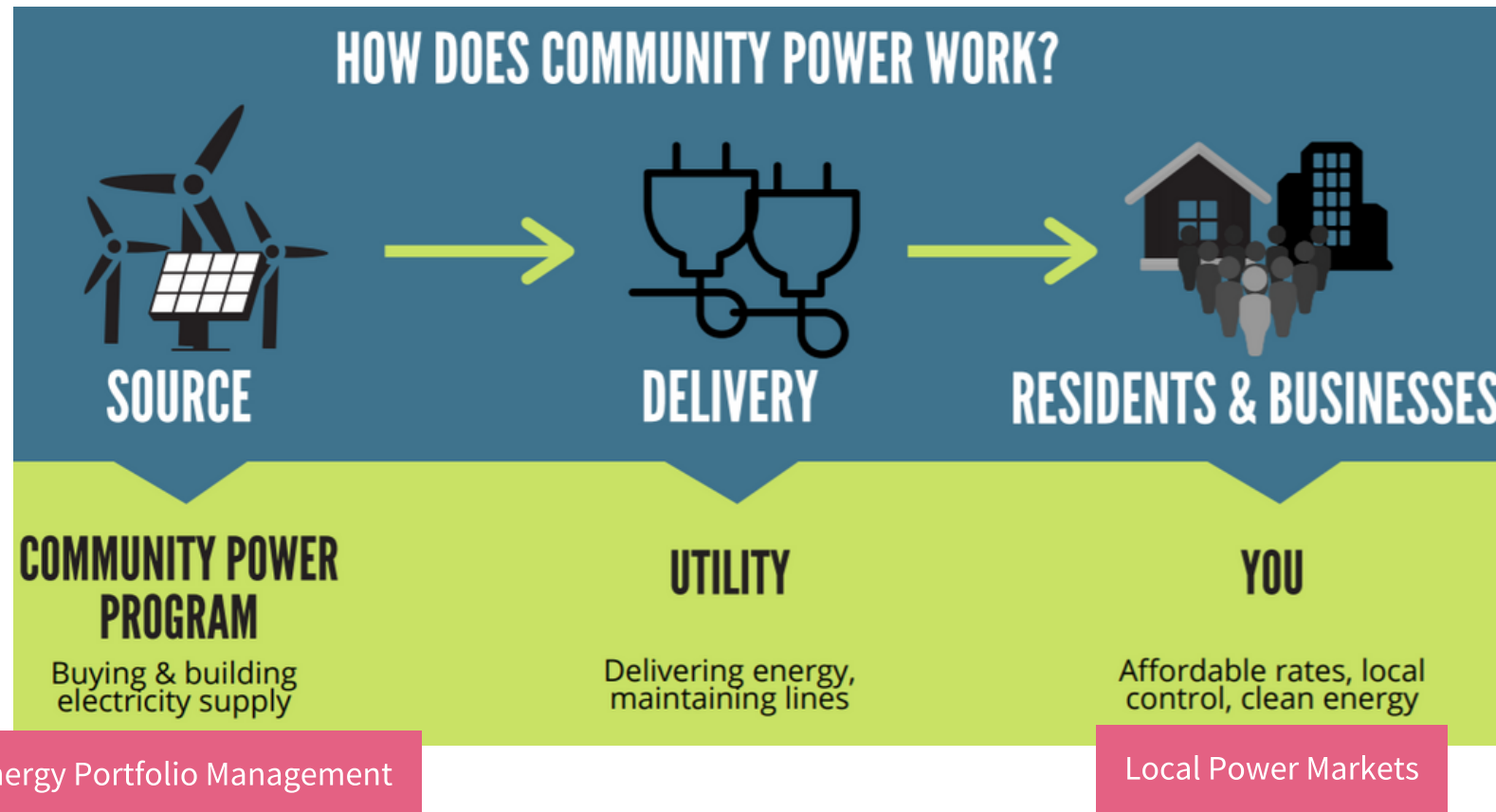


Community Power New Hampshire

A Guide for Local Governments, By Local Governments

February 2020

What is Community Power?



