

#### **SIECA Q3 SUPPLEMENTARY 1:**

Please provide an Excel spreadsheet showing the plant in service and accumulated depreciation amounts for each generation unit listed in SaskPower's response to SIECA Question 4 as well as the plant in service and accumulated depreciation amounts for the Athabasca, Coteau Creek, E.B. Campbell, Island Falls, Nipawin, Centenial and Cypress units.

The sum of the plant in service amounts provided in SaskPower's response should equal the \$8,239.4 million shown on Schedule 2.01 of the <u>2017 Fiscal Test Embedded Cost of Service Study</u>. The sum of the accumulated depreciation amounts provided in SaskPower's response should equal the \$(3,062.5) million shown on Schedule 2.02 of the <u>2017 Fiscal Test Embedded Cost of Service Study</u>.

#### Response:

Description	Acquisition value	Accumulated depreciation	Book value	
Boundary Dam Common	259,345,732.04	(114,698,218.85)	144,647,513.19	
Boundary Dam Unit #1	4,896,575.38	(3,773,038.16)	1,123,537.22	
Boundary Dam Unit #2	3,655,423.36	(3,607,101.69)	48,321.67	
Boundary Dam Unit #3	633,240,102.89	(63,131,504.38)	570,108,598.51	
Boundary Dam Unit #4	150,790,014.39	(73,186,192.89)	77,603,821.50	
Boundary Dam Unit #5	131,703,658.95	(75,296,276.23)	56,407,382.72	
Boundary Dam Unit #6	238,406,589.53	(141,774,769.50)	96,631,820.03	
Boundary Dam Carbon Capture	688,286,234.71	(31,694,566.32)	656,591,668.39	
Poplar River Common	231,727,898.81	(141,656,142.96)	90,071,755.85	
Poplar River Unit #1-1983	341,368,401.55	(212,809,821.60)	128,558,579.95	
Poplar River Unit #2-1982	354,269,309.40	(220,607,581.17)	133,661,728.23	
Poplar River Emission Ctl	10,543,198.94	(8,643,514.88)	1,899,684.06	
Shand Common	246,847,468.68	(158,841,573.52)	88,005,895.16	
Shand Unit #1	426,501,573.53	(278,632,859.52)	147,868,714.01	
Shand Carbon Capture Test Facility	68,359,786.11	(13,643,496.43)	54,716,289.68	
Charlot River Common	30,010,434.95	(11,191,399.31)	18,819,035.64	
Charlot River Unit #1	4,583,654.16	(2,820,240.90)	1,763,413.26	
Charlot River Unit #2	4,583,654.27	(2,820,240.97)	1,763,413.30	
Wellington Common	7,197,927.40	(2,874,716.38)	4,323,211.02	
Wellington Unit #1	2,428,867.32	(1,202,148.90)	1,226,718.42	



