

CLEAN ENERGY NH

Your Voice in All Energy Matters

NH EESE Board: Community Power Aggregations & CPNH

Friday, July 17, 2020 | 9am

Henry Herndon, Clean Energy NH

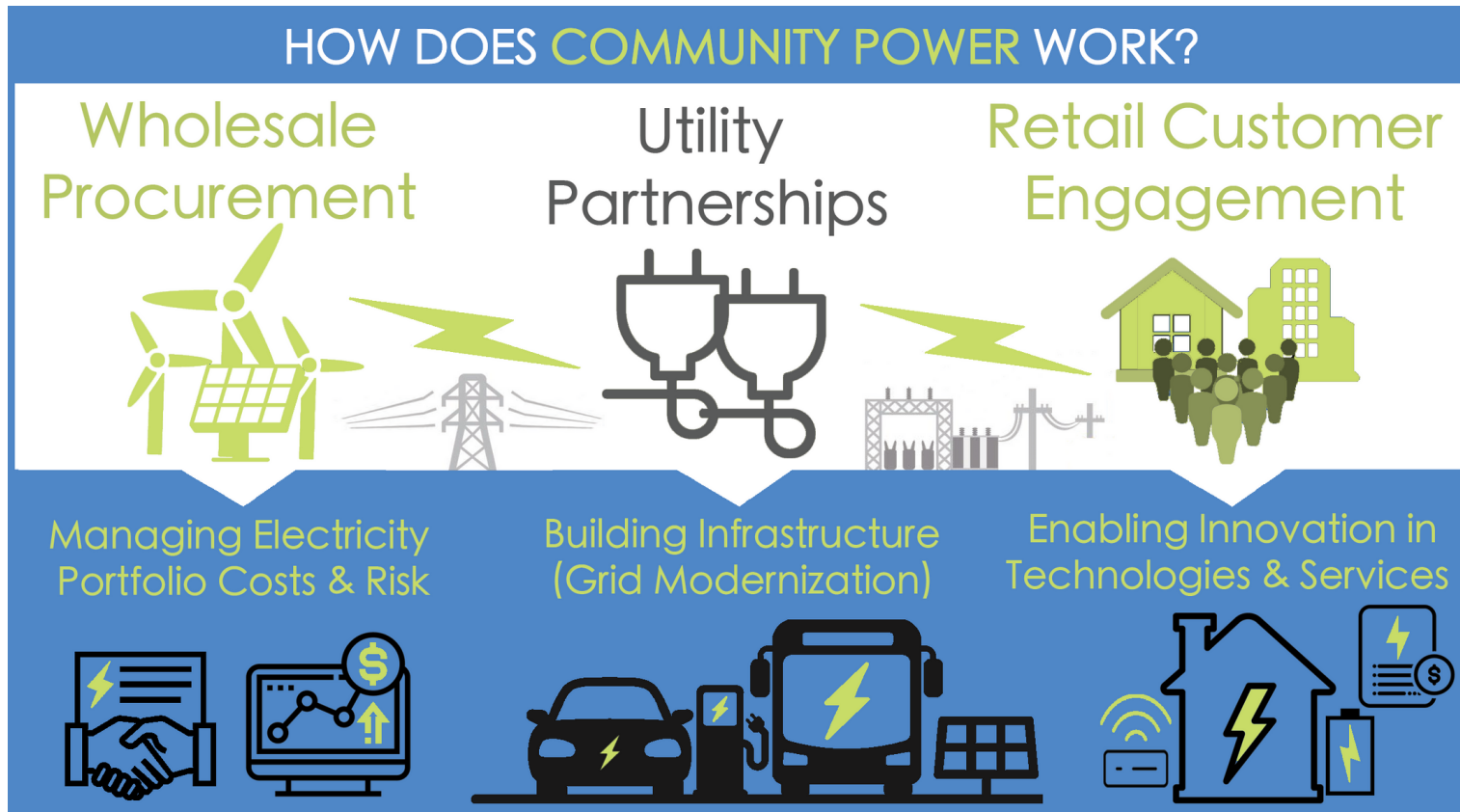
Agenda: Community Power Aggregations & CPNH

- 1 | Overview of Community Power Aggregation
- 2 | Joint Action & CPNH
- 3 | Regulatory Considerations: PUC Rule Making
- 4 | State Energy Market & Policy Context
- 5 | Q/A & Discussion

