan-20	29-Jan-20	12,480.00	1	12,480.00
22			10-Jan-20	13-Jan-20	6,219.34	3	18,658.02
23			3-Jan-20	13-Jan-20	3,730.13	10	37,301.30
24			31-Jan-20	3-Feb-20	5,880.00	3	17,640.00
25			15-Jan-20	23-Jan-20	6,999.60	8	55,996.80
26			31-Jan-20	12-Feb-20	9,731.90	12	116,782.80
27			31-Jan-20	10-Feb-20	19,063.80	10	190,638.00
28			31-Jan-20	12-Feb-20	50,248.28	12	602,979.36
29			15-Jan-20	23-Jan-20	460,708.50	8	3,685,668.00
30			31-Jan-20	12-Feb-20	664,070.82	12	7,968,849.84
31			3-Jan-20	13-Jan-20	22,380.75	10	223,807.50
32			5-Jan-20	22-Jan-20	7,007.46	17	119,126.82
33			31-Jan-20	26-Feb-20	7,041.67	26	183,083.42
34			2-Jan-20	22-Jan-20	7,066.55	20	141,331.00
35			15-Jan-20	11-Feb-20	7,175.44	27	193,736.88
36			21-Jan-20	11-Feb-20	7,178.55	21	150,749.55
37			10-Jan-20	22-Jan-20	7,189.44	12	86,273.28
38			9-Jan-20	22-Jan-20	7,209.66	13	93,725.58
39			22-Jan-20	11-Feb-20	7,233.00	20	144,660.00
40			7-Jan-20	22-Jan-20	7,242.33	15	108,634.95
41			3-Jan-20	22-Jan-20	7,250.11	19	137,752.09
42			25-Jan-20	11-Feb-20	7,250.11	17	123,251.87
43			2-Jan-20	22-Jan-20	7,282.77	20	145,655.40
44			14-Jan-20	11-Feb-20	7,312.32	28	204,744.96
45			31-Jan-20	26-Feb-20	7,348.10	26	191,050.60
46			20-Jan-20	11-Feb-20	7,363.66	22	162,000.52
47			8-Jan-20	22-Jan-20	7,391.65	14	103,483.10
48			20-Jan-20	11-Feb-20	7,439.87	22	163,677.14
49			22-Jan-20	11-Feb-20	7,718.31	20	154,366.20
50			19-Jan-20	11-Feb-20	7,931.40	23	182,422.20
51			9-Jan-20	22-Jan-20	7,943.85	13	103,270.05
52			11-Jan-20	22-Jan-20	7,943.85	11	87,382.35
53			26-Jan-20	3-Feb-20	4,300.49	8	34,403.92
54			20-Jan-20	18-Feb-20	323,499.99	29	9,381,499.71
55			29-Jan-20	27-Feb-20	5,470.00	29	158,630.00
56			30-Jan-20	30-Jan-20	4,713.10	0	-
57			29-Jan-20	27-Feb-20	5,470.00	29	158,630.00
58			16-Jan-20	4-Feb-20	8,140.64	19	154,672.16
59			9-Jan-20	13-Jan-20	7,964.30	4	31,857.20
60			7-Jan-20	16-Jan-20	40,304.13	9	362,737.17
61			31-Jan-20	13-Mar-20	12,905.00	42	542,010.00
62			23-Jan-20	19-Feb-20	2,773.00	27	74,871.00
63			22-Jan-20	19-Feb-20	12,633.91	28	353,749.48
64			13-Jan-20	7-Feb-20	43,906.00	25	1,097,650.00
65			17-Jan-20	14-Feb-20	3,039.10	28	85,094.80
66			31-Jan-20	6-Mar-20	5,510.08	35	192,852.80
67			17-Jan-20	30-Jan-20	6,632.90	13	86,227.70
68			20-Jan-20	18-Feb-20	796,250.00	29	23,091,250.00
69			27-Jan-20	24-Feb-20	7,788.47	28	218,077.16
70			10-Jan-20	7-Feb-20	26,455.00	28	740,740.00
71			13-Jan-20	13-Feb-20	7,884.78	31	244,428.18
72			3-Jan-20	13-Jan-20	14,920.50	10	149,205.00
73			31-Jan-20	3-Feb-20	15,585.00	3	46,755.00
74			22-Jan-20	20-Feb-20	37,915.00	29	1,099,535.00

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Lead Lag Study**

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**Otter Tail Power Company
A/P Sample
January 2020**

Checks written between 01/01/20 and 1/31/20 for more than \$2,500

(A) (B) (C) (D) (E) (F) (G)

Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
1			31-Jan-20	5-Feb-20	3,283.52	5	16,417.60
2			6-Jan-20	21-Jan-20	48,863.55	15	732,953.25
3			31-Jan-20	26-Feb-20	3,850.31	26	100,108.06
4			22-Jan-20	29-Jan-20	2,527.66	7	17,693.62
5			3-Jan-20	13-Jan-20	4,946.14	10	49,461.40
6			27-Jan-20	24-Feb-20	3,022.04	28	84,617.12
7			20-Jan-20	14-Feb-20	13,719.08	25	342,977.00
8			19-Jan-20	13-Feb-20	18,018.00	25	450,450.00
9			8-Jan-20	21-Jan-20	4,200.00	13	54,600.00
10			16-Jan-20	30-Jan-20	3,750.00	14	52,500.00
11			3-Jan-20	9-Jan-20	14,920.50	6	89,523.00
12			28-Jan-20	25-Feb-20	4,645.21	28	130,065.88
13			3-Jan-20	13-Jan-20	12,189.95	10	121,899.50
14			1-Jan-20	16-Jan-20	21,813.43	15	327,201.45
15			22-Jan-20	19-Feb-20	6,000.00	28	168,000.00
16			23-Jan-20	19-Feb-20	21,600.00	27	583,200.00
17			30-Jan-20	28-Feb-20	5,560.69	29	161,260.01
18			15-Jan-20	12-Feb-20	5,107.00	28	142,996.00
19			31-Jan-20	26-Feb-20	53,685.83	26	1,395,831.58
20			15-Jan-20	12-Feb-20	125,371.26	28	3,510,395.28
21			13-Jan-20	10-Feb-20	35,006.00	28	980,168.00
22			3-Jan-20	13-Jan-20	7,460.25	10	74,602.50
23			3-Jan-20	13-Jan-20	10,970.96	10	109,709.60
24			15-Jan-20	12-Feb-20	3,802.50	28	106,470.00
25			21-Jan-20	29-Jan-20	11,200,000.00	8	89,600,000.00
26			3-Jan-20	13-Jan-20	7,460.25	10	74,602.50
27			31-Jan-20	31-Jan-20	16,653.60	0	-
28			23-Jan-20	23-Jan-20	6,400.00	0	-
29			23-Jan-20	23-Jan-20	12,000.00	0	-
30			23-Jan-20	23-Jan-20	3,000.00	0	-
31			23-Jan-20	23-Jan-20	4,000.00	0	-
32			31-Jan-20	31-Jan-20	7,865.52	0	-
33			31-Jan-20	31-Jan-20	7,893.96	0	-
34			31-Jan-20	31-Jan-20	21,969.72	0	-
35			31-Jan-20	31-Jan-20	2,808.00	0	-
36			31-Jan-20	31-Jan-20	2,613.72	0	-
37			31-Jan-20	31-Jan-20	5,000.00	0	-
38			31-Jan-20	31-Jan-20	3,006.00	0	-
39			24-Jan-20	17-Apr-20	28,691.00	84	2,410,044.00
40			13-Jan-20	14-Jan-20	6,035.69	1	6,035.69
41			23-Jan-20	27-Jan-20	9,435.14	4	37,740.56
42			1-Jan-20	8-Jan-20	10,189.58	7	71,327.06
43			10-Jan-20	15-Jan-20	396,530.40	5	1,982,652.00
44			23-Jan-20	29-Jan-20	12,663.16	6	75,978.96
45			31-Jan-20	18-Feb-20	224,310.11	18	4,037,581.98
46			6-Jan-20	3-Feb-20	4,843.52	28	135,618.56
47			8-Jan-20	5-Feb-20	8,587.19	28	240,441.32
48			29-Jan-20	2-Mar-20	18,860.03	33	622,380.99
49			6-Jan-20	3-Feb-20	48,419.98	28	1,355,759.44
50			28-Jan-20	7-Feb-20	14,888.00	10	148,880.00
51			15-Jan-20	30-Jan-20	233,152.50	15	3,497,287.50
52			14-Jan-20	24-Jan-20	4,036.56	10	40,365.60
53			3-Jan-20	13-Jan-20	21,941.91	10	219,419.10
54			8-Jan-20	16-Jan-20	2,945.00	8	23,560.00
55			25-Jan-20	31-Jan-20	37,500.00	6	225,000.00
56			8-Jan-20	5-Feb-20	51,189.36	28	1,433,302.08
57			28-Jan-20	7-May-20	2,500.00	100	250,000.00
58			20-Jan-20	18-Feb-20	738,000.00	29	21,402,000.00
59			29-Jan-20	27-Feb-20	1,404,000.00	29	40,716,000.00
60			9-Jan-20	23-Jan-20	13,432.50	14	188,055.00
61			6-Jan-20	30-Jan-20	2,794.52	24	67,068.48
62			22-Jan-20	12-Feb-20	4,927.72	21	103,482.12
63			16-Jan-20	30-Jan-20	7,219.01	14	101,066.14
64			15-Jan-20	30-Jan-20	12,230.50	15	183,457.50
65			29-Jan-20	14-Feb-20	6,080.50	16	97,288.00
66			3-Jan-20	9-Jan-20	29,255.88	6	175,535.28
67			7-Jan-20	4-Feb-20	7,909.57	28	221,467.96
68			23-Jan-20	17-Mar-20	8,068.71	54	435,710.34
69			23-Jan-20	19-Feb-20	8,664.54	27	233,942.58
70			20-Jan-20	18-Feb-20	318,500.00	29	9,236,500.00
71			10-Jan-20	7-Feb-20	407,000.00	28	11,396,000.00
72			10-Jan-20	16-Jan-20	6,060.75	6	36,364.50
73			31-Jan-20	19-Mar-20	227,775.13	48	10,933,206.24
74			31-Jan-20	19-Mar-20	349,032.53	48	16,753,561.44

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Accounts Payable Analysis
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**Otter Tail Power Company
A/P Sample
January 2020**

Checks written between 01/01/20 and 1/31/20 for more than \$2,500

(A) (B) (C) (D) (E) (F) (G)

Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
1			31-Jan-20	26-Feb-20	495,871.21	26	12,892,651.46
2			31-Jan-20	19-Mar-20	556,648.15	48	26,719,111.20
3			10-Jan-20	29-Jan-20	57,200.00	19	1,086,800.00
4			20-Jan-20	30-Jan-20	8,987.50	10	89,875.00
5			9-Jan-20	7-Feb-20	5,651.74	29	163,900.46
6			9-Jan-20	5-Feb-20	19,804.84	27	534,730.68
7			15-Jan-20	29-Jan-20	2,895.38	14	40,535.32
8			15-Jan-20	29-Jan-20	3,154.26	14	44,159.64
9			15-Jan-20	29-Jan-20	3,847.26	14	53,861.64
10			15-Jan-20	29-Jan-20	21,713.74	14	303,992.36
11			6-Jan-20	5-Feb-20	6,873.50	30	206,205.00
12			10-Jan-20	7-Feb-20	154,660.00	28	4,330,480.00
13			8-Jan-20	5-Feb-20	12,715.50	28	356,034.00
14			10-Jan-20	7-Feb-20	122,100.00	28	3,418,800.00
15			8-Jan-20	6-Feb-20	2,933.01	29	85,057.29
16			3-Jan-20	29-Jan-20	2,960.55	26	76,974.30
17			31-Jan-20	19-Feb-20	2,960.55	19	56,250.45
18			22-Jan-20	5-Feb-20	4,979.60	14	69,714.40
19			1-Jan-20	6-Jan-20	2,520.00	5	12,600.00
20			2-Jan-20	9-Jan-20	24,682.35	7	172,776.45
21			31-Jan-20	26-Feb-20	6,177.97	26	160,627.22
22			23-Jan-20	3-Feb-20	108,838.64	11	1,197,225.04
23			23-Jan-20	19-Feb-20	2,556.34	27	69,021.18
24			31-Jan-20	4-Mar-20	23,100.00	33	762,300.00
25			7-Jan-20	7-Jan-20	8,279.15	0	-
26			13-Jan-20	13-Jan-20	8,285.15	0	-
27			13-Jan-20	13-Jan-20	8,285.15	0	-
28			24-Jan-20	27-Jan-20	8,285.15	3	24,855.45
29			24-Jan-20	27-Jan-20	8,285.15	3	24,855.45
30			7-Jan-20	7-Jan-20	16,847.75	0	-
31			14-Jan-20	17-Jan-20	216,556.00	3	649,668.00
32			27-Jan-20	19-Mar-20	8,990.00	52	467,480.00
33			9-Jan-20	5-Feb-20	10,828.00	27	292,356.00
34			9-Jan-20	5-Feb-20	12,257.00	27	330,939.00
35			15-Jan-20	16-Jan-20	252,180.02	1	252,180.02
36			30-Jan-20	3-Feb-20	374,400.02	4	1,497,600.08
37			2-Jan-20	2-Jan-20	456,306.86	0	-
38			7-Jan-20	4-Feb-20	2,678.34	28	74,993.52
39			14-Jan-20	27-Jan-20	71,064.18	13	923,834.34
40			3-Jan-20	23-Jan-20	2,523.68	20	50,473.60
41			29-Jan-20	10-Feb-20	6,760.27	12	81,123.24
42			17-Jan-20	18-Feb-20	19,009.50	32	608,304.00
43			31-Jan-20	29-Apr-20	5,698.19	89	507,138.91
44			21-Jan-20	14-Feb-20	30,094.01	24	722,256.24
45			3-Jan-20	6-Jan-20	27,403.62	3	82,210.86
46			10-Jan-20	13-Jan-20	30,982.11	3	92,946.33
47			20-Jan-20	22-Jan-20	41,511.96	2	83,023.92
48			9-Jan-20	7-Feb-20	2,639.40	29	76,542.60
49			31-Jan-20	26-Feb-20	175,704.04	26	4,568,305.04
50			4-Jan-20	21-Jan-20	2,724.86	17	46,322.62
51			4-Jan-20	21-Jan-20	6,215.91	17	105,670.47
52			11-Jan-20	29-Jan-20	8,654.98	18	155,789.64
53			27-Jan-20	7-Feb-20	44,280.00	11	487,080.00
54			8-Jan-20	10-Feb-20	3,101.70	33	102,356.10
55			9-Jan-20	10-Feb-20	3,846.53	32	123,088.96
56			15-Jan-20	11-Feb-20	9,739.40	27	262,963.80
57							
58				Invoice Total	67,679,362.39		1,177,316,267.10
59							
60				Average Lag Days		17.40	

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Lead Lag Study**

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**Otter Tail Power Company
A/P Sample
April 2020**

Checks written between 04/01/20 and 04/30/20 for more than \$2,500

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
1			1-Apr-20	11-May-20	19,993.79	40	799,751.60
2			27-Apr-20	27-Apr-20	7,776.00	0	-
3			13-Apr-20	28-May-20	416,737.85	45	18,753,203.25
4			23-Apr-20	5-Jun-20	542,188.06	43	23,314,086.58
5			28-Apr-20	30-Apr-20	2,555.00	2	5,110.00
6			8-Apr-20	5-May-20	2,688.00	27	72,576.00
7			7-Apr-20	5-May-20	3,632.00	28	101,696.00
8			17-Apr-20	13-May-20	20,703.36	26	538,287.36
9			23-Apr-20	13-May-20	21,333.12	20	426,662.40
10			1-Apr-20	7-May-20	6,000.00	36	216,000.00
11			30-Apr-20	27-May-20	9,860.99	27	266,246.73
12			9-Apr-20	28-Apr-20	10,542.40	19	200,305.60
13			7-Apr-20	16-Apr-20	9,019.50	9	81,175.50
14			6-Apr-20	9-Apr-20	13,747.39	3	41,242.17
15			9-Apr-20	14-Apr-20	3,437.25	5	17,186.25
16			10-Apr-20	27-Apr-20	577,411.52	17	9,815,995.84
17			5-Apr-20	29-Apr-20	15,000.00	24	360,000.00
18			21-Apr-20	19-May-20	2,920.00	28	81,760.00
19			24-Apr-20	11-May-20	332,415.65	17	5,651,066.05
20			24-Apr-20	11-May-20	18,766.86	17	319,036.62
21			29-Apr-20	27-May-20	6,412.33	28	179,545.24
22			30-Apr-20	27-May-20	20,000.00	27	540,000.00
23			30-Apr-20	27-May-20	31,811.80	27	858,918.60
24			15-Apr-20	20-Apr-20	3,148.00	5	15,740.00
25			8-Apr-20	6-May-20	16,182.62	28	453,113.36
26			23-Apr-20	22-May-20	5,134.00	29	148,886.00
27			30-Apr-20	18-May-20	11,254.27	18	202,576.86
28			30-Apr-20	18-May-20	37,211.33	18	669,803.94
29			30-Apr-20	18-May-20	73,847.93	18	1,329,262.74
30			17-Apr-20	27-Apr-20	128,818.83	10	1,288,188.30
31			30-Apr-20	18-May-20	305,634.53	18	5,501,421.54
32			1-Apr-20	29-Apr-20	13,369.63	28	374,349.64
33			17-Apr-20	21-Apr-20	184,194.31	4	736,777.24
34			10-Apr-20	14-Apr-20	234,802.71	4	939,210.84
35			24-Apr-20	29-Apr-20	256,544.78	5	1,282,723.90
36			3-Apr-20	6-Apr-20	356,946.46	3	1,070,839.38
37			1-Apr-20	15-May-20	30,500.56	44	1,342,024.64
38			2-Apr-20	15-Apr-20	222,300.00	13	2,889,900.00
39			4-Apr-20	15-Apr-20	222,300.00	11	2,445,300.00
40			6-Apr-20	17-Apr-20	222,300.00	11	2,445,300.00
41			13-Apr-20	22-May-20	2,692.14	39	104,993.46
42			16-Apr-20	22-May-20	2,749.13	36	98,968.68
43			1-Apr-20	22-May-20	2,807.88	51	143,201.88
44			13-Apr-20	8-Jun-20	3,096.07	56	173,379.92
45			13-Apr-20	22-May-20	3,134.24	39	122,235.36
46			20-Apr-20	22-May-20	3,197.87	32	102,331.84
47			8-Apr-20	22-May-20	3,319.43	44	146,054.92
48			15-Apr-20	22-May-20	3,423.68	37	126,676.16
49			27-Apr-20	22-May-20	3,428.16	25	85,704.00
50			13-Apr-20	22-May-20	3,880.13	39	151,325.07
51			13-Apr-20	22-May-20	4,202.60	39	163,901.40
52			3-Apr-20	22-May-20	4,296.49	49	210,528.01
53			27-Apr-20	22-May-20	4,592.13	25	114,803.25
54			27-Apr-20	22-May-20	4,995.21	25	124,880.25
55			17-Apr-20	22-May-20	5,030.88	35	176,080.80
56			13-Apr-20	22-May-20	5,069.61	39	197,714.79
57			20-Apr-20	22-May-20	5,110.30	32	163,529.60
58			13-Apr-20	22-May-20	5,280.11	39	205,924.29
59			6-Apr-20	22-May-20	5,481.14	46	252,132.44
60			8-Apr-20	22-May-20	5,649.89	44	248,595.16
61			9-Apr-20	22-May-20	6,091.61	43	261,939.23
62			9-Apr-20	22-May-20	6,957.21	43	299,160.03
63			21-Apr-20	22-May-20	6,981.11	31	216,414.41
64			13-Apr-20	22-May-20	7,773.05	39	303,148.95
65			22-Apr-20	22-May-20	7,839.90	30	235,197.00
66			6-Apr-20	22-May-20	8,619.56	46	396,499.76
67			20-Apr-20	22-May-20	8,788.95	32	281,246.40
68			6-Apr-20	22-May-20	8,878.58	46	408,414.68
69			7-Apr-20	22-May-20	9,932.24	45	446,950.80
70			1-Apr-20	22-May-20	10,500.42	51	535,521.42
71			9-Apr-20	22-May-20	13,096.74	43	563,159.82
72			27-Apr-20	22-May-20	16,827.46	25	420,686.50
73			20-Apr-20	22-May-20	30,509.41	32	976,301.12
74			24-Apr-20	22-May-20	43,322.19	28	1,213,021.32

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Lead Lag Study**

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Accounts Payable Analysis
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**Otter Tail Power Company
A/P Sample
April 2020**

Checks written between 04/01/20 and 04/30/20 for more than \$2,500

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
1			13-Apr-20	22-May-20	43,544.09	39	1,698,219.51
2			6-Apr-20	22-May-20	72,319.40	46	3,326,692.40
3			3-Apr-20	22-May-20	72,635.23	49	3,559,126.27
4			27-Apr-20	15-Jul-20	149,163.40	79	11,783,908.60
5			23-Apr-20	15-Jul-20	191,196.93	83	15,869,345.19
6			3-Apr-20	10-Apr-20	4,245.99	7	29,721.93
7			10-Apr-20	9-Jun-20	8,090.74	60	485,444.40
8			15-Apr-20	22-Apr-20	21,135.00	7	147,945.00
9			20-Apr-20	13-May-20	4,278.08	23	98,395.84
10			14-Apr-20	13-May-20	11,615.86	29	336,859.94
11			22-Apr-20	13-May-20	11,958.10	21	251,120.10
12			25-Apr-20	20-May-20	464,291.55	25	11,607,288.75
13			21-Apr-20	24-Apr-20	52,949.47	3	158,848.41
14			7-Apr-20	5-May-20	13,656.35	28	382,377.80
15			21-Apr-20	24-Apr-20	104,878.77	3	314,636.31
16			23-Apr-20	13-May-20	2,976.75	20	59,535.00
17			24-Apr-20	13-May-20	3,318.20	19	63,045.80
18			15-Apr-20	13-May-20	3,564.13	28	99,795.64
19			24-Apr-20	15-May-20	13,673.33	21	287,139.93
20			22-Apr-20	15-May-20	2,542.85	23	58,485.55
21			22-Apr-20	15-May-20	4,614.94	23	106,143.62
22			16-Apr-20	20-May-20	7,454.51	34	253,453.34
23			1-Apr-20	6-Apr-20	2,834.11	5	14,170.55
24			2-Apr-20	28-Apr-20	4,875.60	26	126,765.60
25			30-Apr-20	13-May-20	147,035.42	13	1,911,460.46
26			7-Apr-20	18-Aug-20	8,500.00	133	1,130,500.00
27			9-Apr-20	13-May-20	5,255.04	34	178,671.36
28			7-Apr-20	13-May-20	7,267.55	36	261,631.80
29			7-Apr-20	13-May-20	12,336.70	36	444,121.20
30			9-Apr-20	13-May-20	49,950.21	34	1,698,307.14
31			9-Apr-20	13-Apr-20	170,362.50	4	681,450.00
32			30-Apr-20	27-May-20	6,945.00	27	187,515.00
33			30-Apr-20	14-May-20	4,750.00	14	66,500.00
34			20-Apr-20	14-May-20	5,500.00	24	132,000.00
35			23-Apr-20	23-Apr-20	2,603.40	0	-
36			14-Apr-20	4-May-20	5,250.00	20	105,000.00
37			14-Apr-20	4-May-20	5,300.00	20	106,000.00
38			14-Apr-20	4-May-20	21,750.00	20	435,000.00
39			8-Apr-20	1-May-20	72,211.32	23	1,660,860.36
40			8-Apr-20	1-May-20	35,128.24	23	807,949.52
41			8-Apr-20	1-May-20	5,861.50	23	134,814.50
42			8-Apr-20	1-May-20	4,786.00	23	110,078.00
43			8-Apr-20	1-May-20	18,228.01	23	419,244.23
44			1-Apr-20	8-Apr-20	3,400.00	7	23,800.00
45			1-Apr-20	8-Apr-20	12,675.31	7	88,727.17
46			28-Apr-20	11-May-20	4,128.89	13	53,675.57
47			27-Apr-20	11-May-20	5,578.58	14	78,100.12
48			30-Apr-20	3-Jun-20	10,734.40	34	364,969.60
49			6-Apr-20	4-May-20	17,205.45	28	481,752.60
50			30-Apr-20	27-May-20	46,616.33	27	1,258,640.91
51			10-Apr-20	11-May-20	3,382.17	31	104,847.27
52			7-Apr-20	27-May-20	2,764.09	50	138,204.50
53			4-Apr-20	27-May-20	5,809.73	53	307,915.69
54			10-Apr-20	6-May-20	14,994.00	26	389,844.00
55			28-Apr-20	20-May-20	16,046.10	22	353,014.20
56			23-Apr-20	20-May-20	37,850.40	27	1,021,960.80
57			7-Apr-20	15-Apr-20	376,197.99	8	3,009,583.92
58			7-Apr-20	15-Apr-20	138,090.00	8	1,104,720.00
59			7-Apr-20	15-Apr-20	868,511.72	8	6,948,093.76
60			7-Apr-20	15-Apr-20	3,525,440.30	8	28,203,522.40
61			15-Apr-20	15-May-20	2,730.60	30	81,918.00
62			16-Apr-20	27-Apr-20	21,798.00	11	239,778.00
63			16-Apr-20	27-Apr-20	50,798.00	11	558,778.00
64			30-Apr-20	29-May-20	29,678.84	29	860,686.36
65			1-Apr-20	13-Apr-20	14,051.75	12	168,621.00
66			10-Apr-20	17-Apr-20	7,215.60	7	50,509.20
67			29-Apr-20	27-May-20	119,117.25	28	3,335,283.00
68			30-Apr-20	27-May-20	12,285.00	27	331,695.00
69			6-Apr-20	7-Apr-20	2,600.00	1	2,600.00
70			21-Apr-20	24-Apr-20	103,763.89	3	311,291.67
71			6-Apr-20	8-Apr-20	4,383.02	2	8,766.04
72			21-Apr-20	24-Apr-20	101,040.63	3	303,121.89
73			30-Apr-20	7-May-20	11,405.22	7	79,836.54
74			23-Apr-20	24-Apr-20	14,520.00	1	14,520.00

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**Otter Tail Power Company
A/P Sample
April 2020**

Checks written between 04/01/20 and 04/30/20 for more than \$2,500

(A) (B) (C) (D) (E) (F) (G)

Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
1			15-Apr-20	15-May-20	5,757.30	30	172,719.00
2			15-Apr-20	13-May-20	12,531.60	28	350,884.80
3			7-Apr-20	5-May-20	2,685.12	28	75,183.36
4			23-Apr-20	20-May-20	46,163.82	27	1,246,423.14
5			3-Apr-20	13-Apr-20	10,526.67	10	105,266.70
6			2-Apr-20	13-Apr-20	10,527.84	11	115,806.24
7			2-Apr-20	13-Apr-20	10,534.86	11	115,883.46
8			3-Apr-20	13-Apr-20	10,536.03	10	105,360.30
9			6-Apr-20	13-Apr-20	10,539.53	7	73,776.71
10			7-Apr-20	13-Apr-20	10,545.66	6	63,273.96
11			4-Apr-20	13-Apr-20	10,546.55	9	94,918.95
12			7-Apr-20	13-Apr-20	10,547.72	6	63,286.32
13			6-Apr-20	13-Apr-20	10,548.89	7	73,842.23
14			3-Apr-20	13-Apr-20	10,550.06	10	105,500.60
15			15-Apr-20	8-Jul-20	14,750.00	84	1,239,000.00
16			1-Apr-20		8,000.00	-43922	(351,376,000.00)
17			9-Apr-20	29-Apr-20	10,638.14	20	212,762.80
18			6-Apr-20	8-Apr-20	2,895.66	2	5,791.32
19			16-Apr-20	23-Jun-20	7,665.00	68	521,220.00
20			13-Apr-20	22-Apr-20	4,603.20	9	41,428.80
21			23-Apr-20	29-Apr-20	8,202.10	6	49,212.60
22			24-Apr-20	22-May-20	1,187,686.42	28	33,255,219.76
23			24-Apr-20	1-May-20	8,914.69	7	62,402.83
24			24-Apr-20	1-May-20	8,915.70	7	62,409.90
25			24-Apr-20	1-May-20	9,117.30	7	63,821.10
26			24-Apr-20	1-May-20	9,117.30	7	63,821.10
27			24-Apr-20	1-May-20	9,117.30	7	63,821.10
28			28-Apr-20	1-May-20	9,117.30	3	27,351.90
29			28-Apr-20	1-May-20	9,118.31	3	27,354.93
30			24-Apr-20	1-May-20	9,121.35	7	63,849.45
31			24-Apr-20	1-May-20	9,121.35	7	63,849.45
32			24-Apr-20	1-May-20	9,628.88	7	67,402.16
33			30-Apr-20	13-May-20	15,988.50	13	207,850.50
34			14-Apr-20	22-Apr-20	4,914.79	8	39,318.32
35			3-Apr-20	29-Apr-20	34,599.95	26	899,598.70
36			6-Apr-20	13-Apr-20	116,139.14	7	812,973.98
37			30-Apr-20	15-May-20	4,809.72	15	72,145.80
38			15-Apr-20	14-May-20	4,050.52	29	117,465.08
39			3-Apr-20	14-Apr-20	8,221.50	11	90,436.50
40			3-Apr-20	14-Apr-20	19,784.00	11	217,624.00
41			4-Apr-20	14-Apr-20	31,994.50	10	319,945.00
42			28-Apr-20	29-Apr-20	290,000.00	1	290,000.00
43			2-Apr-20	4-May-20	7,001.09	32	224,034.88
44			1-Apr-20	29-Apr-20	15,190.48	28	425,333.44
45			15-Apr-20	13-May-20	3,424.65	28	95,890.20
46			8-Apr-20	6-May-20	10,830.65	28	303,258.20
47			30-Apr-20	27-May-20	660,071.12	27	17,821,920.24
48			28-Apr-20	28-May-20	2,500.00	30	75,000.00
49			4-Apr-20	7-Apr-20	8,050.00	3	24,150.00
50			13-Apr-20	13-May-20	3,923.75	30	117,712.50
51			13-Apr-20	9-Jun-20	3,923.75	57	223,653.75
52			7-Apr-20	1-May-20	6,718.75	24	161,250.00
53			28-Apr-20	1-May-20	8,090.63	3	24,271.89
54			21-Apr-20	10-Jun-20	9,708.75	50	485,437.50
55			30-Apr-20	22-May-20	2,718.90	22	59,815.80
56			9-Apr-20	6-May-20	7,674.16	27	207,202.32
57			1-Apr-20	16-Apr-20	2,979.78	15	44,696.70
58			21-Apr-20	24-Apr-20	681,465.98	3	2,044,397.94
59			20-Apr-20	14-May-20	2,500.00	24	60,000.00
60			13-Apr-20	11-May-20	13,500.00	28	378,000.00
61			24-Apr-20	27-Apr-20	18,028.00	3	54,084.00
62			29-Apr-20	25-Jun-20	64,617.30	57	3,683,186.10
63			9-Apr-20	15-Apr-20	226,750.00	6	1,360,500.00
64			17-Apr-20	20-Apr-20	20,000.00	3	60,000.00
65			21-Apr-20	16-Jun-20	3,081.25	56	172,550.00
66			30-Apr-20	13-May-20	5,000.00	13	65,000.00
67			21-Apr-20	24-Apr-20	29,890.11	3	89,670.33
68			20-Apr-20	23-Apr-20	30,000.00	3	90,000.00
69			21-Apr-20	5-May-20	5,107.46	14	71,504.44
70			7-Apr-20	5-May-20	5,111.82	28	143,130.96
71			8-Apr-20	5-May-20	5,450.67	27	147,168.09
72			9-Apr-20	5-May-20	6,656.05	26	173,057.30
73			3-Apr-20	10-Apr-20	2,755.70	7	19,289.90
74			7-Apr-20	5-May-20	3,515.66	28	98,438.48

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**Otter Tail Power Company
A/P Sample
April 2020**

