

SaskPower
Capital Expenditures Budget Submission
2016 Actual and March 2017 to 2027 Forecast

	Dec 2015	Mar 2017	Mar 2018	Mar 2019	Mar 2020	Mar 2021	Mar 2022	Mar 2023	Mar 2024	Mar 2025	Mar 2026	Mar 2027	2018-2027 Total
Capital Sustainment Investment													
Transmission	\$ 79.8	\$ 87.9	\$ 88.0	\$ 89.8	\$ 91.6	\$ 93.4	\$ 95.3	\$ 97.2	\$ 99.1	\$ 101.1	\$ 103.1	\$ 105.2	\$ 963.6
Distribution	50.0	72.9	80.0	81.6	83.2	84.9	86.6	88.3	90.1	91.9	93.7	95.6	876.0
Generation	126.2	145.0	132.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1	1,384.0
IT&S	37.5	35.4	17.0	17.3	21.5	27.4	18.7	19.1	19.5	19.9	20.3	20.7	201.3
Buildings & Furniture	10.9	20.6	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	200.0
Mining Land	1.5	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	25.0
Meter Purchases	22.5	11.7	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	75.0
Vehicles	22.7	20.0	20.0	18.2	16.5	15.0	15.3	15.6	15.9	16.3	16.6	16.9	166.4
ICCS	44.8	28.0	37.0	-	-	-	-	-	-	-	-	-	37.0
Total Sustainment Investment	395.9	424.1	404.1	376.0	381.9	389.8	385.0	389.3	393.7	398.2	402.8	407.5	3,928.3
Growth & Compliance Investment													
Transmission	\$ 163.8	\$ 124.2	170.0	173.4	176.9	180.4	184.0	187.7	191.4	\$ 195.3	\$ 199.2	\$ 203.2	\$ 1,861.5
Distribution	80.3	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	27.8	28.3	28.9	264.7
	244.1	147.9	194.2	198.1	202.0	206.1	210.2	214.4	218.7	223.0	227.5	232.1	2,126.2
Transmission Connects	45.1	20.6	30.0	30.6	31.2	31.8	32.5	33.1	33.8	34.5	35.1	35.9	\$ 328.5
Distribution Connects	125.1	119.4	100.0	102.0	104.0	106.1	108.2	110.4	112.6	114.9	117.2	119.5	1,095.0
	170.2	140.0	130.0	132.6	135.3	138.0	140.7	143.5	146.4	149.3	152.3	155.4	1,423.5
New Generation & Carbon Capture													
- QE Expansion	167.5	5.0		218.4	290.4	63.9	-	-	-	-	-	-	-
- Tazi Twe	4.9	7.0	11.7	186.6	47.9								584.4
- Chinook Gas Plant		140.0	306.0										540.5
- XCG2							142.1	364.2	205.2	36.9			748.4
	172.4	152.0	317.7	405.0	338.3	63.9	142.1	364.2	205.2	36.9	-	-	1,873.3
Total Growth & Compliance	586.7	439.9	641.9	735.7	675.6	407.9	493.0	722.1	570.3	409.3	379.8	387.4	5,422.9
Strategic & Other Investments	7.7	25.2	74.7	149.0	171.3	86.6	65.9	53.4	53.1	48.8	34.5	25.6	763.0
Total Capital Budget	\$ 990.3	\$ 889.2	\$ 1,120.7	\$ 1,260.6	\$ 1,228.8	\$ 884.3	\$ 943.9	\$ 1,164.8	\$ 1,017.1	\$ 856.2	\$ 817.2	\$ 820.5	\$ 10,114.2