Section 1

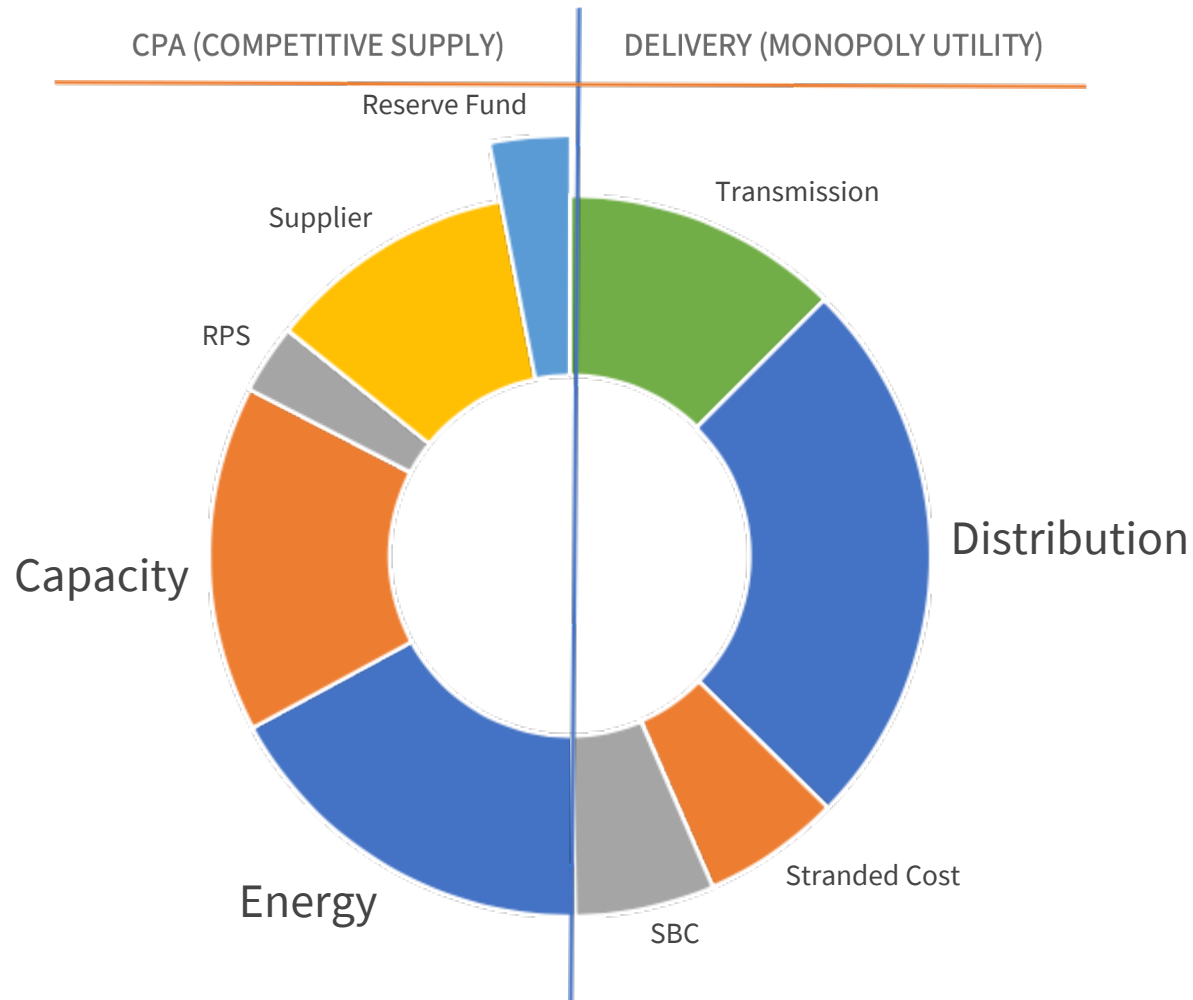
Overview of Community Power Aggregation

Overview of Community Power



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

Community Power Aggregations: Supply & Retail



CPAs Are Uniquely Positioned to Engage Customers With New Services

Metering

Rate Design

Transportation Electrification

DER and Other Local Programs

Benefits of Community Power Aggregations



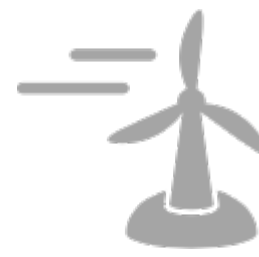
Local Control

Democratizing energy procurement to the community level



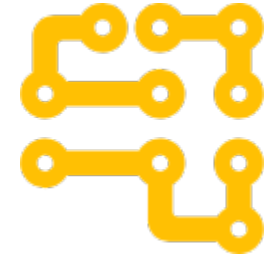
Lower Costs

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



Renewables

Build & Buy Clean Energy



Energy Independence & Market Innovation

New Technologies

Market Competition

Price Signals

Customer Empowerment

Section 2

Joint Action: CPNH

Community Power New Hampshire (CPNH)