Checks written between 04/01/20 and 04/30/20 for more than \$2,500

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
1			30-Apr-20	28-Sep-20	21,000.00	151	3,171,000.00
2			16-Apr-20	13-May-20	30,162.79	27	814,395.33
3			9-Apr-20	26-May-20	208,603.93	47	9,804,384.71
4			23-Apr-20	5-Jun-20	930,807.24	43	40,024,711.32
5			1-Apr-20	29-Apr-20	35,408.92	28	991,449.76
6			30-Apr-20	30-Apr-20	3,229.76	0	-
7			30-Apr-20	30-Apr-20	21,139.82	0	-
8			28-Apr-20	26-May-20	2,774.72	28	77,692.16
9			28-Apr-20	26-May-20	65,930.75	28	1,846,061.00
10			30-Apr-20	27-May-20	12,000.00	27	324,000.00
11			23-Apr-20	20-May-20	3,040.12	27	82,083.24
12			6-Apr-20	6-May-20	8,632.56	30	258,976.80
13			10-Apr-20	10-Apr-20	10,127.78	0	-
14			11-Apr-20	15-Apr-20	25,745.00	4	102,980.00
15			16-Apr-20	24-Apr-20	32,122.28	8	256,978.24
16			11-Apr-20	15-Apr-20	463,209.75	4	1,852,839.00
17			28-Apr-20	30-Apr-20	995,288.87	2	1,990,577.74
18			1-Apr-20	29-Apr-20	18,554.95	28	519,538.60
19			9-Apr-20	14-May-20	5,433.00	35	190,155.00
20			27-Apr-20	22-May-20	7,118.73	25	177,968.25
21			8-Apr-20	6-May-20	23,800.00	28	666,400.00
22			20-Apr-20	24-Apr-20	18,503.66	4	74,014.64
23			30-Apr-20	1-May-20	7,160.00	1	7,160.00
24			1-Apr-20	14-Apr-20	6,550.00	13	85,150.00
25			3-Apr-20	10-Apr-20	2,700.00	7	18,900.00
26			21-Apr-20	24-Apr-20	70,764.90	3	212,294.70
27			8-Apr-20	6-May-20	14,130.33	28	395,649.24
28			30-Apr-20	5-May-20	26,000.00	5	130,000.00
29			15-Apr-20	23-Apr-20	28,065.00	8	224,520.00
30			30-Apr-20	11-May-20	3,560.64	11	39,167.04
31			21-Apr-20	24-Apr-20	10,266.05	3	30,798.15
32			3-Apr-20	10-Apr-20	14,287.93	7	100,015.51
33			4-Apr-20	30-Apr-20	16,477.91	26	428,425.66
34			8-Apr-20	6-May-20	57,810.90	28	1,618,705.20
35			1-Apr-20	29-Apr-20	8,120.00	28	227,360.00
36			3-Apr-20	9-Apr-20	282,726.89	6	1,696,361.34
37			30-Apr-20	13-May-20	70,793.40	13	920,314.20
38			17-Apr-20	13-May-20	4,881.68	26	126,923.68
39			4-Apr-20	22-Apr-20	6,008.04	18	108,144.72
40			14-Apr-20	22-Apr-20	6,008.04	8	48,064.32
41			3-Apr-20	22-Apr-20	19,500.00	19	370,500.00
42			22-Apr-20	22-Apr-20	7,200.00	0	-
43			17-Apr-20	6-May-20	2,636.00	19	50,084.00
44			9-Apr-20	6-May-20	3,000.00	27	81,000.00
45			17-Apr-20	6-May-20	3,165.00	19	60,135.00
46			17-Apr-20	6-May-20	3,217.50	19	61,132.50
47			24-Apr-20	20-May-20	3,285.00	26	85,410.00
48			17-Apr-20	6-May-20	3,916.20	19	74,407.80
49			24-Apr-20	6-May-20	5,538.00	12	66,456.00
50			24-Apr-20	26-May-20	5,538.00	32	177,216.00
51			24-Apr-20	20-May-20	5,538.00	26	143,988.00
52			27-Apr-20	6-May-20	21,000.00	9	189,000.00
53			21-Apr-20	24-Apr-20	22,083.88	3	66,251.64
54			21-Apr-20	23-Apr-20	33,005.00	2	66,010.00
55			20-Apr-20	2-Jun-20	65,427.45	43	2,813,380.35
56			9-Apr-20	29-Apr-20	46,376.00	20	927,520.00
57			19-Apr-20	27-Apr-20	9,000.00	8	72,000.00
58			1-Apr-20	1-Apr-20	16,500.00	0	-
59			15-Apr-20	16-Apr-20	4,640.00	1	4,640.00
60			26-Apr-20	21-May-20	2,605.50	25	65,137.50
61			26-Apr-20	21-May-20	4,882.00	25	122,050.00
62			7-Apr-20	16-Apr-20	13,532.67	9	121,794.03
63			14-Apr-20	22-Apr-20	15,919.29	8	127,354.32
64			21-Apr-20	28-Apr-20	19,145.38	7	134,017.66
65			28-Apr-20	6-May-20	20,106.23	8	160,849.84
66			7-Apr-20	5-May-20	49,950.42	28	1,398,611.76
67			7-Apr-20	5-May-20	101,052.28	28	2,829,463.84
68			14-Apr-20	22-Apr-20	250,135.92	8	2,001,087.36
69			21-Apr-20	28-Apr-20	419,822.72	7	2,938,759.04
70			28-Apr-20	6-May-20	507,857.63	8	4,062,861.04
71			7-Apr-20	16-Apr-20	605,489.58	9	5,449,406.22
72			7-Apr-20	5-May-20	1,494,236.69	28	41,838,627.32
73			15-Apr-20	16-Apr-20	47,379.67	1	47,379.67
74			28-Apr-20	1-May-20	115,394.87	3	346,184.61

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Lead Lag Study**

2020 Lead-Lag Study
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**Otter Tail Power Company
A/P Sample
April 2020**

Checks written between 04/01/20 and 04/30/20 for more than \$2,500

(A) (B) (C) (D) (E) (F) (G)

Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
1			16-Apr-20	20-Apr-20	896,256.00	4	3,585,024.00
2			1-Apr-20	24-Apr-20	159,495.64	23	3,668,399.72
3			16-Apr-20	20-Apr-20	31,895.00	4	127,580.00
4			27-Apr-20	1-May-20	38,364.65	4	153,458.60
5			24-Apr-20	4-May-20	4,231.56	10	42,315.60
6			16-Apr-20	21-Apr-20	365,493.69	5	1,827,468.45
7			20-Apr-20	24-Apr-20	23,744.00	4	94,976.00
8			30-Apr-20	27-May-20	5,394.85	27	145,660.95
9			27-Apr-20	27-May-20	8,856.02	30	265,680.60
10			9-Apr-20	17-Apr-20	14,881.56	8	119,052.48
11			24-Apr-20	27-Apr-20	29,657.00	3	88,971.00
12			28-Apr-20	12-Jun-20	11,007,862.80	45	495,353,826.00
13			14-Apr-20	4-Jun-20	2,831.47	51	144,404.97
14			21-Apr-20	24-Apr-20	12,241.56	3	36,724.68
15			30-Apr-20	1-Jun-20	2,996.10	32	95,875.20
16			16-Apr-20	24-Apr-20	15,855.56	8	126,844.48
17			21-Apr-20	3-Jun-20	129,009.43	43	5,547,405.49
18			15-Apr-20	13-May-20	9,375.00	28	262,500.00
19			16-Apr-20	13-May-20	4,360.57	27	117,735.39
20			1-Apr-20	21-Apr-20	12,677.75	20	253,555.00
21			29-Apr-20	27-May-20	67,825.77	28	1,899,121.56
22			30-Apr-20	27-May-20	63,572.00	27	1,716,444.00
23			15-Apr-20	20-Apr-20	5,000.00	5	25,000.00
24			14-Apr-20	16-Apr-20	4,752.56	2	9,505.12
25			6-Apr-20	13-Apr-20	26,105.01	7	182,735.07
26			6-Apr-20	13-Apr-20	51,505.74	7	360,540.18
27			6-Apr-20	13-Apr-20	59,367.38	7	415,571.66
28			1-Apr-20	15-Apr-20	45,195.76	14	632,740.64
29			14-Apr-20	12-May-20	65,455.16	28	1,832,744.48
30			3-Apr-20	29-Apr-20	71,913.47	26	1,869,750.22
31			2-Apr-20	7-Apr-20	3,122.00	5	15,610.00
32			25-Apr-20	20-May-20	25,435.09	25	635,877.25
33			14-Apr-20	16-Apr-20	4,815.00	2	9,630.00
34			1-Apr-20	1-Apr-20	5,328.00	0	-
35			30-Apr-20	4-May-20	5,934.00	4	23,736.00
36			16-Apr-20	21-Apr-20	163,419.96	5	817,099.80
37			16-Apr-20	20-Apr-20	23,611.48	4	94,445.92
38			20-Apr-20	24-Apr-20	61,294.00	4	245,176.00
39			8-Apr-20	10-Apr-20	560,978.00	2	1,121,956.00
40			30-Apr-20	28-May-20	5,524.84	28	154,695.52
41			8-Apr-20	17-Apr-20	2,572.70	9	23,154.30
42			7-Apr-20	17-Apr-20	9,637.89	10	96,378.90
43			29-Apr-20	12-May-20	7,362.50	13	95,712.50
44			30-Apr-20	27-May-20	12,085.00	27	326,295.00
45			13-Apr-20	14-Apr-20	17,456.13	1	17,456.13
46			20-Apr-20	27-Apr-20	23,519.49	7	164,636.43
47			21-Apr-20	21-Apr-20	27,592.37	0	-
48			7-Apr-20	8-Apr-20	34,107.07	1	34,107.07
49			24-Apr-20	20-May-20	9,243.13	26	240,321.38
50			6-Apr-20	4-May-20	49,000.70	28	1,372,019.60
51			24-Apr-20	20-May-20	66,074.24	26	1,717,930.24
52			1-Apr-20	2-Apr-20	8,402.02	1	8,402.02
53			22-Apr-20	22-May-20	71,339.71	30	2,140,191.30
54			22-Apr-20	22-May-20	458,211.57	30	13,746,347.10
55			13-Apr-20	14-Apr-20	4,697.36	1	4,697.36
56			29-Apr-20	29-Apr-20	15,859.52	0	-
57			13-Apr-20	14-Apr-20	62,818.79	1	62,818.79
58			29-Apr-20	29-Apr-20	152,797.59	0	-
59			13-Apr-20	14-Apr-20	57,903.15	1	57,903.15
60			29-Apr-20	29-Apr-20	143,026.40	0	-
61			10-Apr-20	10-Apr-20	65,441.61	0	-
62			15-Apr-20	15-Apr-20	1,096,442.01	0	-
63			28-Apr-20	30-Apr-20	2,360,815.50	2	4,721,631.00
64			28-Apr-20	29-Apr-20	2,720.00	1	2,720.00
65			28-Apr-20	29-Apr-20	7,055.00	1	7,055.00
66			15-Apr-20	23-Apr-20	3,591.90	8	28,735.20
67			15-Apr-20	23-Apr-20	251,415.00	8	2,011,320.00
68			1-Apr-20	29-Apr-20	6,988.78	28	195,685.84
69			7-Apr-20	29-Apr-20	7,141.22	22	157,106.84
70			10-Apr-20	29-Apr-20	7,173.88	19	136,303.72
71			4-Apr-20	29-Apr-20	7,257.89	25	181,447.25
72			3-Apr-20	29-Apr-20	7,306.11	26	189,958.86
73			1-Apr-20	29-Apr-20	7,346.54	28	205,703.12
74			13-Apr-20	29-Apr-20	7,380.77	16	118,092.32

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**Otter Tail Power Company
A/P Sample
April 2020**

Checks written between 04/01/20 and 04/30/20 for more than \$2,500

(A) (B) (C) (D) (E) (F) (G)

Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
1			8-Apr-20	29-Apr-20	7,511.43	21	157,740.03
2			5-Apr-20	29-Apr-20	7,564.31	24	181,543.44
3			9-Apr-20	29-Apr-20	7,610.98	20	152,219.60
4			3-Apr-20	29-Apr-20	7,726.08	26	200,878.08
5			5-Apr-20	29-Apr-20	7,858.30	24	188,599.20
6			26-Apr-20	20-May-20	7,920.51	24	190,092.24
7			22-Apr-20	20-May-20	8,119.62	28	227,349.36
8			25-Apr-20	1-May-20	4,300.49	6	25,802.94
9			29-Apr-20	29-Apr-20	3,345.15	0	-
10			3-Apr-20	16-Apr-20	6,042.33	13	78,550.29
11			8-Apr-20	13-Apr-20	7,906.04	5	39,530.20
12			8-Apr-20	14-Apr-20	39,688.28	6	238,129.68
13			17-Apr-20	20-Apr-20	10,000.00	3	30,000.00
14			8-Apr-20	6-May-20	3,398.49	28	95,157.72
15			2-Apr-20	3-Apr-20	8,790.60	1	8,790.60
16			2-Apr-20	3-Apr-20	10,986.78	1	10,986.78
17			30-Apr-20	27-May-20	95,647.29	27	2,582,476.83
18			30-Apr-20	27-May-20	299,330.28	27	8,081,917.56
19			20-Apr-20	26-May-20	3,792.71	36	136,537.56
20			6-Apr-20	4-May-20	6,782.00	28	189,896.00
21			30-Apr-20	13-May-20	134,428.80	13	1,747,574.40
22			14-Apr-20	15-Apr-20	9,000.00	1	9,000.00
23			7-Apr-20	21-Apr-20	35,299.33	14	494,190.62
24			30-Apr-20	22-May-20	6,261.95	22	137,762.90
25			13-Apr-20	8-May-20	26,172.91	25	654,322.75
26			21-Apr-20	24-Apr-20	70,401.22	3	211,203.66
27			27-Apr-20	27-Apr-20	10,109.00	0	-
28			27-Apr-20	27-Apr-20	3,100.00	0	-
29			1-Apr-20	13-Apr-20	11,953.28	12	143,439.36
30			22-Apr-20	27-Apr-20	9,978.68	5	49,893.40
31			24-Apr-20	20-May-20	3,500.00	26	91,000.00
32			8-Apr-20	6-May-20	4,200.00	28	117,600.00
33			15-Apr-20	20-Apr-20	15,524.00	5	77,620.00
34			23-Apr-20	24-Apr-20	16,500.00	1	16,500.00
35			9-Apr-20	6-May-20	143,301.90	27	3,869,151.30
36			14-Apr-20	14-May-20	120,163.51	30	3,604,905.30
37			14-Apr-20	14-May-20	170,389.61	30	5,111,688.30
38			7-Apr-20	21-Apr-20	4,647.23	14	65,061.22
39			3-Apr-20	29-Apr-20	10,608.25	26	275,814.50
40			13-Apr-20	11-May-20	12,461.24	28	348,914.72
41			27-Apr-20	22-May-20	3,607.08	25	90,177.00
42			30-Apr-20	27-May-20	10,817.70	27	292,077.90
43			27-Apr-20	22-May-20	75,820.20	25	1,895,505.00
44			20-Apr-20	18-May-20	105,592.95	28	2,956,602.60
45			7-Apr-20	5-May-20	12,563.37	28	351,774.36
46			13-Apr-20	11-May-20	5,625.69	28	157,519.32
47			3-Apr-20	1-May-20	9,450.00	28	264,600.00
48			14-Apr-20	12-May-20	23,888.36	28	668,874.08
49			9-Apr-20	9-Apr-20	3,296.55	0	-
50			17-Apr-20	17-Apr-20	3,342.60	0	-
51			17-Apr-20	17-Apr-20	9,512.80	0	-
52			9-Apr-20	9-Apr-20	4,000.00	0	-
53			23-Apr-20	23-Apr-20	3,960.00	0	-
54			30-Apr-20	1-May-20	5,658.80	1	5,658.80
55			23-Apr-20	23-Apr-20	9,600.00	0	-
56			9-Apr-20	9-Apr-20	3,000.00	0	-
57			9-Apr-20	9-Apr-20	6,000.00	0	-
58			9-Apr-20	9-Apr-20	10,000.00	0	-
59			9-Apr-20	9-Apr-20	12,000.00	0	-
60			9-Apr-20	9-Apr-20	22,500.00	0	-
61			17-Apr-20	17-Apr-20	2,610.00	0	-
62			17-Apr-20	17-Apr-20	4,805.40	0	-
63			23-Apr-20	23-Apr-20	4,000.00	0	-
64			9-Apr-20	9-Apr-20	4,644.00	0	-
65			23-Apr-20	23-Apr-20	3,087.50	0	-
66			23-Apr-20	23-Apr-20	4,940.00	0	-
67			23-Apr-20	23-Apr-20	6,175.00	0	-
68			23-Apr-20	23-Apr-20	6,175.00	0	-
69			23-Apr-20	23-Apr-20	12,350.00	0	-
70			9-Apr-20	9-Apr-20	3,685.20	0	-
71			23-Apr-20	23-Apr-20	2,898.00	0	-
72			9-Apr-20	9-Apr-20	6,400.00	0	-
73			9-Apr-20	9-Apr-20	6,930.00	0	-
74			30-Apr-20	1-May-20	4,032.60	1	4,032.60

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**Otter Tail Power Company
A/P Sample
April 2020**

Checks written between 04/01/20 and 04/30/20 for more than \$2,500

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
1			17-Apr-20	17-Apr-20	3,000.00	0	-
2			17-Apr-20	17-Apr-20	3,910.80	0	-
3			23-Apr-20	23-Apr-20	2,700.00	0	-
4			17-Apr-20	17-Apr-20	3,309.02	0	-
5			9-Apr-20	9-Apr-20	4,108.00	0	-
6			20-Apr-20	24-Apr-20	4,504.98	4	18,019.92
7			1-Apr-20	16-Apr-20	10,189.58	15	152,843.70
8			30-Apr-20	7-Jul-20	60,192.85	68	4,093,113.80
9			16-Apr-20	20-Apr-20	252,093.25	4	1,008,373.00
10			30-Apr-20	18-May-20	234,351.40	18	4,218,325.20
11			14-Apr-20	12-May-20	10,386.89	28	290,832.92
12			24-Apr-20	15-Jun-20	10,875.35	52	565,518.20
13			29-Apr-20	15-Jun-20	13,540.28	47	636,393.16
14			30-Apr-20	21-May-20	14,783.30	21	310,449.30
15			29-Apr-20	15-Jun-20	26,840.69	47	1,261,512.43
16			14-Apr-20	12-May-20	28,204.05	28	789,713.40
17			24-Apr-20	15-Jun-20	28,235.72	52	1,468,257.44
18			14-Apr-20	12-May-20	45,394.91	28	1,271,057.48
19			24-Apr-20	15-Jun-20	55,881.46	52	2,905,835.92
20			26-Apr-20	21-May-20	59,133.18	25	1,478,329.50
21			29-Apr-20	15-Jun-20	65,509.33	47	3,078,938.51
22			7-Apr-20	16-Apr-20	6,000.00	9	54,000.00
23			8-Apr-20	5-Jun-20	8,841.95	58	512,833.10
24			29-Apr-20	30-Apr-20	12,659.34	1	12,659.34
25			16-Apr-20	23-Apr-20	13,860.00	7	97,020.00
26			29-Apr-20	30-Apr-20	19,165.30	1	19,165.30
27			29-Apr-20	30-Apr-20	24,969.00	1	24,969.00
28			16-Apr-20	23-Apr-20	26,381.25	7	184,668.75
29			16-Apr-20	23-Apr-20	31,290.00	7	219,030.00
30			27-Apr-20	28-Apr-20	5,900.00	1	5,900.00
31			3-Apr-20	13-Apr-20	3,254.17	10	32,541.70
32			17-Apr-20	6-May-20	3,269.50	19	62,120.50
33			9-Apr-20	23-Apr-20	12,266.50	14	171,731.00
34			8-Apr-20	8-May-20	3,059.64	30	91,789.20
35			20-Apr-20	18-May-20	7,938.89	28	222,288.92
36			9-Apr-20	29-Apr-20	8,951.71	20	179,034.20
37			14-Apr-20	12-May-20	9,699.59	28	271,588.52
38			15-Apr-20	13-May-20	7,712.77	28	215,957.56
39			22-Apr-20	20-May-20	9,549.58	28	267,388.24
40			3-Apr-20	7-Apr-20	3,839.08	4	15,356.32
41			24-Apr-20	20-May-20	9,476.00	26	246,376.00
42			24-Apr-20	20-May-20	17,325.00	26	450,450.00
43			24-Apr-20	20-May-20	22,923.00	26	595,998.00
44			30-Apr-20	27-May-20	14,900.00	27	402,300.00
45			30-Apr-20	27-May-20	22,900.00	27	618,300.00
46			30-Apr-20	27-May-20	24,100.00	27	650,700.00
47			30-Apr-20	27-May-20	73,755.00	27	1,991,385.00
48			22-Apr-20	24-Apr-20	7,500.00	2	15,000.00
49			10-Apr-20	1-May-20	57,200.00	21	1,201,200.00
50			3-Apr-20	11-May-20	8,987.50	38	341,525.00
51			15-Apr-20	28-Apr-20	12,042.28	13	156,549.64
52			27-Apr-20	22-May-20	17,166.50	25	429,162.50
53			9-Apr-20	15-Apr-20	2,617.00	6	15,702.00
54			2-Apr-20	20-Apr-20	4,038.30	18	72,689.40
55			1-Apr-20	16-Apr-20	2,933.01	15	43,995.15
56			29-Apr-20	12-May-20	2,933.01	13	38,129.13
57			3-Apr-20	10-Apr-20	34,358.83	7	240,511.81
58			29-Apr-20	27-May-20	16,952.56	28	474,671.68
59			2-Apr-20	29-Apr-20	5,192.39	27	140,194.53
60			10-Apr-20	15-Apr-20	13,100.00	5	65,500.00
61			2-Apr-20	10-Apr-20	7,000.00	8	56,000.00
62			8-Apr-20	27-Apr-20	5,983.00	19	113,677.00
63			8-Apr-20	27-Apr-20	7,935.00	19	150,765.00
64			8-Apr-20	27-Apr-20	13,161.00	19	250,059.00
65			6-Apr-20	27-Apr-20	30,332.00	21	636,972.00
66			15-Apr-20	16-Apr-20	253,246.88	1	253,246.88
67			1-Apr-20	1-Apr-20	545,061.67	0	-
68			11-Apr-20	29-May-20	64,106.47	48	3,077,110.56
69			21-Apr-20	19-May-20	23,353.10	28	653,886.80
70			1-Apr-20	24-Apr-20	2,612,995.00	23	60,098,885.00
71			27-Apr-20	26-May-20	6,421.50	29	186,223.50
72			3-Apr-20	3-Apr-20	5,300.00	0	-
73			20-Apr-20	22-Apr-20	24,056.21	2	48,112.42
74			10-Apr-20	13-Apr-20	27,473.76	3	82,421.28

**Otter Tail Power Company
A/P Sample
April 2020**

Checks written between 04/01/20 and 04/30/20 for more than \$2,500

(A) (B) (C) (D) (E) (F) (G)

Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
75			2-Apr-20	3-Apr-20	27,859.97	1	27,859.97
76			30-Apr-20	27-May-20	135,261.00	27	3,652,047.00
77			3-Apr-20	15-Apr-20	2,724.86	12	32,698.32
78			3-Apr-20	15-Apr-20	6,215.91	12	74,590.92
79			1-Apr-20	10-Apr-20	7,342.01	9	66,078.09
80			9-Apr-20	11-May-20	9,739.40	32	311,660.80

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**Otter Tail Power Company
A/P Sample
July 2020**

Checks written between 7/01/20 and 7/31/20 for more than \$2,500

(A) (B) (C) (D) (E) (F) (G)

Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
1			1-Jul-20	8-Jul-20	19,993.79	7	139,956.53
2			20-Jul-20	14-Aug-20	23,546.00	25	588,650.00
3			9-Jul-20	5-Aug-20	10,072.76	27	271,964.52
4			14-Jul-20	11-Aug-20	19,697.40	28	551,527.20
5			9-Jul-20	5-Aug-20	21,293.76	27	574,931.52
6			9-Jul-20	5-Aug-20	21,677.52	27	585,293.04
7			22-Jul-20	11-Aug-20	22,012.08	20	440,241.60
8			30-Jul-20	14-Sep-20	11,936.74	46	549,090.04
9			1-Jul-20	14-Jul-20	6,000.00	13	78,000.00
10			15-Jul-20	17-Aug-20	598,475.00	33	19,749,675.00
11			15-Jul-20	17-Aug-20	598,475.00	33	19,749,675.00
12			31-Jul-20	25-Aug-20	8,570.25	25	214,256.25
13			15-Jul-20	29-Jul-20	8,383.04	14	117,362.56
14			13-Jul-20	29-Jul-20	9,462.19	16	151,395.04
15			30-Jul-20	28-Aug-20	9,805.56	29	284,361.24
16			1-Jul-20	29-Jul-20	10,045.70	28	281,279.60
17			10-Jul-20	6-Aug-20	4,309.33	27	116,351.91
18			27-Jul-20	24-Aug-20	13,769.44	28	385,544.32
19			24-Jul-20	19-Aug-20	5,701.13	26	148,229.38
20			15-Jul-20	12-Aug-20	7,824.80	28	219,094.40
21			27-Jul-20	27-Aug-20	27,350.00	31	847,850.00
22			7-Jul-20	7-Aug-20	325,600.00	31	10,093,600.00
23			15-Jul-20	31-Aug-20	12,373.50	47	581,554.50
24			15-Jul-20	11-Sep-20	12,373.50	58	717,663.00
25			15-Jul-20	17-Aug-20	30,750.00	33	1,014,750.00
26			28-Jul-20	21-Aug-20	6,337.08	24	152,089.92
27			17-Jul-20	27-Aug-20	4,140.00	41	169,740.00
28			24-Jul-20	27-Jul-20	7,500.00	3	22,500.00
29			9-Jul-20	15-Jul-20	3,055.00	6	18,330.00
30			30-Jul-20	26-Aug-20	2,519.50	27	68,026.50
31			28-Jul-20	18-Aug-20	2,966.81	21	62,303.01
32			30-Jul-20	26-Aug-20	6,524.42	27	176,159.34
33			24-Jul-20	18-Aug-20	6,860.03	25	171,500.75
34			6-Jul-20	31-Jul-20	2,730.07	25	68,251.75
35			23-Jul-20	17-Aug-20	3,178.59	25	79,464.75
36			9-Jul-20	17-Jul-20	6,408.11	8	51,264.88
37			27-Jul-20	30-Jul-20	7,200.00	3	21,600.00
38			31-Jul-20	2-Oct-20	2,653.10	63	167,145.30
39			10-Jul-20	28-Jul-20	543,777.08	18	9,787,987.44
40			21-Jul-20	19-Aug-20	3,318.75	29	96,243.75
41			30-Jul-20	12-Aug-20	4,131.28	13	53,706.64
42			5-Jul-20	29-Jul-20	15,000.00	24	360,000.00
43			28-Jul-20	27-Aug-20	3,025.00	30	90,750.00
44			28-Jul-20	10-Aug-20	330,564.31	13	4,297,336.03
45			28-Jul-20	10-Aug-20	20,078.75	13	261,023.75
46			29-Jul-20	7-Aug-20	4,142.85	9	37,285.65
47			31-Jul-20	26-Aug-20	20,000.00	26	520,000.00
48			31-Jul-20	26-Aug-20	34,403.45	26	894,489.70
49			27-Jul-20	6-Aug-20	3,041.15	10	30,411.50
50			24-Jul-20	7-Aug-20	5,655.00	14	79,170.00
51			27-Jul-20	26-Aug-20	6,221.00	30	186,630.00
52			24-Jul-20	24-Aug-20	8,397.00	31	260,307.00
53			23-Jul-20	21-Aug-20	5,134.00	29	148,886.00
54			31-Jul-20	21-Aug-20	10,545.40	21	221,453.40
55			31-Jul-20	21-Aug-20	30,809.90	21	647,007.90
56			31-Jul-20	21-Aug-20	58,295.06	21	1,224,196.26
57			21-Jul-20	30-Jul-20	129,882.19	9	1,168,939.71
58			31-Jul-20	21-Aug-20	197,673.73	21	4,151,148.33
59			6-Jul-20	8-Jul-20	10,257.00	2	20,514.00
60			24-Jul-20	19-Aug-20	8,153.00	26	211,978.00
61			21-Jul-20	20-Aug-20	14,017.50	30	420,525.00
62			31-Jul-20	3-Aug-20	204,127.13	3	612,381.39
63			16-Jul-20	20-Jul-20	232,518.45	4	930,073.80
64			10-Jul-20	14-Jul-20	284,258.53	4	1,137,034.12
65			24-Jul-20	27-Jul-20	308,382.03	3	925,146.09
66			3-Jul-20	14-Jul-20	316,001.20	11	3,476,013.20
67			1-Jul-20	29-Jul-20	17,608.49	28	493,037.72
68			7-Jul-20	17-Jul-20	19,350.00	10	193,500.00
69			24-Jul-20	5-Aug-20	248,600.00	12	2,983,200.00
70			13-Jul-20	24-Jul-20	257,400.00	11	2,831,400.00
71			31-Jul-20	12-Aug-20	257,400.00	12	3,088,800.00
72			16-Jul-20	29-Jul-20	336,728.00	13	4,377,464.00
73			15-Jul-20	20-Jul-20	4,874.00	5	24,370.00
74			24-Jul-20	25-Aug-20	235,200.00	32	7,526,400.00

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**Otter Tail Power Company
A/P Sample
July 2020**

Checks written between 7/01/20 and 7/31/20 for more than \$2,500

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
1			14-Jul-20	29-Jul-20	5,235.00	15	78,525.00
2			24-Jul-20	25-Aug-20	2,607.66	32	83,445.12
3			15-Jul-20	25-Aug-20	2,851.76	41	116,922.16
4			13-Jul-20	25-Aug-20	2,938.33	43	126,348.19
5			29-Jul-20	25-Aug-20	2,966.92	27	80,106.84
6			20-Jul-20	25-Aug-20	3,358.17	36	120,894.12
7			8-Jul-20	25-Aug-20	3,371.94	48	161,853.12
8			14-Jul-20	25-Aug-20	3,412.43	42	143,322.06
9			1-Jul-20	25-Aug-20	3,476.43	55	191,203.65
10			13-Jul-20	25-Aug-20	3,796.11	43	163,232.73
11			14-Jul-20	1-Sep-20	3,871.94	49	189,725.06
12			10-Jul-20	25-Aug-20	4,003.97	46	184,182.62
13			27-Jul-20	25-Aug-20	4,147.92	29	120,289.68
14			20-Jul-20	25-Aug-20	4,199.12	36	151,168.32
15			15-Jul-20	25-Aug-20	4,289.14	41	175,854.74
16			9-Jul-20	25-Aug-20	4,430.01	47	208,210.47
17			13-Jul-20	25-Aug-20	4,432.67	43	190,604.81
18			27-Jul-20	25-Aug-20	5,052.60	29	146,525.40
19			27-Jul-20	25-Aug-20	6,463.38	29	187,438.02
20			13-Jul-20	25-Aug-20	6,790.90	43	292,008.70
21			27-Jul-20	25-Aug-20	8,772.70	29	254,408.30
22			13-Jul-20	25-Aug-20	9,123.44	43	392,307.92
23			27-Jul-20	25-Aug-20	9,415.90	29	273,061.10
24			13-Jul-20	25-Aug-20	10,160.27	43	436,891.61
25			30-Jul-20	25-Sep-20	10,539.12	57	600,729.84
26			20-Jul-20	25-Aug-20	10,778.67	36	388,032.12
27			27-Jul-20	26-Aug-20	10,845.11	30	325,353.30
28			14-Jul-20	25-Aug-20	11,289.08	42	474,141.36
29			27-Jul-20	25-Aug-20	17,939.75	29	520,252.75
30			13-Jul-20	25-Aug-20	21,032.72	43	904,406.96
31			20-Jul-20	25-Aug-20	23,772.21	36	855,799.56
32			29-Jul-20	25-Aug-20	29,003.45	27	783,093.15
33			13-Jul-20	25-Aug-20	32,438.23	43	1,394,843.89
34			20-Jul-20	25-Aug-20	34,555.14	36	1,243,985.04
35			7-Jul-20	25-Aug-20	35,213.49	49	1,725,461.01
36			13-Jul-20	25-Aug-20	78,292.82	43	3,366,591.26
37			6-Jul-20	17-Jul-20	4,700.00	11	51,700.00
38			2-Jul-20	6-Jul-20	3,350.00	4	13,400.00
39			7-Jul-20	7-Aug-20	61,050.00	31	1,892,550.00
40			25-Jul-20	20-Aug-20	153,841.15	26	3,999,869.90
41			25-Jul-20	20-Aug-20	157,339.70	26	4,090,832.20
42			25-Jul-20	20-Aug-20	172,160.55	26	4,476,174.30
43			8-Jul-20	7-Aug-20	61,115.94	30	1,833,478.20
44			27-Jul-20	17-Aug-20	6,049.56	21	127,040.76
45			23-Jul-20	19-Aug-20	4,314.45	27	116,490.15
46			22-Jul-20	24-Jul-20	25,000.00	2	50,000.00
47			16-Jul-20	7-Aug-20	3,916.87	22	86,171.14
48			22-Jul-20	7-Aug-20	17,430.00	16	278,880.00
49			31-Jul-20	2-Sep-20	3,327.52	33	109,808.16
50			20-Jul-20	20-Jul-20	2,928.00	0	-
51			27-Jul-20	27-Aug-20	27,350.00	31	847,850.00
52			10-Jul-20	29-Jul-20	3,352.45	19	63,696.55
53			6-Jul-20	3-Aug-20	5,040.00	28	141,120.00
54			6-Jul-20	3-Aug-20	6,480.00	28	181,440.00
55			10-Jul-20	3-Aug-20	9,629.07	24	231,097.68
56			16-Jul-20	11-Aug-20	11,433.28	26	297,265.28
57			2-Jul-20	29-Jul-20	16,422.00	27	443,394.00
58			14-Jul-20	11-Aug-20	117,204.67	28	3,281,730.76
59			6-Jul-20	3-Aug-20	194,484.00	28	5,445,552.00
60			20-Jul-20	14-Aug-20	2,550.11	25	63,752.75
61			20-Jul-20	14-Aug-20	4,308.99	25	107,724.75
62			20-Jul-20	14-Aug-20	5,623.30	25	140,582.50
63			20-Jul-20	14-Aug-20	8,315.59	25	207,889.75
64			28-Jul-20	25-Aug-20	3,865.00	28	108,220.00
65			14-Jul-20	13-Aug-20	5,313.28	30	159,398.40
66			28-Jul-20	25-Aug-20	7,316.00	28	204,848.00
67			14-Jul-20	13-Aug-20	7,350.89	30	220,526.70
68			31-Jul-20	31-Aug-20	6,710.00	31	208,010.00
69			2-Jul-20	6-Jul-20	5,840.00	4	23,360.00
70			8-Jul-20	28-Oct-20	3,728.00	112	417,536.00
71			8-Jul-20	28-Oct-20	3,905.00	112	437,360.00
72			26-Jul-20	18-Sep-20	3,500.00	54	189,000.00
73			24-Jul-20	25-Aug-20	8,050.00	32	257,600.00
74			24-Jul-20	25-Aug-20	8,050.00	32	257,600.00

