

**NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
ALLOCATION OF ESTIMATED DEMAND RESPONSE COSTS
BASED ON APRIL 2017 TO MARCH 2018 ACTUAL PROGRAM COSTS**

Program	2018 Surcharge Costs
CSRP	
March-18	\$16,576
April-17	\$0
May-17	\$0
June-17	\$0
July-17	\$414,136
August-17	\$529,518
September-17	\$1,046,480
October-17	\$498,238
November-17	\$19,268
December-17	\$23,364
January-18	\$0
February-18	\$3,181
CSRP Total	\$2,550,760
DLRP	
March-18	\$16,576
April-17	\$0
May-17	\$0
June-17	\$0
July-17	\$17,318
August-17	\$0
September-17	\$26,550
October-17	\$3,135
November-17	\$19,268
December-17	\$23,364
January-18	\$0
February-18	\$6,253
DLRP Total	\$112,464
DLC	
March-18	\$285
April-17	\$93,608
May-17	\$182
June-17	\$843
July-17	\$40,174
August-17	\$22,500
September-17	\$9,013
October-17	\$0
November-17	\$75,890
December-17	-\$2,385
January-18	\$0
February-18	\$193,268
DLC Total	\$433,378

2018 Program Year	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	Total Usage
SC1	796,984,295	876,493,517	968,762,290	1,009,883,758	932,151,389	769,506,851	791,587,797	982,189,278	1,102,318,007	1,040,133,137	955,625,455	844,683,651	11,070,319,425
SC1C	22,639,145	24,897,685	27,518,673	28,686,769	26,478,703	21,858,620	22,485,852	27,900,080	31,312,458	29,546,034	27,145,507	23,994,093	314,463,618
SC2	49,897,475	53,217,236	56,015,498	57,110,187	54,971,896	49,763,149	49,731,979	52,853,239	55,000,970	52,902,092	51,776,662	50,543,878	633,784,260
SC2D	1,140,207.7	1,215,270.4	1,278,328.4	1,302,904.5	1,254,839.4	1,137,656.5	1,137,198.4	1,204,972.3	1,252,239.1	1,205,126.2	1,180,589.2	1,155,248.8	14,464,581
SC3 Sec	1,007,714.0	1,063,944.0	1,113,943.1	1,133,335.8	1,095,356.2	1,007,314.0	1,015,566.9	1,053,923.4	1,087,004.4	1,053,847.6	1,035,066.7	1,033,183.3	12,700,200
SC3 Pri	352,930.9	372,359.5	389,721.9	396,453.6	383,268.5	352,838.5	355,957.7	368,830.7	380,191.7	368,801.0	362,296.9	362,172.9	4,445,824
SC3 Sub	104,761.0	109,976.9	114,984.2	117,063.8	113,411.8	105,119.6	106,255.7	109,333.8	112,523.1	109,379.4	107,492.4	108,080.7	1,318,382
SC3 Tran	21,815.1	22,722.9	23,631.6	23,981.0	23,295.0	21,862.1	22,308.1	22,483.5	22,936.8	22,478.2	22,157.5	22,742.6	272,414
SC3A Sec	113,728.20	117,720.17	122,041.09	123,694.58	120,443.77	114,106.93	117,071.63	116,417.68	118,151.56	116,381.80	114,915.70	119,464.36	1,414,137
SC3A Pri	89,510.23	91,616.97	94,436.51	95,502.58	93,399.35	89,994.70	93,222.19	90,516.39	91,001.78	90,476.14	89,609.59	95,283.30	1,104,570
SC3A Sub	271,524.02	280,088.53	289,862.10	293,590.11	286,253.88	272,602.20	280,514.97	276,908.43	280,227.32	276,811.57	273,579.50	286,393.62	3,368,356
SC3A Tran	1,091,636.60	1,117,639.44	1,152,199.46	1,165,271.22	1,139,484.76	1,097,489.24	1,136,583.25	1,104,239.69	1,110,422.32	1,103,752.43	1,093,098.29	1,161,666.64	13,473,483
SC7 2D	185.68	194.00	202.06	205.17	199.07	185.97	189.25	192.00	196.36	191.96	189.07	192.85	2,323
SC7 3Sec	2,984.97	3,118.74	3,248.43	3,298.42	3,200.34	2,989.69	3,042.45	3,086.67	3,156.80	3,086.06	3,039.53	3,100.27	37,352
SC7 3Pri	4,276.31	4,467.95	4,653.75	4,725.37	4,584.86	4,283.07	4,358.66	4,422.00	4,522.49	4,421.14	4,354.48	4,441.49	53,512
SC7 3Sub	5,639.83	5,892.58	6,137.62	6,232.07	6,046.76	5,648.75	5,748.45	5,831.98	5,964.50	5,830.84	5,742.93	5,857.69	70,574
SC7 3Tran	9,986.58	10,434.13	10,868.03	11,035.28	10,707.15	10,002.37	10,178.91	10,326.83	10,561.49	10,324.81	10,169.14	10,372.35	124,967
SC7 3ASec	-	-	-	-	-	-	-	-	-	-	-	-	-
SC7 3APri	11,594.42	12,114.03	12,617.78	12,811.96	12,431.00	11,612.75	11,817.71	11,989.45	12,261.89	11,987.10	11,806.37	12,042.29	145,087
SC7 3ASub	10,898.56	11,386.98	11,860.50	12,043.02	11,684.93	10,915.79	11,108.45	11,269.88	11,525.96	11,267.67	11,097.78	11,319.55	136,379
SC7 3ATran	26,339.13	27,519.52	28,663.91	29,105.01	28,239.59	26,380.77	26,846.38	27,236.51	27,855.41	27,231.18	26,820.61	27,356.56	329,595
SC1.LIGHT.	1,450,056.1	1,499,380.5	1,381,947.3	1,546,290.9	1,677,593.0	1,815,968.8	1,982,211.9	2,299,333.2	2,439,222.8	1,993,390.2	1,927,201.3	1,927,201.3	21,939,797
SC2.LIGHT.	9,363,101.3	9,681,591.6	8,923,318.8	9,984,495.5	10,832,321.2	11,725,822.1	12,799,263.7	14,846,935.5	15,750,211.3	12,871,442.8	12,444,056.8	11,634,864.3	140,857,425
SC3.LIGHT.	410,202.5	424,155.8	390,935.4	437,426.1	474,569.8	513,714.6	560,742.6	650,452.3	690,025.3	563,904.9	545,180.8	545,180.8	6,206,491
SC4.LIGHT.	598,423.9	618,779.6	570,316.1	638,139.1	692,326.2	749,432.5	818,039.4	948,912.3	1,006,643.3	822,652.6	795,337.1	795,337.1	9,054,339
SC5.LIGHT.	201,809.2	208,673.8	192,330.2	215,202.5	233,476.2	252,734.5	275,871.1	320,005.9	339,474.8	277,426.8	268,215.1	268,215.1	3,053,435
SC6.LIGHT.	19,755.7	20,427.7	18,827.8	21,066.8	22,855.7	24,740.9	27,005.8	31,326.3	33,232.2	27,158.1	26,256.3	26,256.3	298,909
Totals	885,829,997	971,527,914	1,068,431,536	1,113,254,588	1,032,121,976	860,482,036	884,606,732	1,086,461,544	1,213,420,987	1,143,558,634	1,054,905,897	938,837,596	12,253,439,437