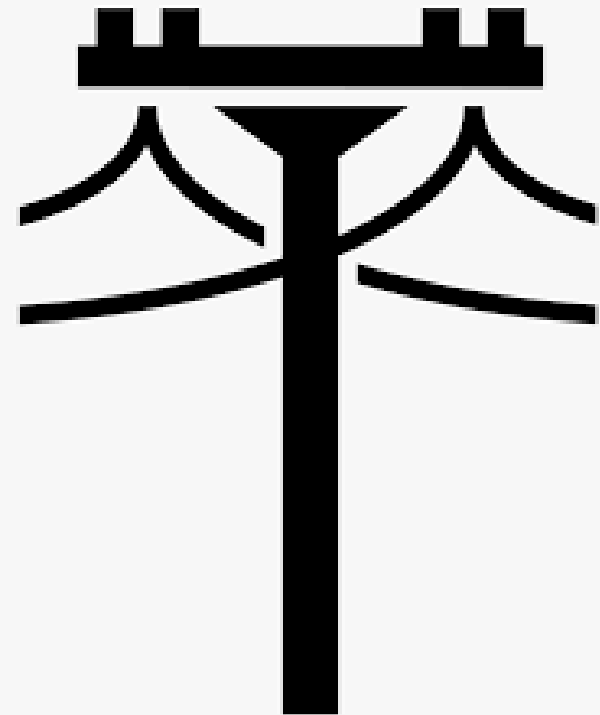
Local governments - cities, towns, counties - can procure and provide electricity to their residents and businesses

Community Power programs democratize energy governance by enabling local governments to choose where their electricity comes from

Community Power Programs Coordinate with Utilities

Community Power programs are **not** municipal utilities or regulated electric distribution utilities

Utilities continue to **deliver** electricity over their transmission and distribution systems



Background & Legislative Authority

- RSA 53-E: Aggregation of Electric Customers by Municipalities and Counties
- Updated by passage of Senate Bill 286
Signed by Governor August, effective October 2019
- Community Power programs authorized to implement electricity metering (e.g., smart meters)

Electricity Aggregation, as defined by RSA 53-E, may include: the supply of electric power; demand-side management; conservation; meter installation & reading; customer service; operation of energy efficiency and clean energy districts
(RSA 53-F)

Why Implement a Community Power Program?

Goals of Community Power programs may include:

- Choice & local control
Choosing where your community's electricity comes from
- Control & manage energy costs
- Decarbonization & renewable energy procurement
- Stimulate competitive, local markets for modern energy products/services
- Resiliency in critical facilities

By enabling community control of energy procurement, and by focusing procurement strategies to bounded geographic regions, Community Power programs present a stark departure from traditional energy procurement models with great innovative potential

Community Power New Hampshire

(CPNH)

Community Power New Hampshire (CPNH)

CPNH is a coalition of municipal and county governments coordinating to create a pathway to implementation that is **accessible to all NH cities, towns, and counties**

CPNH was established by the following communities:

Town of Bristol | Paul Bemis, Energy Committee Chair

Town of Harrisville | Mary Day Mordecai & Ned Hulbert, Planning Board

Town of Hanover | Julia Griffin, Town Manager; April Salas, Sustainability Director

City of Lebanon | Clifton Below, Assistant Mayor; Tad Montgomery, Energy Manager

City of Nashua | Doria Brown, Energy Manager

Cheshire County | Rod Bouchard, Assistant County Administrator / Special Projects and Strategic Initiatives

CPNH Collaborating Partners include:

Dori Drachmann, Monadnock Sustainability Hub

Dr. Amro Farid, Dartmouth College

Samuel Golding, Community Choice Partners

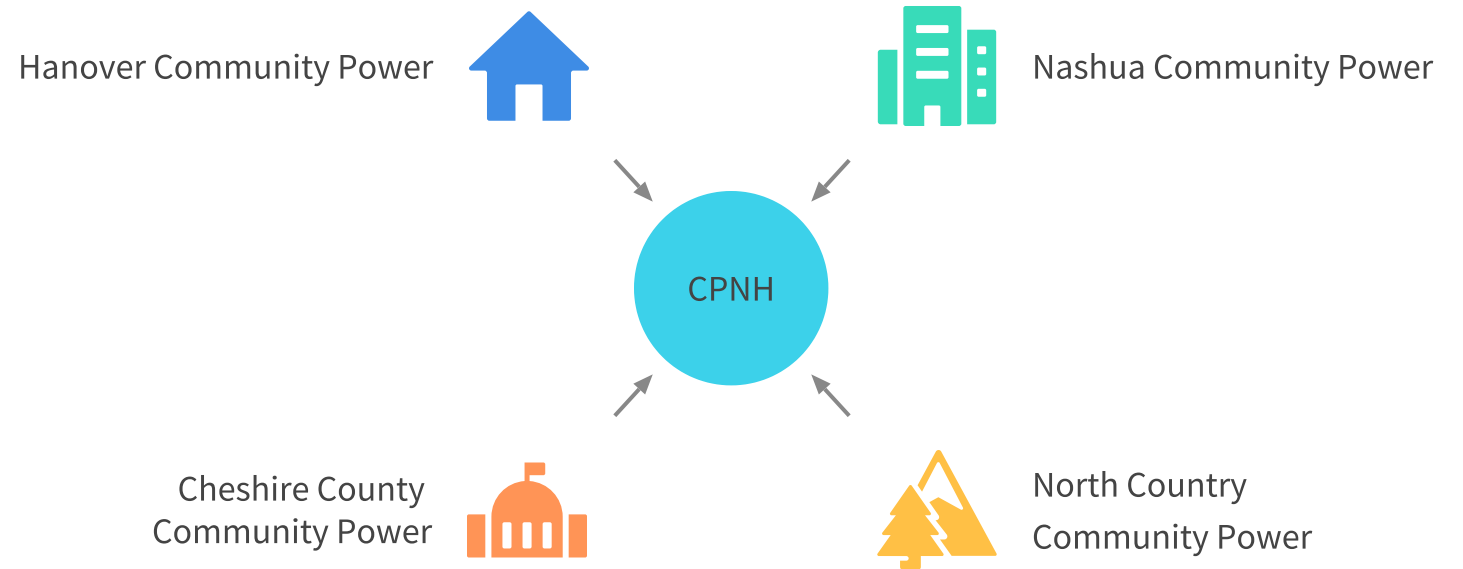
Henry Herndon, Clean Energy NH

Jill Longval, Rockingham Planning Commission

Other local governments developing Community Power programs are invited to join CPNH.

CPNH Framework (illustrative)

- (1) Form new, locally governed legal entity (CPNH) that provides services to enable and empower Community Power Programs
- (2) Support individual communities to develop their own Community Power programs, and join CPNH if they choose



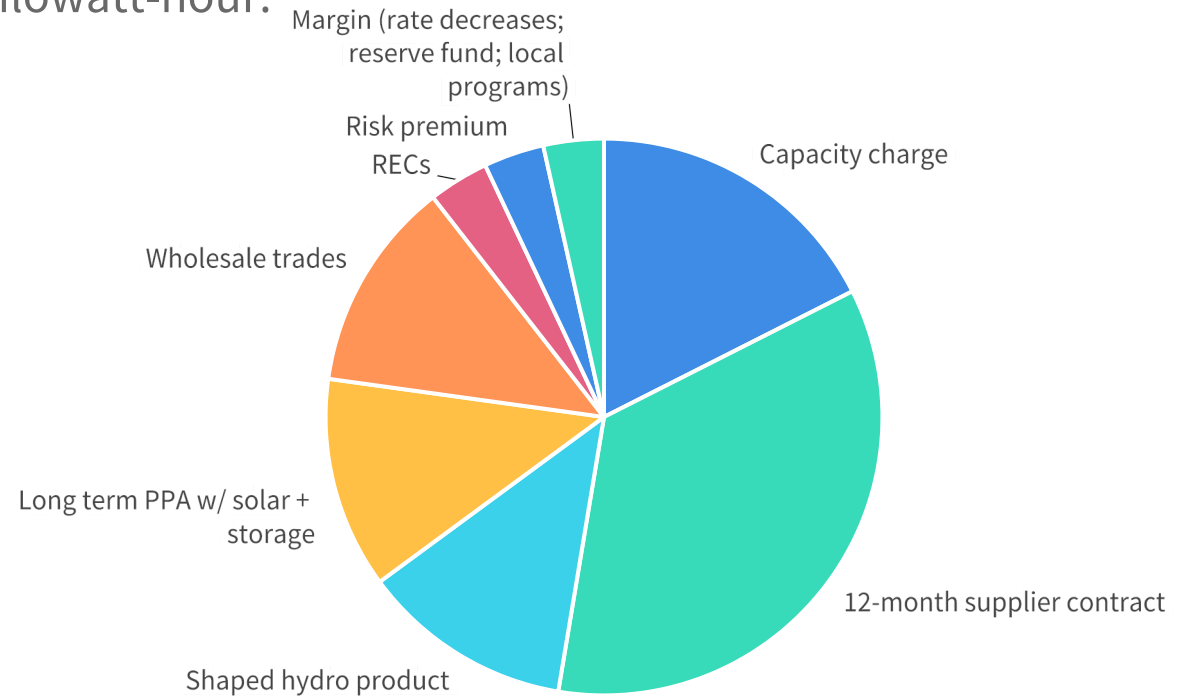
CPNH Working Groups: (1) Governance; (2) Policy & Regulatory; (3) Community Engagement; (4) Operational Design. Local governments developing Community Power programs are invited to contribute to one or more of these working groups, or support establishment of new working groups as needed.