**2018 to 2027 Capital Expenditures
(Millions \$)**

Capital Sustainment Investment

	Mar 2018	Mar 2019	Mar 2020	Mar 2021	Mar 2022	Mar 2023	Mar 2024	Mar 2025	Mar 2026	Mar 2027	2018-2027 Total
Transmission											
LN - Line Switch Replacements	1.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	19.5
LN - Transmission Lattices Steel Remediation	9.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	49.0
LN - Wood Line Remediation (incl Gulpport)	47.5	58.0	62.3	75.0	77.0	90.0	95.0	95.0	95.0	95.0	789.8
LN - Weathering Steel Below Ground Remediation	7.0	7.5	8.0	7.5	8.0	9.0	9.0	9.0	9.0	9.0	82.5
LN - Transmission Reliability Improvements	5.5	6.0	6.0	6.0	6.5	7.0	7.0	7.0	7.0	7.0	64.5
LN - 11F/12F Capital Sustainment	6.0	6.0	6.0	1.0	-	-	-	-	-	-	19.0
LN - 12P Capital Sustainment	3.0	3.0	3.0	-	-	-	-	-	-	-	9.0
LN - Transmission Line Upgrading	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	22.5
LN - Circuit Breaker Replacements	10.0	8.0	7.5	7.5	5.0	5.0	2.0	2.0	2.0	2.0	51.0
LN - Boundary Dam Switchgear Replacements	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	10.0
LN - Station Bus and Foundation Replacements	1.0	0.3	0.3	0.8	0.8	1.0	1.0	1.0	1.0	1.0	3.0
LN - Current Transformers and Potential Transformers	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	10.0
LN - Relay Replacements	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	50.0
LN - Transmission Ground Grid & Fencing Upgrades	4.5	2.0	1.5	1.5	1.5	0.5	0.5	0.5	0.5	0.5	13.5
LN - RTU Replacements	2.0	2.0	1.5	1.5	2.0	2.0	2.5	2.5	2.5	2.5	5.5
Projects under \$1M	2.8	2.9	2.6	3.0	2.7	2.5	2.5	2.7	2.5	2.5	26.4
Contingency	(22.1)	(27.1)	(27.8)	(30.1)	(27.4)	(27.5)	(28.1)	(26.3)	(24.1)	(22.0)	(262.6)
Sub Total	\$ 88.0	\$ 88.8	\$ 91.6	\$ 93.4	\$ 95.3	\$ 97.2	\$ 99.1	\$ 101.1	\$ 103.1	\$ 105.2	\$ 963.6
Distribution											
Sub - Station Ground Grid & Fencing Upgrades	3.6	3.6	1.0	2.5	2.5	0.5	0.5	0.5	0.5	0.5	17.8
Sub - Protection Upgrades	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	9.0
Program - City of Regina Aging Infrastructure Replacement	9.0	9.0	8.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	61.0
Program - Rural Rebuild & Improvement	20.5	20.5	20.5	21.0	21.0	21.0	21.0	21.0	21.0	21.0	208.5
Strategic & Other Investments	15.0	17.5	20.0	25.0	30.0	35.0	40.0	45.0	45.0	45.0	317.5
Program - Steel Street Light Replacement	1.1	1.2	1.3	1.4	1.5	1.5	1.5	1.5	1.5	1.5	14.0
Program - HPSV Streetlight Luminair Conversion to LED	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	81.0
Program - Power Quality Upgrades	6.0	7.0	8.0	8.0	9.0	9.0	9.0	9.0	9.0	9.0	83.0
Program - Distribution Reliability Improvements	6.0	6.0	7.0	7.0	8.0	8.0	8.0	8.0	8.0	8.0	74.0
Program - High Load Move Corridors	1.0	-	-	-	-	-	-	-	-	-	1.0
Program - Wood/Steel Substation Rebuild	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	20.0
Program - Recoordination & Protection	1.0	1.0	1.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	11.4
Program - Distribution Automation	2.0	2.0	3.0	3.0	4.0	4.0	4.0	4.0	4.0	4.0	34.0
Distribution Line - Protection Upgrades	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	10.5
Initiative - Distribution Transformer/Wildlife Protection	1.0	1.0	1.0	-	-	-	-	-	-	-	3.0
Initiative - Planned Apparatus Replacement Program	3.5	3.5	3.5	3.5	4.5	3.3	-	-	-	-	21.8
Sub - Power Transformer Replacement	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	45.0
Projects under \$1M	4.8	4.9	5.1	5.3	5.5	5.7	5.5	5.6	5.6	5.6	50.6
Contingency	(55.8)	(58.7)	(64.3)	(65.1)	(74.7)	(72.9)	(72.7)	(76.0)	(74.1)	(62.8)	(677.1)
Sub Total	\$ 80.0	\$ 81.6	\$ 83.2	\$ 84.9	\$ 86.6	\$ 88.3	\$ 90.1	\$ 91.9	\$ 93.7	\$ 95.6	\$ 876.0