Wellington Unit #2	2,013,320.51	(1,133,056.96)	880,263.55
Waterloo Common	3,092,111.92	(1,644,758.23)	1,447,353.69
Waterloo Unit #1	2,227,335.47	(1,361,104.11)	866,231.36
Coteau Creek Common	25,367,148.38	(22,602,661.96)	2,764,486.42
Coteau Creek Unit #1	11,381,992.05	(5,881,583.40)	5,500,408.65
Coteau Creek Unit #2	12,158,982.37	(5,564,203.51)	6,594,778.86
Coteau Creek Unit #3	14,346,165.72	(5,507,329.13)	8,838,836.59
Island Falls Common	104,127,441.38	(52,891,187.75)	51,236,253.63
Island Falls Unit #1	3,528,601.18	(2,321,395.07)	1,207,206.11
Island Falls Unit #2	3,514,265.75	(2,318,529.98)	1,195,735.77
Island Falls Unit #3	4,664,211.51	(2,877,411.82)	1,786,799.69
Island Falls Unit #4	33,499,561.56	(4,820,142.11)	28,679,419.45
Island Falls Unit #5	23,210,148.22	(2,255,542.67)	20,954,605.55
Island Falls Unit #6	19,708,108.40	(2,160,000.71)	17,548,107.69
Island Falls Unit #7	3,207,540.85	(2,286,421.15)	921,119.70
Island Falls Unit #8	3,207,420.21	(2,286,365.07)	921,055.14
Island Falls Unit #9	3,208,514.66	(2,286,682.94)	921,831.72
Nipawin Common	407,265,896.36	(230,251,135.45)	177,014,760.91
Nipawin Unit #1	50,835,764.10	(29,019,208.94)	21,816,555.16
Nipawin Unit #2	50,255,521.05	(28,531,559.55)	21,723,961.50
Nipawin Unit #3	49,488,165.18	(28,562,459.26)	20,925,705.92
EB Campbell Common	78,249,661.80	(48,701,080.69)	29,548,581.11
EB Campbell Unit #1	3,698,343.14	(2,921,828.92)	776,514.22
EB Campbell Unit #2	4,827,999.84	(2,831,664.94)	1,996,334.90
EB Campbell Unit #3	3,684,358.61	(2,919,170.47)	765,188.14
EB Campbell Unit #4	3,684,238.69	(2,919,127.46)	765,111.23
EB Campbell Unit #5	3,684,046.78	(2,919,058.66)	764,988.12
EB Campbell Unit #6	3,684,046.81	(2,919,058.72)	764,988.09
EB Campbell Unit #7	16,407,620.79	(3,511,201.93)	12,896,418.86
EB Campbell Unit #8	18,733,928.76	(4,767,774.48)	13,966,154.28
Landis	43,431,587.68	(31,813,476.20)	11,618,111.48
Meadow Lake	13,285,111.78	(12,315,937.83)	969,173.95
Success	3,307,909.79	(3,250,685.53)	57,224.26
QE Common	165,667,957.25	(27,089,257.65)	138,578,699.60
QE Unit #1	14,813,758.90	(7,944,945.01)	6,868,813.89
QE Unit #2	16,468,806.28	(6,600,541.52)	9,868,264.76
QE Unit #3	22,923,837.62	(7,887,967.85)	15,035,869.77
QE Unit #4	19,497,233.76	(9,910,392.69)	9,586,841.07
QE Unit #5	19,554,988.06	(9,931,253.84)	9,623,734.22
QE Unit #6	19,518,785.79	(9,528,738.86)	9,990,046.93