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**Otter Tail Power Company
A/P Sample
July 2020**

Checks written between 7/01/20 and 7/31/20 for more than \$2,500

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
1			24-Jul-20	25-Aug-20	28,980.00	32	927,360.00
2			24-Jul-20	25-Aug-20	35,420.00	32	1,133,440.00
3			7-Jul-20	7-Aug-20	81,400.00	31	2,523,400.00
4			7-Jul-20	7-Aug-20	162,800.00	31	5,046,800.00
5			27-Jul-20	27-Aug-20	464,950.00	31	14,413,450.00
6			15-Jul-20	17-Aug-20	123,000.00	33	4,059,000.00
7			27-Jul-20	27-Jul-20	4,708.64	0	-
8			15-Jul-20	29-Jul-20	5,250.00	14	73,500.00
9			14-Jul-20	29-Jul-20	5,300.00	15	79,500.00
10			14-Jul-20	28-Jul-20	21,750.00	14	304,500.00
11			10-Jul-20	27-Jul-20	46,333.26	17	787,665.42
12			10-Jul-20	27-Jul-20	18,000.23	17	306,003.91
13			7-Jul-20	5-Aug-20	22,803.80	29	661,310.20
14			10-Jul-20	27-Jul-20	5,868.57	17	99,765.69
15			10-Jul-20	27-Jul-20	4,796.00	17	81,532.00
16			10-Jul-20	27-Jul-20	16,381.27	17	278,481.59
17			29-Jul-20	26-Aug-20	2,921.18	28	81,793.04
18			1-Jul-20	10-Jul-20	3,400.00	9	30,600.00
19			1-Jul-20	10-Jul-20	12,675.31	9	114,077.79
20			9-Jul-20	28-Jul-20	2,929.45	19	55,659.55
21			22-Jul-20	28-Jul-20	4,459.01	6	26,754.06
22			24-Jul-20	19-Aug-20	9,108.97	26	236,833.22
23			31-Jul-20	31-Aug-20	7,446.36	31	230,837.16
24			27-Jul-20	27-Aug-20	61,537.50	31	1,907,662.50
25			6-Jul-20	14-Jul-20	2,853.27	8	22,826.16
26			29-Jul-20	21-Aug-20	3,777.00	23	86,871.00
27			25-Jul-20	13-Jan-21	4,482.75	172	771,033.00
28			24-Jul-20	25-Aug-20	58,800.00	32	1,881,600.00
29			6-Jul-20	14-Jul-20	333,371.57	8	2,666,972.56
30			6-Jul-20	14-Jul-20	138,090.00	8	1,104,720.00
31			6-Jul-20	14-Jul-20	863,616.03	8	6,908,928.24
32			6-Jul-20	14-Jul-20	3,925,616.62	8	31,404,932.96
33			20-Jul-20	1-Sep-20	15,340.80	43	659,654.40
34			16-Jul-20	28-Aug-20	45,285.76	43	1,947,287.68
35			24-Jul-20	19-Aug-20	27,341.00	26	710,866.00
36			13-Jul-20	10-Aug-20	4,123.31	28	115,452.68
37			1-Jul-20	8-Jul-20	14,051.75	7	98,362.25
38			17-Jul-20	22-Jul-20	4,484.55	5	22,422.75
39			17-Jul-20	22-Jul-20	5,909.06	5	29,545.30
40			17-Jul-20	22-Jul-20	6,063.75	5	30,318.75
41			17-Jul-20	22-Jul-20	6,800.46	5	34,002.30
42			17-Jul-20	22-Jul-20	12,145.35	5	60,726.75
43			31-Jul-20	26-Aug-20	12,694.50	26	330,057.00
44			30-Jul-20	11-Aug-20	3,300.00	12	39,600.00
45			29-Jul-20	3-Aug-20	2,900.00	5	14,500.00
46			22-Jul-20	28-Jul-20	6,101.00	6	36,606.00
47			17-Jul-20	21-Jul-20	11,576.72	4	46,306.88
48			22-Jul-20	27-Jul-20	15,219.54	5	76,097.70
49			28-Jul-20	3-Aug-20	16,798.03	6	100,788.18
50			6-Jul-20	7-Jul-20	19,495.30	1	19,495.30
51			13-Jul-20	13-Jul-20	20,975.94	0	-
52			13-Jul-20	15-Jul-20	15,558.00	2	31,116.00
53			1-Jul-20	17-Jul-20	3,021.88	16	48,350.08
54			30-Jul-20	5-Aug-20	11,139.29	6	66,835.74
55			2-Jul-20	7-Aug-20	4,962.25	36	178,641.00
56			19-Jul-20	27-Jul-20	2,642.06	8	21,136.48
57			8-Jul-20	20-Aug-20	4,409.00	43	189,587.00
58			8-Jul-20	5-Aug-20	5,672.70	28	158,835.60
59			2-Jul-20	17-Jul-20	4,747.59	15	71,213.85
60			14-Jul-20	29-Jul-20	8,447.50	15	126,712.50
61			30-Jul-20	18-Aug-20	4,864,480.63	19	92,425,131.97
62			13-Jul-20	14-Jul-20	7,326.00	1	7,326.00
63			20-Jul-20	16-Sep-20	9,126.13	58	529,315.54
64			21-Jul-20	20-Aug-20	11,123.73	30	333,711.90
65			15-Jul-20	17-Aug-20	15,375.00	33	507,375.00
66			7-Jul-20	8-Jul-20	2,928.00	1	2,928.00
67			10-Jul-20	5-Aug-20	22,788.32	26	592,496.32
68			7-Jul-20		8,000.00	-44019	(352,152,000.00)
69			20-Jul-20	19-Aug-20	3,910.21	30	117,306.30
70			20-Jul-20	19-Aug-20	4,014.29	30	120,428.70
71			6-Jul-20	5-Aug-20	10,275.53	30	308,265.90
72			20-Jul-20	19-Aug-20	16,849.52	30	505,485.60
73			20-Jul-20	17-Aug-20	12,600.61	28	352,817.08
74			7-Jul-20	4-Aug-20	34,537.25	28	967,043.00

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**Otter Tail Power Company
A/P Sample
July 2020**

Checks written between 7/01/20 and 7/31/20 for more than \$2,500

(A) (B) (C) (D) (E) (F) (G)

Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
1			17-Jul-20	12-Aug-20	6,406.54	26	166,570.04
2			6-Jul-20	12-Aug-20	43,239.96	37	1,599,878.52
3			30-Jul-20	26-Aug-20	2,543.00	27	68,661.00
4			27-Jul-20	4-Aug-20	29,151.50	8	233,212.00
5			13-Jul-20	27-Jul-20	3,171.36	14	44,399.04
6			25-Jul-20	25-Aug-20	3,308,241.48	31	102,555,485.88
7			1-Jul-20	10-Aug-20	5,546.78	40	221,871.20
8			15-Jul-20	14-Aug-20	10,180.63	30	305,418.90
9			2-Jul-20	29-Jul-20	34,599.95	27	934,198.65
10			8-Jul-20	15-Jul-20	94,794.31	7	663,560.17
11			14-Jul-20	5-Aug-20	5,345.00	22	117,590.00
12			1-Jul-20	29-Jul-20	15,190.48	28	425,333.44
13			23-Jul-20	21-Aug-20	61,955.75	29	1,796,716.75
14			27-Jul-20	24-Aug-20	225,287.43	28	6,308,048.04
15			8-Jul-20	21-Jul-20	4,734.00	13	61,542.00
16			28-Jul-20	3-Aug-20	3,840.00	6	23,040.00
17			23-Jul-20	9-Sep-20	2,500.00	48	120,000.00
18			2-Jul-20	6-Jul-20	2,912.00	4	11,648.00
19			9-Jul-20	20-Jul-20	58,247.50	11	640,722.50
20			6-Jul-20	28-Jul-20	3,923.75	22	86,322.50
21			7-Jul-20	28-Jul-20	3,923.75	21	82,398.75
22			28-Jul-20	17-Aug-20	6,718.75	20	134,375.00
23			21-Jul-20	17-Aug-20	8,090.63	27	218,447.01
24			14-Jul-20	28-Jul-20	9,708.75	14	135,922.50
25			31-Jul-20	25-Aug-20	3,674.70	25	91,867.50
26			8-Jul-20	5-Aug-20	34,190.24	28	957,326.72
27			1-Jul-20	22-Jul-20	3,004.73	21	63,099.33
28			31-Jul-20	3-Aug-20	18,386.00	3	55,158.00
29			9-Jul-20	13-Jul-20	24,143.00	4	96,572.00
30			30-Jul-20	14-Aug-20	36,453.63	15	546,804.45
31			10-Jul-20	15-Jul-20	230,000.00	5	1,150,000.00
32			15-Jul-20	17-Aug-20	15,375.00	33	507,375.00
33			24-Jul-20	25-Aug-20	80,500.00	32	2,576,000.00
34			30-Jul-20	3-Aug-20	4,500.00	4	18,000.00
35			31-Jul-20	17-Aug-20	5,000.00	17	85,000.00
36			21-Jul-20	18-Aug-20	5,651.00	28	158,228.00
37			23-Jul-20	12-Aug-20	3,940.00	20	78,800.00
38			17-Jul-20	25-Aug-20	4,043.15	39	157,682.85
39			10-Jul-20	13-Jul-20	30,000.00	3	90,000.00
40			31-Jul-20	7-Aug-20	30,000.00	7	210,000.00
41			6-Jul-20	27-Jul-20	5,092.23	21	106,936.83
42			13-Jul-20	31-Aug-20	5,129.23	49	251,332.27
43			22-Jul-20	17-Aug-20	5,166.22	26	134,321.72
44			22-Jul-20	17-Aug-20	5,262.88	26	136,834.88
45			20-Jul-20	17-Aug-20	6,867.51	28	192,290.28
46			2-Jul-20	27-Jul-20	6,991.75	25	174,793.75
47			7-Jul-20	6-Aug-20	3,536.58	30	106,097.40
48			7-Jul-20	6-Aug-20	11,037.36	30	331,120.80
49			31-Jul-20	26-Aug-20	4,100.00	26	106,600.00
50			31-Jul-20	25-Aug-20	6,950.00	25	173,750.00
51			21-Jul-20	20-Aug-20	6,270.00	30	188,100.00
52			2-Jul-20	6-Jul-20	2,916.00	4	11,664.00
53			15-Jul-20	12-Aug-20	2,951.75	28	82,649.00
54			17-Jul-20	12-Aug-20	18,526.00	26	481,676.00
55			22-Jul-20	19-Aug-20	86,664.00	28	2,426,592.00
56			31-Jul-20	21-Aug-20	7,163.48	21	150,433.08
57			13-Jul-20	21-Aug-20	10,233.32	39	399,099.48
58			21-Jul-20	9-Oct-20	2,692.00	80	215,360.00
59			31-Jul-20	31-Jul-20	3,248.76	0	-
60			31-Jul-20	31-Jul-20	20,940.75	0	-
61			11-Jul-20	24-Feb-21	25,129.84	228	5,729,603.52
62			10-Jul-20	15-Jul-20	25,745.00	5	128,725.00
63			10-Jul-20	15-Jul-20	446,454.72	5	2,232,273.60
64			29-Jul-20	31-Jul-20	995,362.74	2	1,990,725.48
65			30-Jul-20	11-Sep-20	6,996.37	43	300,843.91
66			6-Jul-20	4-Aug-20	3,040.00	29	88,160.00
67			13-Jul-20	10-Aug-20	3,648.00	28	102,144.00
68			20-Jul-20	10-Aug-20	3,990.00	21	83,790.00
69			27-Jul-20	10-Aug-20	6,118.00	14	85,652.00
70			27-Jul-20	10-Aug-20	7,468.14	14	104,553.96
71			13-Jul-20	10-Aug-20	7,820.26	28	218,967.28
72			20-Jul-20	10-Aug-20	8,277.45	21	173,826.45
73			27-Jul-20	10-Aug-20	12,160.00	14	170,240.00
74			20-Jul-20	21-Jul-20	2,684.00	1	2,684.00

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**Otter Tail Power Company
A/P Sample
July 2020**

Checks written between 7/01/20 and 7/31/20 for more than \$2,500

(A) (B) (C) (D) (E) (F) (G)

Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
1			20-Jul-20	21-Jul-20	2,912.00	1	2,912.00
2			2-Jul-20	6-Jul-20	2,912.00	4	11,648.00
3			6-Jul-20	3-Aug-20	4,493.50	28	125,818.00
4			27-Jul-20	24-Aug-20	8,338.50	28	233,478.00
5			27-Jul-20	25-Aug-20	8,878.50	29	257,476.50
6			31-Jul-20	19-Aug-20	6,192.50	19	117,657.50
7			8-Jul-20	7-Aug-20	2,509.07	30	75,272.10
8			8-Jul-20	7-Aug-20	3,439.53	30	103,185.90
9			8-Jul-20	7-Aug-20	3,675.74	30	110,272.20
10			17-Jul-20	17-Aug-20	53,541.96	31	1,659,800.76
11			24-Jul-20	24-Jul-20	9,094.17	0	-
12			7-Jul-20	8-Jul-20	6,300.00	1	6,300.00
13			7-Jul-20	7-Aug-20	101,750.00	31	3,154,250.00
14			27-Jul-20	27-Aug-20	136,750.00	31	4,239,250.00
15			27-Jul-20	27-Aug-20	136,750.00	31	4,239,250.00
16			27-Jul-20	27-Aug-20	683,750.00	31	21,196,250.00
17			24-Jul-20	14-Aug-20	3,330.81	21	69,947.01
18			8-Jul-20	9-Jul-20	2,904.00	1	2,904.00
19			13-Jul-20	14-Jul-20	2,892.00	1	2,892.00
20			20-Jul-20	20-Jul-20	4,508.00	0	-
21			2-Jul-20	10-Jul-20	3,750.00	8	30,000.00
22			9-Jul-20	5-Aug-20	2,721.92	27	73,491.84
23			31-Jul-20	5-Aug-20	26,000.00	5	130,000.00
24			10-Jul-20	5-Aug-20	167,924.41	26	4,366,034.66
25			22-Jul-20	23-Jul-20	4,742.29	1	4,742.29
26			10-Jul-20	23-Jul-20	43,960.00	13	571,480.00
27			2-Jul-20	6-Jul-20	2,916.00	4	11,664.00
28			31-Jul-20	13-Aug-20	3,592.95	13	46,708.35
29			1-Jul-20	10-Jul-20	9,368.82	9	84,319.38
30			8-Jul-20	15-Jul-20	258,574.95	7	1,810,024.65
31			24-Jul-20	31-Aug-20	3,382.70	38	128,542.60
32			24-Jul-20	25-Aug-20	54,300.00	32	1,737,600.00
33			24-Jul-20	25-Aug-20	54,300.00	32	1,737,600.00
34			24-Jul-20	25-Aug-20	72,400.00	32	2,316,800.00
35			31-Jul-20	14-Aug-20	69,631.13	14	974,835.82
36			2-Jul-20	9-Jul-20	3,354.40	7	23,480.80
37			6-Jul-20	8-Jul-20	3,588.00	2	7,176.00
38			1-Jul-20	29-Jul-20	3,588.00	28	100,464.00
39			31-Jul-20	1-Sep-20	6,008.04	32	192,257.28
40			15-Jul-20	12-Aug-20	12,261.00	28	343,308.00
41			7-Jul-20	29-Jul-20	19,602.00	22	431,244.00
42			25-Jul-20	12-Aug-20	6,433.21	18	115,797.78
43			8-Jul-20	9-Jul-20	2,908.00	1	2,908.00
44			27-Jul-20	27-Jul-20	6,580.00	0	-
45			22-Jul-20	7-Aug-20	2,924.19	16	46,787.04
46			27-Jul-20	27-Aug-20	817,765.00	31	25,350,715.00
47			27-Jul-20	27-Aug-20	77,947.50	31	2,416,372.50
48			29-Jul-20	1-Sep-20	17,059.50	34	580,023.00
49			31-Jul-20	31-Aug-20	5,855.00	31	181,505.00
50			28-Jul-20	3-Aug-20	8,855.00	6	53,130.00
51			28-Jul-20	3-Aug-20	81,585.00	6	489,510.00
52			23-Jul-20	26-Aug-20	4,075.92	34	138,581.28
53			23-Jul-20	19-Aug-20	5,837.16	27	157,603.32
54			23-Jul-20	26-Aug-20	22,695.32	34	771,640.88
55			28-Jul-20	25-Aug-20	3,772.39	28	105,626.92
56			29-Jul-20	26-Aug-20	60,245.00	28	1,686,860.00
57			9-Jul-20	7-Aug-20	31,577.00	29	915,733.00
58			7-Jul-20	7-Aug-20	77,330.00	31	2,397,230.00
59			7-Jul-20	7-Aug-20	311,355.00	31	9,652,005.00
60			16-Jul-20	10-Aug-20	4,655.00	25	116,375.00
61			7-Jul-20	14-Jul-20	2,819.99	7	19,739.93
62			28-Jul-20	4-Aug-20	11,990.72	7	83,935.04
63			21-Jul-20	29-Jul-20	13,733.23	8	109,865.84
64			7-Jul-20	14-Jul-20	14,522.05	7	101,654.35
65			8-Jul-20	15-Jul-20	15,964.34	7	111,750.38
66			14-Jul-20	21-Jul-20	16,516.35	7	115,614.45
67			8-Jul-20	15-Jul-20	53,015.37	7	371,107.59
68			8-Jul-20	15-Jul-20	85,343.90	7	597,407.30
69			14-Jul-20	21-Jul-20	140,492.21	7	983,445.47
70			21-Jul-20	29-Jul-20	326,638.82	8	2,613,110.56
71			7-Jul-20	14-Jul-20	544,572.77	7	3,812,009.39
72			28-Jul-20	4-Aug-20	559,763.08	7	3,918,341.56
73			8-Jul-20	15-Jul-20	1,199,985.50	7	8,399,898.50
74			22-Jul-20	7-Aug-20	4,162.34	16	66,597.44

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**Otter Tail Power Company
A/P Sample
July 2020**

Checks written between 7/01/20 and 7/31/20 for more than \$2,500
(A) (B) (C) (D) (E) (F) (G)

Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
1			10-Jul-20	16-Jul-20	40,369.40	6	242,216.40
2			14-Jul-20	14-Aug-20	113,104.00	31	3,506,224.00
3			29-Jul-20	3-Aug-20	114,549.20	5	572,746.00
4			21-Jul-20	10-Aug-20	2,657.38	20	53,147.60
5			15-Jul-20	21-Jul-20	33,420.00	6	200,520.00
6			8-Jul-20	14-Jul-20	34,110.00	6	204,660.00
7			10-Jul-20	14-Jul-20	35,729.13	4	142,916.52
8			15-Jul-20	21-Jul-20	35,729.13	6	214,374.78
9			8-Jul-20	14-Jul-20	36,888.98	6	221,333.88
10			15-Jul-20	24-Jul-20	9,414.00	9	84,726.00
11			31-Jul-20	25-Aug-20	3,613.50	25	90,337.50
12			8-Jul-20	10-Jul-20	19,264.00	2	38,528.00
13			31-Jul-20	3-Aug-20	22,201.00	3	66,603.00
14			31-Jul-20	19-Aug-20	46,558.41	19	884,609.79
15			18-Jul-20	31-Jul-20	6,835.08	13	88,856.04
16			29-Jul-20	31-Aug-20	14,811.30	33	488,772.90
17			30-Jul-20	10-Aug-20	12,567.46	11	138,242.06
18			9-Jul-20	19-Aug-20	25,801.89	41	1,057,877.49
19			8-Jul-20	5-Aug-20	13,950.00	28	390,600.00
20			20-Jul-20	5-Aug-20	13,950.00	16	223,200.00
21			29-Jul-20	26-Aug-20	3,148.78	28	88,165.84
22			7-Jul-20	7-Aug-20	142,450.00	31	4,415,950.00
23			15-Jul-20	12-Aug-20	6,244.16	28	174,836.48
24			28-Jul-20	31-Aug-20	6,244.16	34	212,301.44
25			27-Jul-20	24-Aug-20	6,995.04	28	195,861.12
26			21-Jul-20	12-Aug-20	7,745.14	22	170,393.08
27			29-Jul-20	24-Aug-20	9,307.87	26	242,004.62
28			7-Jul-20	7-Aug-20	61,050.00	31	1,892,550.00
29			15-Jul-20	17-Aug-20	95,550.00	33	3,153,150.00
30			16-Jul-20	28-Jul-20	207,625.44	12	2,491,505.28
31			15-Jul-20	17-Aug-20	224,449.97	33	7,406,849.01
32			13-Jul-20	23-Jul-20	12,289.40	10	122,894.00
33			9-Jul-20	13-Jul-20	5,000.00	4	20,000.00
34			21-Jul-20	24-Jul-20	5,000.00	3	15,000.00
35			1-Jul-20	20-Jul-20	9,052.50	19	171,997.50
36			7-Jul-20	13-Jul-20	36,555.99	6	219,335.94
37			7-Jul-20	13-Jul-20	67,617.30	6	405,703.80
38			7-Jul-20	13-Jul-20	69,025.43	6	414,152.58
39			8-Jul-20	22-Jul-20	2,640.32	14	36,964.48
40			1-Jul-20	17-Jul-20	17,289.31	16	276,628.96
41			1-Jul-20	7-Jul-20	11,876.00	6	71,256.00
42			21-Jul-20	7-Aug-20	7,278.90	17	123,741.30
43			25-Jul-20	20-Aug-20	23,202.87	26	603,274.62
44			29-Jul-20	14-Aug-20	128,832.82	16	2,061,325.12
45			31-Jul-20	25-Aug-20	3,170.10	25	79,252.50
46			14-Jul-20	17-Jul-20	4,154.50	3	12,463.50
47			1-Jul-20	1-Jul-20	5,710.50	0	-
48			30-Jul-20	4-Aug-20	5,710.50	5	28,552.50
49			20-Jul-20	22-Jul-20	154,373.73	2	308,747.46
50			24-Jul-20	24-Jul-20	61,938.64	0	-
51			14-Jul-20	20-Jul-20	281,027.87	6	1,686,167.22
52			9-Jul-20	10-Jul-20	555,892.50	1	555,892.50
53			18-Jul-20	7-Aug-20	5,562.00	20	111,240.00
54			18-Jul-20	7-Aug-20	7,537.50	20	150,750.00
55			8-Jul-20	10-Jul-20	3,167.16	2	6,334.32
56			30-Jul-20	19-Aug-20	7,511.63	20	150,232.60
57			22-Jul-20	19-Aug-20	2,776.92	28	77,753.76
58			8-Jul-20	28-Jul-20	2,896.00	20	57,920.00
59			23-Jul-20	19-Aug-20	5,529.45	27	149,295.15
60			29-Jul-20	18-Aug-20	4,981.00	20	99,620.00
61			31-Jul-20	31-Aug-20	11,188.69	31	346,849.39
62			27-Jul-20	27-Aug-20	16,410.00	31	508,710.00
63			14-Jul-20	30-Jul-20	3,052.00	16	48,832.00
64			16-Jul-20	17-Jul-20	5,000.00	1	5,000.00
65			31-Jul-20	9-Sep-20	6,155.58	40	246,223.20
66			2-Jul-20	13-Jul-20	10,368.65	11	114,055.15
67			28-Jul-20	7-Aug-20	10,700.25	10	107,002.50
68			16-Jul-20	23-Jul-20	82,850.00	7	579,950.00
69			31-Jul-20	14-Aug-20	2,518.75	14	35,262.50
70			31-Jul-20	26-Aug-20	12,085.00	26	314,210.00
71			14-Jul-20	17-Jul-20	24,989.89	3	74,969.67
72			20-Jul-20	20-Jul-20	26,869.31	0	-
73			27-Jul-20	28-Jul-20	30,650.01	1	30,650.01
74			14-Jul-20	17-Jul-20	30,937.63	3	92,812.89

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**Otter Tail Power Company
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July 2020**

Checks written between 7/01/20 and 7/31/20 for more than \$2,500

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
1			7-Jul-20	4-Aug-20	49,000.70	28	1,372,019.60
2			2-Jul-20	6-Jul-20	9,211.73	4	36,846.92
3			23-Jul-20	25-Aug-20	874,406.16	33	28,855,403.28
4			14-Jul-20	14-Jul-20	4,672.36	0	-
5			30-Jul-20	30-Jul-20	15,501.19	0	-
6			14-Jul-20	14-Jul-20	60,570.20	0	-
7			30-Jul-20	30-Jul-20	147,626.65	0	-
8			14-Jul-20	14-Jul-20	56,083.65	0	-
9			30-Jul-20	30-Jul-20	144,798.65	0	-
10			10-Jul-20	15-Jul-20	1,125,095.14	5	5,625,475.70
11			29-Jul-20	31-Jul-20	2,368,544.19	2	4,737,088.38
12			9-Jul-20	22-Jul-20	3,239.50	13	42,113.50
13			31-Jul-20	11-Aug-20	3,530.50	11	38,835.50
14			31-Jul-20	12-Aug-20	6,747.52	12	80,970.24
15			15-Jul-20	23-Jul-20	128,878.50	8	1,031,028.00
16			31-Jul-20	11-Aug-20	253,199.82	11	2,785,198.02
17			13-Jul-20	15-Jul-20	98,677.50	2	197,355.00
18			4-Jul-20	31-Jul-20	86,482.00	27	2,335,014.00
19			18-Jul-20	6-Nov-20	90,447.50	111	10,039,672.50
20			28-Jul-20	10-Aug-20	2,633.43	13	34,234.59
21			3-Jul-20	29-Jul-20	5,878.17	26	152,832.42
22			2-Jul-20	29-Jul-20	5,926.39	27	160,012.53
23			8-Jul-20	29-Jul-20	6,125.50	21	128,635.50
24			5-Jul-20	29-Jul-20	6,386.82	24	153,283.68
25			1-Jul-20	29-Jul-20	6,621.69	28	185,407.32
26			11-Jul-20	29-Jul-20	6,704.13	18	120,674.34
27			25-Jul-20	10-Aug-20	7,027.68	16	112,442.88
28			9-Jul-20	29-Jul-20	7,030.78	20	140,615.60
29			31-Jul-20	25-Aug-20	7,058.79	25	176,469.75
30			15-Jul-20	10-Aug-20	7,152.12	26	185,955.12
31			28-Jul-20	25-Aug-20	7,177.00	28	200,956.00
32			21-Jul-20	10-Aug-20	7,222.10	20	144,442.00
33			14-Jul-20	10-Aug-20	7,234.55	27	195,332.85
34			20-Jul-20	10-Aug-20	7,260.99	21	152,480.79
35			13-Jul-20	10-Aug-20	7,271.88	28	203,612.64
36			17-Jul-20	10-Aug-20	7,282.77	24	174,786.48
37			21-Jul-20	10-Aug-20	7,354.32	20	147,086.40
38			10-Jul-20	29-Jul-20	7,435.21	19	141,268.99
39			26-Jul-20	10-Aug-20	7,446.10	15	111,691.50
40			18-Jul-20	10-Aug-20	7,461.66	23	171,618.18
41			6-Jul-20	29-Jul-20	7,484.98	23	172,154.54
42			10-Jul-20	29-Jul-20	7,508.31	19	142,657.89
43			23-Jul-20	10-Aug-20	7,509.87	18	135,177.66
44			30-Jul-20	25-Aug-20	7,540.98	26	196,065.48
45			11-Jul-20	29-Jul-20	7,545.64	18	135,821.52
46			20-Jul-20	10-Aug-20	7,579.87	21	159,177.27
47			28-Jul-20	10-Aug-20	7,670.08	13	99,711.04
48			25-Jul-20	10-Aug-20	7,741.64	16	123,866.24
49			11-Jul-20	29-Jul-20	7,912.74	18	142,429.32
50			8-Jul-20	29-Jul-20	8,090.07	21	169,891.47
51			25-Jul-20	28-Jul-20	4,509.49	3	13,528.47
52			15-Jul-20	17-Aug-20	323,499.99	33	10,675,499.67
53			27-Jul-20	27-Aug-20	5,470.00	31	169,570.00
54			27-Jul-20	27-Aug-20	5,470.00	31	169,570.00
55			22-Jul-20	2-Sep-20	163,425.91	42	6,863,888.22
56			14-Jul-20	15-Jul-20	5,381.94	1	5,381.94
57			7-Jul-20	17-Jul-20	29,714.91	10	297,149.10
58			16-Jul-20	27-Jul-20	3,995.85	11	43,954.35
59			31-Jul-20	26-Aug-20	5,643.79	26	146,738.54
60			31-Jul-20	26-Aug-20	9,138.52	26	237,601.52
61			30-Jul-20	26-Aug-20	134,048.66	27	3,619,313.82
62			31-Jul-20	2-Oct-20	273,169.09	63	17,209,652.67
63			2-Jul-20	31-Jul-20	7,206.37	29	208,984.73
64			9-Jul-20	5-Aug-20	5,277.36	27	142,488.72
65			20-Jul-20	5-Aug-20	8,344.27	16	133,508.32
66			6-Jul-20	6-Jul-20	15,481.02	0	-
67			15-Jul-20	17-Aug-20	796,250.00	33	26,276,250.00
68			7-Jul-20	7-Aug-20	26,455.00	31	820,105.00
69			6-Jul-20	8-Jul-20	2,960.50	2	5,921.00
70			8-Jul-20	30-Jul-20	14,677.22	22	322,898.84
71			31-Jul-20	25-Aug-20	4,288.01	25	107,200.25
72			8-Jul-20	9-Jul-20	2,900.00	1	2,900.00
73			30-Jul-20	26-Aug-20	848,022.70	27	22,896,612.90
74			19-Jul-20	14-Aug-20	4,416.60	26	114,831.60

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**Otter Tail Power Company
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July 2020**

Checks written between 7/01/20 and 7/31/20 for more than \$2,500

(A) (B) (C) (D) (E) (F) (G)

Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
1			6-Jul-20	8-Jul-20	2,960.50	2	5,921.00
2			2-Jul-20	6-Jul-20	2,808.00	4	11,232.00
3			6-Jul-20	29-Jul-20	4,124.00	23	94,852.00
4			30-Jul-20	4-Aug-20	8,443.64	5	42,218.20
5			1-Jul-20	15-Jul-20	11,741.31	14	164,378.34
6			22-Jul-20	11-Aug-20	5,000.00	20	100,000.00
7			15-Jul-20	11-Aug-20	7,200.00	27	194,400.00
8			14-Jul-20	11-Aug-20	8,000.00	28	224,000.00
9			9-Jul-20	19-Aug-20	3,672.00	41	150,552.00
10			31-Jul-20	26-Aug-20	495,183.15	26	12,874,761.90
11			15-Jul-20	14-Aug-20	36,167.97	30	1,085,039.10
12			15-Jul-20	14-Aug-20	131,838.25	30	3,955,147.50
13			13-Jul-20	5-Aug-20	7,095.25	23	163,190.75
14			13-Jul-20	5-Aug-20	19,938.75	23	458,591.25
15			9-Jul-20	5-Aug-20	20,542.75	27	554,654.25
16			20-Jul-20	14-Aug-20	14,832.55	25	370,813.75
17			10-Jul-20	14-Jul-20	6,500.00	4	26,000.00
18			22-Jul-20	19-Aug-20	3,116.40	28	87,259.20
19			27-Jul-20	24-Aug-20	29,528.57	28	826,799.96
20			29-Jul-20	26-Aug-20	32,039.70	28	897,111.60
21			29-Jul-20	13-Aug-20	18,959.97	15	284,399.55
22			14-Jul-20	11-Aug-20	25,303.00	28	708,484.00
23			9-Jul-20	9-Jul-20	2,781.60	0	-
24			2-Jul-20	2-Jul-20	2,992.80	0	-
25			23-Jul-20	23-Jul-20	5,025.60	0	-
26			29-Jul-20	29-Jul-20	23,959.20	0	-
27			2-Jul-20	2-Jul-20	4,500.00	0	-
28			29-Jul-20	29-Jul-20	2,730.00	0	-
29			2-Jul-20	2-Jul-20	3,513.60	0	-
30			2-Jul-20	2-Jul-20	3,696.00	0	-
31			2-Jul-20	2-Jul-20	4,500.00	0	-
32			2-Jul-20	2-Jul-20	4,500.00	0	-
33			16-Jul-20	16-Jul-20	2,700.00	0	-
34			23-Jul-20	23-Jul-20	3,600.00	0	-
35			23-Jul-20	23-Jul-20	21,519.00	0	-
36			23-Jul-20	23-Jul-20	2,700.00	0	-
37			29-Jul-20	29-Jul-20	2,824.50	0	-
38			29-Jul-20	29-Jul-20	3,528.00	0	-
39			23-Jul-20	23-Jul-20	2,700.00	0	-
40			16-Jul-20	16-Jul-20	3,950.00	0	-
41			9-Jul-20	9-Jul-20	4,000.00	0	-
42			29-Jul-20	29-Jul-20	4,307.06	0	-
43			2-Jul-20	2-Jul-20	4,491.75	0	-
44			16-Jul-20	16-Jul-20	2,700.00	0	-
45			23-Jul-20	23-Jul-20	2,790.80	0	-
46			23-Jul-20	23-Jul-20	27,507.66	0	-
47			2-Jul-20	2-Jul-20	4,550.40	0	-
48			9-Jul-20	9-Jul-20	2,700.00	0	-
49			16-Jul-20	16-Jul-20	2,700.00	0	-
50			30-Jul-20	30-Jul-20	7,387.32	0	-
51			2-Jul-20	2-Jul-20	2,886.00	0	-
52			16-Jul-20	16-Jul-20	3,570.80	0	-
53			23-Jul-20	23-Jul-20	5,411.16	0	-
54			16-Jul-20	16-Jul-20	6,748.20	0	-
55			2-Jul-20	2-Jul-20	2,700.00	0	-
56			23-Jul-20	23-Jul-20	2,700.00	0	-
57			9-Jul-20	9-Jul-20	2,700.00	0	-
58			23-Jul-20	23-Jul-20	2,700.00	0	-
59			2-Jul-20	2-Jul-20	4,500.00	0	-
60			23-Jul-20	23-Jul-20	4,500.00	0	-
61			2-Jul-20	2-Jul-20	6,256.80	0	-
62			23-Jul-20	27-Jul-20	3,000.00	4	12,000.00
63			1-Jul-20	9-Jul-20	10,189.58	8	81,516.64
64			14-Jul-20	20-Jul-20	194,026.80	6	1,164,160.80
65			1-Jul-20	7-Aug-20	3,400.00	37	125,800.00
66			31-Jul-20	18-Aug-20	212,986.96	18	3,833,765.28
67			24-Jul-20	17-Aug-20	6,905.83	24	165,739.92
68			24-Jul-20	17-Aug-20	8,038.04	24	192,912.96
69			9-Jul-20	11-Aug-20	9,016.02	33	297,528.66
70			23-Jul-20	17-Aug-20	15,900.55	25	397,513.75
71			20-Jul-20	17-Aug-20	17,693.70	28	495,423.60
72			16-Jul-20	11-Aug-20	18,387.65	26	478,078.90
73			28-Jul-20	25-Aug-20	19,035.67	28	532,998.76
74			9-Jul-20	6-Aug-20	27,286.75	28	764,029.00
1			24-Jul-20	17-Aug-20	39,978.35	24	959,480.40
2			28-Jul-20	25-Aug-20	40,368.62	28	1,130,321.36
3			24-Jul-20	17-Aug-20	49,499.31	24	1,187,983.44
4			23-Jul-20	17-Aug-20	71,948.77	25	1,798,719.25

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**Otter Tail Power Company
A/P Sample
July 2020**

Checks written between 7/01/20 and 7/31/20 for more than \$2,500

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
5			2-Jul-20	29-Jul-20	3,206.44	27	86,573.88
6			15-Jul-20	27-Jul-20	7,229.00	12	86,748.00
7			30-Jul-20	26-Aug-20	1,084,159.13	27	29,272,296.51
8			16-Jul-20	30-Jul-20	13,860.00	14	194,040.00
9			20-Jul-20	14-Aug-20	26,381.25	25	659,531.25
10			20-Jul-20	14-Aug-20	31,290.00	25	782,250.00
11			23-Jul-20	5-Aug-20	3,420.00	13	44,460.00
12			29-Jul-20	5-Aug-20	4,275.00	7	29,925.00
13			30-Jul-20	26-Aug-20	167,320.37	27	4,517,649.99
14			9-Jul-20	28-Jul-20	3,082.60	19	58,569.40
15			13-Jul-20	2-Dec-20	3,538.52	142	502,469.84
16			15-Jul-20	17-Aug-20	738,000.00	33	24,354,000.00
17			27-Jul-20	27-Aug-20	1,404,000.00	31	43,524,000.00
18			31-Jul-20	7-Oct-20	17,574.00	68	1,195,032.00
19			10-Jul-20	27-Jul-20	36,640.00	17	622,880.00
20			23-Jul-20	17-Dec-20	3,011.60	147	442,705.20
21			23-Jul-20	21-Aug-20	5,021.51	29	145,623.79
22			28-Jul-20	19-Aug-20	5,364.94	22	118,028.68
23			21-Jul-20	18-Aug-20	5,340.50	28	149,534.00
24			28-Jul-20	18-Aug-20	7,272.78	21	152,728.38
25			22-Jul-20	19-Aug-20	8,333.92	28	233,349.76
26			24-Jul-20	19-Aug-20	8,372.44	26	217,683.44
27			28-Jul-20	19-Aug-20	8,604.14	22	189,291.08
28			15-Jul-20	28-Jul-20	8,869.89	13	115,308.57
29			28-Jul-20	19-Aug-20	8,876.71	22	195,287.62
30			22-Jul-20	19-Aug-20	9,029.78	28	252,833.84
31			24-Jul-20	19-Aug-20	9,588.64	26	249,304.64
32			28-Jul-20	24-Sep-20	11,648.33	58	675,603.14
33			24-Jul-20	19-Aug-20	16,417.53	26	426,855.78
34			17-Jul-20	20-Jul-20	2,500.00	3	7,500.00
35			15-Jul-20	17-Aug-20	318,500.00	33	10,510,500.00
36			7-Jul-20	7-Aug-20	407,000.00	31	12,617,000.00
37			24-Jul-20	4-Aug-20	13,941.29	11	153,354.19
38			7-Jul-20	8-Jul-20	2,932.00	1	2,932.00
39			24-Jul-20	4-Aug-20	3,750.00	11	41,250.00
40			29-Jul-20	26-Aug-20	6,594.10	28	184,634.80
41			10-Jul-20	29-Jul-20	57,200.00	19	1,086,800.00
42			30-Jul-20	23-Sep-20	7,777.35	55	427,754.25
43			2-Jul-20	29-Jul-20	9,968.40	27	269,146.80
44			15-Jul-20	28-Jul-20	2,873.28	13	37,352.64
45			7-Jul-20	7-Aug-20	154,660.00	31	4,794,460.00
46			7-Jul-20	4-Aug-20	2,906.30	28	81,376.40
47			7-Jul-20	7-Aug-20	122,100.00	31	3,785,100.00
48			22-Jul-20	10-Aug-20	2,933.01	19	55,727.19
49			16-Jul-20	4-Aug-20	9,343.62	19	177,528.78
50			28-Jul-20	27-Aug-20	11,348.07	30	340,442.10
51			1-Jul-20	10-Jul-20	26,749.75	9	240,747.75
52			22-Jul-20	21-Aug-20	10,000.00	30	300,000.00
53			9-Jul-20	27-Oct-20	2,550.24	110	280,526.40
54			13-Jul-20	27-Oct-20	2,558.73	106	271,225.38
55			23-Jul-20	27-Oct-20	2,592.21	96	248,852.16
56			8-Jul-20	27-Oct-20	4,235.59	111	470,150.49
57			23-Jul-20	27-Oct-20	4,705.39	96	451,717.44
58			30-Jul-20	28-Aug-20	3,627.89	29	105,208.81
59			31-Jul-20	20-Aug-20	3,112.00	20	62,240.00
60			13-Jul-20	14-Jul-20	15,320.00	1	15,320.00
61			30-Jul-20	21-Sep-20	2,963.28	53	157,053.84
62			31-Jul-20	31-Aug-20	3,950.00	31	122,450.00
63			8-Jul-20	5-Aug-20	33,712.00	28	943,936.00
64			20-Jul-20	17-Aug-20	70,612.00	28	1,977,136.00
65			15-Jul-20	17-Jul-20	256,207.06	2	512,414.12
66			1-Jul-20	1-Jul-20	553,330.52	0	-
67			14-Jul-20	27-Jul-20	52,836.88	13	686,879.44
68			9-Jul-20	5-Aug-20	171,910.00	27	4,641,570.00
69			15-Jul-20	27-Aug-20	2,688.78	43	115,617.54
70			24-Jul-20	19-Aug-20	5,698.00	26	148,148.00
71			2-Jul-20	8-Jul-20	7,038.75	6	42,232.50
72			2-Jul-20	31-Jul-20	12,343.75	29	357,968.75
73			13-Jul-20	13-Jul-20	31,547.13	0	-
74			21-Jul-20	21-Jul-20	32,692.60	0	-
1			2-Jul-20	2-Jul-20	36,447.08	0	-
2			31-Jul-20	26-Aug-20	163,913.40	26	4,261,748.40
3			8-Jul-20	24-Jul-20	2,724.86	16	43,597.76
4			8-Jul-20	24-Jul-20	6,215.91	16	99,454.56

**Otter Tail Power Company
A/P Sample
July 2020**

Checks written between 7/01/20 and 7/31/20 for more than \$2,500
(A) (B) (C) (D) (E) (F) (G)

Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
5			9-Jul-20	24-Jul-20	9,074.49	15	136,117.35
6			30-Jul-20	18-Sep-20	4,920.00	50	246,000.00
7			29-Jul-20	10-Aug-20	9,739.40	12	116,872.80

**Otter Tail Power Company
A/P Sample
July 2020**

Checks written between 7/01/20 and 7/31/20 for more than \$2,500

(A) (B) (C) (D) (E) (F) (G)

Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
8							
9							
10							
			Invoice Total		52,127,447.92		638,072,780.00
			Average Lag Days			12.24	

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Lead Lag Study**

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**Otter Tail Power Company
A/P Sample
October 2020**

Checks written between 10/01/20 and 10/31/20 for more than \$2,500

(A) (B) (C) (D) (E) (F) (G)

Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
1			5-Oct-20	6-Oct-20	12,375.55	1	12,375.55
2			5-Oct-20	8-Oct-20	12,723.46	3	38,170.38
3			1-Oct-20	7-Oct-20	19,993.79	6	119,962.74
4			14-Oct-20	4-Nov-20	18,035.78	21	378,751.38
5			26-Oct-20	23-Nov-20	3,767.36	28	105,486.08
6			30-Oct-20	23-Nov-20	13,018.40	24	312,441.60
7			28-Oct-20	23-Nov-20	18,933.50	26	492,271.00
8			31-Oct-20	5-Nov-20	6,101.41	5	30,507.05
9			9-Oct-20	4-Nov-20	13,105.00	26	340,730.00
10			19-Oct-20	9-Nov-20	20,805.11	21	436,907.31
11			13-Oct-20	9-Nov-20	20,841.12	27	562,710.24
12			23-Oct-20	9-Nov-20	20,841.12	17	354,299.04
13			23-Oct-20	18-Nov-20	3,913.60	26	101,753.60
14			23-Oct-20	26-Oct-20	4,295.98	3	12,887.94
15			1-Oct-20	16-Oct-20	6,000.00	15	90,000.00
16			28-Oct-20	10-Dec-20	140,131.21	43	6,025,642.03
17			28-Oct-20	18-Nov-20	9,497.59	21	199,449.39
18			28-Oct-20	18-Nov-20	9,866.48	21	207,196.08
19			23-Oct-20	18-Nov-20	9,955.87	26	258,852.62
20			28-Oct-20	24-Nov-20	2,707.80	27	73,110.60
21			12-Oct-20	6-Nov-20	6,681.45	25	167,036.25
22			30-Oct-20	24-Nov-20	78,304.16	25	1,957,604.00
23			31-Oct-20	25-Nov-20	26,442.57	25	661,064.25
24			29-Oct-20	24-Nov-20	11,014.98	26	286,389.48
25			6-Oct-20	5-Nov-20	7,500.00	30	225,000.00
26			14-Oct-20	14-Oct-20	6,060.61	0	-
27			3-Oct-20	6-Oct-20	2,789.64	3	8,368.92
28			16-Oct-20	23-Oct-20	4,320.00	7	30,240.00
29			9-Oct-20	4-Nov-20	6,524.41	26	169,634.66
30			14-Oct-20	19-Oct-20	3,050.96	5	15,254.80
31			19-Oct-20	26-Oct-20	3,281.00	7	22,967.00
32			26-Oct-20	3-Nov-20	3,324.00	8	26,592.00
33			26-Oct-20	3-Nov-20	3,335.00	8	26,680.00
34			31-Oct-20	5-Nov-20	3,373.50	5	16,867.50
35			26-Oct-20	3-Nov-20	5,236.00	8	41,888.00
36			31-Oct-20	5-Nov-20	6,176.10	5	30,880.50
37			26-Oct-20	3-Nov-20	10,027.10	8	80,216.80
38			26-Oct-20	3-Nov-20	13,002.28	8	104,018.24
39			19-Oct-20	8-Jan-21	37,083.70	81	3,003,779.70
40			8-Oct-20	23-Oct-20	559,433.71	15	8,391,505.65
41			7-Oct-20	4-Dec-20	2,580.00	58	149,640.00
42			26-Oct-20	16-Nov-20	2,648.00	21	55,608.00
43			22-Oct-20	16-Nov-20	26,478.00	25	661,950.00
44			5-Oct-20	28-Oct-20	15,000.00	23	345,000.00
45			13-Oct-20	16-Oct-20	352,290.00	3	1,056,870.00
46			23-Oct-20	18-Nov-20	2,500.00	26	65,000.00
47			30-Oct-20	12-Nov-20	425,461.10	13	5,530,994.30
48			2-Oct-20	16-Nov-20	3,400.00	45	153,000.00
49			31-Oct-20	25-Nov-20	20,000.00	25	500,000.00
50			31-Oct-20	25-Nov-20	22,893.57	25	572,339.25
51			16-Oct-20	21-Oct-20	3,793.25	5	18,966.25
52			16-Oct-20	23-Oct-20	6,186.00	7	43,302.00
53			16-Oct-20	4-Nov-20	10,620.30	19	201,785.70
54			9-Oct-20	4-Nov-20	23,314.55	26	606,178.30
55			8-Oct-20	4-Nov-20	25,230.92	27	681,234.84
56			23-Oct-20	23-Nov-20	5,134.00	31	159,154.00
57			31-Oct-20	24-Nov-20	11,111.46	24	266,675.04
58			31-Oct-20	24-Nov-20	33,755.99	24	810,143.76
59			31-Oct-20	24-Nov-20	48,488.58	24	1,163,725.92
60			16-Oct-20	26-Oct-20	119,917.07	10	1,199,170.70
61			31-Oct-20	24-Nov-20	219,260.56	24	5,262,253.44
62			23-Oct-20	26-Oct-20	4,000.00	3	12,000.00
63			30-Oct-20	2-Nov-20	8,068.16	3	24,204.48
64			20-Oct-20	17-Nov-20	2,984.00	28	83,552.00
65			20-Oct-20	17-Nov-20	7,880.00	28	220,640.00
66			26-Oct-20	18-Nov-20	9,221.50	23	212,094.50
67			23-Oct-20	18-Nov-20	12,160.00	26	316,160.00
68			20-Oct-20	17-Nov-20	17,882.00	28	500,696.00
69			1-Oct-20	28-Oct-20	16,708.43	27	451,127.61
70			14-Oct-20	28-Oct-20	17,942.28	14	251,191.92
71			23-Oct-20	26-Oct-20	139,881.81	3	419,645.43
72			16-Oct-20	22-Oct-20	360,028.73	6	2,160,172.38
73			9-Oct-20	13-Oct-20	362,493.28	4	1,449,973.12
74			2-Oct-20	5-Oct-20	526,267.44	3	1,578,802.32

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Lead Lag Study**

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**Otter Tail Power Company
A/P Sample
October 2020**

Checks written between 10/01/20 and 10/31/20 for more than \$2,500

(A) (B) (C) (D) (E) (F) (G)

Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
1			1-Oct-20	28-Oct-20	188,326.84	27	5,084,824.68
2			27-Oct-20	6-Nov-20	237,800.00	10	2,378,000.00
3			21-Oct-20	3-Nov-20	239,850.00	13	3,118,050.00
4			7-Oct-20	2-Nov-20	4,043.09	26	105,120.34
5			2-Oct-20	26-Oct-20	4,939.25	24	118,542.00
6			23-Oct-20	23-Nov-20	20,408.20	31	632,654.20
7			13-Oct-20	26-Oct-20	7,153.75	13	92,998.75
8			31-Oct-20	18-Nov-20	3,303.93	18	59,470.74
9			27-Oct-20	25-Nov-20	2,524.97	29	73,224.13
10			28-Oct-20	25-Nov-20	2,551.19	28	71,433.32
11			28-Oct-20	25-Nov-20	2,602.29	28	72,864.12
12			5-Oct-20	25-Nov-20	2,681.28	51	136,745.28
13			15-Oct-20	25-Nov-20	2,686.25	41	110,136.25
14			6-Oct-20	25-Nov-20	2,864.87	50	143,243.50
15			12-Oct-20	25-Nov-20	2,935.17	44	129,147.48
16			12-Oct-20	25-Nov-20	2,977.72	44	131,019.68
17			20-Oct-20	25-Nov-20	3,059.68	36	110,148.48
18			13-Oct-20	25-Nov-20	3,117.71	43	134,061.53
19			13-Oct-20	25-Nov-20	3,220.64	43	138,487.52
20			13-Oct-20	25-Nov-20	3,223.87	43	138,626.41
21			20-Oct-20	25-Nov-20	3,298.82	36	118,757.52
22			15-Oct-20	25-Nov-20	3,343.44	41	137,081.04
23			26-Oct-20	25-Nov-20	3,403.43	30	102,102.90
24			29-Oct-20	25-Nov-20	3,465.06	27	93,556.62
25			12-Oct-20	25-Nov-20	3,541.30	44	155,817.20
26			19-Oct-20	25-Nov-20	3,613.29	37	133,691.73
27			27-Oct-20	25-Nov-20	3,667.06	29	106,344.74
28			20-Oct-20	25-Nov-20	3,746.70	36	134,881.20
29			19-Oct-20	25-Nov-20	3,787.47	37	140,136.39
30			1-Oct-20	25-Nov-20	3,916.88	55	215,428.40
31			9-Oct-20	25-Nov-20	4,519.46	47	212,414.62
32			5-Oct-20	25-Nov-20	4,552.61	51	232,183.11
33			15-Oct-20	25-Nov-20	4,645.87	41	190,480.67
34			14-Oct-20	25-Nov-20	4,873.32	42	204,679.44
35			20-Oct-20	25-Nov-20	4,887.33	36	175,943.88
36			7-Oct-20	25-Nov-20	5,072.76	49	248,565.24
37			12-Oct-20	25-Nov-20	5,205.96	44	229,062.24
38			19-Oct-20	25-Nov-20	5,448.84	37	201,607.08
39			26-Oct-20	25-Nov-20	5,873.96	30	176,218.80
40			12-Oct-20	31-Dec-20	6,025.23	80	482,018.40
41			26-Oct-20	25-Nov-20	6,103.69	30	183,110.70
42			6-Oct-20	25-Nov-20	6,843.59	50	342,179.50
43			12-Oct-20	25-Nov-20	7,280.24	44	320,330.56
44			12-Oct-20	25-Nov-20	8,117.11	44	357,152.84
45			26-Oct-20	25-Nov-20	8,333.70	30	250,011.00
46			20-Oct-20	25-Nov-20	9,596.53	36	345,475.08
47			28-Oct-20	25-Nov-20	9,893.25	28	277,011.00
48			2-Oct-20	25-Nov-20	10,482.83	54	566,072.82
49			12-Oct-20	25-Nov-20	10,895.45	44	479,399.80
50			27-Oct-20	25-Nov-20	11,153.14	29	323,441.06
51			26-Oct-20	25-Nov-20	14,637.33	30	439,119.90
52			12-Oct-20	25-Nov-20	16,234.22	44	714,305.68
53			29-Oct-20	25-Nov-20	19,072.81	27	514,965.87
54			12-Oct-20	25-Nov-20	20,239.20	44	890,524.80
55			5-Oct-20	25-Nov-20	21,657.85	51	1,104,550.35
56			15-Oct-20	25-Nov-20	27,219.42	41	1,115,996.22
57			12-Oct-20	25-Nov-20	31,776.36	44	1,398,159.84
58			26-Oct-20	25-Nov-20	68,771.31	30	2,063,139.30
59			26-Oct-20	6-Nov-20	3,912.00	11	43,032.00
60			6-Oct-20	22-Oct-20	7,700.00	16	123,200.00
61			25-Oct-20	20-Nov-20	303,045.76	26	7,879,189.76
62			27-Oct-20	2-Nov-20	9,630.80	6	57,784.80
63			28-Oct-20	24-Nov-20	66,353.28	27	1,791,538.56
64			2-Oct-20	13-Oct-20	3,900.80	11	42,908.80
65			14-Oct-20	19-Oct-20	5,374.08	5	26,870.40
66			27-Oct-20	24-Nov-20	601,083.00	28	16,830,324.00
67			20-Oct-20	21-Oct-20	4,040.40	1	4,040.40
68			30-Oct-20	30-Nov-20	2,632.88	31	81,619.28
69			30-Oct-20	30-Nov-20	4,572.17	31	141,737.27
70			28-Oct-20	18-Nov-20	4,950.00	21	103,950.00
71			30-Oct-20	30-Nov-20	5,229.29	31	162,107.99
72			28-Oct-20	18-Nov-20	18,163.41	21	381,431.61
73			31-Oct-20	10-Nov-20	176,767.34	10	1,767,673.40
74			2-Oct-20	28-Oct-20	11,916.87	26	309,838.62

**Case No. PU-23-
Lead Lag Study**

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**Otter Tail Power Company
A/P Sample
October 2020**

Checks written between 10/01/20 and 10/31/20 for more than \$2,500

(A) (B) (C) (D) (E) (F) (G)

Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
1			27-Oct-20	20-Nov-20	2,803.68	24	67,288.32
2			27-Oct-20	20-Nov-20	3,627.40	24	87,057.60
3			5-Oct-20	2-Nov-20	4,617.89	28	129,300.92
4			27-Oct-20	20-Nov-20	5,795.78	24	139,098.72
5			7-Oct-20	2-Nov-20	5,896.23	26	153,301.98
6			7-Oct-20	2-Nov-20	6,921.66	26	179,963.16
7			27-Oct-20	20-Nov-20	11,463.29	24	275,118.96
8			8-Oct-20	2-Nov-20	11,854.47	25	296,361.75
9			5-Oct-20	2-Nov-20	14,289.19	28	400,097.32
10			29-Oct-20	30-Oct-20	2,008,632.69	1	2,008,632.69
11			28-Oct-20	24-Nov-20	4,558.50	27	123,079.50
12			28-Oct-20	24-Nov-20	4,580.00	27	123,660.00
13			31-Oct-20	30-Nov-20	4,925.00	30	147,750.00
14			7-Oct-20	28-Oct-20	5,148.00	21	108,108.00
15			7-Oct-20	28-Oct-20	6,923.00	21	145,383.00
16			13-Oct-20	14-Oct-20	3,776.00	1	3,776.00
17			9-Oct-20	4-Nov-20	5,507.32	26	143,190.32
18			30-Oct-20	30-Oct-20	3,352.17	0	-
19			22-Oct-20	22-Oct-20	3,366.23	0	-
20			20-Oct-20	20-Oct-20	12,841.00	0	-
21			15-Oct-20	28-Oct-20	5,250.00	13	68,250.00
22			15-Oct-20	28-Oct-20	5,300.00	13	68,900.00
23			15-Oct-20	28-Oct-20	21,750.00	13	282,750.00
24			14-Oct-20	14-Oct-20	13,159.00	0	-
25			8-Oct-20	26-Oct-20	71,378.41	18	1,284,811.38
26			29-Oct-20	30-Oct-20	5,000.00	1	5,000.00
27			8-Oct-20	26-Oct-20	32,442.86	18	583,971.48
28			15-Oct-20	10-Nov-20	18,868.14	26	490,571.64
29			8-Oct-20	26-Oct-20	5,891.89	18	106,054.02
30			8-Oct-20	26-Oct-20	4,804.00	18	86,472.00
31			8-Oct-20	26-Oct-20	21,103.24	18	379,858.32
32			22-Oct-20	20-Nov-20	3,743.17	29	108,551.93
33			20-Oct-20	17-Nov-20	7,922.91	28	221,841.48
34			29-Oct-20	23-Nov-20	2,877.00	25	71,925.00
35			9-Oct-20	4-Nov-20	11,400.00	26	296,400.00
36			20-Oct-20	30-Oct-20	3,613.81	10	36,138.10
37			31-Oct-20	25-Nov-20	3,911.07	25	97,776.75
38			31-Oct-20	30-Nov-20	12,385.54	30	371,566.20
39			31-Oct-20	1-Dec-20	91,001.94	31	2,821,060.14
40			16-Oct-20	26-Oct-20	63,039.50	10	630,395.00
41			14-Oct-20	19-Oct-20	2,899.67	5	14,498.35
42			21-Oct-20	28-Oct-20	3,048.37	7	21,338.59
43			26-Oct-20	28-Oct-20	11,384.08	2	22,768.16
44			26-Oct-20	27-Oct-20	28,682.50	1	28,682.50
45			23-Oct-20	28-Oct-20	4,038.52	5	20,192.60
46			5-Oct-20	2-Nov-20	2,743.62	28	76,821.36
47			16-Oct-20	16-Nov-20	3,206.70	31	99,407.70
48			6-Oct-20	2-Nov-20	3,616.20	27	97,637.40
49			27-Oct-20	23-Nov-20	4,341.44	27	117,218.88
50			19-Oct-20	16-Nov-20	4,507.84	28	126,219.52
51			27-Oct-20	23-Nov-20	6,088.87	27	164,399.49
52			6-Oct-20	2-Nov-20	10,846.50	27	292,855.50
53			5-Oct-20	2-Nov-20	16,499.70	28	461,991.60
54			5-Oct-20	2-Nov-20	18,333.00	28	513,324.00
55			12-Oct-20	2-Dec-20	19,117.16	51	974,975.16
56			16-Oct-20	2-Dec-20	19,117.16	47	898,506.52
57			19-Oct-20	16-Nov-20	27,575.10	28	772,102.80
58			6-Oct-20	2-Nov-20	27,961.50	27	754,960.50
59			6-Oct-20	2-Nov-20	27,961.50	27	754,960.50
60			28-Oct-20	3-Nov-20	3,308.00	6	19,848.00
61			28-Oct-20	3-Nov-20	4,615.00	6	27,690.00
62			28-Oct-20	3-Nov-20	5,660.00	6	33,960.00
63			30-Oct-20	13-Nov-20	6,532.50	14	91,455.00
64			24-Oct-20	16-Nov-20	9,525.34	23	219,082.82
65			28-Oct-20	2-Nov-20	14,735.00	5	73,675.00
66			28-Oct-20	3-Nov-20	15,312.50	6	91,875.00
67			28-Oct-20	3-Nov-20	16,273.50	6	97,641.00
68			28-Oct-20	10-Nov-20	63,997.00	13	831,961.00
69			6-Oct-20	14-Oct-20	329,847.91	8	2,638,783.28
70			6-Oct-20	14-Oct-20	138,090.00	8	1,104,720.00
71			6-Oct-20	14-Oct-20	858,628.44	8	6,869,027.52
72			6-Oct-20	14-Oct-20	3,196,784.83	8	25,574,278.64
73			13-Oct-20	18-Nov-20	7,500.00	36	270,000.00
74			31-Oct-20	4-Nov-20	17,612.00	4	70,448.00

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**Otter Tail Power Company
A/P Sample
October 2020**

Checks written between 10/01/20 and 10/31/20 for more than \$2,500

(A) (B) (C) (D) (E) (F) (G)

Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
1			26-Oct-20	23-Nov-20	224,374.86	28	6,282,496.08
2			1-Oct-20	13-Oct-20	14,424.88	12	173,098.56
3			5-Oct-20	16-Oct-20	8,775.76	11	96,533.36
4			29-Oct-20	5-Nov-20	17,534.98	7	122,744.86
5			29-Oct-20	5-Nov-20	22,290.90	7	156,036.30
6			16-Oct-20	22-Oct-20	38,440.00	6	230,640.00
7			7-Oct-20	4-Nov-20	3,029.86	28	84,836.08
8			26-Oct-20	4-Nov-20	3,062.48	9	27,562.32
9			13-Oct-20	4-Nov-20	9,292.37	22	204,432.14
10			28-Oct-20	31-Dec-20	2,869.00	64	183,616.00
11			28-Oct-20	16-Nov-20	8,987.25	19	170,757.75
12			31-Oct-20	25-Nov-20	30,244.50	25	756,112.50
13			5-Oct-20	10-Nov-20	7,798.07	36	280,730.52
14			6-Oct-20	3-Nov-20	3,645.00	28	102,060.00
15			22-Oct-20	23-Oct-20	10,144.00	1	10,144.00
16			7-Oct-20	16-Nov-20	11,115.00	40	444,600.00
17			15-Oct-20	28-Oct-20	14,546.40	13	189,103.20
18			14-Oct-20	27-Oct-20	255,784.75	13	3,325,201.75
19			5-Oct-20	6-Oct-20	4,948.40	1	4,948.40
20			26-Oct-20	28-Oct-20	13,292.43	2	26,584.86
21			19-Oct-20	20-Oct-20	16,640.33	1	16,640.33
22			9-Oct-20	13-Oct-20	17,736.98	4	70,947.92
23			2-Oct-20	9-Oct-20	339,575.00	7	2,377,025.00
24			1-Oct-20	14-Oct-20	3,032.34	13	39,420.42
25			16-Oct-20	16-Nov-20	2,730.00	31	84,630.00
26			29-Oct-20	3-Nov-20	11,771.47	5	58,857.35
27			2-Oct-20	7-Oct-20	4,580.04	5	22,900.20
28			25-Oct-20	2-Nov-20	2,605.43	8	20,843.44
29			4-Oct-20	3-Nov-20	2,871.22	30	86,136.60
30			20-Oct-20	17-Nov-20	8,014.95	28	224,418.60
31			20-Oct-20	17-Nov-20	22,518.39	28	630,514.92
32			1-Oct-20	28-Oct-20	3,000.00	27	81,000.00
33			23-Oct-20	12-Nov-20	8,682,994.98	20	173,659,899.60
34			20-Oct-20	3-Nov-20	4,300.00	14	60,200.00
35			20-Oct-20	21-Oct-20	9,058.77	1	9,058.77
36			1-Oct-20		8,000.00	-44105	(352,840,000.00)
37			14-Oct-20	13-Nov-20	4,403.07	30	132,092.10
38			14-Oct-20	22-Dec-20	22,086.77	69	1,523,987.13
39			6-Oct-20	3-Nov-20	38,435.10	28	1,076,182.80
40			20-Oct-20	17-Nov-20	153,061.50	28	4,285,722.00
41			15-Oct-20	30-Oct-20	38,337.16	15	575,057.40
42			27-Oct-20	30-Oct-20	3,165.67	3	9,497.01
43			1-Oct-20	28-Oct-20	22,139.00	27	597,753.00
44			28-Oct-20	2-Nov-20	7,000.00	5	35,000.00
45			14-Oct-20	19-Oct-20	4,981.30	5	24,906.50
46			26-Oct-20	25-Nov-20	1,765,018.44	30	52,950,553.20
47			6-Oct-20	20-Oct-20	9,844.51	14	137,823.14
48			22-Oct-20	2-Nov-20	12,038.72	11	132,425.92
49			27-Oct-20	2-Nov-20	12,401.52	6	74,409.12
50			23-Oct-20	2-Nov-20	12,450.99	10	124,509.90
51			22-Oct-20	2-Nov-20	12,452.37	11	136,976.07
52			26-Oct-20	2-Nov-20	12,452.37	7	87,166.59
53			22-Oct-20	2-Nov-20	12,453.75	11	136,991.25
54			26-Oct-20	2-Nov-20	12,455.13	7	87,185.91
55			14-Oct-20	9-Nov-20	2,764.69	26	71,881.94
56			30-Oct-20	5-Jan-21	3,679.15	67	246,503.05
57			21-Oct-20	10-Nov-20	3,133.53	20	62,670.60
58			2-Oct-20	28-Oct-20	36,603.74	26	951,697.24
59			7-Oct-20	13-Oct-20	143,463.15	6	860,778.90
60			30-Oct-20	24-Nov-20	15,180.00	25	379,500.00
61			2-Oct-20	7-Oct-20	24,250.00	5	121,250.00
62			28-Oct-20	17-Nov-20	2,696.88	20	53,937.60
63			26-Oct-20	17-Nov-20	3,923.75	22	86,322.50
64			20-Oct-20	17-Nov-20	6,718.75	28	188,125.00
65			13-Oct-20	20-Oct-20	8,090.63	7	56,634.41
66			6-Oct-20	20-Oct-20	9,708.75	14	135,922.50
67			28-Oct-20	17-Nov-20	9,708.75	20	194,175.00
68			31-Oct-20	25-Nov-20	2,755.35	25	68,883.75
69			30-Oct-20	27-Nov-20	6,728.82	28	188,406.96
70			1-Oct-20	22-Oct-20	2,835.77	21	59,551.17
71			5-Oct-20	6-Oct-20	70,679.96	1	70,679.96
72			29-Oct-20	24-Nov-20	3,070.66	26	79,837.16
73			28-Oct-20	18-Nov-20	3,134.75	21	65,829.75
74			7-Oct-20	28-Oct-20	3,169.00	21	66,549.00

