

NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: SEPTEMBER 28, 2017

STATEMENT TYPE: SC
WORKPAPER FOR STATEMENT NO. 70
Attachment 1
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"Balance of the ESRM"
Rule 46.3.2 and Rule 46.3.3

Dollar Reconciliations					Cost Month August 2017		
1	Rule 46.3.3.1 Actual Electricity Supply Costs				\$ 58,874,136.42		
Actual Net Market Value (OMVC) of Self-Reconciling Mechanisms and Adjustment:							
2	Actual OMVC of Legacy Hedges (excluding NYPA R&D Contracts)				\$ 3,831,183.870		
3	Actual OMVC of Nine Mile 2 RSA Agreement				\$ -		
4	Actual OMVC of NYPA R&D Contracts				\$ (57,298.75)		
5	Actual OMVC of New Hedges				\$ 13,508,938.73		
6	Subtotal				\$ 17,282,823.85		
7	Actual Market Cost of Electricity Supply (Line 1 minus Line 6)				\$ 41,591,312.57		
8	Rule 46.1 ESCost Revenue from All Commodity Customers				\$ 47,298,973.53		
9	Balance of the ESRM (Line 7 minus Line 8)				\$ (5,707,660.96)		
Rule 46.3.2 Mass Market Adjustment							
	Service Classification	ISO Zone (Subzone#)	Forecast Commodity Rate	Actual Commodity Rate	Actual Hedged Sales Volumes (kWh)	Mass Market Adjustment	
10	S.C. No. 1	A - West (1)	0.04407	0.03985	195,955,336	\$ (826,931.52)	
11		B - Genesee (29)	0.03660	0.03622	55,574,775	\$ (21,118.41)	
12		C - Central (2)	0.03783	0.03683	164,660,049	\$ (164,660.05)	
13		D - North (31)	0.03317	0.03242	11,490,628	\$ (8,617.97)	
14		E - Mohawk V (3)	0.03800	0.03692	116,347,699	\$ (125,655.51)	
15		F - Capital (4)	0.03999	0.03936	275,894,304	\$ (173,813.41)	
16	S.C. No. 2ND	A - West (1)	0.04772	0.04428	7,620,991	\$ (26,216.21)	
17		B - Genesee (29)	0.03936	0.03940	2,052,026	\$ 82.08	
18		C - Central (2)	0.04068	0.04008	6,151,424	\$ (3,690.85)	
19		D - North (31)	0.03572	0.03538	519,116	\$ (176.50)	
20		E - Mohawk V (3)	0.04083	0.04011	5,338,107	\$ (3,843.44)	
21		F - Capital (4)	0.04248	0.04238	12,266,720	\$ (1,226.67)	
22	Sum Lines 10 through Line 21					\$ (1,355,868.47)	
23	Rule 46.3.3 Supply Service Adjustment (Line 9 minus Line 22)					\$ (4,351,792.49)	
24	Balance of the ESRM plus Sales Reconciliation, calculated for August 2017 Billing					\$ 6,105,311.13	
25	Balance of the ESRM Billed in August 2017					\$ 5,708,858.07	
26	Balance of the ESRM Sales Reconciliation for October 2017 billing (Line 24 minus Line 25)					\$ 396,453.06	
Rate Calculations							
28	Supply Service Adjustment factor for all Commodity Customers ((Line 23 / Line 27)					(0.004374)	
29	Balance of the ESRM Reconciliation Factor (Line 26/ Line 27)					0.000398	
Balance of the ESRM Rates (\$/kWh)							
30	Unhedged & MHP customers (Line 28 + Line 29)					(0.003976)	
Balance of the ESRM Rates SC-1 and SC-2ND Customers(\$/kWh):							
			Forecast Commodity Sales for Billing Month	Mass Market Adjustment Factor	Supply Service Adj Factor	Balance of the ESRM Reconciliation Factor	Balance of the ESRM rates (\$/kWh)
31	S.C. No. 1	A - West (1)	150,606,436	(0.005491)	(0.004374)	0.000398	(0.009467)
32		B - Genesee (29)	47,998,596	(0.000440)	(0.004374)	0.000398	(0.004416)
33		C - Central (2)	129,800,437	(0.001269)	(0.004374)	0.000398	(0.005245)
34		D - North (31)	10,767,065	(0.000800)	(0.004374)	0.000398	(0.004776)
35		E - Mohawk V (3)	95,606,855	(0.001314)	(0.004374)	0.000398	(0.005290)
36		F - Capital (4)	221,038,172	(0.000786)	(0.004374)	0.000398	(0.004762)
37	S.C. No. 2ND	A - West (1)	6,391,846	(0.004102)	(0.004374)	0.000398	(0.008078)
38		B - Genesee (29)	1,863,125	0.000044	(0.004374)	0.000398	(0.003932)
39		C - Central (2)	5,355,956	(0.000689)	(0.004374)	0.000398	(0.004665)
40		D - North (31)	482,965	(0.000365)	(0.004374)	0.000398	(0.004341)
41		E - Mohawk V (3)	4,336,048	(0.000886)	(0.004374)	0.000398	(0.004862)
42		F - Capital (4)	10,168,342	(0.000121)	(0.004374)	0.000398	(0.004097)
			684,415,842				