QE Unit #7	19,473,134.54	(9,624,794.27)	9,848,340.27
QE Unit #8	19,428,479.08	(9,722,199.58)	9,706,279.50
QE Unit #9	19,435,393.11	(9,705,332.29)	9,730,060.82
QE Unit #10	46,842,794.47	(12,792,550.20)	34,050,244.27
QE Unit #11	47,073,403.72	(12,787,745.95)	34,285,657.77
QE Unit #12	47,014,774.75	(12,774,451.30)	34,240,323.45
QE Unit#13	99,081,205.40	(3,483,822.39)	95,597,383.01
QE Unit#14	98,341,314.99	(3,475,190.34)	94,866,124.65
QE Unit#15	99,399,409.29	(3,524,008.87)	95,875,400.42
QE Unit #16	78,202,255.11	(1,588,283.19)	76,613,971.92
Ermine Common	16,823,054.41	(2,251,768.33)	14,571,286.08
Ermine #1	56,357,043.71	(16,153,266.07)	40,203,777.64
Ermine #2	67,863,560.92	(16,501,935.23)	51,361,625.69
Yellowhead Common	53,096,618.57	(5,894,581.87)	47,202,036.70
Yellowhead #1	43,392,141.61	(10,591,245.81)	32,800,895.80
Yellowhead #2	43,256,612.33	(10,582,428.00)	32,674,184.33
Yellowhead #3	43,681,216.00	(10,712,275.01)	32,968,940.99
Tantallon	17,589,657.99	(1,594,319.13)	15,995,338.86
Swift Current	398,678.35		398,678.35
Diesel Sites	167,562.40	167,562.40)	
Cypress	16,845,831.64	(10,282,132.32)	6,563,699.32
Centennial	233,490,268.96	(120,602,250.12)	112,888,018.84
Meridian Leased Assets	160,000,000.00	(104,000,000.00)	56,000,000.00
Cory Leased Assets	228,210,594.00	(120,951,614.50)	107,258,979.50
Spy Hill Lease Asset	145,000,000.00	(26,100,000.00)	118,900,000.00
NBEC Leased Asset	700,000,000.00	(99,166,666.67)	600,833,333.33
Actual book value and accumulated depreciation			
Generation assets as at March 31, 2016	7,544,643,950.68	(2,835,181,731.42)	4,709,462,219.26
Estimated generation depreciation - 2016/17		(214,703,000.00)	(214,703,000.00)
Generation	132,500,000.00		132,500,000.00
Carbon Capture Projects	37,500,000.00		37,500,000.00
New Generation	18,600,000.00		18,600,000.00
Other	31,000,000.00		31,000,000.00
Transmission (I1K)	475,000,000.00	(12,600,000.00)	462,400,000.00
	8,239,243,950.68	(3,062,484,731.42)	5,176,759,219.26
		, , , , , , , , , , , , , , , , , , , ,	



A discrepancy was noticed in the reconciliation above. The I1K transmission line was included in the generation assets in error. The removal of I1K from generation to transmission has a slight impact on the calculated revenue requirement by customer class but, since there is no rebalancing maintenance with this application and the total amount of rate base is unchanged from \$9.642.7M, there are no alterations required to the current rate application.

Please see the tables below showing the impacts of moving I1K from generation to transmission in the 2017 Fiscal rate application:



#### **ORIGINAL SUBMISSION**

### Year 2017F Rate Change & R/RR Ratios 5.0% & 5.0% General Rate Increase With No Rebalancing Maintenance

	Δ	R	C	D	F	F	G	н	1	1	1	
	2017F	2017F	2017F	2017F	2017F	2017F-1	2017F-1	2017F-2	2017F-2	2017F	2017F	2017F Final
	Allocated	Allocated	Revenue	Rev. Reg.	R/RR Ratio	Rate	Revenue	Rate	Revenue	Revenue	Rev. Reg.	R/RR Ratio
Class of Service	Rate Base	Expenses	(Existing Rates)	@	(Existing Rates)	Change	Change	Change	Change	(Revised Rates)	<i>@</i>	(Revised Rates)
				4.77% RORB	= ( C / D)	_	= ( C * F )		= ( C + G ) * H	= (C+G+I)	5.92% RORB	=(J/I)
Urban Residential	1,741,218,973	320,554,713	401,370,092	403,677,428	0.99	5.1%	20,466,156	5.1%	21,487,010	443,323,257	444,694,296	1.00
Rural Residential	576,726,596	92,447,980	112,837,387	119,979,888	0.94	5.1%	5,753,014	5.1%	6,040,995	124,631,397	133,565,496	0.93
Total Residential	2,317,945,569	413,002,693	514,207,479	523,657,316	0.98	5.1%	26,219,170	5.1%	27,528,005	567,954,654	578,259,792	0.98
Farms	769,128,332	135,239,782	168,044,865	171,956,609	0.98	5.1%	8,567,767	5.1%	8,996,648	185,609,280	190,074,511	0.98
Urban Commercial	1,407,519,016	247,889,426	323,586,964	315,081,895	1.03	5.1%	16,498,081	5.1%	17,323,932	357,408,978	348,237,990	1.03
Rural Commercial	574,135,245	90,847,369	122,074,762	118,255,570	1.03	5.1%	6,223,982	5.1%	6,535,538	134,834,282	131,780,135	1.02
Total Commercial	1,981,654,261	338,736,795	445,661,726	433,337,465	1.03	5.1%	22,722,063	5.1%	23,859,470	492,243,260	480,018,125	1.03
Power - Published Rates	1,919,655,068	383,309,235	475,958,353	474,950,173	1.00	5.1%	24,266,737	5.1%	25,481,466	525,706,556	520,170,355	1.01
Power - Contract Rates	717,308,894	140,988,588	175,538,250	175,231,646	1.00	3.9%	6,764,750	3.9%	7,103,375	189,406,375	192,128,868	0.99
Total Power	2,636,963,962	524,297,823	651,496,603	650,181,819	1.00	4.8%	31,031,486	4.8%	32,584,841	715,112,931	712,299,223	1.00
Oilfields	1,463,506,549	253,866,089	326,443,622	323,731,304	1.01	5.1%	16,643,728	5.1%	17,476,870	360,564,220	358,206,264	1.01
Streetlights	91,662,279	11,510,413	15,675,844	15,886,208	0.99	5.1%	799,233	5.1%	839,240	17,314,318	18,045,442	0.96
Reseller	381,870,626	79,071,313	94,521,722	97,301,141	0.97	5.1%	4,819,190	5.1%	5,060,426	104,401,338	106,296,642	0.98
Total (System)	9,642,731,579	1,755,724,907	2,216,051,862	2,216,051,862	1.00	5.0%	110,802,638	5.0%	116,345,500	2,443,200,000	2,443,200,000	1.00

