

NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: OCTOBER 30, 2017

STATEMENT TYPE: SC
WORKPAPER FOR STATEMENT NO. 71
Attachment 1
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"Balance of the ESRM"
Rule 46.3.2 and Rule 46.3.3

Dollar Reconciliations				Cost Month September 2017			
1	Rule 46.3.3.1 Actual Electricity Supply Costs			\$	50,935,910.82		
Actual Net Market Value (OMVC) of Self-Reconciling Mechanisms and Adjustment:							
2	Actual OMVC of Legacy Hedges (excluding NYPA R&D Contracts)			\$	2,778,148.000		
3	Actual OMVC of Nine Mile 2 RSA Agreement			\$	-		
4	Actual OMVC of NYPA R&D Contracts			\$	(100,019.81)		
5	Actual OMVC of New Hedges			\$	10,120,021.73		
6	Subtotal			\$	12,798,149.92		
7	Actual Market Cost of Electricity Supply (Line 1 minus Line 6)			\$	38,137,760.90		
8	Rule 46.1 ESCost Revenue from All Commodity Customers			\$	36,422,872.39		
9	Balance of the ESRM (Line 7 minus Line 8)			\$	1,714,888.51		
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)	0.03644	0.03724	170,981,993	\$ 136,785.59	
11		B - Genesee (29)	0.03225	0.03471	51,593,021	\$ 126,918.83	
12		C - Central (2)	0.03325	0.03520	143,749,806	\$ 280,312.12	
13		D - North (31)	0.02935	0.02699	10,947,472	\$ (25,836.03)	
14		E - Mohawk V (3)	0.03341	0.03458	99,321,737	\$ 116,206.43	
15		F - Capital (4)	0.03616	0.03728	242,118,271	\$ 271,172.46	
16	S.C. No. 2ND	A - West (1)	0.03949	0.04155	7,189,668	\$ 14,810.72	
17		B - Genesee (29)	0.03475	0.03804	2,133,494	\$ 7,019.20	
18		C - Central (2)	0.03582	0.03859	5,762,814	\$ 15,962.99	
19		D - North (31)	0.03169	0.02997	512,569	\$ (881.62)	
20		E - Mohawk V (3)	0.03596	0.03788	4,590,060	\$ 8,812.92	
21		F - Capital (4)	0.03854	0.04051	10,826,794	\$ 21,328.78	
22	Sum Lines 10 through Line 21					\$ 972,612.40	
23	Rule 46.3.3 Supply Service Adjustment (Line 9 minus Line 22)			\$		742,276.11	
24	Balance of the ESRM' plus Sales Reconciliation, calculated for September 2017 Billing			\$		1,401,377.83	
25	Balance of the ESRM' Billed in September 2017			\$		1,487,891.44	
26	Balance of the ESRM Sales Reconciliation for November 2017 billing (Line 24 minus Line 25)			\$		(86,513.61)	
Rate Calculations				Billing Month November 2017			
28	Supply Service Adjustment factor for all Commodity Customers ((Line 23 / Line 27)					0.000743	
29	Balance of the ESRM Reconciliation Factor (Line 26/ Line 27)					(0.000087)	
Balance of the ESRM Rates (\$/kWh)							
30	Unhedged & MHP customers (Line 28 + Line 29)					0.000656	
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)	153,174,883	0.000893	0.000743	(0.000087)	0.001549
32		B - Genesee (29)	48,885,671	0.002596	0.000743	(0.000087)	0.003252
33		C - Central (2)	131,530,025	0.002131	0.000743	(0.000087)	0.002787
34		D - North (31)	11,085,691	(0.002331)	0.000743	(0.000087)	(0.001675)
35		E - Mohawk V (3)	97,748,081	0.001189	0.000743	(0.000087)	0.001845
36		F - Capital (4)	225,680,497	0.001202	0.000743	(0.000087)	0.001858
37	S.C. No. 2ND	A - West (1)	6,625,627	0.002235	0.000743	(0.000087)	0.002891
38		B - Genesee (29)	1,928,637	0.003639	0.000743	(0.000087)	0.004295
39		C - Central (2)	5,475,137	0.002916	0.000743	(0.000087)	0.003572
40		D - North (31)	500,303	(0.001762)	0.000743	(0.000087)	(0.001106)
41		E - Mohawk V (3)	4,448,104	0.001981	0.000743	(0.000087)	0.002637
42		F - Capital (4)	10,425,254	0.002046	0.000743	(0.000087)	0.002702
			697,507,911				