CPNH Services: Energy Portfolio Management

In this illustrative example, the average weighted cost of the components of the energy portfolio are experienced by the retail customer as a supply rate of \$0.085 / kilowatt-hour.

CPNH will competitively enlist expert service providers to conduct energy portfolio management on behalf of participating Community Power programs

Each individual Community Power program will have authority over its own sub-portfolio content (e.g., % renewables), rate charged to customers, and share of surplus revenue



Energy portfolio management requires **economies of scale** and includes: forecasting (price, load, risk, revenue); contract origination (negotiate/execute PPA); credit & contract management; market operations & trading; settlement & back office

CPNH Services: Local Power Markets

In addition to Energy Portfolio Management, CPNH will serve as a platform to enable Local Power Markets, products, and services including:

- **Customer Service**

Notifications, website, billing

- **Energy efficiency & conservation**

- **Metering & rate design options**

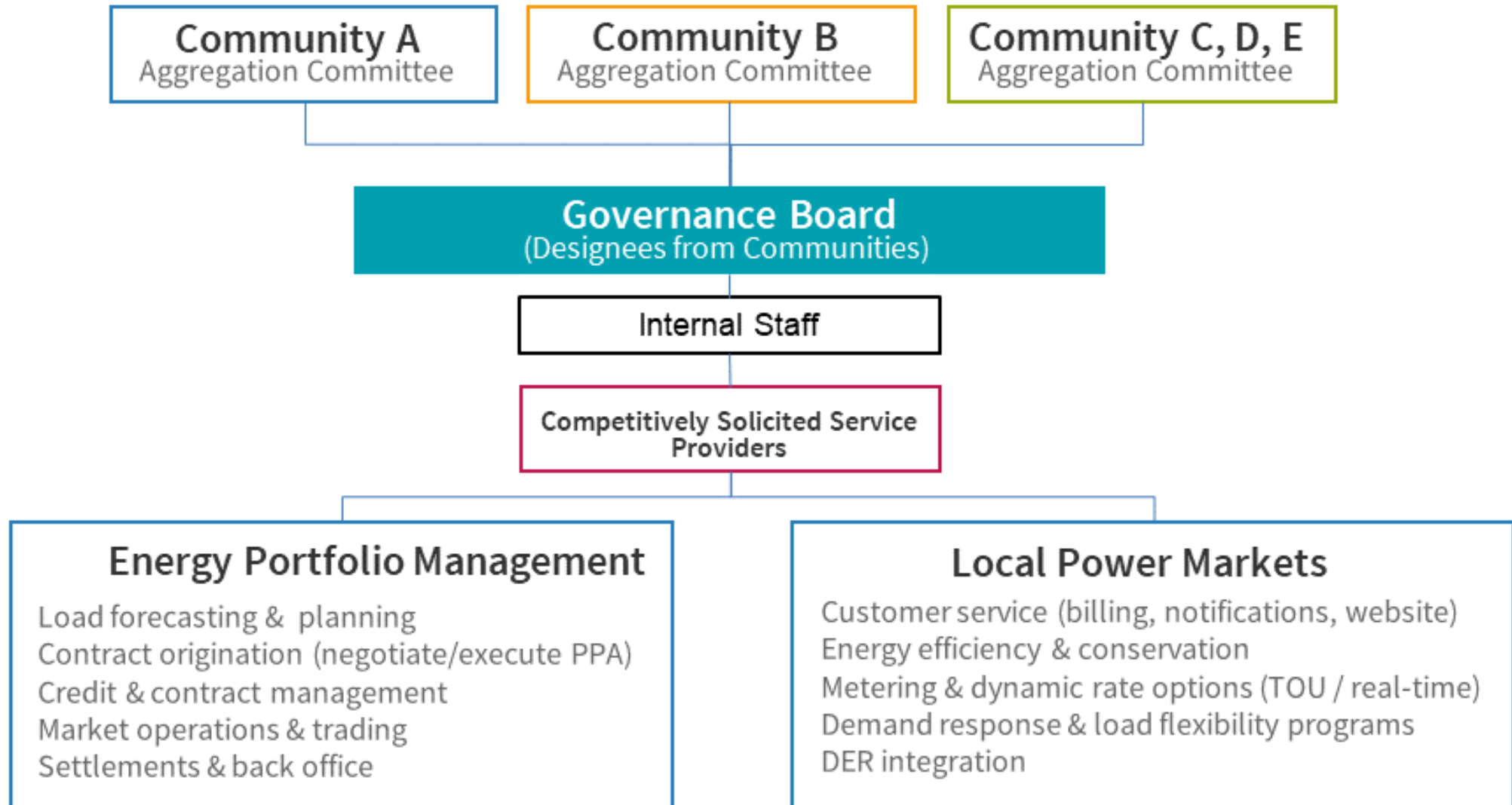
Time-variant or real-time rates (on opt-in basis)

