

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

**ACTUAL MSC COSTS**

Actual POLR Energy, Capacity and Ancillary Services	
Purchases Recoverable through MSC (excluding Hedging Impacts)	\$8,525,154
Prior Month's (Over)/Under Recovery Excl Forecast Hedging (A)	(1,202,637)
Prior Month's Hedging (Over)/Under Recovery (B)	369,558
Prior Month's Actual Hedging	<u>1,287,786</u>
Total	8,979,861

**ACTUAL MSC RECOVERIES**8,525,447**(OVER)/UNDER RECOVERY**

454,414

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

436,657

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

17,757

- (A) Reflects the (over)/under recovery from July 2016 per Page 1 of 3 of the September 2016 MSC workpapers, excluding the forecast hedging (gain)/loss.
- (B) Reflects the hedging (over)/under recovery from July 2016 per Page 1 of 3 of the September 2016 MSC Workpapers.
- |   |                |
|---|----------------|
| (C) Actual September 2016 Hedging (Gain)/Loss               | 1,287,786      |
| Forecast Hedging (Gain)/Loss from September 2016 MSC Filing | <u>851,129</u> |
| Difference (Over)/Under                                     | 436,657        |
- (D) To be recovered in the November 2016 MSC.

**Orange and Rockland Utilities, Inc.**

## Estimated Sales Workpaper

November-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	100,205,000	41,312,608	0	58,892,392	58,892,392
2/25 (Rate 1) Sec	63,923,000	41,795,501	519,736	21,607,763	21,607,763
2 Pri	3,022,000	1,641,967	816,695	563,337	563,337
3/25 (Rate 2)	26,975,000	23,973,709	1,614,846	1,386,444	1,386,444
9/22/25 (Rates 3 & 4) Pri	37,668,000	33,841,744	3,826,256	0	0
9/22/25 (Rates 3 & 4) Sub	14,144,000	13,053,885	1,090,115	0	0
9/22/25 (Rates 3 & 4) Trans	13,497,000	4,134,752	9,362,248	0	0
19	4,949,000	2,755,009	0	2,193,991	2,193,991
20	5,596,000	4,879,356	0	716,644	716,644
21	3,175,000	3,054,365	0	120,635	120,635
5	254,000	208,020	0	45,980	45,980
4/6/16	3,189,000	2,065,279	0	1,123,721	<u>1,123,721</u>
Total	<u>276,597,000</u>	<u>172,716,196</u>	<u>17,229,897</u>	<u>86,650,907</u>	<u>86,650,907</u>

## Market Supply Charge Workpaper

Effective: November 1, 2016

## A. Calculation of MSC Adjustment:

1 Adjusted Reconciliation Costs excluding Hedging Impacts (A)	\$	17,757
2 Reconciliation of Hedging (Gain)/Loss (A)	\$	436,657
3 Estimated POLR Sales Incl SC 9/22/25 (B)		86,650,907
4 Estimated POLR Sales Excl SC 9/22/25 (B)		86,650,907
5 Reconciliation Costs excluding Hedging Impacts (Line 1 / Line 3)	\$	0.00020 per kWh
6 Hedging (Gain)/Loss (Line 2 / Line 4)	\$	0.00504 per kWh

## B. Calculation of Current Month Hedging Adjustment:

7 Forecast Hedging Cost	\$	1,517,777
8 Estimated POLR Sales Excl SC 9/22/25 (B)		86,650,907
9 Forecast Hedging (Gain)/Loss (Line 7 / Line 8)	\$	0.01752 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	0.02977	0.03012	0.02936	0.02936	0.02799	0.02944	0.02936	0.02856	0.02850			
	Peak										0.03415	0.03415	0.03340
	Off Peak										0.02748	0.02766	0.02701
11 Capacity Component	\$/kWh	0.02082	0.01534	0.01027	0.01027	-	0.00947	0.01027	0.00850	0.01239	0.02082	0.01534	0.01027
12 Forecast Hedging (Gain)/Loss (Line 9)	\$/kWh	0.01752	0.01752	0.01752	0.01752	0.01752	0.01752				0.01752	0.01752	0.01752
13 Total Forecast MSC Component (Line 10 + Line 11 + Line 12)	\$/kWh	0.06811	0.06298	0.05715	0.05715	0.04551	0.05643	0.03963	0.03706	0.04089			
	Peak										0.07249	0.06701	0.06119
	Off Peak										0.06582	0.06052	0.05480
Market Supply Charge Adjustments:													
14 Reconciliation Costs excluding Hedging Impacts (Line 5)	\$/kWh	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020	0.00020
15 Hedging (Gain)/Loss (Line 6)	\$/kWh	0.00504	0.00504	0.00504	0.00504	0.00504	0.00504	-	-	-	0.00504	0.00504	0.00504
16 Total MSC Adjustment (Line 14 + Line 15)	\$/kWh	0.00524	0.00524	0.00524	0.00524	0.00524	0.00524	0.00020	0.00020	0.00020	0.00524	0.00524	0.00524
17 Total MSC (Line 13 + Line 16)	\$/kWh	0.07335	0.06822	0.06239	0.06239	0.05075	0.06167	0.03983	0.03726	0.04109			
	Peak										0.07773	0.07225	0.06643
	Off Peak										0.07106	0.06576	0.06004

## Notes:

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

(A) See Page 1 of 3.

(B) See Page 2 of 3.