

**ORANGE AND ROCKLAND UTILITIES, INC.**

Case 15-E-0751, In the Matter of the Value of Distributed Energy Resources

Order Adopting Net Metering Successor Tariffs with modifications issued and effective August 13, 2021

CBC Workpapers

CBC Rate Design for Phase One NEM and Value Stack

	SC1	SC2 Sec NDB	SC19
<b>Phase One NEM Calculations</b>			
<b>Programs included in CBC calculation</b>			
<b>(1) SBC - Clean Energy Fund (CEF) per kWh</b>	\$0.00552	\$0.00552	\$0.00552
<b>(2) Low Income Program</b>			
Actual spend last 12 months			\$ 9,486,230
Allocation to SC	57.99%	0.83%	2.25%
Target Spending	\$ 5,500,605	\$ 78,354	\$ 213,540
kWh per SC	1,645,335,279	30,368,135	68,744,354
per kWh rate	\$0.003340	\$0.002580	\$0.003110
<b>(3) Energy Efficiency Program</b>			
Program Budget (in Base Rates)			\$ 11,136,362
Allocation to SC	57.99%	0.83%	2.25%
Target Spending	\$ 6,457,437	\$ 91,983	\$ 250,685
KWH per SC	1,645,335,279	30,368,135	68,744,354
per kWh rate	\$0.003920	\$0.003030	\$0.003529
<b>SUBTOTAL</b>			
<b>Per kWh Public Benefit Costs Solar</b>	<b>\$0.012780</b>	<b>\$0.011130</b>	<b>\$0.012159</b>
<b>Per kW Public Benefit Costs Non-Solar</b>	<b>\$0.012780</b>	<b>\$0.011130</b>	<b>\$0.012159</b>

**PHASE ONE NEM**

Technology	Monthly kWh Production of 1 kW installed	CBC per kW installed		
Solar PV	103.8	\$1.33	\$1.16	\$1.26
Land Wind*	103.8	\$1.33	\$1.16	\$1.26
Micro-Hydroelectric*	103.8	\$1.33	\$1.16	\$1.26
Fuel Cells/Farm Waste/ Micro CHP	635.1	\$8.12	\$7.07	\$7.72

\* Wind and Micro-Hydroelectric were set equal to Solar PV as per Commission's August 13, 2021 order.

Value Stack	Self-consumed Energy Ratio	50%	70%	50%
		SC1	SC2 Sec NDB	SC19
Solar PV		\$0.66	\$0.81	\$0.63
Land Wind		\$0.66	\$0.81	\$0.63
Micro-Hydroelectric		\$0.66	\$0.81	\$0.63
Fuel Cells/Farm Waste/ Micro CHP		\$4.06	\$4.95	\$3.86

% self consumed energy

Residential Factor 50%

Small Commercial Factor 70%

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Determining the Public Policy %

	<b>SC1</b>	<b>SC2 Sec NDB</b>	<b>SC19</b>	<b>Total</b>
Revenue Allocation based on 2022 RY	193,384,100	2,754,668	7,507,389	333,506,195
% allocation	58.0%	0.8%	2.3%	100.0%
Customer Charge Rev	52,732,900	1,223,332	1,510,800	70,277,654
Revenue excl Cust Chg Rev	140,651,200	1,531,336	5,996,589	263,228,541
% allocation after excl Cust Chg Rev	53.4%	0.6%	2.3%	100.0%
Low Income in Base Rev	5,500,605	78,354	213,540	9,486,230
Energy Efficiency in Base Rev	6,457,437	91,983	250,685	11,136,362
Total Pub Policy in Base Rev	11,958,043	170,337	464,225	20,622,592
Low Income as % of Rev excl Cust	3.911%	5.117%	3.561%	3.604%
Energy Efficiency as % of Rev excl Cust	4.591%	6.007%	4.180%	4.231%
Pub Policy as % of Rev excl Cust	8.502%	11.123%	7.741%	7.834%