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New Hedge Adjustment
Rule 46.3.1

Portfolio Zones A-E

	August 2017	October 2017
1 Forecast Net Market Value (OMVC) of New Hedges		\$ 6,729,844.88
2 Actual Net Market Value (OMVC) of New Hedges	\$ 7,454,911.30	
3 Prior New Hedge Adjustment reconciliation calculated for August 2017 Billing	\$ (288,785.91)	
4 Prior Supply Reconciliation Balance reconciliation calculated for August 2017 Billing	\$ -	
5 Intended Billing (Line 2 + Line 3 + Line 4)	\$ 7,166,125.39	
6 New Hedge Adjustment Billed Revenue	\$ 3,796,002.45	
7 Reconciliation of Billed Revenue (Line 5 - Line 6)		\$ 3,370,122.94
8 New Hedge Adjustment for October 2017 Billing (Line 1 + Line 7)		\$ 10,099,967.82
Rate Calculation		Billing Month October 2017
9 Forecast SC-1 and SC-2ND Commodity Sales in Billing Month (kWh)		453,209,328
10 New Hedge Adjustment (Line 8/ Line 9)		\$ 0.022285

Portfolio Zone F

	August 2017	October 2017
11 Forecast Net Market Value (OMVC) of New Hedges		\$ 4,468,628.72
12 Actual Net Market Value (OMVC) of New Hedges	\$ 6,054,027.43	
13 Prior New Hedge Adjustment reconciliation calculated for August 2017 Billing	\$ (497,429.88)	
14 Prior Supply Reconciliation Balance reconciliation calculated for August 2017 Billing	\$ -	
15 Intended Billing (Line 12 + Line 13 + Line 14)	\$ 5,556,597.55	
16 New Hedge Adjustment Billed Revenue	\$ 4,742,704.95	
17 Reconciliation of Billed Revenue (Line 15 - Line 16)		\$ 813,892.60
18 New Hedge Adjustment for October 2017 Billing (Line 11 + Line 17)		\$ 5,282,521.32
Rate Calculation		Billing Month October 2017
19 Forecast SC-1 and SC-2ND Commodity Sales in Billing Month (kWh)		231,206,514
20 New Hedge Adjustment (Line 18/ Line 19)		\$ 0.022848

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Legacy Transition Charge
Rule 46.2
(exclusive of the Rule 46.2.6 NYPA Benefit)

