Plainfield Community Power



January 27, 2022

What is Community Power?

New Hampshire cities, towns, and counties join together to procure electric power supply on behalf of their residents and businesses and provide related customer services (local programs, Net Energy Metering supply rates, etc.)

- Pooled Purchasing Power For Energy Supply, providing a large customer base to achieve better pricing and to share the administrative cost.
- Utility Company Delivers Power still responsible for poles and wires
- Communities Benefit from Value Added Programs & Services



Benefits of Community Power

Local Control

• Democratizing energy procurement to the community level

Lower Costs

• MA, NY, Ca and other markets have demonstrated lower rates than regulated utilities

Renewables

• Build and buy clean energy

Resilience & Innovation

- New Technologies microgrids to provide resilience, storage systems, time of use rates.
- Market Competition maintain power portfolio that seeks best prices at all times
- Price Signals respond to changing market conditions rapidly
- Customer Empowerment customers select how much green power in their supply

Plainfield Community Power

- Provides electricity supply service for the Town's residents, businesses, and other types of customers.
- Serve as the default electricity supplier for all customers on a default "**opt-out**" basis
- **Price of electricity** supplied by Plainfield Community Power **competitive** with the Utilities and with Competitive Electric Power Suppliers (third party suppliers)
- Electric Utilities continue to own and operate the distribution grid (poles and wires) and be responsible for delivering power to all customers within Plainfield.
- Customers may choose to switch between Plainfield Community Power, service provided by Competitive Electric Power Suppliers, and utility-provided default service
- Customers may select a higher percentage of green sources at slightly higher premiums.
- **Self-funded through revenues** generated by participating customers (Town will not use taxes to cover program expenses).

Example of Utility Bill

ACCOUNT ACTIVITY			
Voltage Delivery Level	0 - 2.2 kv		
Previous Balance:	151.71		
Payments Received:	151.71 CR		
Balance Forward:	0.00		
Current Charges:			
Customer Chg	14.74		
Distribution Chg 1208.00 units @ 0.06102	73.72		
Energy Service 1208.00 units @ 0.08396	101.42		
Stranded Cost Chg 1208.00 units @ -0.00080	0.97 CR		
Sys Benefits Chg 1208.00 units @ 0.00678	8.20		
Transmission Chg 1208.00 units @ 0.03703	44.73		
Miscellaneous Credits/Charges:			
Bill Adjustment	0.02 CR		

Plainfield Community Power provides the **Energy Service** component shown here in a sample bill

How Can Plainfield Run Plainfield Community Power?

- Plainfield is a small town of about 2400 people.
- Plainfield does not have the resources to administer a community power program by itself.
- Plainfield, by itself, does not have the market power to command cheaper rates for electricity.
- Essential that Plainfield form a coalition with other towns, cities and counties in the state to leverage the power of a larger customer base.
- The Community Power Coalition of New Hampshire was created for this very reason.
- Joining the Coalition is an important aspect of the Plainfield Community Power Plan.

COMMUNITY POWER COALITION OF NH (CPCNH)

VISION

NH cities, towns and counties are empowered to realize their individual energy goals including local control, cost reduction, renewable energy, competitive markets and resiliency.

Plainfield became a founding member of the Community Power Coalition of New Hampshire when it was incorporated on October 1, 2021

What is CPCNH?

Community Power Coalition of NH

- Statewide public non-profit
- Governed by member communities
- Provides pooled procurement and shared services for Community Power programs

Status

- 17 municipalities + 1 county have joined by the vote of their governing body to adopt the Joint Powers Agreement (as of 1/13/22)
- Together CPCNH communities buy ~1.6 million megawatt-hours and spend ~\$113 million on energy supply annually

Joint Powers Agreement

• Intermunicipal agreement establishing CPCNH as a public nonprofit

All NH cities, towns, and counties are invited to join CPCNH

CPCNH Member Communities

1. Town of Hanover, 2. City of Lebanon, 3. Town of Exeter, 4. City of Nashua, 5. Town of Harrisville, 6. Town of Rye, 7. City of Dover, 8. Town of Warner, 9. Town of Walpole, 10. Town of Newmarket, 11. Town of Plainfield, 12. Town of Enfield, 13. Town of Durham, 14. Town of Pembroke, 15. Town of Webster, 16. Town of Hudson, 17. Town of New London, 18. Cheshire County