A:\Demand Response Program-Dynamic Load Program\Surcharge
Cal & Statements\Surcharges\2018\04 Apr\Billing.

Source: Determinants_Forecast.xlsx

**NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
ALLOCATION OF ESTIMATED DEMAND RESPONSE COSTS
2018 COMMERCIAL SYSTEM RELIEF PROGRAM DLM SURCHARGE**

Design Service Class	Program Year	Program Year	ICP	Allocation of	Forecast May-	SC7	SC7
	Forecast May- December 2018 kW Billed (A)	Forecast May-December 2018 kWh Sales (B)	Transmission Allocator (C)	Estimated DR Costs (D)	December 2018 Surcharge Rate (E)	Contract Demand (F)	Forecast May- December 2018 Surcharge Rate (G)
1. SC1	-	11,070,319,425	40.99%	\$1,045,556	\$0.000094		\$0.000094
2. SC1C	-	314,463,618	0.81%	\$20,661	\$0.000066		
3. SC2ND	-	633,784,260	2.54%	\$64,789	\$0.000102		\$0.000102
4. SC2D	14,464,581		14.46%	\$368,840	\$0.03	19,090,202	\$0.02
SC3							
5. Secondary	12,700,200		13.34%	\$340,271	\$0.03	15,750,992	\$0.02
6. Primary	4,445,824		5.15%	\$131,364	\$0.03	5,400,038	\$0.02
7. Subtransmission/Transmissi	1,590,797		1.65%	\$42,088	\$0.03	2,011,383	\$0.02
8. Total	18,736,820		20.14%	\$513,723			
SC3A							
9.							
10. Secondary/Primary	2,518,707		2.98%	\$76,013	\$0.03	3,129,343	\$0.02
11. Subtransmission	3,368,356		3.75%	\$95,653	\$0.03	4,250,688	\$0.02
12. Transmission	13,473,483		14.31%	\$365,014	\$0.03	15,829,488	\$0.02
13. Total	19,360,547		21.04%	\$536,680			
14. Total PSC 220	52,561,948	12,018,567,304		\$2,550,250			
Street and Highway Lighting							
15. SC1	-	21,939,797		\$62	\$0.000003		
16. SC2/5	-	143,910,860		\$405	\$0.000003		
17. SC3/6	-	6,505,400		\$18	\$0.000003		
18. SC4	-	9,054,339		\$25	\$0.000003		
19. Total PSC 214	-	181,410,397	0.02%	\$510			
20. Total PSC 220/214	52,561,948	12,199,977,701	100.00%	\$2,550,760			