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**Otter Tail Power Company
A/P Sample
October 2020**

Checks written between 10/01/20 and 10/31/20 for more than \$2,500

(A) (B) (C) (D) (E) (F) (G)

Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
1			1-Oct-20	28-Oct-20	5,673.50	27	153,184.50
2			21-Oct-20	18-Nov-20	7,000.00	28	196,000.00
3			22-Oct-20	28-Oct-20	7,000.00	6	42,000.00
4			29-Oct-20	29-Oct-20	14,815.00	0	-
5			1-Oct-20	7-Oct-20	19,212.39	6	115,274.34
6			1-Oct-20	14-Oct-20	230,000.00	13	2,990,000.00
7			2-Oct-20	14-Oct-20	22,545.71	12	270,548.52
8			5-Oct-20	2-Nov-20	2,829.00	28	79,212.00
9			26-Oct-20	23-Nov-20	13,125.00	28	367,500.00
10			14-Oct-20	23-Nov-20	16,387.50	40	655,500.00
11			2-Oct-20	14-Oct-20	14,485.05	12	173,820.60
12			2-Oct-20	14-Oct-20	80,778.00	12	969,336.00
13			26-Oct-20	30-Oct-20	9,118.55	4	36,474.20
14			1-Oct-20	16-Oct-20	3,000.00	15	45,000.00
15			31-Oct-20	10-Nov-20	5,000.00	10	50,000.00
16			30-Oct-20	1-Dec-20	3,567.80	32	114,169.60
17			27-Oct-20	5-Nov-20	3,169.08	9	28,521.72
18			26-Oct-20	4-Nov-20	188,190.74	9	1,693,716.66
19			22-Oct-20	26-Oct-20	3,212.50	4	12,850.00
20			20-Oct-20	16-Nov-20	2,689.47	27	72,615.69
21			29-Oct-20	10-Nov-20	2,610.63	12	31,327.56
22			5-Oct-20	8-Oct-20	30,000.00	3	90,000.00
23			22-Oct-20	26-Oct-20	30,000.00	4	120,000.00
24			1-Oct-20	28-Oct-20	3,695.48	27	99,777.96
25			29-Oct-20	25-Nov-20	5,044.16	27	136,192.32
26			27-Oct-20	25-Nov-20	5,094.41	29	147,737.89
27			1-Oct-20	28-Oct-20	5,133.58	27	138,606.66
28			9-Oct-20	28-Oct-20	6,753.85	19	128,323.15
29			21-Oct-20	30-Oct-20	8,125.47	9	73,129.23
30			9-Oct-20	16-Oct-20	3,815.00	7	26,705.00
31			19-Oct-20	17-Nov-20	13,063.47	29	378,840.63
32			19-Oct-20	17-Nov-20	41,535.36	29	1,204,525.44
33			19-Oct-20	6-Nov-20	3,320.00	18	59,760.00
34			1-Oct-20	9-Oct-20	3,618.13	8	28,945.04
35			29-Oct-20	14-Dec-20	4,475.00	46	205,850.00
36			8-Oct-20	6-Nov-20	3,498.40	29	101,453.60
37			16-Oct-20	10-Nov-20	4,556.64	25	113,916.00
38			6-Oct-20	30-Oct-20	10,480.05	24	251,521.20
39			6-Oct-20	13-Oct-20	4,453.08	7	31,171.56
40			26-Oct-20	20-Nov-20	10,401.93	25	260,048.25
41			29-Oct-20	30-Oct-20	2,505.87	1	2,505.87
42			29-Oct-20	30-Oct-20	20,533.94	1	20,533.94
43			20-Oct-20	30-Nov-20	37,096.24	41	1,520,945.84
44			8-Oct-20	9-Oct-20	15,000.00	1	15,000.00
45			31-Oct-20	14-Dec-20	8,212.50	44	361,350.00
46			7-Oct-20	4-Nov-20	3,133.91	28	87,749.48
47			11-Oct-20	15-Oct-20	25,745.00	4	102,980.00
48			11-Oct-20	15-Oct-20	436,723.45	4	1,746,893.80
49			28-Oct-20	30-Oct-20	978,351.24	2	1,956,702.48
50			28-Oct-20	16-Dec-20	7,659.13	49	375,297.37
51			20-Oct-20	21-Oct-20	4,040.40	1	4,040.40
52			27-Oct-20	27-Nov-20	7,118.73	31	220,680.63
53			19-Oct-20	18-Nov-20	2,907.00	30	87,210.00
54			12-Oct-20	12-Nov-20	3,026.70	31	93,827.70
55			12-Oct-20	12-Nov-20	3,457.94	31	107,196.14
56			27-Oct-20	27-Nov-20	5,651.75	31	175,204.25
57			19-Oct-20	18-Nov-20	5,715.00	30	171,450.00
58			5-Oct-20	4-Nov-20	6,080.00	30	182,400.00
59			5-Oct-20	4-Nov-20	6,080.00	30	182,400.00
60			19-Oct-20	18-Nov-20	6,080.00	30	182,400.00
61			8-Oct-20	6-Nov-20	6,232.00	29	180,728.00
62			27-Oct-20	27-Nov-20	6,799.00	31	210,769.00
63			5-Oct-20	4-Nov-20	7,798.00	30	233,940.00
64			27-Oct-20	27-Nov-20	7,838.75	31	243,001.25
65			26-Oct-20	25-Nov-20	7,877.00	30	236,310.00
66			19-Oct-20	18-Nov-20	8,024.18	30	240,725.40
67			12-Oct-20	12-Nov-20	8,258.00	31	255,998.00
68			26-Oct-20	25-Nov-20	8,813.94	30	264,418.20
69			26-Oct-20	25-Nov-20	10,567.50	30	317,025.00
70			5-Oct-20	4-Nov-20	13,892.50	30	416,775.00
71			26-Oct-20	25-Nov-20	16,913.00	30	507,390.00
72			12-Oct-20	1-Dec-20	19,124.55	50	956,227.50
73			26-Oct-20	25-Nov-20	20,320.50	30	609,615.00
74			19-Oct-20	18-Nov-20	20,910.97	30	627,329.10

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**Otter Tail Power Company
A/P Sample
October 2020**

Checks written between 10/01/20 and 10/31/20 for more than \$2,500

(A) (B) (C) (D) (E) (F) (G)

Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
1			19-Oct-20	18-Nov-20	21,282.00	30	638,460.00
2			26-Oct-20	25-Nov-20	21,348.00	30	640,440.00
3			12-Oct-20	12-Nov-20	22,333.75	31	692,346.25
4			12-Oct-20	12-Nov-20	23,952.00	31	742,512.00
5			5-Oct-20	4-Nov-20	27,356.26	30	820,687.80
6			12-Oct-20	12-Nov-20	35,804.00	31	1,109,924.00
7			19-Oct-20	18-Nov-20	49,817.00	30	1,494,510.00
8			6-Oct-20	7-Oct-20	5,969.71	1	5,969.71
9			27-Oct-20	28-Oct-20	12,121.12	1	12,121.12
10			20-Oct-20	21-Oct-20	4,040.40	1	4,040.40
11			19-Oct-20	16-Nov-20	24,353.65	28	681,902.20
12			30-Oct-20	10-Nov-20	4,532.50	11	49,857.50
13			15-Oct-20	3-Nov-20	22,865.92	19	434,452.48
14			14-Oct-20	10-Nov-20	256,400.79	27	6,922,821.33
15			21-Oct-20	22-Oct-20	7,000.00	1	7,000.00
16			31-Oct-20	25-Nov-20	4,224.00	25	105,600.00
17			1-Oct-20	28-Oct-20	5,676.84	27	153,274.68
18			1-Oct-20	14-Oct-20	7,255.06	13	94,315.78
19			1-Oct-20	9-Oct-20	3,750.00	8	30,000.00
20			8-Oct-20	4-Nov-20	3,217.31	27	86,867.37
21			30-Oct-20	4-Nov-20	26,000.00	5	130,000.00
22			28-Oct-20	13-Nov-20	4,192.05	16	67,072.80
23			9-Oct-20	22-Oct-20	13,740.00	13	178,620.00
24			31-Oct-20	10-Nov-20	3,676.54	10	36,765.40
25			1-Oct-20	9-Oct-20	7,754.36	8	62,034.88
26			5-Oct-20	2-Nov-20	15,271.20	28	427,593.60
27			7-Oct-20	4-Nov-20	29,096.55	28	814,703.40
28			7-Oct-20	4-Nov-20	109,506.60	28	3,066,184.80
29			6-Oct-20	9-Oct-20	258,816.65	3	776,449.95
30			1-Oct-20	19-Oct-20	10,543.06	18	189,775.08
31			20-Oct-20	17-Nov-20	8,505.81	28	238,162.68
32			31-Oct-20	10-Nov-20	70,017.73	10	700,177.30
33			5-Oct-20	30-Oct-20	3,776.50	25	94,412.50
34			26-Oct-20	10-Nov-20	12,261.00	15	183,915.00
35			29-Oct-20	24-Nov-20	14,713.20	26	382,543.20
36			14-Oct-20	10-Nov-20	19,602.00	27	529,254.00
37			30-Oct-20	24-Nov-20	29,000.00	25	725,000.00
38			31-Oct-20	25-Nov-20	27,761.50	25	694,037.50
39			1-Oct-20	21-Oct-20	3,228.68	20	64,573.60
40			9-Oct-20	4-Nov-20	4,929.90	26	128,177.40
41			2-Oct-20	21-Oct-20	14,795.34	19	281,111.46
42			15-Oct-20	19-Oct-20	24,560.88	4	98,243.52
43			22-Oct-20	16-Nov-20	3,838.77	25	95,969.25
44			14-Oct-20	21-Oct-20	4,768.00	7	33,376.00
45			13-Oct-20	27-Nov-20	8,271.82	45	372,231.90
46			19-Oct-20	22-Oct-20	25,175.00	3	75,525.00
47			15-Oct-20	19-Oct-20	10,399.45	4	41,597.80
48			28-Oct-20	30-Nov-20	12,000.00	33	396,000.00
49			13-Oct-20	20-Oct-20	2,621.67	7	18,351.69
50			6-Oct-20	13-Oct-20	2,718.19	7	19,027.33
51			6-Oct-20	13-Oct-20	10,377.22	7	72,640.54
52			20-Oct-20	27-Oct-20	13,187.48	7	92,312.36
53			27-Oct-20	3-Nov-20	13,281.12	7	92,967.84
54			13-Oct-20	20-Oct-20	13,303.19	7	93,122.33
55			7-Oct-20	15-Oct-20	83,614.16	8	668,913.28
56			7-Oct-20	15-Oct-20	119,995.83	8	959,966.64
57			7-Oct-20	15-Oct-20	207,140.58	8	1,657,124.64
58			13-Oct-20	20-Oct-20	271,952.14	7	1,903,664.98
59			27-Oct-20	3-Nov-20	377,866.97	7	2,645,068.79
60			20-Oct-20	27-Oct-20	530,052.36	7	3,710,366.52
61			6-Oct-20	13-Oct-20	636,602.52	7	4,456,217.64
62			7-Oct-20	15-Oct-20	1,155,136.35	8	9,241,090.80
63			20-Oct-20	9-Nov-20	3,264.00	20	65,280.00
64			5-Oct-20	8-Mar-21	6,000.00	154	924,000.00
65			11-Oct-20	16-Oct-20	40,380.96	5	201,904.80
66			28-Oct-20	2-Nov-20	114,891.20	5	574,456.00
67			12-Oct-20	16-Oct-20	858,474.00	4	3,433,896.00
68			21-Oct-20	26-Oct-20	5,012.28	5	25,061.40
69			1-Oct-20	23-Oct-20	145,467.04	22	3,200,274.88
70			29-Oct-20	20-Nov-20	2,539.35	22	55,865.70
71			7-Oct-20	28-Oct-20	14,461.63	21	303,694.23
72			28-Oct-20	9-Nov-20	3,433.77	12	41,205.24
73			2-Oct-20	16-Oct-20	21,060.62	14	294,848.68
74			29-Oct-20	29-Oct-20	13,010.00	0	-

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**Otter Tail Power Company
A/P Sample
October 2020**

Checks written between 10/01/20 and 10/31/20 for more than \$2,500

(A) (B) (C) (D) (E) (F) (G)

Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
1			20-Oct-20	19-Nov-20	7,018.00	30	210,540.00
2			27-Oct-20	10-Nov-20	4,592.00	14	64,288.00
3			31-Oct-20	24-Nov-20	7,564.83	24	181,555.92
4			31-Oct-20	2-Dec-20	18,410.36	32	589,131.52
5			31-Oct-20	2-Dec-20	23,335.68	32	746,741.76
6			28-Oct-20	6-Nov-20	5,952.60	9	53,573.40
7			28-Oct-20	4-Dec-20	79,090.65	37	2,926,354.05
8			19-Oct-20	19-Oct-20	7,964.00	0	-
9			16-Oct-20	19-Oct-20	21,435.00	3	64,305.00
10			29-Oct-20	12-Nov-20	3,550.02	14	49,700.28
11			5-Oct-20	7-Oct-20	4,237.65	2	8,475.30
12			14-Oct-20	10-Nov-20	9,375.00	27	253,125.00
13			29-Oct-20	24-Nov-20	9,375.00	26	243,750.00
14			31-Oct-20	27-Jan-21	225,650.19	88	19,857,216.72
15			8-Oct-20	5-Nov-20	2,859.79	28	80,074.12
16			12-Oct-20	5-Nov-20	3,601.36	24	86,432.64
17			9-Oct-20	5-Nov-20	6,244.16	27	168,592.32
18			16-Oct-20	5-Nov-20	12,486.05	20	249,721.00
19			22-Oct-20	18-Nov-20	18,235.76	27	492,365.52
20			23-Oct-20	26-Oct-20	59,120.00	3	177,360.00
21			13-Oct-20	15-Oct-20	5,000.00	2	10,000.00
22			1-Oct-20	28-Oct-20	9,052.50	27	244,417.50
23			5-Oct-20	2-Nov-20	4,787.35	28	134,045.80
24			8-Oct-20	15-Oct-20	28,930.00	7	202,510.00
25			8-Oct-20	15-Oct-20	40,877.54	7	286,142.78
26			8-Oct-20	15-Oct-20	51,369.78	7	359,588.46
27			8-Oct-20	15-Oct-20	54,150.00	7	379,050.00
28			8-Oct-20	15-Oct-20	63,241.23	7	442,688.61
29			8-Oct-20	15-Oct-20	64,980.00	7	454,860.00
30			1-Oct-20	14-Oct-20	60,409.43	13	785,322.59
31			26-Oct-20	29-Oct-20	3,076.41	3	9,229.23
32			22-Oct-20	18-Nov-20	20,344.24	27	549,294.48
33			12-Oct-20	30-Nov-20	6,177.05	49	302,675.45
34			1-Oct-20	22-Feb-21	32,296.00	144	4,650,624.00
35			15-Oct-20	19-Oct-20	12,988.58	4	51,954.32
36			26-Oct-20	23-Nov-20	27,095.39	28	758,670.92
37			21-Oct-20	26-Oct-20	15,760.06	5	78,800.30
38			23-Oct-20	29-Oct-20	2,500.00	6	15,000.00
39			14-Oct-20	19-Oct-20	4,154.50	5	20,772.50
40			14-Oct-20	19-Oct-20	161,660.63	5	808,303.15
41			12-Oct-20	16-Oct-20	20,431.78	4	81,727.12
42			16-Oct-20	23-Oct-20	62,002.00	7	434,014.00
43			28-Oct-20	3-Nov-20	2,697.69	6	16,186.14
44			28-Oct-20	3-Nov-20	23,158.53	6	138,951.18
45			28-Oct-20	3-Nov-20	49,836.00	6	299,016.00
46			23-Oct-20	30-Oct-20	378,750.26	7	2,651,251.82
47			6-Oct-20	9-Oct-20	566,684.50	3	1,700,053.50
48			24-Oct-20	20-Nov-20	3,298.50	27	89,059.50
49			12-Oct-20	15-Oct-20	3,326.50	3	9,979.50
50			24-Oct-20	20-Nov-20	3,987.50	27	107,662.50
51			26-Oct-20	12-Nov-20	2,728.75	17	46,388.75
52			5-Oct-20	23-Oct-20	9,352.50	18	168,345.00
53			31-Oct-20	25-Nov-20	5,202.78	25	130,069.50
54			31-Oct-20	12-Nov-20	4,000.00	12	48,000.00
55			6-Oct-20	8-Oct-20	104,236.73	2	208,473.46
56			6-Oct-20	8-Oct-20	105,609.34	2	211,218.68
57			6-Oct-20	8-Oct-20	451,713.83	2	903,427.66
58			29-Oct-20	9-Dec-20	3,328.58	41	136,471.78
59			30-Oct-20	7-Dec-20	10,197.00	38	387,486.00
60			19-Oct-20	28-Oct-20	10,901.63	9	98,114.67
61			31-Oct-20	16-Nov-20	2,596.25	16	41,540.00
62			31-Oct-20	25-Nov-20	12,085.00	25	302,125.00
63			31-Oct-20	25-Nov-20	18,485.26	25	462,131.50
64			14-Oct-20	19-Oct-20	16,027.43	5	80,137.15
65			26-Oct-20	28-Oct-20	20,955.10	2	41,910.20
66			5-Oct-20	6-Oct-20	29,609.50	1	29,609.50
67			20-Oct-20	20-Oct-20	32,056.44	0	-
68			7-Oct-20	4-Nov-20	49,000.70	28	1,372,019.60
69			26-Oct-20	4-Nov-20	3,175.00	9	28,575.00
70			23-Oct-20	4-Nov-20	4,708.49	12	56,501.88
71			2-Oct-20	5-Oct-20	8,990.09	3	26,970.27
72			23-Oct-20	25-Nov-20	1,577,222.70	33	52,048,349.10
73			14-Oct-20	14-Oct-20	4,588.36	0	-
74			29-Oct-20	29-Oct-20	15,742.16	0	-

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**Otter Tail Power Company
A/P Sample
October 2020**

Checks written between 10/01/20 and 10/31/20 for more than \$2,500

(A) (B) (C) (D) (E) (F) (G)

Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
1			14-Oct-20	14-Oct-20	56,533.35	0	-
2			29-Oct-20	29-Oct-20	146,886.03	0	-
3			7-Oct-20	8-Oct-20	3,782.10	1	3,782.10
4			14-Oct-20	14-Oct-20	54,947.65	0	-
5			29-Oct-20	29-Oct-20	146,124.65	0	-
6			11-Oct-20	15-Oct-20	1,110,737.01	4	4,442,948.04
7			28-Oct-20	30-Oct-20	2,366,226.43	2	4,732,452.86
8			10-Oct-20	1-Dec-20	29,760.00	52	1,547,520.00
9			27-Oct-20	1-Dec-20	87,360.00	35	3,057,600.00
10			31-Oct-20	9-Nov-20	3,576.55	9	32,188.95
11			31-Oct-20	9-Nov-20	254,395.74	9	2,289,561.66
12			17-Oct-20	12-Nov-20	124,650.50	26	3,240,913.00
13			31-Oct-20	8-Dec-20	127,337.00	38	4,838,806.00
14			3-Oct-20	6-Nov-20	159,410.50	34	5,419,957.00
15			1-Oct-20	28-Oct-20	3,426.72	27	92,521.44
16			1-Oct-20	28-Oct-20	3,493.62	27	94,327.74
17			29-Oct-20	16-Nov-20	6,592.14	18	118,658.52
18			26-Oct-20	16-Nov-20	6,912.56	21	145,163.76
19			29-Oct-20	16-Nov-20	6,985.67	18	125,742.06
20			20-Oct-20	16-Nov-20	7,018.33	27	189,494.91
21			23-Oct-20	16-Nov-20	7,060.33	24	169,447.92
22			20-Oct-20	16-Nov-20	7,243.89	27	195,585.03
23			19-Oct-20	16-Nov-20	7,292.10	28	204,178.80
24			21-Oct-20	16-Nov-20	7,548.76	26	196,267.76
25			31-Oct-20	16-Nov-20	7,626.52	16	122,024.32
26			26-Oct-20	16-Nov-20	7,744.75	21	162,639.75
27			31-Oct-20	16-Nov-20	7,800.75	16	124,812.00
28			28-Oct-20	16-Nov-20	7,845.85	19	149,071.15
29			29-Oct-20	16-Nov-20	7,943.85	18	142,989.30
30			27-Oct-20	16-Nov-20	8,002.97	20	160,059.40
31			22-Oct-20	16-Nov-20	8,010.74	25	200,268.50
32			25-Oct-20	30-Oct-20	4,509.49	5	22,547.45
33			5-Oct-20	6-Oct-20	6,348.52	1	6,348.52
34			6-Oct-20	14-Oct-20	39,148.33	8	313,186.64
35			13-Oct-20	2-Nov-20	20,000.00	20	400,000.00
36			20-Oct-20	17-Nov-20	7,508.27	28	210,231.56
37			20-Oct-20	17-Nov-20	7,577.61	28	212,173.08
38			20-Oct-20	17-Nov-20	12,885.48	28	360,793.44
39			7-Oct-20	28-Oct-20	4,083.53	21	85,754.13
40			22-Oct-20	17-Nov-20	6,981.27	26	181,513.02
41			15-Oct-20	13-Nov-20	6,602.72	29	191,478.88
42			14-Oct-20	10-Nov-20	2,727.50	27	73,642.50
43			6-Oct-20	1-Dec-20	6,963.09	56	389,933.04
44			29-Oct-20	24-Nov-20	7,132.19	26	185,436.94
45			29-Oct-20	24-Nov-20	10,083.89	26	262,181.14
46			29-Oct-20	24-Nov-20	25,397.21	26	660,327.46
47			29-Oct-20	24-Nov-20	37,663.03	26	979,238.78
48			29-Oct-20	24-Nov-20	39,284.75	26	1,021,403.50
49			26-Oct-20	16-Nov-20	6,767.76	21	142,122.96
50			29-Oct-20	16-Nov-20	8,926.17	18	160,671.06
51			8-Oct-20	28-Oct-20	6,903.17	20	138,063.40
52			1-Oct-20	28-Oct-20	9,745.66	27	263,132.82
53			30-Oct-20	24-Nov-20	86,529.80	25	2,163,245.00
54			15-Oct-20	10-Nov-20	83,551.00	26	2,172,326.00
55			2-Oct-20	28-Oct-20	184,837.51	26	4,805,775.26
56			7-Oct-20	27-Oct-20	29,687.88	20	593,757.60
57			31-Oct-20	24-Nov-20	3,195.32	24	76,687.68
58			14-Oct-20	18-Nov-20	56,462.71	35	1,976,194.85
59			21-Oct-20	31-Dec-20	254,406.81	71	18,062,883.51
60			8-Oct-20	4-Nov-20	565,348.46	27	15,264,408.42
61			21-Oct-20	18-Nov-20	565,348.46	28	15,829,756.88
62			13-Oct-20	6-Nov-20	3,478.95	24	83,494.80
63			28-Oct-20	24-Nov-20	8,274.00	27	223,398.00
64			19-Oct-20	16-Nov-20	16,275.00	28	455,700.00
65			30-Oct-20	3-Dec-20	5,985.00	34	203,490.00
66			19-Oct-20	16-Nov-20	7,638.32	28	213,872.96
67			1-Oct-20	14-Oct-20	19,232.46	13	250,021.98
68			13-Oct-20	12-Nov-20	5,500.00	30	165,000.00
69			16-Oct-20	19-Oct-20	2,500.00	3	7,500.00
70			28-Oct-20	24-Nov-20	7,188.42	27	194,087.34
71			13-Oct-20	19-Nov-20	3,313.30	37	122,592.10
72			13-Oct-20	19-Nov-20	28,986.26	37	1,072,491.62
73			14-Oct-20	13-Nov-20	21,311.21	30	639,336.30
74			15-Oct-20	10-Nov-20	24,448.82	26	635,669.32

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**Otter Tail Power Company
A/P Sample
October 2020**

Checks written between 10/01/20 and 10/31/20 for more than \$2,500

(A) (B) (C) (D) (E) (F) (G)

Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
1			14-Oct-20	13-Nov-20	148,964.75	30	4,468,942.50
2			30-Oct-20	16-Nov-20	7,280.00	17	123,760.00
3			19-Oct-20	19-Nov-20	6,485.90	31	201,062.90
4			1-Oct-20	19-Nov-20	12,636.96	49	619,211.04
5			1-Oct-20	19-Nov-20	13,841.08	49	678,212.92
6			19-Oct-20	23-Nov-20	17,720.00	35	620,200.00
7			19-Oct-20	23-Nov-20	21,729.00	35	760,515.00
8			12-Oct-20	6-Nov-20	3,391.00	25	84,775.00
9			14-Oct-20	6-Nov-20	3,640.00	23	83,720.00
10			26-Oct-20	6-Nov-20	3,640.00	11	40,040.00
11			12-Oct-20	6-Nov-20	40,468.75	25	1,011,718.75
12			31-Oct-20	20-Nov-20	3,011.25	20	60,225.00
13			14-Oct-20	14-Oct-20	2,659.20	0	-
14			7-Oct-20	8-Oct-20	3,385.44	1	3,385.44
15			7-Oct-20	8-Oct-20	7,616.25	1	7,616.25
16			14-Oct-20	14-Oct-20	5,481.00	0	-
17			22-Oct-20	23-Oct-20	3,196.80	1	3,196.80
18			7-Oct-20	8-Oct-20	2,700.00	1	2,700.00
19			14-Oct-20	14-Oct-20	3,816.96	0	-
20			7-Oct-20	8-Oct-20	5,389.20	1	5,389.20
21			7-Oct-20	8-Oct-20	8,136.00	1	8,136.00
22			7-Oct-20	8-Oct-20	2,512.80	1	2,512.80
23			14-Oct-20	14-Oct-20	5,670.00	0	-
24			22-Oct-20	23-Oct-20	4,500.00	1	4,500.00
25			7-Oct-20	8-Oct-20	6,081.00	1	6,081.00
26			7-Oct-20	8-Oct-20	9,583.20	1	9,583.20
27			7-Oct-20	8-Oct-20	20,603.53	1	20,603.53
28			7-Oct-20	8-Oct-20	4,854.19	1	4,854.19
29			7-Oct-20	8-Oct-20	32,328.00	1	32,328.00
30			30-Oct-20	30-Oct-20	3,774.00	0	-
31			22-Oct-20	23-Oct-20	3,038.40	1	3,038.40
32			22-Oct-20	23-Oct-20	14,029.69	1	14,029.69
33			22-Oct-20	23-Oct-20	2,700.00	1	2,700.00
34			7-Oct-20	8-Oct-20	3,600.00	1	3,600.00
35			22-Oct-20	23-Oct-20	3,600.00	1	3,600.00
36			14-Oct-20	14-Oct-20	3,500.00	0	-
37			22-Oct-20	23-Oct-20	4,500.00	1	4,500.00
38			7-Oct-20	8-Oct-20	3,330.00	1	3,330.00
39			30-Oct-20	30-Oct-20	5,000.00	0	-
40			22-Oct-20	23-Oct-20	3,500.00	1	3,500.00
41			30-Oct-20	30-Oct-20	3,169.44	0	-
42			22-Oct-20	23-Oct-20	4,586.40	1	4,586.40
43			22-Oct-20	23-Oct-20	7,046.80	1	7,046.80
44			22-Oct-20	23-Oct-20	3,150.00	1	3,150.00
45			30-Oct-20	30-Oct-20	8,020.25	0	-
46			30-Oct-20	30-Oct-20	2,592.00	0	-
47			30-Oct-20	30-Oct-20	2,700.00	0	-
48			22-Oct-20	23-Oct-20	7,452.84	1	7,452.84
49			22-Oct-20	23-Oct-20	2,700.00	1	2,700.00
50			22-Oct-20	23-Oct-20	4,500.00	1	4,500.00
51			22-Oct-20	23-Oct-20	5,400.00	1	5,400.00
52			22-Oct-20	23-Oct-20	5,362.68	1	5,362.68
53			22-Oct-20	23-Oct-20	2,700.00	1	2,700.00
54			30-Oct-20	30-Oct-20	9,076.08	0	-
55			30-Oct-20	30-Oct-20	2,700.00	0	-
56			30-Oct-20	30-Oct-20	4,169.20	0	-
57			30-Oct-20	30-Oct-20	2,700.00	0	-
58			7-Oct-20	8-Oct-20	3,807.00	1	3,807.00
59			22-Oct-20	23-Oct-20	2,700.00	1	2,700.00
60			14-Oct-20	14-Oct-20	2,700.00	0	-
61			22-Oct-20	23-Oct-20	4,884.60	1	4,884.60
62			7-Oct-20	8-Oct-20	3,600.00	1	3,600.00
63			7-Oct-20	8-Oct-20	3,600.00	1	3,600.00
64			22-Oct-20	23-Oct-20	4,500.00	1	4,500.00
65			7-Oct-20	8-Oct-20	3,500.00	1	3,500.00
66			30-Oct-20	30-Oct-20	2,700.00	0	-
67			30-Oct-20	30-Oct-20	9,000.00	0	-
68			7-Oct-20	8-Oct-20	2,700.00	1	2,700.00
69			7-Oct-20	8-Oct-20	2,700.00	1	2,700.00
70			22-Oct-20	23-Oct-20	2,800.00	1	2,800.00
71			22-Oct-20	23-Oct-20	4,500.00	1	4,500.00
72			7-Oct-20	8-Oct-20	4,500.00	1	4,500.00
73			30-Oct-20	30-Oct-20	4,360.80	0	-
74			1-Oct-20	14-Oct-20	10,189.58	13	132,464.54
1			12-Oct-20	16-Oct-20	246,817.45	4	987,269.80
2			31-Oct-20	17-Nov-20	210,115.77	17	3,571,968.09
3			20-Oct-20	17-Nov-20	3,055.64	28	85,557.92

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Lead Lag Study**

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**Otter Tail Power Company
A/P Sample
October 2020**

Checks written between 10/01/20 and 10/31/20 for more than \$2,500

(A) (B) (C) (D) (E) (F) (G)

Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
4			27-Oct-20	23-Nov-20	4,178.50	27	112,819.50
5			1-Oct-20	28-Oct-20	4,537.45	27	122,511.15
6			23-Oct-20	17-Nov-20	8,070.54	25	201,763.50
7			9-Oct-20	4-Nov-20	11,966.76	26	311,135.76
8			5-Oct-20	28-Oct-20	32,185.83	23	740,274.09
9			31-Oct-20	17-Nov-20	84,960.81	17	1,444,333.77
10			23-Oct-20	17-Nov-20	85,290.36	25	2,132,259.00
11			23-Oct-20	17-Nov-20	85,516.70	25	2,137,917.50
12			15-Oct-20	16-Oct-20	2,780.00	1	2,780.00
13			26-Oct-20	9-Nov-20	4,302.50	14	60,235.00
14			1-Oct-20	16-Oct-20	6,329.00	15	94,935.00
15			21-Oct-20	9-Dec-20	8,244.41	49	403,976.09
16			13-Oct-20	9-Nov-20	8,555.00	27	230,985.00
17			23-Oct-20	9-Nov-20	19,416.87	17	330,086.79
18			30-Oct-20	23-Nov-20	3,000.00	24	72,000.00
19			27-Oct-20	23-Nov-20	15,409.39	27	416,053.53
20			30-Oct-20	30-Nov-20	3,746.40	31	116,138.40
21			26-Oct-20	25-Nov-20	2,836.37	30	85,091.10
22			28-Oct-20	27-Nov-20	4,363.20	30	130,896.00
23			8-Oct-20	3-Nov-20	5,514.75	26	143,383.50
24			30-Oct-20	17-Nov-20	3,134.23	18	56,416.14
25			6-Oct-20	3-Nov-20	6,864.07	28	192,193.96
26			28-Oct-20	18-Nov-20	11,513.00	21	241,773.00
27			5-Oct-20	9-Oct-20	2,500.00	4	10,000.00
28			5-Oct-20	2-Nov-20	8,550.34	28	239,409.52
29			5-Oct-20	2-Nov-20	8,667.06	28	242,677.68
30			7-Oct-20	4-Nov-20	14,480.43	28	405,452.04
31			19-Oct-20	2-Dec-20	6,708.18	44	295,159.92
32			22-Oct-20	29-Oct-20	3,899.02	7	27,293.14
33			6-Oct-20	2-Nov-20	26,930.00	27	727,110.00
34			23-Oct-20	18-Nov-20	64,128.00	26	1,667,328.00
35			14-Oct-20	23-Nov-20	12,552.54	40	502,101.60
36			10-Oct-20	28-Oct-20	57,200.00	18	1,029,600.00
37			9-Oct-20	14-Oct-20	13,584.52	5	67,922.60
38			15-Oct-20	28-Oct-20	3,022.79	13	39,296.27
39			15-Oct-20	28-Oct-20	6,322.05	13	82,186.65
40			15-Oct-20	10-Nov-20	2,592.00	26	67,392.00
41			24-Oct-20	6-Nov-20	2,525.40	13	32,830.20
42			14-Oct-20	13-Nov-20	2,933.01	30	87,990.30
43			30-Oct-20	17-Nov-20	5,268.56	18	94,834.08
44			2-Oct-20	19-Oct-20	6,031.68	17	102,538.56
45			2-Oct-20	7-Oct-20	10,000.00	5	50,000.00
46			26-Oct-20	27-Oct-20	10,000.00	1	10,000.00
47			1-Oct-20	9-Oct-20	15,689.96	8	125,519.68
48			29-Oct-20	2-Nov-20	483,822.66	4	1,935,290.64
49			8-Oct-20	27-Oct-20	35,910.40	19	682,297.60
50			30-Oct-20	12-Nov-20	62,637.76	13	814,290.88
51			20-Oct-20	28-Oct-20	44,500.00	8	356,000.00
52			15-Oct-20	13-Nov-20	4,368.00	29	126,672.00
53			20-Oct-20	23-Oct-20	245,990.50	3	737,971.50
54			6-Oct-20	7-Oct-20	12,402.15	1	12,402.15
55			30-Oct-20	16-Nov-20	4,914.00	17	83,538.00
56			19-Oct-20	22-Oct-20	3,408.00	3	10,224.00
57			20-Oct-20	11-Feb-21	3,935.31	114	448,625.34
58			27-Oct-20	23-Nov-20	7,457.10	27	201,341.70
59			29-Oct-20	23-Nov-20	7,731.15	25	193,278.75
60			27-Oct-20	23-Nov-20	8,708.70	27	235,134.90
61			7-Oct-20	4-Nov-20	11,897.55	28	333,131.40
62			27-Oct-20	23-Nov-20	19,548.90	27	527,820.30
63			7-Oct-20	4-Nov-20	22,404.90	28	627,337.20
64			29-Oct-20	23-Nov-20	23,184.00	25	579,600.00
65			27-Oct-20	23-Nov-20	25,603.20	27	691,286.40
66			7-Oct-20	4-Nov-20	34,265.70	28	959,439.60
67			20-Oct-20	8-Dec-20	39,424.50	49	1,931,800.50
68			16-Oct-20	19-Oct-20	245,279.40	3	735,838.20
69			1-Oct-20	1-Oct-20	525,428.09	0	-
70			13-Oct-20	26-Oct-20	53,175.24	13	691,278.12
71			27-Oct-20	4-Nov-20	4,600.40	8	36,803.20
72			8-Oct-20	13-Oct-20	6,000.00	5	30,000.00
73			27-Oct-20	13-Nov-20	5,406.54	17	91,911.18
74			21-Oct-20	26-Oct-20	27,697.00	5	138,485.00
1			14-Oct-20	27-Nov-20	19,800.00	44	871,200.00
2			14-Oct-20	29-Oct-20	65,000.00	15	975,000.00
3			2-Oct-20	5-Nov-20	3,343.75	34	113,687.50
4			2-Oct-20	5-Nov-20	4,907.50	34	166,855.00
5			2-Oct-20	1-Dec-20	16,018.75	60	961,125.00
6			20-Oct-20	21-Oct-20	35,768.37	1	35,768.37

**Otter Tail Power Company
A/P Sample
October 2020**

Checks written between 10/01/20 and 10/31/20 for more than \$2,500

(A) (B) (C) (D) (E) (F) (G)

Line No.	Vendor	Invoice Number	Invoice Date	Check Date	Invoice Amount	Lag Days	\$ Lag Days
7			10-Oct-20	15-Oct-20	38,934.79	5	194,673.95
8			2-Oct-20	5-Oct-20	39,817.46	3	119,452.38
9			1-Oct-20	30-Oct-20	3,264.40	29	94,667.60
10			31-Oct-20	25-Nov-20	109,275.60	25	2,731,890.00
11			3-Oct-20	26-Oct-20	2,724.86	23	62,671.78
12			3-Oct-20	26-Oct-20	6,215.91	23	142,965.93
13			6-Oct-20	26-Oct-20	8,566.03	20	171,320.60
14			16-Oct-20	10-Nov-20	4,515.32	25	112,883.00
15			14-Oct-20	10-Nov-20	4,830.75	27	130,430.25
16			21-Oct-20	10-Nov-20	9,739.40	20	194,788.00
17			8-Oct-20	6-Nov-20	85,871.00	29	2,490,259.00
18							
19							
20							
21							
			Invoice Total		50,901,019.36		411,347,515.26
			Average Lag Days			8.08	

**Otter Tail Power Company
Working Capital Analysis
2019 Property Taxes Payable in 2020**

	(A)	(B)	(C)	(D)	(E)	(F)
Line No.		(1) Payment Amount Due	2019 Lag	(1) 2020 Payment Due Date	2020 Lag	\$\$\$ times Lag Days
	<i>MINNESOTA</i>					
1	PP & 1st half RE	8,107,913	182.5	5/15	318.50	2,582,370,291
2	Real Estate Taxes-2nd half	1,452,633	182.5	9/15	441.50	641,337,470
3		<u>9,560,546</u>			<u>337.19</u>	<u>3,223,707,761</u>
4						
5						
6	<i>NORTH DAKOTA</i>					
7	State assessed	3,144,619	182.5	2/15	228.50	718,545,336
8		<u>3,144,619</u>			<u>228.50</u>	<u>718,545,336</u>
9						
10						
11	<i>SOUTH DAKOTA</i>					
12	1st half	1,261,751	182.5	4/30	303.50	382,941,507
13	2nd half	1,261,605	182.5	9/15	441.50	556,998,519
14		<u>2,523,356</u>			<u>372.50</u>	<u>939,940,026</u>
15						
16						
17	TOTAL	<u>15,228,521</u>			<u>320.60</u>	<u>4,882,193,123</u>

Note: The due date for the 2nd Half Taxes for MN being used for this study is 09/15 instead of the actual due date of 10/15 because OTP can deduct the amounts for income tax purposes a full year in advance by special election if they are paid by

(1) Per Pages 3 - 15.

**Otter Tail Power Company
 MN 1st Half Detail
 Lag Days for Property Taxes**

	(A)	(B)	(C)	(D)	(E)
Line No.	MN Property Taxes - 2020 First Half Paym 2019 Allocation for MN				
1	100.010.0000.2210.1100....		-	-	
2	100.020.0000.2210.1100....		-	-	
3	100.030.0000.2210.1100....		-	-	
4	100.070.0000.2210.1100....		8,107,913.00	1.0000000	Total Payments
5	Total		8,107,913.00	1.000	8,107,913.00
6					
7	Becker County Treasurer	100.070.0000.2210.1100.	142,868.00		142,868.00 (1)
8	P O Box 745		142,868.00		
9	Detroit Lakes MN 56502-0745				
10					
11	Beltrami County Auditor/Treasurer	100.070.0000.2210.1100.	728,386.00		728,386.00 (1)
12	701 Minnesota Avenue NW Suite 220		728,386.00		
13	Bemidji MN 56601-3178				
14					
15	Big Stone County Treasurer	100.070.0000.2210.1100.	91,407.00		91,407.00 (1)
16	Courthouse 20 SE 2nd Street		91,407.00		
17	Ortonville MN 56278-1544				
18					
19	Brown County Treasurer	100.070.0000.2210.1100.	5,924.00		5,924.00 (1)
20	PO Box 115		5,924.00		
21	New Ulm MN 560733-0115				
22					
23	Cass County Auditor/Treasurer	100.070.0000.2210.1100.	204,247.00		204,247.00 (1)
24	P O Box 3000		204,247.00		
25	Walker MN 56484-3000				
26					
27	Chippewa County Auditor/Treasurer	100.070.0000.2210.1100.	17,108.00		17,108.00 (1)
28	629 N 11th Street		17,108.00		
29	Montevideo MN 56265				
30					
31	Clay County Auditor/Treasurer	100.070.0000.2210.1100.	191,827.00		191,827.00 (1)
32	P O Box 280		191,827.00		
33	Moorhead MN 56561-0280				
34					
35	Clearwater County Treasurer	100.070.0000.2210.1100.	141,569.00		141,569.00 (1)
36	213 Main Ave N, Dept 205		141,569.00		
37	Bagley MN 56621-8304				
38					
39	Dakota County Treasurer	100.070.0000.2210.1100.	47,278.00		47,278.00 (1)
40	1590 Highway 55		47,278.00		
41	Hastings MN 55033-2392				
42					
43	Douglas County Auditor/Treasurer	100.070.0000.2210.1100.	305,789.00		305,789.00 (1)
44	305 8th Ave W		305,789.00		
45	Alexandria MN 56308-1744				
46					
47	Grant County Treasurer	100.070.0000.2210.1100.	209,984.00		209,984.00 (1)
48	P O Box 1007		209,984.00		
49	Elbow Lake MN 56531-1007				
50					
51	Hubbard County Treasurer	100.070.0000.2210.1100.	44,115.00		44,115.00 (1)
52	301 Court Ave		44,115.00		
53	Park Rapids MN 56470-1483				
54					
55	Itasca County Treasurer	100.070.0000.2210.1100.	77,498.00		77,498.00 (1)
56	123 NE 4th St		77,498.00		
57	Grand Rapids, MN 55744				
58					
59	Kandiyohi County Auditor/Treasurer	100.070.0000.2210.1100.	14,195.00		14,195.00 (1)
60	P O Box 896		14,195.00		
61	Willmar MN 56201-0896				

Otter Tail Power Company
MN 1st Half Detail
Lag Days for Property Taxes

	(A)	(B)	(C)	(D)	(E)
Line No.	MN Property Taxes - 2020 First Half Payn				
	2019 Allocation for MN				
62					
63	Kittson County Auditor-Treasurer	100.070.0000.2210.1100.	236,032.00		236,032.00 (1)
64	410 5th St S, Suite 214		236,032.00		
65	Hallock MN 56728-4141				
66					
67	Lac Qui Parle County Treasurer	100.070.0000.2210.1100.	245,996.00		245,996.00 (1)
68	PO Box 126		245,996.00		
69	Madison MN 56256-0126				
70					
71	Lincoln County Treasurer	100.070.0000.2210.1100.	133,737.00		133,737.00 (1)
72	P O Box D		133,737.00		
73	Ivanhoe MN 56142-0079				
74					
75	Lyon County Auditor/Treasurer	100.070.0000.2210.1100.	143,547.00		143,547.00 (1)
76	607 W Main		143,547.00		
77	Marshall MN 56258-3099				
78					
79	Mahnomen County Treasurer	100.070.0000.2210.1100.	143,724.00		143,724.00 (1)
80	P O Box 400		143,724.00		
81	Mahnomen MN 56557-0400				
82					
83	Marshall County Auditor-Treasurer	100.070.0000.2210.1100.	144,268.00		144,268.00 (1)
84	208 E Colvin Ave, Suite 12		144,268.00		
85	Warren MN 56762-1692				
86					
87	Norman County Auditor/Treasurer	100.070.0000.2210.1100.	49,370.00		49,370.00 (1)
88	P O Box 266		49,370.00		
89	Ada MN 56510-0266				
90					
91	Pennington County Treasurer	100.070.0000.2210.1100.	8,294.00		8,294.00 (1)
92	P O Box 616		8,294.00		
93	Thief River Falls MN 56701-0616				
94					
95	Polk County Auditor/Treasurer	100.070.0000.2210.1100.	593,535.00		593,535.00 (1)
96	612 N Broadway, Suite 207		593,535.00		
97	Crookston MN 56716-1452				
98					
99	Pope County Auditor/Treasurer	100.070.0000.2210.1100.	18,867.00		18,867.00 (1)
100	130 E Minnesota Ave		18,867.00		
101	Glenwood MN 56334-1628				
102					
103	Red Lake County Treasurer	100.070.0000.2210.1100.	165,998.00		165,998.00 (1)
104	P O Box 208		165,998.00		
105	Red Lake Falls MN 56750-0208				
106					
107	Redwood County Auditor/Treasurer	100.070.0000.2210.1100.	56,082.00		56,082.00 (1)
108	PO Box 130		56,082.00		
109	Redwood Falls MN 56283-0130				
110					
111	Renville County Treasurer	100.070.0000.2210.1100.	11,560.00		11,560.00 (1)
112	510 East Depue Ave, Ste 202		11,560.00		
113	Olivia MN 56277-3005				
114					
115	Roseau County Treasurer	100.070.0000.2210.1100.	50,789.00		50,789.00 (1)
116	606 5th Ave SW, Room 140		50,789.00		
117	Roseau MN 56751-1477				
118					
119	Scott County Treasurer	100.070.0000.2210.1100.	59,604.00		59,604.00 (1)
120	200 4th Ave W		59,604.00		
121	Shakopee MN 55379				
122					

**Otter Tail Power Company
MN 1st Half Detail
Lag Days for Property Taxes**

	(A)	(B)	(C)	(D)	(E)
Line No.	MN Property Taxes - 2020 First Half Payn 2019 Allocation for MN				
123	Sibley County Treasurer	100.070.0000.2210.1100.	66,294.00		66,294.00 (1)
124	PO Box 51		66,294.00		
125	Gaylord MN 55334				
126					
127	Stearns County Auditor-Treasurer	100.070.0000.2210.1100.	376,060.00		376,060.00 (1)
128	Administrative Center Rm 136, P O Box 728		376,060.00		
129	St. Cloud, MN 56302-0728				
130					
131	Stevens County Auditor/Treasurer	100.070.0000.2210.1100.	261,260.00		261,260.00 (1)
132	PO Box 530		261,260.00		
133	Morris MN 56267-0530				
134					
135	Swift County Treasurer	100.070.0000.2210.1100.	165,341.00		165,341.00 (1)
136	P O Box 50		165,341.00		
137	Benson MN 56215-0050				
138					
139	Todd County Auditor/Treasurer	100.070.0000.2210.1100.	34,220.00		34,220.00 (1)
140	221 1st Ave S, Suite 200		34,220.00		
141	Long Prairie MN 56347-1390				
142					
143	Traverse County Treasurer	100.070.0000.2210.1100.	164,558.00		164,558.00 (1)
144	P O Box 837		164,558.00		
145	Wheaton MN 56296-0837				
146					
147	Wadena County Treasurer	100.070.0000.2210.1100.	312.00		312.00 (1)
148	415 Jefferson St S		312.00		
149	Wadena MN 56482-1596				
150					
151	Wilkin County Treasurer	100.070.0000.2210.1100.	137,405.00		137,405.00 (1)
152	P O Box 368		137,405.00		
153	Breckenridge MN 56520-0368				
154					
155	Wright County Auditor/Treasurer	100.070.0000.2210.1100.	55,536.00		55,536.00 (1)
156	10 Second Street NW Room 232		55,536.00		
157	Buffalo, MN 55313-1194				
158					
159	Yellow Medicine County Treasurer	100.070.0000.2210.1100.	206,104.00		206,104.00 (1)
160	415 9th Ave		206,104.00		
161	Granite Falls MN 56241-1367				
162					
163	Otter Tail County Treasurer	100.070.0000.2210.1100.	2,357,225.00		2,357,225.00 (1)
164	570 Fir Ave W		2,357,225.00		
165	Fergus Falls MN 56537-1364				
166					
167	Total Personal Property & Half Real Estate Taxes		8,107,913.00		8,107,913.00

Source: Property Tax Accountant; Fixed Assets Department

(1) Paid on 05/13/2020

Otter Tail Power Company
MN 2nd Half Detail
Lag Days for Property Taxes

	(A)	(B)	(C)	(D)	(E)
Line No.	MN Property Taxes - 2020 Second Half Payments				
	2019 Allocation for MN				
1	100.070.0000.2210.1100....		1,452,633.00	1.0000000	Total Payments
2	Total		1,452,633.00	1.000	1,452,633.00
3					
4	Becker County Treasurer	100.070.0000.2210.1100	30,160.00		30,160.00
5	P O Box 745		30,160.00		
6	Detroit Lakes MN 56502-0745				
7					
8	Beltrami County Auditor-Treasurer	100.070.0000.2210.1100	112,502.00		112,502.00
9	701 Minnesota Avenue NW Suite 220		112,502.00		
10	Bemidji MN 56601-3178				
11					
12	Big Stone County Treasurer	100.070.0000.2210.1100	16,775.00		16,775.00
13	Courthouse 20 SE 2nd Street		16,775.00		
14	Ortonville MN 56278-1544				
15					
16					
17					
18	Cass County Auditor-Treasurer	100.070.0000.2210.1100	56,669.00		56,669.00
19	P O Box 3000		56,669.00		
20	Walker MN 56484-3000				
21					
22	Clay County Auditor/Treasurer	100.070.0000.2210.1100	2,743.00		2,743.00
23	P O Box 280		2,743.00		
24	Moorhead MN 56561-0280				
25					
26	Clearwater County Treasurer	100.070.0000.2210.1100	72,751.00		72,751.00
27	213 Main Ave N, Dept 205		72,751.00		
28	Bagley MN 56621-8304				
29					
30	Douglas County Auditor/Treasurer	100.070.0000.2210.1100	60,295.00		60,295.00
31	305 8th Ave W		60,295.00		
32	Alexandria MN 56308-1744				
33					
34	Grant County Treasurer	100.070.0000.2210.1100	7,084.00		7,084.00
35	P O Box 1007		7,084.00		
36	Elbow Lake MN 56531-1007				
37					
38	Hubbard County Treasurer	100.070.0000.2210.1100	261.00		261.00
39	301 Court Ave		261.00		
40	Park Rapids MN 56470-1483				
41					
42	Kandiyohi County Auditor/Treasurer	100.070.0000.2210.1100	155.00		155.00
43	P O Box 896		155.00		
44	Willmar MN 56201-0896				
45					
46	Kittson County Auditor-Treasurer	100.070.0000.2210.1100	38,360.00		38,360.00
47	410 5th St. S, Suite 214		38,360.00		
48	Hallock MN 56728-4141				
49					
50	Lac Qui Parle County Treasurer	100.070.0000.2210.1100	35,458.00		35,458.00
51	P O Box 126		35,458.00		
52	Madison MN 56256-0126				
53					
54	Lincoln County Treasurer	100.070.0000.2210.1100	11,409.00		11,409.00
55	P O Box D		11,409.00		
56	Ivanhoe MN 56142-0079				
57					
58	Lyon County Auditor/Treasurer	100.070.0000.2210.1100	9,071.00		9,071.00
59	607 W Main		9,071.00		
60	Marshall MN 56258-3099				
61					
62	Mahnomen County Treasurer	100.070.0000.2210.1100	7,836.00		7,836.00
63	P O Box 400		7,836.00		
64	Mahnomen MN 56557-0400				

Otter Tail Power Company
MN 2nd Half Detail
Lag Days for Property Taxes

	(A)	(B)	(C)	(D)	(E)
Line No.	MN Property Taxes - 2020 Second Half Payments 2019 Allocation for MN				
65					
66	Marshall County Auditor-Treasurer	100.070.0000.2210.1100	5,704.00		5,704.00
67	208 E Colvin Ave, Suite 12		<u>5,704.00</u>		
68	Warren MN 56762-1692				
69					
70	Norman County Auditor/Treasurer	100.070.0000.2210.1100	1,684.00		1,684.00
71	P O Box 266		<u>1,684.00</u>		
72	Ada MN 56510-0266				
73					
74	Pennington County Treasurer	100.070.0000.2210.1100	436.00		436.00
75	P O Box 616		<u>436.00</u>		
76	Thief River Falls MN 56701-0616				
77					
78	Polk County Auditor/Treasurer	100.070.0000.2210.1100	48,941.00		48,941.00
79	612 N Broadway Suite 207		<u>48,941.00</u>		
80	Crookston MN 56716-1452				
81					
82	Pope County Auditor/Treasurer	100.070.0000.2210.1100	573.00		573.00
83	130 E Minnesota Ave		<u>573.00</u>		
84	Glenwood MN 56334-1628				
85					
86	Red Lake County Treasurer	100.070.0000.2210.1100	17,744.00		17,744.00
87	P O Box 208		<u>17,744.00</u>		
88	Red Lake Falls MN 56750-0208				
89					
90	Roseau County Treasurer	100.070.0000.2210.1100	7,331.00		7,331.00
91	606 5th Ave SW, Room 140		<u>7,331.00</u>		
92	Roseau MN 56751-1477				
93					
94	Stevens County Auditor/Treasurer	100.070.0000.2210.1100	18,602.00		18,602.00
95	PO Box 530		<u>18,602.00</u>		
96	Morris MN 56267-0530				
97					
98	Swift County Treasurer	100.070.0000.2210.1100	112,473.00		112,473.00
99	P O Box 50		<u>112,473.00</u>		
100	Benson MN 56215-0050				
101					
102	Traverse County Treasurer	100.070.0000.2210.1100	8,682.00		8,682.00
103	P O Box 837		<u>8,682.00</u>		
104	Wheaton MN 56296-0837				
105					
106	Wilkin County Treasurer	100.070.0000.2210.1100	2,779.00		2,779.00
107	P O Box 368		<u>2,779.00</u>		
108	Breckenridge MN 56520-0368				
109					
110	Yellow Medicine County Treasurer	100.070.0000.2210.1100	19,880.00		19,880.00
111	415 9th Ave		<u>19,880.00</u>		
112	Granite Falls MN 56241-1367				
113					
114	Otter Tail County Treasurer	100.070.0000.2210.1100	746,275.00		746,275.00
115	570 Fir Ave W		<u>746,275.00</u>		
116	Fergus Falls MN 56537-1364				
117					
118	Total Personal Property & Half Real Estate Taxes		1,452,478.00		1,452,633.00

Source: Property Tax Accountant; Fixed Assets Department

Otter Tail Power Company
ND State Assessed Detail
Lag Days for Property Taxes

	(A)	(B)	(C)	(D)	(E)
Line No.	ND Property Taxes Payable by Feb 1!				
1	Barnes County Treasurer	100.070.0000.2210.1200	100.00%	205,765.79	
2	P O Box 653		100.00%	205,765.79	205,765.79
3	Valley City ND 58072-0653				
4					
5	Benson County Treasurer	100.070.0000.2210.1200	100.00%	41,672.20	
6	P O Box 204		100.00%	41,672.20	41,672.20
7	Minnewaukan ND 58351-0204				
8					
9	Bottineau County Treasurer	100.070.0000.2210.1200	100.00%	79,951.83	
10	314 W Fifth St		100.00%	79,951.83	79,951.83
11	Bottineau ND 58318-1267				
12					
13	Burleigh County Treasurer	100.070.0000.2210.1200	100.00%	9,120.91	
14	PO Box 5518		100.00%	9,120.91	9,120.91
15	Bismarck ND 58506-5518				
16					
17	Cass County Treasurer	100.070.0000.2210.1200	100.00%	219,040.29	
18	P O Box 2806		100.00%	219,040.29	219,040.29
19	Fargo ND 58108-2806				
20					
21	Cavalier County Treasurer	100.070.0000.2210.1200	100.00%	183,729.13	
22	901 Third Street, Suite 14		100.00%	183,729.13	183,729.13
23	Langdon ND 58249				
24					
25	Dickey County Treasurer	100.070.0000.2210.1200	100.00%	95,996.76	
26	P O Box 369		100.00%	95,996.76	95,996.76
27	Ellendale ND 58436-0369				
28					
29	Eddy County Treasurer	100.070.0000.2210.1200	100.00%	36,785.06	
30	524 Central Ave		100.00%	36,785.06	36,785.06
31	New Rockford ND 58356				
32					
33	Foster County Treasurer	100.070.0000.2210.1200	100.00%	40,909.53	
34	PO Box 104		100.00%	40,909.53	40,909.53
35	Carrington ND 58421-0104				
36					
37	Grand Forks County Treasurer	100.070.0000.2210.1200	100.00%	14,075.25	
38	P O Box 5638		100.00%	14,075.25	14,075.25
39	Grand Forks ND 58206-5638				
40					

Otter Tail Power Company
ND State Assessed Detail
Lag Days for Property Taxes

	(A)	(B)	(C)	(D)	(E)
Line No.	ND Property Taxes Payable by Feb 1!				
41	Griggs County Treasurer	100.070.0000.2210.1200	100.00%	29,064.75	
42	P O Box 340		100.00%	<u>29,064.75</u>	29,064.75
43	Cooperstown ND 58425-0340				
44					
45	Kidder County Treasurer	100.070.0000.2210.1200	100.00%	11,930.63	
46	P O Box 8		100.00%	<u>11,930.63</u>	11,930.63
47	Steele ND 58482-0008				
48					
49	LaMoure County Treasurer	100.070.0000.2210.1200	100.00%	43,479.35	
50	P O Box 128		100.00%	<u>43,479.35</u>	43,479.35
51	LaMoure ND 58458-0128				
52					
53	Logan County Treasurer	100.070.0000.2210.1200	100.00%	8,860.19	
54	301 Broadway		100.00%	<u>8,860.19</u>	8,860.19
55	Napoleon ND 58561-7010				
56					
57	McHenry County Treasurer	100.070.0000.2210.1200	100.00%	62,125.80	
58	P O Box 147		100.00%	<u>62,125.80</u>	62,125.80
59	Towner ND 58788-0147				
60					
61	McIntosh County Treasurer	100.070.0000.2210.1200	100.00%	61.42	
62	PO Box 69		100.00%	<u>61.42</u>	61.42
63	Ashley, ND 58413				
64					
65	McLean County Treasurer	100.070.0000.2210.1200	100.00%	109,754.43	
66	P O Box 1108		100.00%	<u>109,754.43</u>	109,754.43
67	Washburn ND 58577-1108				
68					
69	Mercer County Treasurer	100.070.0000.2210.1200	100.00%	6,947.09	
70	PO Box 39		100.00%	<u>6,947.09</u>	6,947.09
71	Stanton ND 58571-0039				
72					
73	Mountrail County Treasurer	100.070.0000.2210.1200	100.00%	15,155.98	
74	P O Box 69		100.00%	<u>15,155.98</u>	15,155.98
75	Stanley ND 58784-0069				
76					
77	Nelson County Treasurer	100.070.0000.2210.1200	100.00%	40,682.38	
78	210 B Ave W, Ste 202		100.00%	<u>40,682.38</u>	40,682.38
79	Lakota ND 58344-7410				
80					

**Otter Tail Power Company
 ND State Assessed Detail
 Lag Days for Property Taxes**

	(A)	(B)	(C)	(D)	(E)
Line No.	ND Property Taxes Payable by Feb 1!				
81	Oliver County Treasurer	100.070.0000.2210.1200	100.00%	13,798.06	
82	P O Box 85		100.00%	13,798.06	13,798.06
83	Center ND 58530-0085				
84					
85	Pembina County Treasurer	100.070.0000.2210.1200	100.00%	81,804.32	
86	301 Dakota St W #1		100.00%	81,804.32	81,804.32
87	Cavalier ND 58220-4100				
88					
89	Pierce County Treasurer	100.070.0000.2210.1200	100.00%	95,679.01	
90	P O Box 258		100.00%	95,679.01	95,679.01
91	Rugby ND 58368-0258				
92					
93	Ramsey County Treasurer	100.070.0000.2210.1200	100.00%	164,537.87	
94	524 4th Ave NE, Unit 20		100.00%	164,537.87	164,537.87
95	Devils Lake ND 58301-2400				
96					
97	Ransom County Treasurer	100.070.0000.2210.1200	100.00%	65,054.21	
98	P O Box 629		100.00%	65,054.21	65,054.21
99	Lisbon ND 58054-0629				
100					
101	Renville County Treasurer	100.070.0000.2210.1200	100.00%	8,129.87	
102	P O Box 68		100.00%	8,129.87	8,129.87
103	Mohall ND 58761-0068				
104					
105	Richland County Treasurer	100.070.0000.2210.1200	100.00%	480,797.90	
106	418 2nd Ave N		100.00%	480,797.90	480,797.90
107	Wahpeton ND 58075-4400				
108					
109	Rolette County Treasurer	100.070.0000.2210.1200	100.00%	56,468.96	
110	P O Box 939		100.00%	56,468.96	56,468.96
111	Rolla ND 58367-0939				
112					
113	Sargent County Treasurer	100.070.0000.2210.1200	100.00%	102,269.50	
114	P O Box 126		100.00%	102,269.50	102,269.50
115	Forman ND 58032-0126				
116					
117	Sheridan County Treasurer	100.070.0000.2210.1200	100.00%	43,593.37	
118	P O Box 410		100.00%	43,593.37	43,593.37
119	McClusky ND 58463-0410				
120					

**Otter Tail Power Company
ND State Assessed Detail
Lag Days for Property Taxes**

(A)	(B)	(C)	(D)	(E)
Line No.	ND Property Taxes Payable by Feb 1!			
121	Steele County Treasurer	100.070.0000.2210.1200	100.00%	116,587.88
122	P O Box 257		100.00%	<u>116,587.88</u>
123	Finley ND 58230-0257			116,587.88
124				
125	Stutsman County Treasurer	100.070.0000.2210.1200	100.00%	481,656.26
126	511 2nd Ave SE		100.00%	<u>481,656.26</u>
127	Jamestown ND 58401			481,656.26
128				
129	Towner County Treasurer	100.070.0000.2210.1200	100.00%	11,914.15
130	PO Box 603		100.00%	<u>11,914.15</u>
131	Cando ND 58324-0603			11,914.15
132				
133	Traill County Treasurer	100.070.0000.2210.1200	100.00%	2,787.63
134	P O Box 9		100.00%	<u>2,787.63</u>
135	Hillsboro ND 58045-0009			2,787.63
136				
137	Walsh County Treasurer	100.070.0000.2210.1200	100.00%	65,696.17
138	600 Cooper Ave		100.00%	<u>65,696.17</u>
139	Grafton ND 58237			65,696.17
140				
141	Ward County Treasurer	100.070.0000.2210.1200	100.00%	29,195.71
142	P O Box 5005		100.00%	<u>29,195.71</u>
143	Minot ND 58702-5005			29,195.71
144				
145	Wells County Treasurer	100.070.0000.2210.1200	100.00%	69,538.90
146	P O Box 97		100.00%	<u>69,538.90</u>
147	Fessenden ND 58438-0097			69,538.90
148				
149		100.070.0000.2210.1200		3,144,618.54
150				
151	Total Payment			<u>3,144,618.54</u>
152				<u>3,144,618.54</u>
153				-
154				
155	Pay 2/28			<u>3,144,618.54</u>
156				<u>3,144,618.54</u>

Note: ND Property taxes are due by March 1st to the state but are due by Feb 15th in order to deduct early for income tax purposes. Use Feb 15th as the due date for this analysis as OTP takes advantage of the early income tax deduction.

**Otter Tail Power Company
 ND Summary of Detail
 Lag Days for Property Taxes**

	(A)	(B)	(C)
	(Payable before March 1, 2020)		
Line No.	County	County Seat	Property Tax Due March 1
1	Barnes	Valley City	\$ 205,765.79
2	Benson	Minnewaukan	\$ 41,672.20
3	Bottineau	Bottineau	\$ 79,951.83
4	Burleigh	Bismarck	\$ 9,120.91
5	Cass	Fargo	\$ 219,040.29
6	Cavalier	Langdon	\$ 183,729.13
7	Dickey	Ellendale	\$ 95,996.76
8	Eddy	New Rockford	\$ 36,785.06
9	Foster	Carrington	\$ 40,909.53
10	Grand Forks	Grand Forks	\$ 14,075.25
11	Griggs	Cooperstown	\$ 29,064.75
12	Kidder	Steele	\$ 11,930.63
13	LaMoure	LaMoure	\$ 43,479.35
14	Logan	Napoleon	\$ 8,860.19
15	McHenry	Towner	\$ 62,125.80
16	McIntosh	Ashley	\$ 61.42
17	McLean	Washburn	\$ 109,754.43
18	Mercer	Stanton	\$ 6,947.09
19	Mountrail	Stanley	\$ 15,155.98
20	Nelson	Lakota	\$ 40,682.38
21	Oliver	Center	\$ 13,798.06
22	Pembina	Cavalier	\$ 81,804.32
23	Pierce	Rugby	\$ 95,679.01
24	Ramsey	Devils Lake	\$ 164,537.87
25	Ransom	Lisbon	\$ 65,054.21
26	Renville	Mohall	\$ 8,129.87
27	Richland	Wahpeton	\$ 480,797.90
28	Rolette	Rolla	\$ 56,468.96
29	Sargent	Forman	\$ 102,269.50
30	Sheridan	McClusky	\$ 43,593.37
31	Steele	Finley	\$ 116,587.88
32	Stutsman	Jamestown	\$ 481,656.26
33	Towner	Cando	\$ 11,914.15
34	Traill	Hillsboro	\$ 2,787.63
35	Walsh	Grafton	\$ 65,696.17
36	Ward	Minot	\$ 29,195.71
37	Wells	Fessenden	\$ 69,538.90
38			
39		TOTALS	<u>\$ 3,144,618.54</u>
40			
41			

Debit Oracle Account 100.070.0000.2210.1200.0000.000000.0000.0000.