#### **RESTATED - I1K to Transmission**

#### Year 2017F Rate Change & R/RR Ratios 5.0% & 5.0% General Rate Increase With No Rebalancing Maintenance

	Α	В	С	D	E	F	G	Н	1	J	1	J
	2017F	2017F	2017F	2017F	2017F	2017F-1	2017F-1	2017F-2	2017F-2	2017F	2017F	2017F Final
	Allocated	Allocated	Revenue	Rev. Req.	R/RR Ratio	Rate	Revenue	Rate	Revenue	Revenue	Rev. Req.	R/RR Ratio
Class of Service	Rate Base	Expenses	(Existing Rates)	@	(Existing Rates)	Change	Change	Change	Change	(Revised Rates)	@	(Revised Rates)
				4.77% RORB	= ( C / D)		= ( C * F )		= ( C + G ) * H	= (C+G+I)	5.92% RORB	=(J/I)
Urban Residential	1,753,955,782	320,969,442	401,370,092	404,700,190	0.99	5.1%	20,466,156	5.1%	21,487,010	443,323,257	446,017,091	0.99
Rural Residential	580,454,489	92,569,160	112,837,387	120,279,031	0.94	5.1%	5,753,014	5.1%	6,040,995	124,631,397	133,952,455	0.93
Total Residential	2,334,410,271	413,538,602	514,207,479	524,979,221	0.98	5.1%	26,219,170	5.1%	27,528,005	567,954,654	579,969,546	0.98
Farms	771,445,395	135,325,725	168,044,865	172,153,164	0.98	5.1%	8,567,767	5.1%	8,996,648	185,609,280	190,325,648	0.98
Urban Commercial	1,408,331,615	247,949,661	323,586,964	315,180,922	1.03	5.1%	16,498,081	5.1%	17,323,932	357,408,978	348,356,159	1.03
Rural Commercial	574,623,335	90,875,470	122,074,762	118,306,972	1.03	5.1%	6,223,982	5.1%	6,535,538	134,834,282	131,843,035	1.02
Total Commercial	1,982,954,950	338,825,131	445,661,726	433,487,894	1.03	5.1%	22,722,063	5.1%	23,859,470	492,243,260	480,199,194	1.03
Power - Published Rates	1,914,268,854	383,080,763	475,958,353	474,464,574	1.00	5.1%	24,266,737	5.1%	25,481,466	525,706,556	519,557,875	1.01
Power - Contract Rates	718,819,685	140,989,085	175,538,250	175,304,266	1.00	3.9%	6,764,750	3.9%	7,103,375	189,406,375	192,237,077	0.99
Total Power	2,633,088,539	524,069,848	651,496,603	649,768,839	1.00	4.8%	31,031,486	4.8%	32,584,841	715,112,931	711,794,952	1.00
Oilfields	1,455,573,272	253,662,569	326,443,622	323,149,063	1.01	5.1%	16,643,728	5.1%	17,476,870	360,564,220	357,437,144	1.01
Streetlights	91,514,200	11,506,794	15,675,844	15,875,520	0.99	5.1%	799,233	5.1%	839,240	17,314,318	18,031,266	0.96
Reseller	373,744,953	78,796,238	94,521,722	96,638,161	0.98	5.1%	4,819,190	5.1%	5,060,426	104,401,338	105,442,250	0.99
Total (System)	9,642,731,579	1,755,724,907	2,216,051,862	2,216,051,862	1.00	5.0%	110,802,638	5.0%	116,345,500	2,443,200,000	2,443,200,000	1.00