- **Demand response and load flexibility programs**

- **Distributed Energy Resource integration**

Distributed generation & net metering; energy storage; smart appliances/thermostats; electrified heating; managed EV charging

Organizational Chart of CPNH



Revenue and Cost Sharing:

CPNH will purchase power at wholesale, appropriate funds to cover operating and financing costs, and sell power to retail customers in accordance with rates and portfolios determined by individual Community Power Programs

The margin between wholesale power costs and retail power costs will be shared proportionally among participating Community Power programs

Individual Community Power programs may direct their proportional share of surplus revenues towards:

Retail rate decreases

Building a reserve fund

Local power markets & programs

Process for Implementation

Local Authorization Process

- 1 **Governing body forms a **Community Power Committee****
... or designates existing committee (e.g., Energy Committee)
- 2 **Committee develops “Community Power Plan”**
CPNH, Regional Planning Commissions, and other partners available to support;
Plan development must solicit public input
- 3 **Legislative body approves Plan**
Town meeting vote; city council vote; county commissioners vote
- 4 **All residents & businesses notified and provided opportunity to opt-out prior to service**
Public information session must be held within 15 days of notification to answer public questions

CPNH Timeline & Objectives

Short and medium term objects of CPNH include (Q1 - Q2 2020):

- **Governance:** create CPNH through Joint Action Agreement (RSA 53-A)
- **Policy/Regulatory:** engage in regulatory process and ensure rules on track to enable expedient launch
- **Community Engagement:** ensure energy committees, municipal staff/officials, and other stakeholders are informed about CPNH
- **Operational Design:**
 - Develop “Community Power Plan” template in partnership with Regional Planning Commissions & other partners for adaptation by communities
 - Vendors are educated and prepared to respond to solicitation for services
 - Service solicitation drafted and ready for issue

Long term objective (Q4 2020, Q1 2021): through establishment of CPNH, enable launch of participating Community Power programs, and future Community Power programs

Community Power Summit - Friday June 5

CPNH is hosting a “Community Power Summit” --- Save the date! **Friday June 5, 2020**

- **Audience:**

- Municipal staff & officials

- Local Energy Committees

- Community Leaders

- **Participants will receive a packet of resources to enable implementation in their city, town, or county**

- Templates, educational materials, and more.

- **Keynote Speaker:**

- TBD

- **You will learn:**

- What is Community Power?**

- What is Energy Portfolio Management?

- What are Local Power Markets?

- How to form a Community Power Program**

- How to form a Community Power Committee

- How to write a Community Power Plan

- How to talk to your community (leaders) about Community Power

- How to work with your utility to secure data required for Community Power



Community Power New Hampshire

To join CPNH, or participate in a CPNH working group,
contact:

