

**Orange and Rockland Utilities, Inc.**  
 Market Supply Charge Workpaper  
 Reconciliation for the Month of July 2016  
 To be Billed in September 2016

**ACTUAL MSC COSTS**

Actual POLR Energy, Capacity and Ancillary Services	
Purchases Recoverable through MSC (excluding Hedging Impacts)	\$11,880,889
Prior Month's (Over)/Under Recovery Excl Forecast Hedging (A)	134,384
Prior Month's Hedging (Over)/Under Recovery (B)	575,767
Prior Month's Actual Hedging	<u>797,801</u>
Total	13,388,842

**ACTUAL MSC RECOVERIES**14,221,921**(OVER)/UNDER RECOVERY**

(833,079)

**HEDGING-RELATED PORTION OF (OVER)/UNDER RECOVERY (C)**

369,558

**(OVER)/UNDER RECOVERY EXCLUDING HEDGING IMPACTS (D)**

(1,202,637)

(A) Reflects the (over)/under recovery from May 2016 per Page 1 of 3 of the July 2016 MSC workpapers, excluding the forecast hedging (gain)/loss.

(B) Reflects the hedging (over)/under recovery from May 2016 per Page 1 of 3 of the July 2016 MSC Workpapers.

(C)	Actual July 2016 Hedging (Gain)/Loss	797,801
	Forecast Hedging (Gain)/Loss from July 2016 MSC Filing	<u>428,243</u>
	Difference (Over)/Under	369,558

(D) To be recovered in the September 2016 MSC.

**Orange and Rockland Utilities, Inc.**

## Estimated Sales Workpaper

September-16

<u>Service Classification</u>	<u>Estimated Billed Sales (kWh)</u>	<u>Scheduled ESCO @ Meter (kWh)</u>	<u>Estimated Mandatory DAHP Sales (kWh)</u>	<u>Estimated Net POLR Sales (incl SC 9/22/25) Sales (kWh)</u>	<u>Estimated Net POLR Sales (excl SC 9/22/25) Sales (kWh)</u>
1	164,846,000	69,457,819	0	95,388,181	95,388,181
2/25 (Rate 1) Sec	85,655,000	57,568,126	1,053,573	27,033,301	27,033,301
2 Pri	3,588,000	1,996,625	957,682	633,694	633,694
3/25 (Rate 2)	32,313,000	28,932,091	2,022,492	1,358,417	1,358,417
9/22/25 (Rates 3 & 4) Pri	42,114,000	37,520,422	4,593,578	0	0
9/22/25 (Rates 3 & 4) Sub	14,835,000	14,738,233	96,767	0	0
9/22/25 (Rates 3 & 4) Trans	15,586,000	4,474,085	11,111,915	0	0
19	8,743,000	4,953,185	0	3,789,815	3,789,815
20	7,238,000	6,176,111	0	1,061,889	1,061,889
21	4,110,000	3,960,476	0	149,524	149,524
5	250,000	205,318	0	44,682	44,682
4/6/16	2,610,000	1,677,465	0	932,535	<u>932,535</u>
Total	<u>381,888,000</u>	<u>231,659,956</u>	<u>19,836,007</u>	<u>130,392,038</u>	<u>130,392,038</u>

## Market Supply Charge Workpaper

Effective: September 1, 2016

## A. Calculation of MSC Adjustment:

1 Adjusted Reconciliation Costs excluding Hedging Impacts (A)	\$ (1,202,637)
2 Reconciliation of Hedging (Gain)/Loss (A)	\$ 369,558
3 Estimated POLR Sales Incl SC 9/22/25 (B)	130,392,038
4 Estimated POLR Sales Excl SC 9/22/25 (B)	130,392,038
5 Reconciliation Costs excluding Hedging Impacts (Line 1 / Line 3)	\$ (0.00922) per kWh
6 Hedging (Gain)/Loss (Line 2 / Line 4)	\$ 0.00283 per kWh

## B. Calculation of Current Month Hedging Adjustment:

7 Forecast Hedging Cost	\$ 851,129
8 Estimated POLR Sales Excl SC 9/22/25 (B)	130,392,038
9 Forecast Hedging (Gain)/Loss (Line 7 / Line 8)	\$ 0.00653 per kWh

## C. MSC Detail:

	Units	SC2/25 (Rate 1)		SC2	SC3	SC4/6/16	SC5	SC9/22/25*	SC9/22/25*	SC9/22/25*	SC19	SC20	SC21
		SC1	Secondary	Primary				Primary	Substation	Transmission			
10 Forecast MSC Component	\$/kWh	0.03148	0.03199	0.03089	0.03089	0.02863	0.03072	0.03089	0.03005	0.02998			
	Peak										0.03687	0.03687	0.03607
	Off Peak										0.02815	0.03054	0.02952
11 Capacity Component	\$/kWh	0.03565	0.02890	0.01863	0.01863	-	0.02011	0.01863	0.01613	0.02545	0.03565	0.02890	0.01863
12 Forecast Hedging (Gain)/Loss (Line 9)	\$/kWh	0.00653	0.00653	0.00653	0.00653	0.00653	0.00653				0.00653	0.00653	0.00653
13 Total Forecast MSC Component (Line 10 + Line 11 + Line 12)	\$/kWh	0.07366	0.06742	0.05605	0.05605	0.03516	0.05736	0.04952	0.04618	0.05543			
	Peak										0.07905	0.07230	0.06123
	Off Peak										0.07033	0.06597	0.05468
Market Supply Charge Adjustments:													
14 Reconciliation Costs excluding Hedging Impacts (Line 5)	\$/kWh	(0.00922)	(0.00922)	(0.00922)	(0.00922)	(0.00922)	(0.00922)	(0.00922)	(0.00922)	(0.00922)	(0.00922)	(0.00922)	(0.00922)
15 Hedging (Gain)/Loss (Line 6)	\$/kWh	0.00283	0.00283	0.00283	0.00283	0.00283	0.00283	-	-	-	0.00283	0.00283	0.00283
16 Total MSC Adjustment (Line 14 + Line 15)	\$/kWh	(0.00639)	(0.00639)	(0.00639)	(0.00639)	(0.00639)	(0.00639)	(0.00922)	(0.00922)	(0.00922)	(0.00639)	(0.00639)	(0.00639)
17 Total MSC (Line 13 + Line 16)	\$/kWh	0.06727	0.06103	0.04966	0.04966	0.02877	0.05097	0.04030	0.03696	0.04621			
	Peak										0.07266	0.06591	0.05484
	Off Peak										0.06394	0.05958	0.04829

## Notes:

\* Applies to customers exempt from Mandatory Day-Ahead Hourly Pricing

(A) See Page 1 of 3.

(B) See Page 2 of 3.