	Mar 2018	Mar 2019	Mar 2020	Mar 2021	Mar 2022	Mar 2023	Mar 2024	Mar 2025	Mar 2026	Mar 2027	2018-2027 Total
Mining Land	\$ 2.5	\$ 2.5	\$ 2.5	\$ 2.5	\$ 2.5	\$ 2.5	\$ 2.5	\$ 2.5	\$ 2.5	\$ 2.5	\$ 25.0
Meter Purchases	\$ 7.5	\$ 7.5	\$ 7.5	\$ 7.5	\$ 7.5	\$ 7.5	\$ 7.5	\$ 7.5	\$ 7.5	\$ 7.5	\$ 75.0
Vehicles & Tools	\$ 20.0	\$ 18.2	\$ 16.5	\$ 15.0	\$ 15.3	\$ 15.6	\$ 15.9	\$ 16.3	\$ 16.6	\$ 16.9	\$ 166.4
Carbon Capture Projects	\$ 37.0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 37.0
Total Sustainment Investment	\$ 404.1	\$ 376.0	\$ 381.9	\$ 389.8	\$ 385.0	\$ 389.3	\$ 393.7	\$ 398.2	\$ 402.8	\$ 407.5	\$ 3,928.3
Growth & Compliance Investment											
Transmission	Mar 2018	Mar 2019	Mar 2020	Mar 2021	Mar 2022	Mar 2023	Mar 2024	Mar 2025	Mar 2026	Mar 2027	2018-2027 Total
LN-Tumor Lake to LaRoche-138 kV - Exp	-	-	0.5	-	4.5	5.0	-	-	-	-	10.0
LN - ML3 Rebuild /MLBC Int - 72kV - New	1.5	8.8	3.0	-	-	-	-	-	-	-	13.3
LN - Martensville to Dalmeny - 138kV - New	0.2	1.5	7.9	8.6	-	-	-	-	-	-	18.1
LN - Golden Lake to Ermine 138kV - New	-	-	4.5	8.0	31.2	42.6	-	-	-	-	86.3
T355 - Rowatt 230 kV Station Development	0.8	15.5	16.8	0.2	-	-	-	-	-	-	33.3
STN - Oxbow Substation Capacity Increase - Exp	2.9	0.1	-	-	-	-	-	-	-	-	3.1
STN-Beauval-138-72 kV - New	5.0	15.0	-	-	-	-	-	-	-	-	20.0
Sub - Harbour Landing - 138-25 kV - New	0.1	0.5	5.9	3.7	-	-	-	-	-	-	10.2
LN - TC5 - 138 kV - Exp	8.9	14.6	25.9	-	-	-	-	-	-	-	49.4
STN - Halbritte - 138-25kV	2.3	5.6	4.3	-	-	-	-	-	-	-	12.2
STN - BD Phase Shifting Transformer Upgrade - 230kV - Exp	16.7	4.2	0.1	-	-	-	-	-	-	-	20.9
STN - Pasqua Transformer Position - 230kV - Exp	1.0	1.0	-	-	-	-	-	-	-	-	2.0
LN - Auburnton to Kennedy - 230 kV - New	1.0	13.0	22.8	23.3	-	-	-	-	-	-	60.1
LN - Aberdeen to Martensville - 230kV - Exp	3.0	6.7	6.7	-	-	-	-	-	-	-	16.4
STN - Belle Plaine Area Station - 230 kV - New	-	-	0.8	1.3	9.5	8.5	-	-	-	-	20.0
STN - QE Transf Replacement - 230kV - Exp	8.8	10.4	9.3	5.8	-	-	-	-	-	-	34.2
STN - ML Refurb - 138-72 kV - Exp	9.3	0.2	7.0	-	-	-	-	-	-	-	9.5
LN - PQ-SW - 230/138kV - New	80.2	106.4	0.2	-	-	-	-	-	-	-	183.7
LN - Conditte to Belle Plaine Area - 230 kV - New	7.5	24.8	0.2	-	-	-	-	-	-	-	32.5
STN - Pasqua SVS - 138 kV -New	1.0	-	-	-	-	-	-	-	-	-	1.0
STN - Bankend - 138kV - Exp	4.8	-	-	-	-	-	-	-	-	-	4.8
STN - A1B/A2B RAS - New	1.1	-	-	-	-	-	-	-	-	-	1.1
STN - System Spare Transformer - 230-138 kV - Exp	2.6	2.3	-	-	-	-	-	-	-	-	4.9
LN - B4P and PA4 - 138kV - Exp	13.4	19.0	-	-	-	-	-	-	-	-	32.5
STN - BD19 Re-Termination	2.2	-	-	-	-	-	-	-	-	-	2.2
STN - Chaplin - 138 kV - Exp	1.6	5.6	-	-	-	-	-	-	-	-	7.2
LN - Beauval to Ile A La Crosse - 138 kV - New	0.7	2.1	8.2	8.1	-	-	-	-	-	-	19.1
STN - Central Butte - 72 kV - Exp	1.6	5.6	-	-	-	-	-	-	-	-	7.2
