



2023 Renewable Purchases & Environmental Disclosure

CPCNH purchases Renewable Energy Certificates (“RECs”) to provide the environmental attributes of our different energy products. We purchase most of our RECs from NH-based generators. One REC equals one megawatt-hour of renewable energy. RECs must be registered with [NEPOOL GIS](#) before they can be sold or retired.

CPCNH’s lowest-cost product, Granite Basic, includes the minimum amount of renewable power required by NH’s Renewable Portfolio Standard, or RPS ([RSA 362-F](#)). While the RPS law specifies the minimum requirement for each year (e.g., ~23% in 2023, ~24% in 2024, ~25% in 2025), the NH Dept. of Energy has, in recent years, administratively reduced the actual minimum by 7-8 percentage points after the fact, due to a shortage of qualifying biomass generation. We expect similar ex-post reductions for 2024 and 2025.

CPCNH’s 2023 REC purchases are shown on page 2. Some highlights include:

- ✦ Facilities based in CPCNH member communities supplied 28% of our renewable power (highlighted in green).
- ✦ Biomass and wood make up 36% of our renewable power, wind accounts for 12.5%, and small hydro accounts for 1.4%.
- ✦ CPCNH purchased 36,909 RECs to comply with the state law and 7,748 RECs to meet the demand for opt-up products (highlighted in blue).
- ✦ As a result of a shortage in renewable power from biomass, CPCNH paid Alternative Compliance Payments instead of purchasing Class III biomass RECs.

There is a phenomenon within NH’s RPS known as “REC sweeping,” summarized in this [2020 blog post from Clean Energy NH](#). REC sweeping allows electricity suppliers to “sweep up” (i.e., claim without compensation) the estimated generation from solar installations that have not registered their systems to create RECs, and to count that swept generation toward their RPS obligations. As a result of REC sweeping, the Class II (i.e., solar) RPS requirement of 0.7% was fully waived in 2023, meaning that CPCNH and other electricity suppliers were not required to purchase any solar RECs.

How to Read CPCNH’s Environmental Disclosure Label

CPCNH’s [2023 Environmental Disclosure Label is available here](#). The column titled “System Mix” under “New England Power Pool” shows the energy mix of different types of renewable and non-renewable generators in the New England market, before any REC sales (roughly 30% renewable and 70% non-renewable).

The column titled “Residual Mix” shows what remains of the “System Mix” after accounting for all REC sales; the ~1% renewable generation in this column represents RECs that have not been sold or retired. CPCNH purchases the number of RECs required to provide the renewable content in our different products (Granite Basic, Granite Plus, Clean 50, and Clean 100). All purchases of “system power” that are not specifically enhanced by REC purchases have the environmental characteristics associated with the Residual Mix.

CPCNH 2023 RENEWABLE POWER PURCHASES

	Facility Owner Name	Unit Name	State	Town/City	Fuel Type	REC Quantity	% of total	Notes
NH Class I	Madison Composite Projects	Madison Hydro	ME	Madison	Hydro	13,955	24.4%	
	Ampersand Gilman Hydro LP	Simpson G Load Reducer	VT/NH	Gilman/ Dalton	Hydro	5,424	9.5%	Opt-Up
	Milford Hydro	Milford Hydro	ME	Milford	Hydro	4,398	7.7%	
	Sugar River Power, LLC	Lower Village	NH	Claremont	Hydro	329	0.6%	Opt-Up
	Groton Wind, LLC	Groton Wind	NH	Rumney	Wind	7,150	12.5%	Opt-Up
	Berlin Station, LLC	Burgess Biopower	NH	Berlin	Biomass	8,491	14.9%	Member
	NE Renewable Power Springfield LLC	Hemphill 1	NH	Springfield	Wood	4,910	8.6%	Member
NH Class 1 Thermal	Rockingham County Biomass Boiler Plant	Bio 2	NH	Brentwood	Wood	1,406	2.5%	
	Littleton Regional Healthcare	Littleton Hospital Biomass Boilers	NH	Littleton	Biomass	1,230	2.2%	
	Memorial Hospital	Ensyn - MH	NH	North Conway	Biomass	1,167	2.0%	
	Weeks Medical Center	Messersmith MM1-FB-555	NH	Lancaster	Biomass	752	1.3%	
	Merrimack Cty Correctional Facility Central Wood Chip Plant	Viessman KPT 1250 Pyrotec Boiler	NH	Boscawen	Wood	673	1.2%	Member
	Androscoggin Valley Hospital	Androscoggin Valley Hospital	NH	Berlin	Biomass	596	1.0%	Member
	Sullivan County Complex	Biomass Boiler	NH	Unity	Wood	499	0.9%	
	ALLWell North	KPT530	NH	Holderness	Biomass	345	0.6%	
	Mascoma Regional High School	Froling P4 Model 80 (3)	NH	Canaan	Wood	158	0.3%	Member
	Indian River School	OkoFEN Model PES56 (2)	NH	Canaan	Wood	111	0.2%	Member
	Cheshire Mills Complex	Cheshire Mills Pellet Boilers	NH	Harrisville	Wood	86	0.2%	Member
	Lyme Elementary School	Lyme School	NH	Lyme	Wood	77	0.1%	Member
	Enfield Village School	OkoFEN Model PES56 (1)	NH	Enfield	Wood	66	0.1%	Member
	Belmont High School	Belmont High School	NH	Belmont	Wood	61	0.1%	
	Warwick Mills, Inc	Dall Energy 2 MW Biomass Gasifier	NH	New Ipswich	Wood	50	0.1%	
	Belmont Middle School	Belmont Middle School	NH	Belmont	Wood	41	0.1%	
	Orford Ridge Business Park	Pellet Heat Plant	NH	Orford	Wood	34	0.1%	
Canterbury Elementary School	Canterbury Elementary School	NH	Canterbury	Wood	21	0.0%	Member	
White Mountain Regional High School	White Mountains Regional High School Pellet Boiler	NH	Whitefield	Biomass	13	0.0%		
IV	Lochmere Generating Station	Lochmere Dam	NH	Lochmere	Hydro	4,343	7.6%	
	Mine Falls Hydro	Mine Falls	NH	Nashua	Hydro	693	1.2%	Member
Total						57,079	100.0%	