Plainfield Community Power Electric Aggregation Plan

- Plainfield Community Power Electric Aggregation Plan (EAP) describes how Plainfield Community Power (PCP) would operate
- Required by Law RSA 53-E
- Created by the Plainfield Energy Aggregation Committee in Consultation with EAP experts

Electric Aggregation Plan - Purpose

- Sets the Town's policy goals for its Community Power program
- Summarizes Plainfield Community Power's governance and implementation processes
- Commits Plainfield Community Power to comply with applicable statutes and regulations in terms of:
 - Providing universal access, reliability, and equitable treatment of all classes of customers subject to any differences arising from varying opportunities, tariffs, and arrangements in the incumbent utilities' distribution franchise territories.
 - Meeting, at a minimum, the basic environmental and service standards established by the NH PUC and other applicable agencies and laws concerning the provision of service under Community Power.
- This plan does not otherwise commit Plainfield Community Power to any defined course of action and does not impose any financial commitment on the Town of Plainfield.

Approval Process for Coalition & Plainfield Community Power

d	Plainfield Select Board Approves Coalition Joint Powers Agreement Plainfield Select Board votes to approve the Coalition Joint Powers Agreement, delegates signing authority and designates primary and alternative representatives to serve on the board of directors	Pla ap pro Co dir pro Ag co	Community Power Committee Established Plainfield Select Board appoints committee to orepare plan for Plainfield Community Power and directs Committee to orepare an Energy Aggregation Plan in compliance with RSA 53-E Community Power Act).		EAC Committee Adopts Plan After Public Hearings Committee (1) holds public meetings and incorporates public feedback and (2) adopts Plan " <i>in the best,</i> <i>long-term interest</i> " of ratepayers and community (RSA 543-E requirement); Plainfield Select Board passes to Plainfield Town Meeting for approval.		
	Coalition Established as a Joint Powers Agency Founding members execute Coalition Joint Powers Agreement & incorporate the "Community Power Coalition New Hampshire" as a new jo powers agency.	Electric Aggregation P Drafted by EAC Committee submits data requests to utilities. Coalition facilitates engagement, provides dra plan for Committee to fina & provides advisory supporthroughout the process.	aft alize	Plainfield Town Meeti approves Electric Aggregation Plan Requires approval by ma those present and voting Plainfield Community Por officially established.	ajority of J.		

Process Initiated

Electric Aggregation Plan – Approval and Next Steps

- Electric Aggregation Plan must be approved by:
 - 1. Plainfield Energy Committee
 - 2. Plainfield Select Board
 - 3. Plainfield Town Meeting
 - 4. New Hampshire Public Utilities Commission
- The Plainfield Select Board appointed a primary and alternate representative to the CPCNH Board of Directors.
- CPCNH Board meetings conducted in accordance with NH Right-to-Know Law (RSA 91-A).
- Future Select Board decisions regarding Plainfield Community Power, such as the execution of a Cost Sharing Agreement with the Coalition will be made at duly noticed public meetings.

Coalition Startup, Rule Making and Risk Management Policy Approval Process

Community Power	Com Memb Aggre notific prima notice Coalit engag	cies & Public Utilities mission notified bers submit Electric egation Plans as formal cation & designate ary contact for official es. cion facilitates gement & requests for ications.	NH Public Utilit Commission ad The Coalition has rules with Commi utilities, and will a subsequent public process through a Note: House Bill 3 enhance local cor authorities.	opts rules been drafting ssion staff & engage on the c review rule adoption. 315 will	Plainfield Select Board adopts Risk Management policies Energy Risk Management and Financial Reserves Policy submitted for Member approval, along with any associated delegation of authorities to Member Directors Coalition Prepares to	
Program Approved		CPCNH Board overse startup activities Coalition Board of Direc / adopts: Board policies standing committees, b planning, key staff hirin solicitation & contract n with vendors (to launch	tors oversees , officers, usiness g, competitive egotiations	 Plainfield Select Board adopts Cost-Sharing Agreement Coalition Cost-Sharing agreement submitted to Plainfield Select Board for approval. Members select services to launch and operate Community Power programs. 		Launch Programs