#### **VARIANCE FROM ORIGINAL SUBMISSION**

### Year 2017F Rate Change & R/RR Ratios 5.0% & 5.0% General Rate Increase With No Rebalancing Maintenance

	Α	В	С	D	E	F	G	Н	I	J	I	J
	2017F	2017F	2017F	2017F	2017F	2017F-1	2017F-1	2017F-2	2017F-2	2017F	2017F	2017F Final
	Allocated	Allocated	Revenue	Rev. Req.	R/RR Ratio	Rate	Revenue	Rate	Revenue	Revenue	Rev. Req.	R/RR Ratio
Class of Service	Rate Base	Expenses	(Existing Rates)	@	(Existing Rates)	Change	Change	Change	Change	(Revised Rates)	@	(Revised Rates)
				4.77% RORB							5.92% RORB	
Urban Residential	12,736,809	414,729	-	1,022,762	0.00	0.0%	-	0.0%	-	-	1,322,795	0.00
Rural Residential	3,727,892	121,180	-	299,143	0.00	0.0%	-	0.0%	-	-	386,959	0.00
Total Residential	16,464,702	535,909	-	1,321,905	0.00	0.0%	-	0.0%	-	-	1,709,754	0.00
Farms	2,317,063	85,943	-	196,556	0.00	0.0%	-	0.0%	-	-	251,137	0.00
Urban Commercial	812,598	60,234	-	99,026	0.00	0.0%	-	0.0%	-	-	118,168	0.00
Rural Commercial	488,091	28,102	-	51,402	0.00	0.0%	-	0.0%	-	-	62,900	0.00
Total Commercial	1,300,689	88,336	-	150,429	0.00	0.0%	-	0.0%	-	-	181,068	0.00
Power - Published Rates	(5,386,214)	(228,471)	-	(485,600)	0.00	0.0%	-	0.0%	-	-	(612,479)	0.00
Power - Contract Rates	1,510,791	497	-	72,619	0.00	0.0%	-	0.0%	-	-	108,208	0.00
Total Power	(3,875,423)	(227,974)	-	(412,980)	0.00	0.0%	-	0.0%	-	-	(504,271)	0.00
Oilfields	(7,933,277)	(203,521)	-	(582,241)	0.00	0.0%	-	0.0%	-	-	(769,121)	0.00
Streetlights	(148,080)	(3,619)	-	(10,689)	0.00	0.0%	-	0.0%	-	-	(14,177)	0.00
Reseller	(8,125,674)	(275,075)	-	(662,980)	0.01	0.0%	-	0.0%	-	-	(854,392)	0.01
Total (System)	-	-	-	-	0.00	0.0%	-	0.0%	-	-	-	0.00