

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

**ACTUAL MSC COSTS**

Actual POLR Energy, Capacity and Ancillary Services	
Purchases Recoverable through MSC (excluding Hedging Impacts)	\$7,475,906
Prior Month's (Over)/Under Recovery Excl Forecast Hedging (A)	(191,934)
Prior Month's Hedging (Over)/Under Recovery (B)	550,579
Prior Month's Actual Hedging	<u>1,603,554</u>
Total	9,438,105

**ACTUAL MSC RECOVERIES**8,727,953**(OVER)/UNDER RECOVERY**

710,152

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

575,767

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

134,384

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

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

(C) Actual May 2016 Hedging (Gain)/Loss	1,603,554
Forecast Hedging (Gain)/Loss from May 2016 MSC Filing	<u>1,027,787</u>
Difference (Over)/Under	575,767

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

**Orange and Rockland Utilities, Inc.**

## Estimated Sales Workpaper

July-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	169,060,000	71,095,944	0	97,964,056	97,964,056
2/25 (Rate 1) Sec	80,715,000	54,646,207	817,220	25,251,573	25,251,573
2 Pri	3,529,000	1,808,899	1,069,612	650,489	650,489
3/25 (Rate 2)	35,764,000	31,335,362	3,008,448	1,420,190	1,420,190
9/22/25 (Rates 3 & 4) Pri	47,955,000	44,198,682	3,756,318	0	0
9/22/25 (Rates 3 & 4) Sub	16,164,000	16,045,892	118,108	0	0
9/22/25 (Rates 3 & 4) Trans	16,633,000	5,216,782	11,416,218	0	0
19	8,832,000	5,243,454	0	3,588,546	3,588,546
20	7,137,000	6,235,863	0	901,137	901,137
21	4,336,000	4,142,500	0	193,500	193,500
5	256,000	209,292	0	46,708	46,708
4/6/16	2,255,000	1,434,947	0	820,053	<u>820,053</u>
Total	<u>392,636,000</u>	<u>241,613,824</u>	<u>20,185,924</u>	<u>130,836,252</u>	<u>130,836,252</u>

## Market Supply Charge Workpaper

Effective: July 1, 2016

## A. Calculation of MSC Adjustment:

1 Adjusted Reconciliation Costs excluding Hedging Impacts (A)	\$	134,384
2 Reconciliation of Hedging (Gain)/Loss (A)	\$	575,767
3 Estimated POLR Sales Incl SC 9/22/25 (B)		130,836,252
4 Estimated POLR Sales Excl SC 9/22/25 (B)		130,836,252
5 Reconciliation Costs excluding Hedging Impacts (Line 1 / Line 3)	\$	0.00103 per kWh
6 Hedging (Gain)/Loss (Line 2 / Line 4)	\$	0.00440 per kWh

## B. Calculation of Current Month Hedging Adjustment:

7 Forecast Hedging Cost	\$	428,243
8 Estimated POLR Sales Excl SC 9/22/25 (B)		130,836,252
9 Forecast Hedging (Gain)/Loss (Line 7 / Line 8)	\$	0.00327 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	0.03976	0.04036	0.03892	0.03892	0.03472	0.03870	0.03892	0.03786	0.03778			
	Peak										0.04822	0.04822	0.04717
	Off Peak										0.03501	0.03826	0.03697
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	0.00327	0.00327	0.00327	0.00327	0.00327	0.00327				0.00327	0.00327	0.00327
13 Total Forecast MSC Component (Line 10 + Line 11 + Line 12)	\$/kWh	0.07868	0.07253	0.06082	0.06082	0.03799	0.06208	0.05755	0.05399	0.06323			
	Peak										0.08714	0.08039	0.06907
	Off Peak										0.07393	0.07043	0.05887
Market Supply Charge Adjustments:													
14 Reconciliation Costs excluding Hedging Impacts (Line 5)	\$/kWh	0.00103	0.00103	0.00103	0.00103	0.00103	0.00103	0.00103	0.00103	0.00103	0.00103	0.00103	0.00103
15 Hedging (Gain)/Loss (Line 6)	\$/kWh	0.00440	0.00440	0.00440	0.00440	0.00440	0.00440	-	-	-	0.00440	0.00440	0.00440
16 Total MSC Adjustment (Line 14 + Line 15)	\$/kWh	0.00543	0.00543	0.00543	0.00543	0.00543	0.00543	0.00103	0.00103	0.00103	0.00543	0.00543	0.00543
17 Total MSC (Line 13 + Line 16)	\$/kWh	0.08411	0.07796	0.06625	0.06625	0.04342	0.06751	0.05858	0.05502	0.06426			
	Peak										0.09257	0.08582	0.07450
	Off Peak										0.07936	0.07586	0.06430

## Notes:

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

(A) See Page 1 of 3.

(B) See Page 2 of 3.