**Otter Tail Power Company
 SD 1st Half Detail
 Lag Days for Property Taxes**

	(A)	(B)	(C)
Line No.	Due 4/30		
	First Half SD 2020 Property Tax Payments		
1	Brookings County Treasurer	100.070.0000.2210.1300...	52,949.47
2	314 6th Ave.		Total 52,949.47 (1)
3	Brookings SD 57006		
4			
5	Brown County Treasurer	100.070.0000.2210.1300...	104,878.77
6	25 Market Street, Suite 2		Total 104,878.77 (1)
7	Aberdeen SD 57401		
8			
9	Codington County Treasurer	100.070.0000.2210.1300...	2,004.80
10	14 First Ave. SE		Total 2,004.80 (1)
11	Watertown SD 57201-3611		
12			
13	Day County Treasurer	100.070.0000.2210.1300...	103,763.89
14	711 W 1st Street		Total 103,763.89 (1)
15	Webster SD 57274		
16			
17	Deuel County Treasurer	100.070.0000.2210.1300...	101,040.63
18	P O Box 680		Total 101,040.63 (1)
19	Clear Lake SD 57226-0680		
20			
21	Grant County Treasurer	100.070.0000.2210.1300...	681,465.98
22	210 E 5th Ave		Total 681,465.98 (1)
23	Milbank SD 57252		
24			
25	Hamlin County Treasurer	100.070.0000.2210.1300...	29,890.11
26	P O Box 267		Total 29,890.11 (1)
27	Hayti SD 57241-0267		
28			
29	Kingsbury County Treasurer	100.070.0000.2210.1300...	70,764.90
30	P O Box 166		Total 70,764.90 (1)
31	De Smet SD 57231-0166		
32			
33	Lake County Treasurer	100.070.0000.2210.1300...	10,266.05
34	200 E Center St		Total 10,266.05 (1)
35	Madison SD 57042		
36			
37	Marshall County Treasurer	100.070.0000.2210.1300...	22,083.88
38	P O Box 130		Total 22,083.88 (1)
39	Britton SD 57430-0130		
40			
41	Moody County Treasurer	100.070.0000.2210.1300...	12,241.56
42	101 East Pipestone Ave, Suite A		Total 12,241.56 (1)
43	Flandreau SD 57028-1750		
44			
45	Roberts County Treasurer	100.070.0000.2210.1300...	70,401.22
46	411 2nd Ave E, Ste 1A		Total 70,401.22 (1)
47	Sisseton SD 57262		
48			
49	Total 1st Half SD Taxes		1,261,751.26

(1) Paid on 04/21/2020

Source: Property Tax Accountant; Fixed Assets Department

Otter Tail Power Company
SD 2nd Half Detail
Lag Days for Property Taxes

	(A)	(B)	(C)
Line No.	Due 10/31		
	Second Half SD 2014 Property Tax Payments		
1	Brookings County Treasurer	100.070.0000.2210.1300...	52,949.47
2	314 6th Ave.		Total 52,949.47 (1)
3	Brookings SD 57006		
4			
5	Brown County Treasurer	100.070.0000.2210.1300...	104,878.72
6	25 Market Street, Suite 2		Total 104,878.72 (1)
7	Aberdeen SD 57401		
8			
9	Codington County Treasurer	100.070.0000.2210.1300...	1,972.51
10	14 First Ave. SE		Total 1,972.51 (1)
11	Watertown SD 57201-3611		
12			
13	Day County Treasurer	100.070.0000.2210.1300...	103,763.89
14	711 W 1st Street		Total 103,763.89 (1)
15	Webster SD 57274		
16			
17	Deuel County Treasurer	100.070.0000.2210.1300...	101,040.63
18	P O Box 680		Total 101,040.63 (1)
19	Clear Lake SD 57226-0680		
20			
21	Grant County Treasurer	100.070.0000.2210.1300...	681,390.52
22	210 E 5th Ave		Total 681,390.52 (1)
23	Milbank SD 57252		
24			
25	Hamlin County Treasurer	100.070.0000.2210.1300...	29,890.11
26	P O Box 267		Total 29,890.11 (1)
27	Hayti SD 57241-0267		
28			
29	Kingsbury County Treasurer	100.070.0000.2210.1300...	70,746.17
30	P O Box 166		Total 70,746.17 (1)
31	De Smet SD 57231-0166		
32			
33	Lake County Treasurer	100.070.0000.2210.1300...	10,266.05
34	200 E Center St		Total 10,266.05 (1)
35	Madison SD 57042		
36			
37	Marshall County Treasurer	100.070.0000.2210.1300...	22,083.88
38	P O Box 130		Total 22,083.88 (1)
39	Britton SD 57430-0130		
40			
41	Moody County Treasurer	100.070.0000.2210.1300...	12,241.56
42	101 East Pipestone Ave, Suite A		Total 12,241.56 (1)
43	Flandreau SD 57028-1750		
44			
45	Roberts County Treasurer	100.070.0000.2210.1300...	70,381.29
46	411 2nd Ave E, Ste 1A		Total 70,381.29 (1)
47	Sisseton SD 57262		
48			
49	Total 2nd Half SD Taxes		1,261,604.80

(1) Paid on 09/14/2020

Source: Property Tax Accountant; Fixed Assets Department

**Otter Tail Power Company
2019 Property Taxes (Payable in 2020)
State of South Dakota**

	(A)	(B)	(E)	(G)	(H)
Line No.	County	County Seat	Paid Before May 1, 2020	Payable Before Sept. 15, 2020	Total Tax
1	Brookings	Brookings	\$ 52,949.47	\$ 52,949.47	\$ 105,898.94
2	Brown	Aberdeen	104,878.77	104,878.72	209,757.49
3	Codington	Watertown	2,004.80	1,972.51	3,977.31
4	Day	Webster	103,763.89	103,763.89	207,527.78
5	Deuel	Clear Lake	101,040.63	101,040.63	202,081.26
6	Grant	Milbank	681,465.98	681,390.52	1,362,856.50
7	Hamlin	Hayti	29,890.11	29,890.11	59,780.22
8	Kingsbury	De Smet	70,764.90	70,746.17	141,511.07
9	Lake	Madison	10,266.05	10,266.05	20,532.10
10	Marshall	Britton	22,083.88	22,083.88	44,167.76
11	Moody	Flandreau	12,241.56	12,241.56	24,483.12
12	Roberts	Sisseton	70,401.22	70,381.29	140,782.51
13	TOTALS		\$1,261,751.26	\$1,261,604.80	\$2,523,356.06

Otter Tail Power Company
Coal Conversion Tax Pmts Analysis
Year 2020

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	ND State Tax Commissioner (1)	Expense	Beg. Service Period	End Service Period	Avg Service Days	Payment Date	Days from End of Service To Payment	Total (Lead)/Lag Days	\$ Days
1	January	62,235.77	01/01/20	01/31/20	15.5	02/18/20	18.00	33.50	2,084,898.30
2	February	60,064.31	02/01/20	02/29/20	14.0	03/18/20	18.00	32.00	1,922,057.92
3	March	57,196.96	03/01/20	03/31/20	15.5	04/21/20	21.00	36.50	2,087,689.04
4	April	59,510.94	04/01/20	04/30/20	15.0	05/22/20	22.00	37.00	2,201,904.78
5	May	55,320.06	05/01/20	05/31/20	15.5	06/24/20	24.00	39.50	2,185,142.37
6	June	54,031.73	06/01/20	06/30/20	15.0	07/22/20	22.00	37.00	1,999,174.01
7	July	61,187.25	07/01/20	07/31/20	15.5	08/19/20	19.00	34.50	2,110,960.13
8	August	61,587.19	08/01/20	08/31/20	15.5	09/22/20	22.00	37.50	2,309,519.63
9	September	56,581.63	09/01/20	09/30/20	15.0	10/19/20	19.00	34.00	1,923,775.42
10	October	59,611.62	10/01/20	10/31/20	15.5	11/19/20	19.00	34.50	2,056,600.89
11	November	58,234.57	11/01/20	11/30/20	15.0	12/21/20	21.00	36.00	2,096,444.52
12	December	60,289.50	12/01/20	12/31/20	15.5	01/20/21	20.00	35.50	2,140,277.25
13									
14	Total	705,851.53						35.59	25,118,444.25
15									

(1) Provided by Tax Accountant

**Otter Tail Power Company
 Lead/Lag Study
 Federal and State Income Tax Payment Lag**

(A) (B) (C) (D) (E) (F)

Federal Taxes						
Line No.	(1) Payment Date	End of Service Period	(1) Amount	(2) Average Service Period	Total Lag Days	\$ Lag Days
1	03/16/20	12/31/20	-	183.00	(107.00)	-
2						
3	06/15/20	12/31/20	-	183.00	(16.00)	-
4						
5	10/15/20	12/31/20	-	183.00	106.00	-
6						
7	02/22/21	12/31/20	3,386,183.00	183.00	236.00	799,139,188.00
8						
9	10/29/21	12/31/20	(472,593.00)	183.00	485.00	(229,207,605.00)
10						
11			2,913,590.00	Avg (Lead)Lag Da	195.61	569,931,583.00
12						
13						
14						
15						
16						
North Dakota						
Line No.	(1) Payment Date	End of Service Period	(1) Amount	(2) Average Service Period	Total Lag Days	\$ Lag Days
17						
18						
19						
20	03/16/20	12/31/20	-	183.00	(107.00)	-
21						
22	06/15/20	12/31/20	-	183.00	(16.00)	-
23						
24	10/15/20	12/31/20	-	183.00	106.00	-
25						
26	02/22/21	12/31/20	-	183.00	236.00	-
27						
28	10/29/21	12/31/20	-	183.00	485.00	-
29						
30			-	Avg (Lead)Lag Da	-	-
31						
32						
33						
Minnesota						
Line No.	(1) Payment Date	End of Service Period	(1) Amount	(2) Average Service Period	Total Lag Days	\$ Lag Days
34						
35						
36						
37						
38	03/16/20	12/31/20	-	183.00	(107.00)	-
39						
40	06/15/20	12/31/20	-	183.00	(16.00)	-
41						
42	10/15/20	12/31/20	-	183.00	106.00	-
43						
44	02/22/21	12/31/20	1,677,089.00	183.00	236.00	395,793,004.00
45						
46	10/29/21	12/31/20	(494,510.00)	183.00	485.00	(239,837,350.00)
47						
48			1,182,579.00	Avg (Lead)Lag Da	131.88	155,955,654.00

%s and dates per Tax Department

Note: There are no estimated payments made throughout the year. Instead, OTP waits until more final information is available at the end of the year and a payment is made in February of the following year. When the tax return is completed in October, one true-up transfer is made to OTC.

- (1) Per GL Fire; forecasted data for October 2021 final true-up.
- (2) Due to tax liability being incurred over the full year, the avg service period the annual tax liability is incurred is calculated as follows: 365/2

Otter Tail Power Company
Lead/Lag Study
State Income Tax Average Lag Calculation

	(A)	(B)	(C)	(D)
Line No.		(1) 2020 Income Tax	(1) Lag Days	\$ Lag Days
1	MN State Income Tax	1,182,579.00	131.88	155,955,654.00
2	ND State Income Tax	-	-	-
3	Average State Lag	1,182,579.00	131.88	155,955,654.00

(1) Per Income Tax Summary Page. See Page 1.

Otter Tail Power Company
Working Capital Analysis
Actual 2020
Tax Collections Available

Line No.	(A) Description	(B) Amount	(C) Available Days	(D) \$ Available Days
1	Employee FICA	5,271,004.21 (6)	0.00 @	\$0.00
2	Employee Federal Withholdi	8,214,414.98 (6)	0.00 @	0.00
3	Employee State Withholding			
4	Minnesota	2,041,250.66 (3)	2.13 (1)	4,350,738.75
5	North Dakota	250,393.00 (3)	61.23 (2)	15,331,616.00
6	Nonresidential	0.00 (7)	0.00 (7)	0.00
7		<u>15,777,062.85</u>	<u>1.25</u>	<u>19,682,354.75</u>
8				
9	Customer Sales Tax			
10	Minnesota	10,264,052.00 (4)	12.53 (4)	128,638,156.47 (4)
11	North Dakota	7,479,619.74 (4)	13.84 (4)	103,484,232.97 (4)
12	South Dakota	2,811,893.60 (4)	13.85 (4)	38,944,723.41 (4)
13		<u>20,555,565.34</u>	<u>13.19</u>	<u>271,067,112.85</u>
14				
15	Franchise Taxes			
16	Crookston	372,692.97 (5)	21.96 (5)	8,183,897.34 (5)
17	Morris	141,447.46 (5)	201.08 (5)	28,442,376.44 (5)
18	Bemidji	793,565.63 (5)	21.93 (5)	17,404,414.65 (5)
19	New York Mills	7,197.00 (5)	21.97 (5)	158,098.10 (5)
20	Perham	70,616.63 (5)	21.97 (5)	1,551,773.26 (5)
21	Rothsay	7,752.50 (5)	21.98 (5)	170,436.07 (5)
22	Total MN	<u>1,393,272.19</u>	<u>40.13</u>	<u>55,910,995.87</u>
23				
24	McVillie	14,016.00 (5)	21.98 (5)	4,809,649.01 (5)
25	Wahpeton	221,271.07 (5)	21.74 (5)	308,071.73 (5)
26	Edgeley	8,794.46 (5)	21.98 (5)	191,850.81 (5)
27	Rugby	57,534.00 (5)	21.81 (5)	1,264,266.16 (5)
28	Jud	1,184.89 (5)	21.97 (5)	25,901.63 (5)
29	Total ND	<u>302,800.42</u>	<u>21.80</u>	<u>6,599,739.35</u>
30				
31	Total Franchise Taxes	<u>1,696,072.61</u>	<u>36.86</u>	<u>62,510,735.22</u>
32				
33	Total SD Gross Receipts Tax	<u>60,192.85</u>	<u>350.78 (8)</u>	<u>21,114,309.44</u>
34				
35	Total	38,088,893.65		374,374,512.26

@ Note: FICA and Federal W/H are due the 1st banking day after pay day, however they are always ACH'd the same day as pay day resulting in zero lead time so no further analysis is needed.

- (1) Days of available balances until days after payday = 1.96. Deposit is ACH'd to the bank on the day after payday for normal paydays and varies for offcycle paydates. See payroll period analyses attached, Page 4.
- (2) Quarterly payment must be made by the end of the following month. The number of days available balances = the quarterly tax payment lag days. See payroll tax analysis attached, Page 2.
- (3) See Payroll Tax Detail Analysis Attached, Page 2.
- (4) See Sales Tax Analysis Attached, Page 18.
- (5) See Franchise Tax Analysis Attached, Page 5.
- (6) Per Payroll Detail spreadsheet received. See Page 3.
- (7) No nonresidential withholdings in 2020 to analyze.
- (8) See SD Gross Receipts Tax Analysis. Page 23.

Note: Did not formally analyze account 2275.2310 SD Contractors excise tax; total activity was only (\$271.41).

(A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L)

(1)												
Line No.	North Dakota Analysis - per GLED summary report - see detail attached											
Account 2275.1200												
	1st Quarter			2nd Quarter			3rd Quarter			4th Quarter		
1	01/15/20	9,104.00	910,400.00	04/14/20	129.00	13,029.00	07/15/20	9,175.00	917,500.00	10/15/20	8,754.00	901,662.00
2	01/15/20	0.00	0.00	04/15/20	8,533.00	853,300.00	07/31/20	11,830.00	993,720.00	10/15/20	0.00	0.00
3	01/31/20	10,718.00	900,312.00	04/15/20	0.00	0.00	08/14/20	10,251.00	717,570.00	10/30/20	11,271.00	991,848.00
4	02/12/20	0.00	0.00	04/30/20	10,480.00	890,800.00	08/14/20	127.00	8,890.00	11/13/20	9,284.00	687,016.00
5	02/14/20	9,143.00	640,010.00	04/30/20	279.00	23,715.00	08/31/20	10,355.00	548,815.00	11/13/20	54.00	3,996.00
6	02/14/20	0.00	0.00	05/15/20	8,521.00	596,470.00	09/15/20	9,261.00	351,918.00	11/30/20	12,122.00	690,954.00
7	02/19/20	0.00	0.00	05/29/20	10,959.00	613,704.00	09/30/20	11,003.00	253,069.00	11/30/20	94.00	5,358.00
8	02/21/20	2,919.00	183,897.00	06/15/20	9,007.00	351,273.00	09/30/20	0.00	0.00	12/15/20	9,184.00	385,728.00
9	02/21/20	366.00	23,058.00	06/15/20	0.00	0.00				12/15/20	187.00	7,854.00
10	02/28/20	10,055.00	563,080.00	06/30/20	13,768.00	330,432.00				12/31/20	14,471.00	376,246.00
11	03/13/20	7,792.00	327,264.00							12/31/20	0.00	0.00
12	03/25/20	0.00	0.00									
13	03/31/20	11,197.00	268,728.00									
14	03/31/20	0.00	0.00									
15												
16												
17	04/24/20	61,294.00	3,816,749.00	07/24/20	61,676.00	3,672,723.00	10/23/20	62,002.00	3,791,482.00	01/26/21	65,421.00	4,050,662.00
18	(2)	62.27		(2)	59.5		(2)	61.2		(2)	61.9	
19												
20	Sum of Days	61.22										
21												
22	Total \$	250,393.00	\$ -									
23	\$ Days	15,331,616.00										
24												
25	Available Days	61.23										
26												
27	Dates are A/P entry dates not actual paid dates for accounts 241.5, 241.2, 241.6											
28	(1)											
29	Account 2275.1100											
30	State of MN W/H											
31	01/15/20	38,900.15										
32	01/15/20	5,667.74										
33	01/31/20	113,425.70										
34	02/12/20	10,184.49										
35	02/14/20	40,442.69										
36	02/14/20	975.05										
37	02/19/20	13,317.88										
38	02/21/20	46,173.39										
39	02/21/20	31,179.68										
40	02/28/20	113,236.33										
41	03/13/20	38,572.04										
42	03/25/20	6,777.00										
43	03/31/20	109,883.75										
44	03/31/20	219.40										
45	04/14/20	8,753.00										
46	04/15/20	38,007.28										
47	04/15/20	619.39										
48	04/30/20	109,486.13										
49	04/30/20	5,908.74										
50	05/15/20	37,692.16										
51	05/29/20	109,918.39										
52	06/15/20	38,519.66										
53	06/15/20	1,870.41										
54	06/30/20	125,032.33										
55	07/15/20	40,369.40										
56	07/31/20	114,549.20										
57	08/14/20	43,508.15										
58	08/14/20	2,681.36										
59	08/31/20	111,789.90										
60	09/15/20	42,438.07										
61	09/30/20	109,594.86										
62	09/30/20	97.50										
63	10/15/20	40,332.21										
64	10/15/20	48.75										
65	10/30/20	114,891.20										
66	11/13/20	41,760.20										
67	11/13/20	97.50										
68	11/30/20	139,177.16										
69	11/30/20	2,657.01										
70	12/15/20	40,621.70										
71	12/15/20	13,153.65										
72	12/31/20	136,182.75										
73	12/31/20	2,537.31										
74												
75		2,041,250.66										
76		\$ -										

Account 2275.5000				
withhold	paid	w/h amt	paid amt	\$Days
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
0.00	0.00	0.00	0.00	0.00

(1) Per spreadsheet received from Payroll W/H detail. See Page 3.
(2) Per GL Fire query of Account 2275.1200

**Otter Tail Power Company
 Payroll Withholding
 For the Calendar Year 2020**

Line No.	(A)	(B)	(C)	(D)	
1		<u>OASDI (6.20%)</u>	<u>MEDHI (1.45%)</u>		
2	First Quarter	1,129,336.10	279,723.61		
3	Second Quarter	1,038,269.61	247,280.98		
4	Third Quarter	1,008,404.97	244,005.25		
5	Fourth Quarter	1,057,485.37	266,498.32		
6		<u>4,233,496.05</u>	<u>1,037,508.16</u>		
7					
8	<u>Day of Week</u>	<u>Pay Date</u>	<u>MN Withholding</u>	<u>ND Withholding</u>	
9				<u>Reg Run or Off-cycle Run</u>	
10	Wed	1/15/2020	38,900.15	9,104.00	Reg
11		1/31/2020	5,667.74		Off-cycle
12	Wed	2/12/2020	113,425.70	10,718.00	Reg
13		2/14/2020	10,184.49		Off-cycle
14	Fri	2/14/2020	40,442.69	9,143.00	Reg
15	Wed	2/19/2020	975.05		Off-cycle
16	Fri	2/21/2020	13,317.88		Off-cycle
17	Fri	2/21/2020	46,173.39	2,919.00	KPA
18		2/28/2020	31,179.68	366.00	MIP
19		3/13/2020	113,236.33	10,055.00	Reg
20	Wed	3/25/2020	38,572.04	7,792.00	Reg
21		3/31/2020	6,777.00	-	Off-cycle
22	Tues	3/31/2020	109,883.75	11,197.00	Reg
23	Tues	4/14/2020	219.40	-	Off-cycle
24		4/15/2020	8,753.00	129.00	Off-cycle
25	Wed	4/15/2020	38,007.28	8,533.00	Reg
26		4/30/2020	619.39	-	Off-cycle
27	Thurs	4/30/2020	109,486.13	10,480.00	Reg
28		5/15/2020	5,908.74	279.00	Off-cycle
29		5/29/2020	37,692.16	8,521.00	Reg
30		5/29/2020	109,918.39	10,959.00	Reg
31	Mon	6/15/2020	38,519.66	9,007.00	Reg
32		6/30/2020	1,870.41	-	Off-cycle
33		7/15/2020	125,032.33	13,768.00	Reg
34		7/31/2020	40,369.40	9,175.00	Reg
35		8/14/2020	114,549.20	11,830.00	Reg
36	Fri	8/14/2020	43,508.15	10,251.00	Reg
37		8/31/2020	2,681.36	127.00	Off-cycle
38		8/31/2020	111,789.90	10,355.00	Reg
39		9/15/2020	42,438.07	9,261.00	Reg
40	Wed	9/30/2020	109,594.86	11,003.00	Reg
41		9/30/2020	97.50	-	Off-cycle
42	Thurs	10/15/2020	40,332.21	8,754.00	Reg
43		10/15/2020	48.75	-	Off-cycle
44		10/30/2020	114,891.20	11,271.00	Reg
45	Fri	11/13/2020	41,760.20	9,284.00	Reg
46		11/13/2020	97.50	54.00	Off-cycle
47	Mon	11/30/2020	139,177.16	12,122.00	Reg
48		11/30/2020	2,657.01	94.00	Off-cycle
49	Tues	12/15/2020	40,621.70	9,184.00	Reg
50		12/15/2020	13,153.65	187.00	Off-cycle
51	Thurs	12/31/2020	136,182.75	14,471.00	Reg
52		12/31/2020	2,537.31	-	Off-cycle
53		Totals	\$ 2,041,250.66	\$ 250,393.00	
54					
55					
56		Total Federal withholding for 2020		\$ 8,214,414.98	

**Otter Tail Power Company
Working Capital Analysis
State of Minnesota
Actual 2020**

(A) (B) (C) (D) (E) (F) (G) (H) (I) (J)

Pay Periods (2)

Line No.	Month	Mid Month		End of Month		
		Pay Day	(1)		(1)	
			Days 1st Banking Day is After Pay Day	Days 1st Banking Day is After Pay Day	Days 1st Banking Day is After Pay Day	Days 1st Banking Day is After Pay Day
1	Jan	Wed	1	Fri	3	
2	Feb	Fri	3	Fri	3	
3	Mar	Fri	3	Tues	1	
4	Apr	Wed	1	Thur	1	
5	May	Fri	3	Fri	3	
6	Jun	Mon	1	Tues	1	
7	Jul	Wed	1	Fri	3	
8	Aug	Fri	3	Mon	1	
9	Sep	Tues	1	Wed	1	
10	Oct	Thur	1	Fri	3	
11	Nov	Fri	3	Mon	1	
12	Dec	Tues	1	Thur	4	
13	Total		22		25	
14	Average		1.83		2.08	
15						
16	Normal Payday Avg		1.96	Days		
17						
18	Normal Payday Withholding Amount (3)			1,884,176.41		
19	Avg Lead Days			1.96		
20	\$ Available Days			3,689,845.47		

Off-cycle Payday Withholdings			(3)		
	Pay Day	(1)		Amount Withheld	\$ Available Days
		Days ACH'd After Pay	Days ACH'd After Pay		
	Mon	3		4,621.42	13,864.26
	Tues	2		22,442.05	44,884.10
	Wed	6		36,664.00	219,984.00
	Thurs	5		8,773.80	43,869.00
	Fri	4		84,572.98	338,291.92
Total		20		157,074.25	660,893.28
Average Days		4.21			
			Amount	\$ Available	
Offcycle Payday Withholding			157,074.25	660,893.28	
Normal Payday Withholding			1,884,176.41	3,689,845.47	
			2,041,250.66	4,350,738.75	
Overall Average		2.13	Days		

Note: FICA and Federal W/H are due the 1st banking day after pay day, however they are always ACH'd the same day as pay day resulting in zero lead time so no further analysis is needed.

Note: Per Payroll Accountant, offcycle payperiod withholdings for the State of MN are ACH'd according to the following schedule. Checks paid on Wed, Thurs or Fri are ACH'd the following Tues and checks paid on Sat, Sun, Mon or Tues are ACH'd on Thurs. The only exception to this rule is if total payroll for an off-cycle pay period goes over \$100,000 then it is ACH'd the day after it is paid.

- (1) State W/H is due the 2nd banking day after each pay day, however they are always ACH'd the 1st banking day after pay day.
- (2) Payrolls are paid midmonth (15th) and end of month (last day). If these days fall on a weekend the payday is the preceding Friday.
- (3) Per Payroll Detail W/H spreadsheet received. See Page 3.

Source: Analysis of 2020 calendar

**Otter Tail Power Company
 Lead Lag Study
 Summary of Franchise Tax Available Days**

(A)	(B)	(C)	(D)	
Line No.	Customer Sales Tax	(1) Amount	(1) Available	Dollar Days
1	Crookston	372,693	21.96	8,183,897
2	Morris	141,447	201.08	28,442,376
3	Bemidji	793,566	21.93	17,404,415
4	New York Mills	7,197	21.97	158,098
5	Perham	70,617	21.97	1,551,773
6	Rothsay	7,753	21.98	170,436
7	Wahpeton	221,271	21.74	4,809,649
8	McVille	14,016	21.98	308,072
9	Edgeley	8,794	21.81	191,851
10	Rugby	57,534	21.97	1,264,266
11	Jud	1,185	21.86	25,902
12		1,696,073	36.86	62,510,735

(1) See Separate Analysis Workpapers, Pages 6 - 16.

**Otter Tail Power Company
 Lead Lag Study
 Crookston Franchise Tax Days Available**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Month	(1) Amount	(2) Date Paid	For Period Ending	Tax Payment Days	Revenue Lead Days	(3) Collection Lead Days	Days Available Balances	Dollar Days
1	January	38,652.62	02/18/20	01/31/20	18.00	15.50	19.56	13.94	538,986.28
2	February	36,862.05	03/30/20	02/29/20	30.00	14.00	19.56	24.44	901,069.44
3	March	35,128.24	05/01/20	03/31/20	31.00	15.50	19.56	26.94	946,508.16
4	April	32,132.77	05/20/20	04/30/20	20.00	15.00	19.56	15.44	496,270.26
5	May	25,130.72	06/29/20	05/31/20	29.00	15.50	19.56	24.94	626,869.88
6	June	18,000.23	07/27/20	06/30/20	27.00	15.00	19.56	22.44	404,003.75
7	July	38,142.22	08/21/20	07/31/20	21.00	15.50	19.56	16.94	646,295.74
8	August	36,365.94	09/29/20	08/31/20	29.00	15.50	19.56	24.94	907,125.32
9	September	32,442.86	10/26/20	09/30/20	26.00	15.00	19.56	21.44	695,716.57
10	October	20,169.18	11/18/20	10/31/20	18.00	15.50	19.56	13.94	281,246.43
11	November	28,989.22	01/04/21	11/30/20	35.00	15.00	19.56	30.44	882,558.43
12	December	30,676.92	02/01/21	12/31/20	32.00	15.50	19.56	27.94	857,247.08
13		372,692.97						21.96	8,183,897.34

Note: Monthly tax payments are due on the 15th of the month following collection.

- (1) Per spreadsheet received from Financial Reporting. See Page 17.
- (2) Per GL Fire Payment History
- (3) Date of Svc-to-Pmt Days Analysis.xlsx

**Otter Tail Power Company
 Lead Lag Study
 Morris Franchise Tax Days Available**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Month	(1) Amount	(2) Date Paid	For Period Ending	Tax Payment Days	Revenue Lead Days	(3) Collection Lead Days	Days Available Balances	Dollar Days
1	January	13,535.21	02/01/21	01/31/20	367.00	15.50	19.56	362.94	4,912,528.21
2	February	13,062.73	02/01/21	02/29/20	338.00	14.00	19.56	332.44	4,342,630.99
3	March	12,594.26	02/01/21	03/31/20	307.00	15.50	19.56	302.94	3,815,360.11
4	April	11,728.10	02/01/21	04/30/20	277.00	15.00	19.56	272.44	3,195,254.77
5	May	10,252.38	02/01/21	05/31/20	246.00	15.50	19.56	241.94	2,480,505.58
6	June	9,120.33	02/01/21	06/30/20	216.00	15.00	19.56	211.44	1,928,442.40
7	July	13,444.08	02/01/21	07/31/20	185.00	15.50	19.56	180.94	2,432,630.53
8	August	13,461.71	02/01/21	08/31/20	154.00	15.50	19.56	149.94	2,018,507.57
9	September	12,901.31	02/01/21	09/30/20	124.00	15.00	19.56	119.44	1,540,988.79
10	October	9,613.42	02/01/21	10/31/20	93.00	15.50	19.56	88.94	855,059.55
11	November	10,266.46	02/01/21	11/30/20	63.00	15.00	19.56	58.44	600,016.75
12	December	11,467.47	02/01/21	12/31/20	32.00	15.50	19.56	27.94	320,451.18
13		141,447.46						201.08	28,442,376.44

Note: Franchise tax payments are due on Feb 1st of the year following collection.

- (1) Per spreadsheet received from Financial Reporting. See Page 17.
- (2) Per GL Fire Payment History
- (3) Date of Svc-to-Pmt Days Analysis.xlsx

**Otter Tail Power Company
 Lead Lag Study
 Bemidji Franchise Tax Days Available**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Month	(1) Amount	(2) Date Paid	For Period Ending	Tax Payment Days	Revenue Lead Days	(3) Collection Lead Days	Days Available Balances	Dollar Days
1	January	76,996.35	02/18/20	01/31/20	18.00	15.50	19.56	13.94	1,073,665.29
2	February	74,013.38	03/30/20	02/29/20	30.00	14.00	19.56	24.44	1,809,210.15
3	March	72,211.32	05/01/20	03/31/20	31.00	15.50	19.56	26.94	1,945,688.24
4	April	67,282.50	05/20/20	04/30/20	20.00	15.00	19.56	15.44	1,039,135.56
5	May	56,862.36	06/29/20	05/31/20	29.00	15.50	19.56	24.94	1,418,395.52
6	June	46,333.26	07/27/20	06/30/20	27.00	15.00	19.56	22.44	1,039,920.65
7	July	81,211.38	08/21/20	07/31/20	21.00	15.50	19.56	16.94	1,376,075.35
8	August	75,097.20	09/29/20	08/31/20	29.00	15.50	19.56	24.94	1,873,252.05
9	September	71,378.41	10/26/20	09/30/20	26.00	15.00	19.56	21.44	1,530,664.75
10	October	47,493.64	11/18/20	10/31/20	18.00	15.50	19.56	13.94	662,268.70
11	November	60,748.76	01/04/21	11/30/20	35.00	15.00	19.56	30.44	1,849,457.49
12	December	63,937.07	02/01/21	12/31/20	32.00	15.50	19.56	27.94	1,786,680.89
13		793,565.63						21.93	17,404,414.65

Note: Monthly tax payments are due on the 15th of the month following collection.