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New Hedge Adjustment
Rule 46.3.1

Portfolio Zones A-E

	<u>September 2017</u>	<u>November 2017</u>
1 Forecast Net Market Value (OMVC) of New Hedges		\$ 5,743,326.58
2 Actual Net Market Value (OMVC) of New Hedges	\$ 5,777,114.06	
3 Prior New Hedge Adjustment reconciliation calculated for September 2017 Billing	\$ 438,043.43	
4 Prior Supply Reconciliation Balance reconciliation calculated for September 2017 Billing	\$ -	
5 Intended Billing (Line 2 + Line 3 + Line 4)	\$ 6,215,157.49	
6 New Hedge Adjustment Billed Revenue	\$ 5,804,234.31	
7 Reconciliation of Billed Revenue (Line 5 - Line 6)		\$ 410,923.18
8 New Hedge Adjustment for November 2017 Billing (Line 1 + Line 7)		\$ 6,154,249.76
<u>Rate Calculation</u>		<u>Billing Month November 2017</u>
9 Forecast SC-1 and SC-2ND Commodity Sales in Billing Month (kWh)		461,402,160
10 New Hedge Adjustment (Line 8/ Line 9)		\$ 0.013338

Portfolio Zone F

	<u>September 2017</u>	<u>November 2017</u>
11 Forecast Net Market Value (OMVC) of New Hedges		\$ 3,271,314.17
12 Actual Net Market Value (OMVC) of New Hedges	\$ 4,342,907.67	
13 Prior New Hedge Adjustment reconciliation calculated for September 2017 Billing	\$ 1,108,033.27	
14 Prior Supply Reconciliation Balance reconciliation calculated for September 2017 Billing	\$ -	
15 Intended Billing (Line 12 + Line 13 + Line 14)	\$ 5,450,940.94	
16 New Hedge Adjustment Billed Revenue	\$ 5,213,044.88	
17 Reconciliation of Billed Revenue (Line 15 - Line 16)		\$ 237,896.06
18 New Hedge Adjustment for November 2017 Billing (Line 11 + Line 17)		\$ 3,509,210.23
<u>Rate Calculation</u>		<u>Billing Month November 2017</u>
19 Forecast SC-1 and SC-2ND Commodity Sales in Billing Month (kWh)		236,105,751
20 New Hedge Adjustment (Line 18/ Line 19)		\$ 0.014863

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

		<u>September 2017</u>	<u>November 2017</u>
1	Forecast Net Market Value (OMVC) of Legacy Hedges		\$ 5,798,133.86
2	Scheduled Nine Mile 2 RSA Credit		\$ -
3	Actual Net Market Value (OMVC) of Legacy Hedges	\$ 2,778,148.00	
4	Nine Mile 2 RSA Credit	\$ -	
5	Prior LTC reconciliation calculated for September 2017 Billing	<u>\$ 3,979,430.95</u>	
6	Intended Billing (Line 3 + Line 4 + Line 5)	<u>\$ 6,757,578.95</u>	
7	Legacy Transition Charge Billed Revenue	\$ 6,397,271.57	
8	Reconciliation of Billed Revenue (Line 6 - Line 7)		<u>\$ 360,307.38</u>
9	Legacy Transition Charge for November 2017 Billing (Line 1 + Line 2 + Line 8)		\$ 6,158,441.24
	<u>Rate Calculation</u>		<u>Billing Month</u> <u>November 2017</u>
10	Forecast Total Delivery Sales in Billing Month (kWh) *		2,310,342,434
11	Legacy Transition Charge (Line 9/ Line 10)		\$ 0.002666

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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

* Billing Beginning RSA Collection			Credit of Prior Credit One-Third Interest Credited TOTAL				Monthly	Customer		Customer	Current Month	Ending	Month Payment
Month	Balance	from Constellation	Month Interest	RSA Collection	In Advance	RSA CREDIT		Balance for	Deposit Rate	Deposit Rate			
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	
Jun-15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		0.00%	\$0.00	\$0.00	May 2015
Jul-15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00	\$0.00	June 2015
Aug-15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00	\$0.00	July 2015
Sep-15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00	\$0.00	August 2015
Oct-15	\$0.00	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$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	\$0.00	September 2017
Nov-17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00	\$0.00	October 2017