		<u>August 2017</u>	<u>October 2017</u>
1	Forecast Net Market Value (OMVC) of Legacy Hedges		\$ 4,958,051.01
2	Scheduled Nine Mile 2 RSA Credit		\$ -
3	Actual Net Market Value (OMVC) of Legacy Hedges	\$ 3,831,183.87	
4	Nine Mile 2 RSA Credit	\$ -	
5	Prior LTC reconciliation calculated for August 2017 Billing	<u>\$ 2,168,376.61</u>	
6	Intended Billing (Line 3 + Line 4 + Line 5)	\$ 5,999,560.48	
7	Legacy Transition Charge Billed Revenue	\$ 5,323,287.72	
8	Reconciliation of Billed Revenue (Line 6 - Line 7)		<u>\$ 676,272.76</u>
9	Legacy Transition Charge for October 2017 Billing (Line 1 + Line 2 + Line 8)		\$ 5,634,323.77
			Billing Month
	<u>Rate Calculation</u>		<u>October 2017</u>
10	Forecast Total Delivery Sales in Billing Month (kWh) *		2,324,056,186
11	Legacy Transition Charge (Line 9/ Line 10)		\$ 0.002424

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Nine Mile 2 Revenue Sharing Agreement
Rule 46.2.7
Record of Quarterly Payments and Calculation of Interest on Deferred RSA Credits

*									Customer		Customer			
Billing Month	Beginning Balance	RSA Collection from Constellation	Credit of Prior Month Interest	Credit One-Third RSA Collection	Interest Credited In Advance	TOTAL RSA CREDIT	Monthly Activity	Balance for Interest Calc	Deposit Rate (Annual)	Deposit Rate (Monthly)	Current Month Earned Interest	Ending Balance	Month Payment is Received	
(A)	(B)		(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)		
Oct-15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		0.00%	\$0.00	\$0.00	September 2015	
Nov-15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		0.00%	\$0.00	\$0.00	October 2015	
Dec-15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		0.00%	\$0.00	\$0.00	November 2015	
Jan-16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		0.00%	\$0.00	\$0.00	December 2015	
Feb-16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		0.00%	\$0.00	\$0.00	January 2016	
Mar-16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		0.00%	\$0.00	\$0.00	February 2016	
Apr-16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		0.00%	\$0.00	\$0.00	March 2016	
May-16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		0.00%	\$0.00	\$0.00	April 2016	
Jun-16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		0.00%	\$0.00	\$0.00	May 2016	
Jul-16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		0.00%	\$0.00	\$0.00	June 2016	
Aug-16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		0.00%	\$0.00	\$0.00	July 2016	
Sep-16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		0.00%	\$0.00	\$0.00	August 2016	
Oct-16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		0.00%	\$0.00	\$0.00	September 2016	
Nov-16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		0.00%	\$0.00	\$0.00	October 2016	
Dec-16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		0.00%	\$0.00	\$0.00	November 2016	
Jan-17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		0.00%	\$0.00	\$0.00	December 2016	
Feb-17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		0.00%	\$0.00	\$0.00	January 2017	
Mar-17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		0.00%	\$0.00	\$0.00	February 2017	
Apr-17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		0.00%	\$0.00	\$0.00	March 2017	
May-17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		0.00%	\$0.00	\$0.00	April 2017	
Jun-17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		0.00%	\$0.00	\$0.00	May 2017	
Jul-17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		0.00%	\$0.00	\$0.00	June 2017	
Aug-17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		0.00%	\$0.00	\$0.00	July 2017	
Sep-17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		0.00%	\$0.00	\$0.00	August 2017	
Oct-17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		0.00%	\$0.00	\$0.00	September 2017	

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NYPA Hydropower Benefit Mechanism ("NYPA Benefit")
Rule 46.2.6