Plainfield Community Power Launch Process

Coalition Prepares	Electric Utilities provide detailed usage data Coalition receives detailed energy usage data for customers in municipalities. Constructs load/price forecasts, energy portfolio strategy and conducts power procurement.	Ca Coa virt eve rela Ene cus and	blic Outreach mpaign alition supports members' cual meetings, public ents, website and media ations, education re: Net ergy Metering and "opt-up" stomer products and rates, d promotion of local ograms.	Customer Notifications & Public Meeting Coalition vendors activate customer call center. 30 days prior to launch mailers sent to all customers. 15 days after notification public information meeting held. Community Power	
to Launch Programs	Members approve rates & CPCNH procures power Portfolio content and custom rates submitted for approval compliance with Energy Risk Management & Financial Reserve policy) after which power contracts are executed	er (in	Electric Utilities provide customer mailing data Customer names and addresses and account numbers received. Coalition prepares custome notifications with required disclosures.	Coalition vendors est (integration, testing compliance requirem Electric Utilities notif	tablish services and nents). fied of account tronic Data

Customer Rates and Products

The table below provides an illustrative example of a default service product and optional rates that could be offered to customers:

	DEFAULT SERVICE	OPTIONAL PRODUCTS			
	(automatic enrollment)	Basic Service	Green Start	Prime	
Attributes	5-10% above Renewable Portfolio Standard (RPS)	Meets RPS	~50% Renewable	100% Renewable	
Price	Meet or beat default utility rate at launch	Below default utility rates	Higher or competitive w/ default utility rate	Exceeds default utility rate	

Lower Rates than Default Utility Rate -How is this possible?

- Plainfield Community Power plans to meet or beat default utility rate at launch - is this possible?
- Utilities purchase power a set times (typically twice a year) and bid for the best price at that time
- If the price at that time is high, the default service rate offered for the next period **will be high**.
- Plainfield Community Power gets its power from CPCNH, which procures power using a portfolio approach.
- CPCNH enters purchase contracts at different times in the year, and the contracts are for different time periods and from different energy producers
- This spreads the risk of high prices over many contracts and allows CPCNH to purchase power when prices are low.

Default Supply Customers vs Competitive Supply Customers

- Two broad classes of customers,
 - Utility Default Supply Customers
 - Competitive Supply Customers (third party supplier customers)
- Treated differently when Plainfield Community Power launches
 - Utility Default Supply Customers Eligible for Opt-Out Notifications
 & Automatic Enrollment
 - **Competitive Supply Customers** Eligible for Opt-In Notifications & Voluntary Enrollment

NH Renewable Portfolio Standard

• New Hampshire's Electric Renewable Portfolio Standard ("RPS") statute **requires** each electricity provider, including the Utilities and **Plainfield Community Power**, to meet a certain percentage of customer load by purchasing, generating or otherwise acquiring Renewable Energy Certificates ("RECs")

• One REC represents the renewable attributes of one megawatt-hour of electricity, or the equivalent amount of useful thermal energy.

• RECs are generated by certified renewable energy facilities for power that is physically delivered into the New England wholesale electricity market operated by ISO-New England (which means the power can come from within New England, New York or eastern Canada).

Net Metered Customers

- Plainfield Community Power (PCP) intends to offer a Net Energy Metering generation rate and terms to customers with onsite renewable generation eligible for net metering from the Utilities.
- The intention is to offer:
 - Net Metered 1.0 customers a kWh credit for every kWh exported to the grid
 - Net Metered 2.0 customers could be credited in the same way that Net Metered 1.0 customers are credited (i.e., using kWh credits to track surplus generation on the supply portion of the bill). These customers would receive a bill from PCP.

• Offering NEM 2.0 customers a kWh credit tracked as an offset to supply, would harmonize the accounting treatment of NEM 1.0 and 2.0 surplus generation for the purpose of program RPS compliance reporting. This would help lower program rates and is an option that the program may therefore find cost-effective to implement.

• This is not a commitment at this time but will depend on final PUC rules and consultation between all CPCNH members.

Plainfield Community Power

Questions?

References: Plainfield Community Power Energy Aggregation Plan-<u>https://www.plainfieldnh.org/energy/WebDocs/CPC_EAP_Draft.pdf</u> Frequently Asked Questions: https://www.plainfieldnh.org/energy/WebDocs/CPC_FAQs.pdf