A FY2018 May 2018-April 2019 Sales Forecast, based on the NMPC sales forecast updated November 2017.

B FY2018 May 2018-April 2019 Sales Forecast, based on the NMPC sales forecast updated November 2017.

C ICP Transmission Allocator from 2017 Embedded Cost of Service Study

D Column (C) *Total Costs Column (D20)

D(20) Total Costs (Vendor, Project Management, Participant payment)

E Column (D) / Column (B or A)

F Column (A)* SC7 Contract Demand

G Equals Column (E), or Column (D) / Column (F)

**NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
ALLOCATION OF ESTIMATED DEMAND RESPONSE COSTS
2018 DISTRIBUTION LOAD RELIEF AND DIRECT LOAD CONTROL PROGRAMS DLM SURCHARGE**

SC7

Design Service Class	Program Year Forecast May- November 2018 kW Billed (A)	Program Year Forecast May- November 2018 kWh Sales (B)	NCP Primary Allocator (C)	Allocation of Estimated DR Costs (D)	Forecast May- November 2018 Surcharge Rate (E)	SC7 Contract Demand (F)	Forecast May- November 2018 Surcharge Rate (G)
1. SC1	-	11,070,319,425	51.13%	\$279,089	\$0.000025		\$0.000025
2. SC1C	-	314,463,618	1.07%	\$5,841	\$0.000019		
3. SC2ND	-	633,784,260	2.98%	\$16,266	\$0.000026		\$0.000026
4. SC2D	14,464,581		17.17%	\$93,721	\$0.01	19,090,202	\$0.00
SC3							
5. Secondary	12,700,200		16.71%	\$91,210	\$0.01	15,750,992	\$0.01
6. Primary	4,445,824		6.34%	\$34,606	\$0.01	5,400,038	\$0.01
7. Subtransmission/Transmission	1,590,797		0.00%	\$0	\$0.00	2,011,383	\$0.00
8. Total	18,736,820		23.05%	\$125,817			
SC3A							
9.							
10. Secondary/Primary	2,518,707		3.70%	\$20,196	\$0.01	3,129,343	\$0.01
11. Subtransmission	3,368,356		0.00%	\$0	\$0.00	4,250,688	\$0.00
12. Transmission	13,473,483		0.00%	\$0	\$0.00	15,829,488	\$0.00
13. Total	19,360,547		3.70%	\$20,196			
14. Total PSC 220	52,561,948	12,018,567,304		\$540,930			
Street and Highway Lighting							
15. SC1	-	21,939,797		\$594	\$0.000027		
16. SC2/5	-	143,910,860		\$3,897	\$0.000027		
17. SC3/6	-	6,505,400		\$176	\$0.000027		
18. SC4	-	9,054,339		\$245	\$0.000027		
19. Total PSC 214	-	181,410,397	0.90%	\$4,913			
20. Total PSC 220/214	52,561,948	12,199,977,701	100.00%	\$545,843			

- A FY2018 May 2018-April 2019 Sales Forecast, based on the NMPC sales forecast updated November 2017.
 B FY2018 May 2018-April 2019 Sales Forecast, based on the NMPC sales forecast updated November 2017.
 C NCP Primary Allocator from 2017 Embedded Cost of Service Study
 D Column (C) *Total Costs Column (D20)
 D(20) Total Costs (Vendor, Project Management, Participant payment)
 E Column (D) / Column (B or A)
 F Column (A)* SC7 Contract Demand
 G Equals Column (E), or Column (D) / Column (F)