NYPA R&D CONTRACTS		
	August 2017	October 2017
1 Forecast Net Market Value (OMVC) of NYPA R&D Contracts		\$ (51,096.28)
2 Actual Net Market Value (OMVC) of NYPA R&D Contracts	\$ (57,298.75)	
3 Prior NYPA R&D reconciliation calculated for August 2017 Billing	\$ (37,617.46)	
4 Intended Billing (Line 2 + Line 3)	\$ (94,916.21)	
5 NYPA Benefit (R&D Contracts) Billed Revenue	\$ (390,165.58)	
6 Reconciliation of Billed Revenue (Line 4 - Line 5)		\$ 295,249.37
7 NYPA Benefit (R&D Contracts) for October 2017 Billing (Line 1 + Line 6)		\$ 244,153.09
Rate Calculation		Billing Month October 2017
8 Forecast SC-1 and SC-1C Delivery Sales in Billing Month (kWh)		834,625,731
9 NYPA Benefit (R&D Contracts) rate (Line 7/ Line 8)		\$ 0.000293

RECHARGE NY RESIDENTIAL CONSUMER DISCOUNT (RCD) PAYMENT		
	August 2017	October 2017
10 RCD Payment for upcoming billing month		\$ (761,566.67)
11 Actual RCD Payment Booked	\$ (761,566.67)	
12 Prior RCD Payment reconciliation calculated for August 2017 Billing	\$ (2,785.87)	
13 Intended Billing (Line 11 + Line 12)	\$ (764,352.54)	
14 NYPA Benefit (RCD) Billed Revenue	\$ (742,871.87)	
15 Reconciliation of NYPA RCD Billed Revenue (Line 13 - Line 14)		\$ (21,480.67)
16 Actual RAD payment Booked	\$ (276,933.33)	
17 NYPA Benefit (RAD) Billed Revenue	\$ (255,014.42)	
18 Reconciliation of Billed Revenue (Line 16 - Line 17)		\$ (21,918.91)
19 NYPA Benefit (RCD) for October 2017 Billing (Line 10 + Line 15+ Line 18)		\$ (804,966.25)
Rate Calculation		Billing Month October 2017
20 Forecast SC-1 and SC-1C Delivery Sales in Billing Month (kWh)		834,625,731
21 NYPA Benefit (RCD) rate (Line 19/ Line 20)		\$ (0.000964)

RESIDENTIAL AGRICULTURAL DISCOUNT (RAD) PAYMENT		
		October 2017
22 NYPA RAD Payment for upcoming billing month		\$ (276,933.33)
	#	
Rate Calculation		Billing Month October 2017
23 Forecast SC-1 and SC-1C RAD Customers Sales in Billing month (kWh)		9,536,039
24 NYPA Benefit (RAD) rate (Line 22/ Line 23)		\$ (0.029041)

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Supply Reconciliation Balance
Rule 46.3.4

FOR THE BILLING MONTH OF
October 2017

1	<u>Beginning Balance Deferred</u>	\$	-	\$	-	
		Total Customer Reconciliations	Zone A-E Mass Market	Zone F Mass Market	Unhedged	
2	NHA	\$ 4,184,015.54	\$ 3,370,122.94	\$ 813,892.60		
3	MMA	\$ (1,355,868.47)	\$ (1,180,828.39)	\$ (175,040.08)		
4	SSA	\$ (4,351,792.49)	\$ (1,982,172.92)	\$ (1,011,213.27)	\$ (1,358,406.30)	
5	Balance of ESRM	\$ 396,453.06	\$ 180,578.12	\$ 92,122.64	\$ 123,752.30	
6	Total Reconciliations Available	\$ (1,127,192.36)	\$ 387,699.76	\$ (280,238.12)	\$ (1,234,654.00)	
7	Flex Account Adjustment		\$ -	\$ -		
8	Net Monthly Customer Charges / (Credits) (Lines 2+3+4+5+7)		\$ 387,699.76	\$ (280,238.12)	\$ (1,234,654.00)	
9	<u>Ending Balance Deferred</u>	\$	-	\$	-	
10	Forecast Sales		453,209,328	231,206,514		
11	Supply Balance Reconciliation Rate (Line 7 / Line 10)	\$	-	\$	-	