- Lebanon, Nashua, Hanover, & Cheshire County are leading formation of **Community Power New Hampshire (CPNH)**
- Public Power membership organization with Board of Directors comprised of representatives from member communities
- Shared expert services, economies of scale, no duplicative overhead
- Ensures local control, democratic oversight, ongoing community engagement

Governance - Joint Action Agencies

Lebanon, Hanover, Nashua & Cheshire County are leading establishment of CPNH, a public power joint action agency to provide service to member CPAs

Public Power Joint Action Agencies

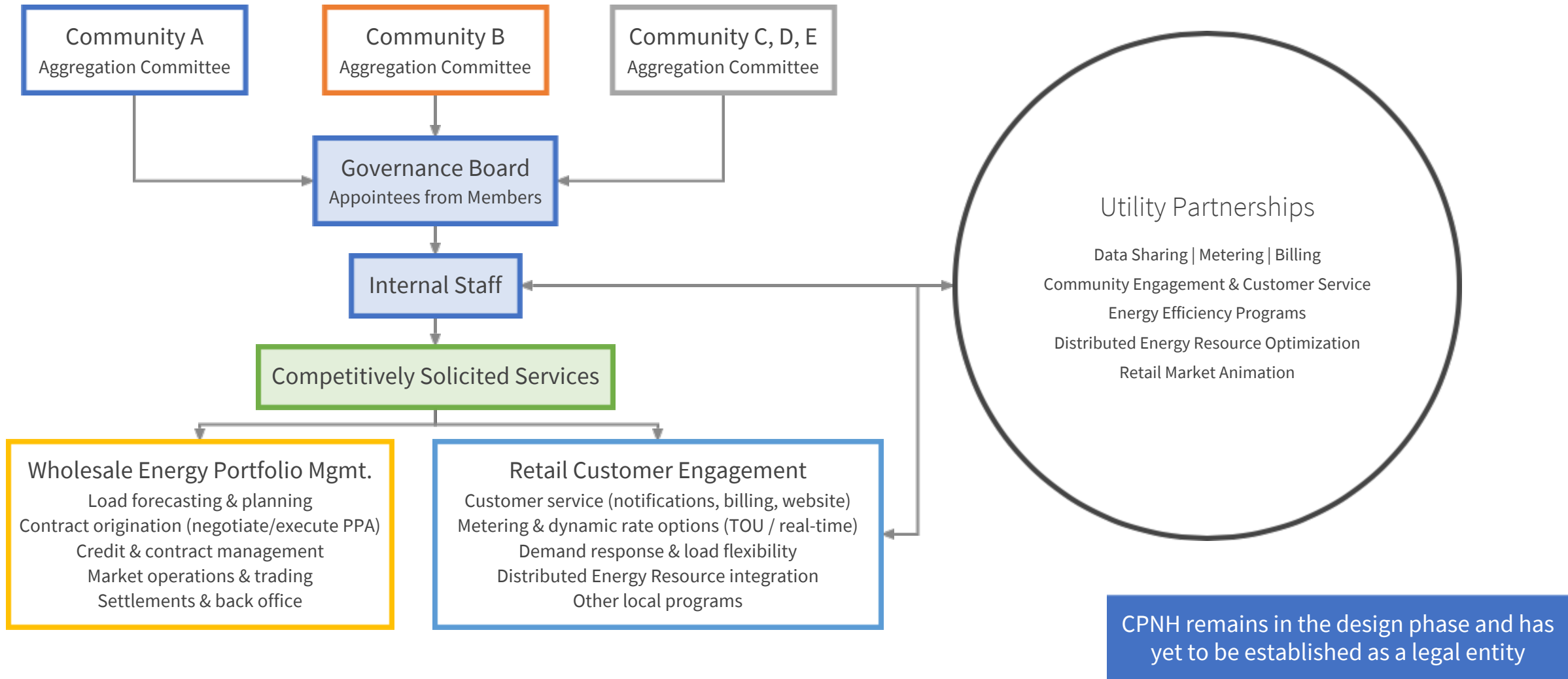


Vermont Public Power Supply Authority

- Example of a 'Shared Services Office' housing wholesale power supply services for multiple smaller entities.
- Board of Directors filled by 12 member municipal utilities