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

NYPA R&D CONTRACTS		
	<u>September 2017</u>	<u>November 2017</u>
1 Forecast Net Market Value (OMVC) of NYPA R&D Contracts		\$ 264,285.43
2 Actual Net Market Value (OMVC) of NYPA R&D Contracts	\$ (100,019.81)	
3 Prior NYPA R&D reconciliation calculated for September 2017 Billing	<u>\$ 439,412.48</u>	
4 Intended Billing (Line 2 + Line 3)	<u>\$ 339,392.67</u>	
5 NYPA Benefit (R&D Contracts) Billed Revenue	\$ 257,205.92	
6 Reconciliation of Billed Revenue (Line 4 - Line 5)		<u>\$ 82,186.75</u>
7 NYPA Benefit (R&D Contracts) for November 2017 Billing (Line 1 + Line 6)		\$ 346,472.18
Rate Calculation		<u>Billing Month</u> <u>November 2017</u>
8 Forecast SC-1 and SC-1C Delivery Sales in Billing Month (kWh)		849,915,507
9 NYPA Benefit (R&D Contracts) rate (Line 7/ Line 8)		\$ 0.000408

RECHARGE NY RESIDENTIAL CONSUMER DISCOUNT (RCD) PAYMENT		
	<u>September 2017</u>	<u>November 2017</u>
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 September 2017 Billing	<u>\$ (47,651.32)</u>	
13 Intended Billing (Line 11 + Line 12)	<u>\$ (809,217.99)</u>	
14 NYPA Benefit (RCD) Billed Revenue	\$ (750,395.48)	
15 Reconciliation of NYPA RCD Billed Revenue (Line 13 - Line 14)		<u>\$ (58,822.51)</u>
16 Actual RAD payment Booked	\$ (276,933.33)	
17 NYPA Benefit (RAD) Billed Revenue	<u>\$ (183,689.05)</u>	
18 Reconciliation of Billed Revenue (Line 16 - Line 17)		<u>\$ (93,244.28)</u>
19 NYPA Benefit (RCD) for November 2017 Billing (Line 10 + Line 15+ Line 18)		\$ (913,633.45)
Rate Calculation		<u>Billing Month</u> <u>November 2017</u>
20 Forecast SC-1 and SC-1C Delivery Sales in Billing Month (kWh)		849,915,507
21 NYPA Benefit (RCD) rate (Line 19/ Line 20)		\$ (0.001075)

RESIDENTIAL AGRICULTURAL DISCOUNT (RAD) PAYMENT		
		<u>November 2017</u>
22 NYPA RAD Payment for upcoming billing month		\$ (276,933.33)
Rate Calculation		<u>Billing Month</u> <u>November 2017</u>
23 Forecast SC-1 and SC-1C RAD Customers Sales in Billing month (kWh)		6,942,247
24 NYPA Benefit (RAD) rate (Line 22/ Line 23)		\$ (0.039891)

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Supply Reconciliation Balance
Rule 46.3.4

FOR THE BILLING MONTH OF
November 2017

1	<u>Beginning Balance Deferred</u>	\$	-	\$	-	
		Total Customer Reconciliations	Zone A-E Mass Market	Zone F Mass Market	Unhedged	
2	NHA	\$ 648,819.24	\$ 410,923.18	\$ 237,896.06		
3	MMA	\$ 972,612.40	\$ 680,111.15	\$ 292,501.25		
4	SSA	\$ 742,276.11	\$ 342,639.53	\$ 175,333.30	\$ 224,303.28	
5	Balance of ESRM	\$ (86,513.61)	\$ (39,935.25)	\$ (20,435.41)	\$ (26,142.95)	
6	Total Reconciliations Available	\$ 2,277,194.13	\$ 1,393,738.60	\$ 685,295.20	\$ 198,160.33	
7	Flex Account Adjustment		\$ -	\$ -		
8	Net Monthly Customer Charges / (Credits) (Lines 2+3+4+5+7)		\$ 1,393,738.60	\$ 685,295.20	\$ 198,160.33	
9	<u>Ending Balance Deferred</u>	\$	-	\$	-	
10	Forecast Sales		461,402,160	236,105,751		
11	Supply Balance Reconciliation Rate (Line 7 / Line 10)	\$	-	\$	-	