- (1) Per spreadsheet received from Financial Reporting. See Page 17.
- (2) Per GL Fire Payment History
- (3) Date of Svc-to-Pmt Days Analysis.xlsx

**Otter Tail Power Company
 Lead Lag Study
 New York Mills Franchise Tax Days Available**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Month	(1) Amount	(2) Date Paid	For Period Ending	Tax Payment Days	Revenue Lead Days	(3) Collection Lead Days	Days Available Balances	Dollar Days
1	January	598.00	02/18/20	01/31/20	18.00	15.50	19.56	13.94	8,338.73
2	February	603.00	03/30/20	02/29/20	30.00	14.00	19.56	24.44	14,739.95
3	March	593.00	05/01/20	03/31/20	31.00	15.50	19.56	26.94	15,978.01
4	April	599.00	05/20/20	04/30/20	20.00	15.00	19.56	15.44	9,251.18
5	May	605.00	06/29/20	05/31/20	29.00	15.50	19.56	24.94	15,091.34
6	June	602.00	07/27/20	06/30/20	27.00	15.00	19.56	22.44	13,511.51
7	July	610.00	08/21/20	07/31/20	21.00	15.50	19.56	16.94	10,336.06
8	August	595.00	09/29/20	08/31/20	29.00	15.50	19.56	24.94	14,841.90
9	September	605.00	10/26/20	09/30/20	26.00	15.00	19.56	21.44	12,973.84
10	October	599.00	11/18/20	10/31/20	18.00	15.50	19.56	13.94	8,352.68
11	November	594.00	01/04/21	11/30/20	35.00	15.00	19.56	30.44	18,083.95
12	December	594.00	02/01/21	12/31/20	32.00	15.50	19.56	27.94	16,598.95
13		7,197.00						21.97	158,098.10

Note: Monthly tax payments are due on the 10th of the month following collection.

- (1) Per spreadsheet received from Financial Reporting. See Page 17.
- (2) Per Search on Oracle A/P Display by Vendor and Amount.
- (3) Date of Svc-to-Pmt Days Analysis.xlsx

**Otter Tail Power Company
 Lead Lag Study
 Perham Franchise Tax Days Available**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Month	(1) Amount	(2) Date Paid	For Period Ending	Tax Payment Days	Revenue Lead Days	(3) Collection Lead Days	Days Available Balances	Dollar Days
1	January	5,918.50	02/18/20	01/31/20	18.00	15.50	19.56	13.94	82,529.73
2	February	5,888.50	03/30/20	02/29/20	30.00	14.00	19.56	24.44	143,940.65
3	March	5,861.50	05/01/20	03/31/20	31.00	15.50	19.56	26.94	157,934.40
4	April	5,871.24	05/20/20	04/30/20	20.00	15.00	19.56	15.44	90,677.58
5	May	5,899.13	06/29/20	05/31/20	29.00	15.50	19.56	24.94	147,150.06
6	June	5,868.57	07/27/20	06/30/20	27.00	15.00	19.56	22.44	131,716.33
7	July	5,889.97	08/21/20	07/31/20	21.00	15.50	19.56	16.94	99,801.81
8	August	5,907.36	09/29/20	08/31/20	29.00	15.50	19.56	24.94	147,355.35
9	September	5,891.89	10/26/20	09/30/20	26.00	15.00	19.56	21.44	126,347.85
10	October	5,907.39	11/18/20	10/31/20	18.00	15.50	19.56	13.94	82,374.81
11	November	5,857.63	01/04/21	11/30/20	35.00	15.00	19.56	30.44	178,331.83
12	December	5,854.95	02/01/21	12/31/20	32.00	15.50	19.56	27.94	163,612.87
13		70,616.63						21.97	1,551,773.26

Note: Monthly tax payments are due on the 10th of the month following collection.

- (1) Per spreadsheet received from Financial Reporting. See Page 17.
- (2) Per Search on Oracle A/P Display by Vendor and Amount.
- (3) Date of Svc-to-Pmt Days Analysis.xlsx

**Otter Tail Power Company
 Lead Lag Study
 Rothsay Franchise Tax Days Available**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Month	(1) Amount	(2) Date Paid	For Period Ending	Tax Payment Days	Revenue Lead Days	(3) Collection Lead Days	Days Available Balances	Dollar Days
1	January	651.00	02/18/20	01/31/20	18.00	15.50	19.56	13.94	9,077.78
2	February	647.50	03/30/20	02/29/20	30.00	14.00	19.56	24.44	15,827.73
3	March	647.50	05/01/20	03/31/20	31.00	15.50	19.56	26.94	17,446.48
4	April	644.00	05/20/20	04/30/20	20.00	15.00	19.56	15.44	9,946.17
5	May	644.00	06/29/20	05/31/20	29.00	15.50	19.56	24.94	16,064.17
6	June	645.75	07/27/20	06/30/20	27.00	15.00	19.56	22.44	14,493.45
7	July	644.00	08/21/20	07/31/20	21.00	15.50	19.56	16.94	10,912.17
8	August	649.25	09/29/20	08/31/20	29.00	15.50	19.56	24.94	16,195.13
9	September	640.50	10/26/20	09/30/20	26.00	15.00	19.56	21.44	13,735.12
10	October	647.50	11/18/20	10/31/20	18.00	15.50	19.56	13.94	9,028.98
11	November	647.50	01/04/21	11/30/20	35.00	15.00	19.56	30.44	19,712.73
12	December	644.00	02/01/21	12/31/20	32.00	15.50	19.56	27.94	17,996.17
13		7,752.50						21.98	170,436.07

Note: Monthly tax payments are due within the first 15 days of the month following collection.

- (1) Per spreadsheet received from Financial Reporting. See Page 17.
- (2) Per Search on Oracle A/P Display by Vendor and Amount.
- (3) Date of Svc-to-Pmt Days Analysis.xlsx

**Otter Tail Power Company
 Lead Lag Study
 Wahpeton Franchise Tax Days Available**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Month	(1) Amount	(2) Date Paid	For Period Ending	Tax Payment Days	Revenue Lead Days	(3) Collection Lead Days	Days Available Balances	Dollar Days
1	January	22,036.94	02/18/20	01/31/20	18.00	15.50	19.56	13.94	307,291.16
2	February	19,176.42	03/30/20	02/29/20	30.00	14.00	19.56	24.44	468,755.43
3	March	18,228.01	05/01/20	03/31/20	31.00	15.50	19.56	26.94	491,142.17
4	April	16,212.23	05/20/20	04/30/20	20.00	15.00	19.56	15.44	250,387.61
5	May	14,465.06	06/29/20	05/31/20	29.00	15.50	19.56	24.94	360,821.75
6	June	16,381.27	07/27/20	06/30/20	27.00	15.00	19.56	22.44	367,667.22
7	July	21,428.95	08/21/20	07/31/20	21.00	15.50	19.56	16.94	363,099.97
8	August	21,885.91	09/29/20	08/31/20	29.00	15.50	19.56	24.94	545,930.15
9	September	21,103.24	10/26/20	09/30/20	26.00	15.00	19.56	21.44	452,545.60
10	October	17,424.00	11/18/20	10/31/20	18.00	15.50	19.56	13.94	242,966.63
11	November	15,544.06	01/04/21	11/30/20	35.00	15.00	19.56	30.44	473,229.05
12	December	17,384.98	02/01/21	12/31/20	32.00	15.50	19.56	27.94	485,812.25
13		221,271.07						21.74	4,809,649.01

Note: Monthly tax payments are due on the 7th of the month following collection.

- (1) Per spreadsheet received from Financial Reporting. See Page 17.
- (2) Per Search on Oracle A/P Display by Vendor and Amount.
- (3) Date of Svc-to-Pmt Days Analysis.xlsx

**Otter Tail Power Company
 Lead Lag Study
 McVile Franchise Tax Days Available**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Month	(1) Amount	(2) Date Paid	For Period Ending	Tax Payment Days	Revenue Lead Days	(3) Collection Lead Days	Days Available Balances	Dollar Days
1	January	1,182.00	02/18/20	01/31/20	18.00	15.50	19.56	13.94	16,482.24
2	February	1,176.00	03/30/20	02/29/20	30.00	14.00	19.56	24.44	28,746.57
3	March	1,170.00	05/01/20	03/31/20	31.00	15.50	19.56	26.94	31,524.91
4	April	1,170.00	05/20/20	04/30/20	20.00	15.00	19.56	15.44	18,069.91
5	May	1,167.00	06/29/20	05/31/20	29.00	15.50	19.56	24.94	29,110.08
6	June	1,161.00	07/27/20	06/30/20	27.00	15.00	19.56	22.44	26,057.91
7	July	1,164.00	08/21/20	07/31/20	21.00	15.50	19.56	16.94	19,723.24
8	August	1,161.00	09/29/20	08/31/20	29.00	15.50	19.56	24.94	28,960.41
9	September	1,167.00	10/26/20	09/30/20	26.00	15.00	19.56	21.44	25,025.58
10	October	1,164.00	11/18/20	10/31/20	18.00	15.50	19.56	13.94	16,231.24
11	November	1,167.00	01/04/21	11/30/20	35.00	15.00	19.56	30.44	35,528.58
12	December	1,167.00	02/01/21	12/31/20	32.00	15.50	19.56	27.94	32,611.08
13		14,016.00						21.98	308,071.73

Note: Monthly tax payments are due on the 10th of the month following collection.

- (1) Per spreadsheet received from Financial Reporting. See Page 17.
- (2) Per Search on Oracle A/P Display by Vendor and Amount.
- (3) Date of Svc-to-Pmt Days Analysis.xlsx

**Otter Tail Power Company
 Lead Lag Study
 Edgeley Franchise Tax Days Available**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Month	(1) Amount	(2) Date Paid	For Period Ending	Tax Payment Days	Revenue Lead Days	(3) Collection Lead Days	Days Available Balances	Dollar Days
1	January	1,197.76	02/18/20	01/31/20	18.00	15.50	19.56	13.94	16,702.00
2	February	972.94	03/30/20	02/29/20	30.00	14.00	19.56	24.44	23,782.90
3	March	889.80	05/01/20	03/31/20	31.00	15.50	19.56	26.94	23,975.10
4	April	884.01	05/20/20	04/30/20	20.00	15.00	19.56	15.44	13,652.97
5	May	585.77	06/29/20	05/31/20	29.00	15.50	19.56	24.94	14,611.66
6	June	513.69	07/27/20	06/30/20	27.00	15.00	19.56	22.44	11,529.45
7	July	533.26	08/21/20	07/31/20	21.00	15.50	19.56	16.94	9,035.75
8	August	604.02	09/29/20	08/31/20	29.00	15.50	19.56	24.94	15,066.90
9	September	636.86	10/26/20	09/30/20	26.00	15.00	19.56	21.44	13,657.06
10	October	493.95	11/18/20	10/31/20	18.00	15.50	19.56	13.94	6,887.82
11	November	609.79	01/04/21	11/30/20	35.00	15.00	19.56	30.44	18,564.67
12	December	872.61	02/01/21	12/31/20	32.00	15.50	19.56	27.94	24,384.53
13		8,794.46						21.81	191,850.81

Note: Monthly tax payments are due on the 10th of the month following collection.

- (1) Per spreadsheet received from Financial Reporting. See Page 17.
- (2) Per Search on Oracle A/P Display by Vendor and Amount.
- (3) Date of Svc-to-Pmt Days Analysis.xlsx

**Otter Tail Power Company
 Lead Lag Study
 Rugby Franchise Tax Days Available**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Month	(1) Amount	(2) Date Paid	For Period Ending	Tax Payment Days	Revenue Lead Days	(3) Collection Lead Days	Days Available Balances	Dollar Days
1	January	4,810.00	02/18/20	01/31/20	18.00	15.50	19.56	13.94	67,072.40
2	February	4,790.00	03/30/20	02/29/20	30.00	14.00	19.56	24.44	117,088.51
3	March	4,786.00	05/01/20	03/31/20	31.00	15.50	19.56	26.94	128,955.74
4	April	4,794.00	05/20/20	04/30/20	20.00	15.00	19.56	15.44	74,040.29
5	May	4,786.00	06/29/20	05/31/20	29.00	15.50	19.56	24.94	119,383.74
6	June	4,796.00	07/27/20	06/30/20	27.00	15.00	19.56	22.44	107,643.18
7	July	4,822.00	08/21/20	07/31/20	21.00	15.50	19.56	16.94	81,705.73
8	August	4,810.00	09/29/20	08/31/20	29.00	15.50	19.56	24.94	119,982.40
9	September	4,804.00	10/26/20	09/30/20	26.00	15.00	19.56	21.44	103,018.73
10	October	4,800.00	11/18/20	10/31/20	18.00	15.50	19.56	13.94	66,932.96
11	November	4,786.00	01/04/21	11/30/20	35.00	15.00	19.56	30.44	145,706.74
12	December	4,750.00	02/01/21	12/31/20	32.00	15.50	19.56	27.94	132,735.74
13		57,534.00						21.97	1,264,266.16

Note: Monthly tax payments are due on the 10th of the month following collection.

- (1) Per spreadsheet received from Financial Reporting. See Page 17.
- (2) Per Search on Oracle A/P Display by Vendor and Amount.
- (3) Date of Svc-to-Pmt Days Analysis.xlsx

**Otter Tail Power Company
 Lead Lag Study
 Jud Franchise Tax Days Available**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Month	(1) Amount	(2) Date Paid	For Period Ending	Tax Payment Days	Revenue Lead Days	(3) Collection Lead Days	Days Available Balances	Dollar Days
1	January	135.76	02/18/20	01/31/20	18.00	15.50	19.56	13.94	1,893.09
2	February	123.88	03/30/20	02/29/20	30.00	14.00	19.56	24.44	3,028.17
3	March	96.40	05/01/20	03/31/20	31.00	15.50	19.56	26.94	2,597.44
4	April	106.83	05/20/20	04/30/20	20.00	15.00	19.56	15.44	1,649.92
5	May	88.58	06/29/20	05/31/20	29.00	15.50	19.56	24.94	2,209.57
6	June	74.20	07/27/20	06/30/20	27.00	15.00	19.56	22.44	1,665.37
7	July	91.87	08/21/20	07/31/20	21.00	15.50	19.56	16.94	1,556.68
8	August	109.96	09/29/20	08/31/20	29.00	15.50	19.56	24.94	2,742.88
9	September	90.48	10/26/20	09/30/20	26.00	15.00	19.56	21.44	1,940.29
10	October	79.36	11/18/20	10/31/20	18.00	15.50	19.56	13.94	1,106.62
11	November	108.03	01/04/21	11/30/20	35.00	15.00	19.56	30.44	3,288.90
12	December	79.54	02/01/21	12/31/20	32.00	15.50	19.56	27.94	2,222.69
13		1,184.89						21.86	25,901.63

Note: Monthly tax payments are due on the 10th of the month following collection.

- (1) Per spreadsheet received from Financial Reporting. See Page 17.
- (2) Per Search on Oracle A/P Display by Vendor and Amount.
- (3) Date of Svc-to-Pmt Days Analysis.xlsx

Otter Tail Power Company
Lead Lag Study
2020 Franchise Tax Collections

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
	Crookston Franchise Tax Collected			Morris Franchise Tax Collected			Wahpeton Franchise Tax Collected		
Line No.	2020	Amount Collected A/C	YTD	2020	Amount Collected A/C	YTD	2020	Amount Collected A/C	YTD
1	Jan	38,652.62	38,652.62	Jan	13,535.21	13,535.21	Jan	22,036.94	22,036.94
2	Feb	36,862.05	75,514.67	Feb	13,062.73	26,597.94	Feb	19,176.42	41,213.36
3	March	35,128.24	110,642.91	March	12,594.26	39,192.20	March	18,228.01	59,441.37
4	April	32,132.77	142,775.68	April	11,728.10	50,920.30	April	16,212.23	75,653.60
5	May	25,130.72	167,906.40	May	10,252.38	61,172.68	May	14,465.06	90,118.66
6	June	18,000.23	185,906.63	June	9,120.33	70,293.01	June	16,381.27	106,499.93
7	July	38,142.22	224,048.85	July	13,444.08	83,737.09	July	21,428.95	127,928.88
8	Aug	36,365.94	260,414.79	Aug	13,461.71	97,198.80	Aug	21,885.91	149,814.79
9	Sept	32,442.86	292,857.65	Sept	12,901.31	110,100.11	Sept	21,103.24	170,918.03
10	Oct	20,169.18	313,026.83	Oct	9,613.42	119,713.53	Oct	17,424.00	188,342.03
11	Nov	28,989.22	342,016.05	Nov	10,266.46	129,979.99	Nov	15,544.06	203,886.09
12	Dec	30,676.92	372,692.97	Dec	11,467.47	141,447.46	Dec	17,384.98	221,271.07
13		<u>372,692.97</u>			<u>141,447.46</u>			<u>221,271.07</u>	
14									
15									
16	Bemidji Franchise Tax Collected			McVie Franchise Tax Collected			New York Mills Franchise Tax Collected		
17	2020	Amount Collected A/C	YTD	2020	Amount Collected A/C	YTD	2020	Amount Collected A/C	YTD
18	Jan	76,996.35	76,996.35	Jan	1,182.00	1,182.00	Jan	598.00	598.00
19	Feb	74,013.38	151,009.73	Feb	1,176.00	2,358.00	Feb	603.00	1,201.00
20	March	72,211.32	223,221.05	March	1,170.00	3,528.00	March	593.00	1,794.00
21	April	67,282.50	290,503.55	April	1,170.00	4,698.00	April	599.00	2,393.00
22	May	56,862.36	347,365.91	May	1,167.00	5,865.00	May	605.00	2,998.00
23	June	46,333.26	393,699.17	June	1,161.00	7,026.00	June	602.00	3,600.00
24	July	81,211.38	474,910.55	July	1,164.00	8,190.00	July	610.00	4,210.00
25	Aug	75,097.20	550,007.75	Aug	1,161.00	9,351.00	Aug	595.00	4,805.00
26	Sept	71,378.41	621,386.16	Sept	1,167.00	10,518.00	Sept	605.00	5,410.00
27	Oct	47,493.64	668,879.80	Oct	1,164.00	11,682.00	Oct	599.00	6,009.00
28	Nov	60,748.76	729,628.56	Nov	1,167.00	12,849.00	Nov	594.00	6,603.00
29	Dec	63,937.07	793,565.63	Dec	1,167.00	14,016.00	Dec	594.00	7,197.00
30		<u>793,565.63</u>			<u>14,016.00</u>			<u>7,197.00</u>	
31									
32									
33									
34									
35	Perham Franchise Tax Collected			Edgeley Franchise Tax Collected			Rugby Franchise Tax Collected		
36	2020	Amount Collected A/C	YTD	2020	Amount Collected A/C	YTD	2020	Amount Collected A/C	YTD
37	Jan	5,918.50	5,918.50	Jan	1,197.76	1,197.76	Jan	4,810.00	4,810.00
38	Feb	5,888.50	11,807.00	Feb	972.94	2,170.70	Feb	4,790.00	9,600.00
39	March	5,861.50	17,668.50	March	889.80	3,060.50	March	4,786.00	14,386.00
40	April	5,871.24	23,539.74	April	884.01	3,944.51	April	4,794.00	19,180.00
41	May	5,899.13	29,438.87	May	585.77	4,530.28	May	4,786.00	23,966.00
42	June	5,868.57	35,307.44	June	513.69	5,043.97	June	4,796.00	28,762.00
43	July	5,889.97	41,197.41	July	533.26	5,577.23	July	4,822.00	33,584.00
44	Aug	5,907.36	47,104.77	Aug	604.02	6,181.25	Aug	4,810.00	38,394.00
45	Sept	5,891.89	52,996.66	Sept	636.86	6,818.11	Sept	4,804.00	43,198.00
46	Oct	5,907.39	58,904.05	Oct	493.95	7,312.06	Oct	4,800.00	47,998.00
47	Nov	5,857.63	64,761.68	Nov	609.79	7,921.85	Nov	4,786.00	52,784.00
48	Dec	5,854.95	70,616.63	Dec	872.61	8,794.46	Dec	4,750.00	57,534.00
49		<u>70,616.63</u>			<u>8,794.46</u>			<u>57,534.00</u>	
50									
51									
52									
53									
54	Jud Franchise Tax Collected			Rothsay Franchise Tax Collected					
55	2020	Amount Collected A/C	YTD	2020	Amount Collected A/C	YTD			
56	Jan	135.76	135.76	Jan	651.00	651.00			
57	Feb	123.88	259.64	Feb	647.50	1,298.50			
58	March	96.40	356.04	March	647.50	1,946.00			
59	April	106.83	462.87	April	644.00	2,590.00			
60	May	88.58	551.45	May	644.00	3,234.00			
61	June	74.20	625.65	June	645.75	3,879.75			
62	July	91.87	717.52	July	644.00	4,523.75			
63	Aug	109.96	827.48	Aug	649.25	5,173.00			
64	Sept	90.48	917.96	Sept	640.50	5,813.50			
65	Oct	79.36	997.32	Oct	647.50	6,461.00			
66	Nov	108.03	1,105.35	Nov	647.50	7,108.50			
67	Dec	79.54	1,184.89	Dec	644.00	7,752.50			
68		<u>1,184.89</u>			<u>7,752.50</u>				
69									
70									
71									

Otter Tail Power Company
Lead Lag Study
Summary of Sales Tax Available Days

	(A)	(B)	(C)	(D)	(E)
Line No.	Customer Sales Tax	Account	(1) Amount	(1) Available	Dollar Days
1	Minnesota	2275.2100	10,264,052	12.53	128,638,156
2	North Dakota	2275.2200	7,479,620	13.84	103,484,233
3	South Dakota	2275.2300	2,811,894	13.85	38,944,723
4			20,555,565	13.19	271,067,113

Note: Although OTP collects and remits City sales tax for the 3 states listed above an analysis was not needed as they are remitted at the same time as the state sales tax. The city portions are listed separately on the return so the states can settle up with each respective city. The assumption is that analyzing city sales taxes would not significantly change the lead/lag avg calculated above.

(1) See Separate Analysis Workpapers, Pages 19 - 22.

**Otter Tail Power Company
Lead Lag Study
Minnesota Sales Tax Days Available**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
Line No.	Month	(1) Amount	(1) Amount Paid	Amount Remaining	(1) Date Paid	For Period Ending	Tax Payment Days	Revenue Lead Days	(2) Collection Lead Days	Days Available Balances	Dollar Days
1	January	910,406.00	910,406.00	0.00	02/18/20	01/31/20	18.00	15.50	19.56	13.94	12,695,035
2	February	937,321.00	937,321.00	0.00	03/16/20	02/29/20	16.00	14.50	19.56	10.94	10,258,384
3	March	896,256.00	896,256.00	0.00	04/20/20	03/31/20	20.00	15.50	19.56	15.94	14,290,234
4	April	867,943.00	867,943.00	0.00	05/18/20	04/30/20	18.00	15.00	19.56	13.44	11,668,943
5	May	753,359.00	753,359.00	0.00	06/19/20	05/31/20	19.00	15.50	19.56	14.94	11,258,473
6	June	772,293.00	659,189.00	113,104.00	06/24/20	06/30/20	(6.00)	15.00	19.56	(10.56)	(6,958,158)
7			113,104.00	0.00	08/15/20	06/30/20	46.00	15.00	19.56	41.44	4,687,524
8	July	965,748.00	965,748.00	0.00	08/20/20	07/31/20	20.00	15.50	19.56	15.94	15,398,240
9	August	915,370.00	915,370.00	0.00	09/17/20	08/31/20	17.00	15.50	19.56	12.94	11,848,884
10	September	858,474.00	858,474.00	0.00	10/16/20	09/30/20	16.00	15.00	19.56	11.44	9,824,691
11	October	811,977.00	811,977.00	0.00	11/18/20	10/31/20	18.00	15.50	19.56	13.94	11,322,505
12	November	795,036.00	795,036.00	0.00	12/18/20	11/30/20	18.00	15.00	19.56	13.44	10,688,755
13	December	779,869.00	779,869.00	0.00	01/19/21	12/31/20	19.00	15.50	19.56	14.94	11,654,648
		10,264,052.00	10,264,052.00							12.53	128,638,156

Note: Monthly tax payments are made on the 20th of the following month except for June which is estimated based on any of the following: 1) 85% of the actual June liability; 2) 85% of the May liability or 3) 85% of the average monthly liability for the previous year. The balance is then due at the same time as the July return.

- (1) Per Sales Tax Detail Spreadsheet received from Tax Accountant. See Page 22 of 23
- (2) Date of Svc-to-Pmt Days Analysis.xlsx

**Otter Tail Power Company
 Lead Lag Study
 North Dakota Sales Tax Days Available**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Month	(1) Amount	(1) Date Paid	For Period Ending	(1) Tax Payment Days	Revenue Lead Days	(2) Collection Lead Days	Days Available Balances	Dollar Days
1	January	17,770.82	02/18/20	01/31/20	18.00	15.50	19.56	13.94	247,802.82
2	February	28,818.15	03/16/20	02/29/20	16.00	14.50	19.56	10.94	315,396.38
3	March	23,611.48	04/20/20	03/31/20	20.00	15.50	19.56	15.94	376,470.08
4	April	37,421.05	05/18/20	04/30/20	18.00	15.00	19.56	13.44	503,102.29
5	May	29,006.93	06/19/20	05/31/20	19.00	15.50	19.56	14.94	433,490.18
6	June	281,027.87	07/20/20	06/30/20	20.00	15.00	19.56	15.44	4,340,297.30
7	July	1,928,426.44	08/20/20	07/31/20	20.00	15.50	19.56	15.94	30,747,537.10
8	August	5,034,888.42	09/17/20	08/31/20	17.00	15.50	19.56	12.94	65,173,438.84
9	September	20,431.78	10/16/20	09/30/20	16.00	15.00	19.56	11.44	233,828.77
10	October	35,411.90	11/18/20	10/31/20	18.00	15.50	19.56	13.94	493,796.50
11	November	13,746.26	12/18/20	11/30/20	18.00	15.00	19.56	13.44	184,809.75
12	December	29,058.64	01/19/21	12/31/20	19.00	15.50	19.56	14.94	434,262.95
13		7,479,619.74						13.84	103,484,232.97

Note: North Dakota Sales Taxes are due the last day of the following month.

(1) Per Sales Tax Detail Spreadsheet received from Tax Accountant. See Page 22 of 23

(2) Date of Svc-to-Pmt Days Analysis.xlsx

**Otter Tail Power Company
 Lead Lag Study
 South Dakota Sales Tax Days Available**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Month	(1) Amount	(1) Date Paid	For Period Ending	(1) Tax Payment Days	Revenue Lead Days	(2) Collection Lead Days	Days Available Balances	Dollar Days
1	January	314,139.66	02/18/20	01/31/20	18.00	15.50	19.56	13.94	4,380,478
2	February	310,424.84	03/16/20	02/29/20	16.00	14.50	19.56	10.94	3,397,403
3	March	252,093.25	04/20/20	03/31/20	20.00	15.50	19.56	15.94	4,019,467
4	April	217,878.19	05/18/20	04/30/20	18.00	15.00	19.56	13.44	2,929,234
5	May	198,027.25	06/19/20	05/31/20	19.00	15.50	19.56	14.94	2,959,392
6	June	194,026.80	07/20/20	06/30/20	20.00	15.00	19.56	15.44	2,996,621
7	July	195,454.86	08/20/20	07/31/20	20.00	15.50	19.56	15.94	3,116,404
8	August	188,705.26	09/17/20	08/31/20	17.00	15.50	19.56	12.94	2,442,670
9	September	246,817.45	10/16/20	09/30/20	16.00	15.00	19.56	11.44	2,824,669
10	October	174,884.00	11/18/20	10/31/20	18.00	15.50	19.56	13.94	2,438,647
11	November	215,329.01	12/18/20	11/30/20	18.00	15.00	19.56	13.44	2,894,962
12	December	304,113.03	01/19/21	12/31/20	19.00	15.50	19.56	14.94	4,544,776
13		2,811,893.60						13.85	38,944,723

Note: South Dakota sales taxes are due the 20th of the following month.

(1) Per Sales Tax Detail Spreadsheet received from Tax Accountant. See Page 22 of 23

(2) Date of Svc-to-Pmt Days Analysis.xlsx

**Otter Tail Power Company
 Lead Lag Study
 Sales Tax Detail Info**

(A) (B) (C) (D) (E)

Line No.	Sales Tax Reported/Remitted on Monthly Sales Tax Returns			
	2020	MN	Date Paid	
1	January	\$ 910,406.00	02/18/20	
2	February	937,321.00	03/16/20	
3	March	896,256.00	04/20/20	
4	April	867,943.00	05/18/20	
5	May	753,359.00	06/19/20	
6	June	772,293.00	6/24/20 (\$659,189)& 8/15/20 (\$113,104)	
7	July	965,748.00	08/20/20	
8	August	915,370.00	09/17/20	
9	September	858,474.00	10/16/20	
10	October	811,977.00	11/18/20	
11	November	795,036.00	12/18/20	
12	December	779,869.00	01/19/21	
13		<u>10,264,052.00</u>		
14				
15	2020	ND	Date Paid	
16	January	\$ 17,770.82	02/18/20	
17	February	28,818.15	03/16/20	
18	March	23,611.48	04/20/20	
19	April	37,421.05	05/18/20	
20	May	29,006.93	06/19/20	
21	June	281,027.87	07/20/20	
22	July	1,928,426.44	08/20/20	
23	August	5,034,888.42	09/17/20	
24	September	20,431.78	10/16/20	
25	October	35,411.90	11/18/20	
26	November	13,746.26	12/18/20	
27	December	29,058.64	01/19/21	
28		<u>\$7,479,619.74</u>		
29				
30			Contractors	
31	2020	SD	Excise Tax	Date Paid
32	January	\$ 314,139.66	\$ 123.29	02/18/20
33	February	310,424.84	130.63	03/16/20
34	March	252,093.25	35.26	04/20/20
35	April	217,878.19	203.46	05/18/20
36	May	198,027.25	307.50	06/19/20
37	June	194,026.80	94.09	07/20/20
38	July	195,454.86	7,287.79	08/20/20
39	August	188,705.26	88.61	09/17/20
40	September	246,817.45	156.81	10/16/20
41	October	174,884.00	-	11/18/20
42	November	215,329.01	55.79	12/18/20
43	December	304,113.03	271.41	01/19/21
44		<u>\$2,811,893.60</u>		

**Otter Tail Power Company
Working Capital Analysis
Actual 2020
SD Tax Collections Available**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Item	Total Company	LRE Allocator	South Dakota per Books	Adjustment	Pro Forma Collections	Collections Per Day	Collection Lead Days	Available
1	Employee FICA	5,271,073	9.6633837%	509,364		509,364	1,392	11.74	16,339
2	Federal Withholding	8,044,156	9.6633837%	777,338		777,338	2,124	11.74	24,934
3	South Dakota Sales Tax			2,811,894		2,811,894	7,683	5.40	41,487
4	Total			4,098,595	0	4,098,595			82,760

**Otter Tail Power Company
 Lead Lag Study
 SD Gross Receipts Tax Days Available**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line No.	Month	(1) Amount	(1) Date Paid	For Period Ending	Tax Payment Days	Revenue Lead Days	(2) Collection Lead Days	Days Available Balances	Dollar Days
1	January	5,016.07	07/05/20	01/31/19	521.00	15.50	19.56	516.94	2,593,029.56
2	February	5,016.07	07/05/20	02/28/19	493.00	14.50	19.56	487.94	2,447,563.50
3	March	5,016.07	07/05/20	03/31/19	462.00	15.50	19.56	457.94	2,297,081.38
4	April	5,016.07	07/05/20	04/30/19	432.00	15.00	19.56	427.44	2,144,091.22
5	May	5,016.07	07/05/20	05/31/19	401.00	15.50	19.56	396.94	1,991,101.06
6	June	5,016.07	07/05/20	06/30/19	371.00	15.00	19.56	366.44	1,838,110.90
7	July	5,016.07	07/05/20	07/31/19	340.00	15.50	19.56	335.94	1,685,120.74
8	August	5,016.07	07/05/20	08/31/19	309.00	15.50	19.56	304.94	1,529,622.54
9	September	5,016.07	07/05/20	09/30/19	279.00	15.00	19.56	274.44	1,376,632.38
10	October	5,016.07	07/05/20	10/31/19	248.00	15.50	19.56	243.94	1,223,642.22
11	November	5,016.07	07/05/20	11/30/19	218.00	15.00	19.56	213.44	1,070,652.06
12	December	5,016.07	07/05/20	12/31/19	187.00	15.50	19.56	182.94	917,661.90
13		60,192.85						350.78	21,114,309.44

Note: SD Gross Receipts tax payments are due on July 15th of the year following collection.

- (1) Per email received from Financial Reporting.
- (2) Date of Svc-to-Pmt Days Analysis.xlsx