

**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>	\$0.00575	\$0.00575	\$0.00575
<b>(2) Low Income Program</b>			
Actual spend last 12 months			\$ 10,258,359
Allocation to SC	58.74%	0.96%	2.07%
Target Spending	\$6,025,404	\$98,461	\$212,690
kWh per SC	1,638,238,549	28,943,075	68,450,253
per kWh rate	\$0.003680	\$0.003400	\$0.003110
<b>(3) Energy Efficiency Program</b>			
Program Budget (in Base Rates)			\$ 2,375,000
Allocation to SC	58.74%	0.96%	2.07%
Target Spending	\$1,394,992	\$22,796	\$49,242
kWh per SC	1,638,238,549	28,943,075	68,450,253
per kWh rate	\$0.000850	\$0.000790	\$0.001045
<b>SUBTOTAL</b>			
<b>Per kWh Public Benefit Costs Solar</b>	<b>\$0.010280</b>	<b>\$0.009940</b>	<b>\$0.009905</b>
<b>Per kW Public Benefit Costs Non-Solar</b>	<b>\$0.010280</b>	<b>\$0.009940</b>	<b>\$0.009905</b>

**PHASE ONE NEM**

Technology	Monthly kWh Production of 1 kW installed	CBC per kW installed		
Solar PV	103.8	\$1.07	\$1.03	\$1.03
Land Wind*	103.8	\$1.07	\$1.03	\$1.03
Micro-Hydroelectric*	103.8	\$1.07	\$1.03	\$1.03
Fuel Cells/Farm Waste/ Micro CHP	635.1	\$6.53	\$6.31	\$6.29

\* 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		\$0.53	\$0.72	\$0.51
Land Wind		\$0.53	\$0.72	\$0.51
Micro-Hydroelectric		\$0.53	\$0.72	\$0.51
Fuel Cells/Farm Waste/ Micro CHP		\$3.26	\$4.42	\$3.15

% 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 2023 RY	\$212,078,801	\$3,465,578	\$7,486,136	\$361,068,002
% allocation	58.7%	1.0%	2.1%	100.0%
Customer Charge Rev	\$53,004,624	\$1,155,589	\$1,204,653	\$63,999,757
Revenue excl Cust Chg Rev	\$159,074,177	\$2,309,989	\$6,281,483	\$297,068,245
% allocation after excl Cust Chg Rev	53.5%	0.8%	2.1%	100.0%
Low Income in Base Rev	\$6,025,404	\$98,461	\$212,690	\$10,258,359
Energy Efficiency in Base Rev	\$1,394,992	\$22,796	\$49,242	\$2,375,000
Total Pub Policy in Base Rev	7,420,396	121,257	261,931	12,633,359
Low Income as % of Rev excl Cust	3.788%	4.262%	3.386%	3.453%
Energy Efficiency as % of Rev excl Cust	0.877%	0.987%	0.784%	0.799%
Pub Policy as % of Rev excl Cust	4.665%	5.249%	4.170%	4.253%