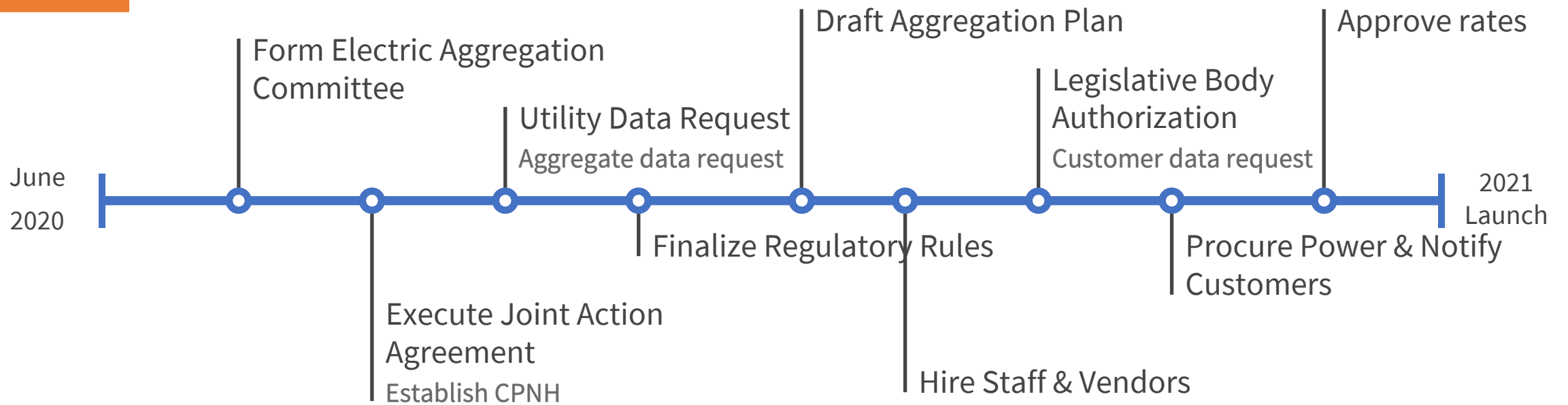


Operations: CPNH Organization Chart



Road Map to Community Power and CPNH Launch

CPA Road Map



CPNH Road Map

Section 3

PUC Rule-Making

Will detail customer data sharing process between utilities & CPAs

Section 4

Market & Policy Context

State Policy & Market Context

How do CPAs interact with NHSaves energy efficiency programs?



Electric Restructuring (Market Formation)

Calls for Competitive Markets
across Retail & Wholesale
to Enable Customer Choice +
drive Efficiencies & Innovation
with Appropriate Price Signals



Grid Mod & Data Platform (Market Infrastructure)

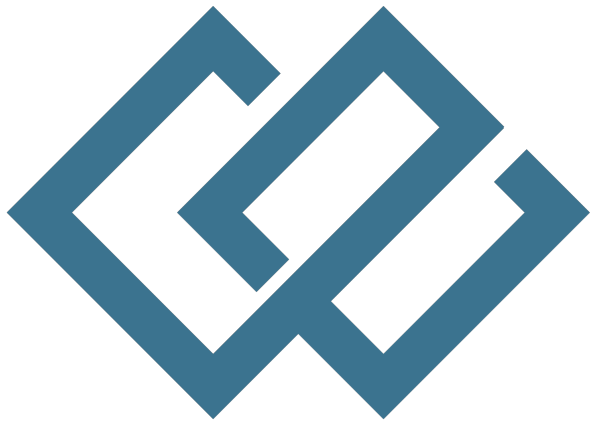
Integrate Distributed Energy
Resources
Reduce generation + T&D costs
Empower customers to use
electricity efficiently & lower
bills
Enhance resiliency, reliability &
operational efficiency



Community Power (Market Animation)

Local & Joint Action
Governance
Retail Customer Engagement
Utility Partnerships

How do CPAs engage with net metering and distributed energy resource integration?




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