LN - RIP Rebuild -230 kV - New	1.7	10.9	24.9	0.1	-	-	-	-	-	-	37.5
LN - C1S River Crossing - 230kV - Exp	5.6	1.1	-	-	-	-	-	-	-	-	6.7
STN - Kennedy - 230-138kV - Exp	-	-	-	-	-	-	-	-	-	-	3.0
LN - Kennedy to Tantallon - 230kV - Exp	16.2	-	-	-	-	-	-	-	-	-	16.2
Tadji Tive Connection	-	17.0	18.0	-	-	-	-	-	-	-	35.0
New Gas Interconnections	7.2	6.0	-	-	2.3	7.9	6.6	-	-	-	30.1
Projects under \$1M	4.6	20.1	17.3	0.8	2.6	3.4	-	-	-	-	48.8
Contingency	(67.2)	(144.5)	(74.9)	(65.5)	(2.2)	75.9	116.4	82.4	40.8	47.3	8.6
Unassigned Capital Project	20.9	(0.1)	68.4	185.6	136.1	44.3	68.4	112.9	158.3	155.8	950.7
Sub Total	\$ 170.0	\$ 173.4	\$ 176.9	\$ 180.4	\$ 184.0	\$ 187.7	\$ 191.4	\$ 195.3	\$ 199.2	\$ 203.2	\$ 1,861.5
Distribution	Mar 2018	Mar 2019	Mar 2020	Mar 2021	Mar 2022	Mar 2023	Mar 2024	Mar 2025	Mar 2026	Mar 2027	2018-2027 Total
STN-Bluebell PODS-72/25 kV -New	\$ 5.1	\$ 2.6	\$ 0.0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7.7
SUB - White City - 138-25kV - New	\$ 4.0	\$ 0.5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4.5
SUB - Spare transformer 25 MVA - 138-25 kV - New	\$ 2.0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2.0
SUB --Hawarden-- 72-25 kV - New	\$ 2.8	\$ 5.7	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8.5
SUB - Wadena - 72-25kV - Exp	\$ 3.1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3.1
STN - Outlook -72-25 kV - Exp	\$ 1.3	\$ 4.1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5.4
Program - Economic Rebuild (Rural)	\$ 6.0	\$ 7.0	\$ 7.0	\$ 8.0	\$ 9.0	\$ 10.0	\$ 10.0	\$ 10.0	\$ 10.0	\$ 10.0	\$ 87.0
Program - Economic Rebuild (Urban)	\$ 3.0	\$ 3.0	\$ 4.0	\$ 4.0	\$ 5.0	\$ 5.0	\$ 5.0	\$ 5.0	\$ 5.0	\$ 5.0	\$ 44.0
Projects under \$1M	\$ 1.8	\$ 10.4	\$ 13.6	\$ 6.8	\$ 5.2	\$ 2.9	\$ 2.1	\$ 3.1	\$ -	\$ -	\$ 45.9
Unassigned Capital Project	\$ (4.9)	\$ (8.7)	\$ 0.6	\$ 6.9	\$ 6.9	\$ 8.8	\$ 10.1	\$ 9.6	\$ 13.3	\$ 13.9	\$ 56.6
Sub Total Distribution	\$ 24.2	\$ 24.7	\$ 25.2	\$ 25.7	\$ 26.2	\$ 26.7	\$ 27.2	\$ 27.8	\$ 28.3	\$ 28.9	\$ 264.7
Sub Total T&D	\$ 194.2	\$ 198.1	\$ 202.0	\$ 206.1	\$ 210.2	\$ 214.4	\$ 218.7	\$ 223.0	\$ 227.5	\$ 232.1	\$ 2,126.2
Customer Connects	Mar 2018	Mar 2019	Mar 2020	Mar 2021	Mar 2022	Mar 2023	Mar 2024	Mar 2025	Mar 2026	Mar 2027	2018-2027 Total
Customer Connects - Transmission	\$ 30.0	\$ 30.6	\$ 31.2	\$ 31.8	\$ 32.5	\$ 33.1	\$ 33.8	\$ 34.5	\$ 35.1	\$ 35.9	\$ 328.5
Customer Connects - Distribution	\$ 100.0	\$ 102.0	\$ 104.0	\$ 106.1	\$ 108.2	\$ 110.4	\$ 112.6	\$ 114.9	\$ 117.2	\$ 119.5	\$ 1,095.0
Approved Capital Budget - All Customer Connects	\$ 130.0	\$ 132.6	\$ 135.3	\$ 138.0	\$ 140.7	\$ 143.5	\$ 146.4	\$ 149.3	\$ 152.3	\$ 155.4	\$ 1,423.5

New Generation and Carbon Capture Projects

	Mar 2018	Mar 2019	Mar 2020	Mar 2021	Mar 2022	Mar 2023	Mar 2024	Mar 2025	Mar 2026	Mar 2027	2018-2027 Total
Tazl Tive	11.7	218.4	290.4	63.9	-	-	-	-	-	-	584.4
Chinook Gas Plant	306.0	186.6	47.9	-	142.1	364.2	205.2	36.9	-	-	540.5
XCG2	-	-	-	-	142.1	364.2	205.2	36.9	-	-	748.4
TOTAL NEW GEN & CARBON CAPTURE	\$ 317.7	\$ 405.0	\$ 338.3	\$ 63.9	\$ 142.1	\$ 364.2	\$ 205.2	\$ 36.9	\$ -	\$ -	\$ 1,873.3
Total Growth & Compliance	\$ 641.9	\$ 735.7	\$ 675.6	\$ 407.9	\$ 493.0	\$ 722.1	\$ 570.3	\$ 409.3	\$ 379.8	\$ 387.4	\$ 5,422.9

Strategic & Other Investments

Total Strategic & Other Investments	\$ 74.7	\$ 149.0	\$ 171.3	\$ 86.6	\$ 65.9	\$ 53.4	\$ 53.1	\$ 48.8	\$ 34.5	\$ 25.6	\$ 763.0
TOTAL CAPITAL BUDGET	\$ 1,120.7	\$ 1,260.6	\$ 1,228.8	\$ 884.3	\$ 943.9	\$ 1,164.8	\$ 1,017.1	\$ 856.2	\$ 817.2	\$ 820.5	\$ 10,114.2