

NEEP Annual Summit – A Manufacturer Perspective



COOLING & HEATING

MAKE COMFORT *Personal*[™]

Electrification

Electrification of buildings and industry in the United States
Drivers, barriers, prospects, and policy approaches

Energy Analysis and Policy
Lawrence Berkeley National Laboratory

AMERICA'S CLEAN ENERGY FRONTIER: THE PATHWAY TO A SAFER CLIMATE FUTURE

nationalgrid

Northeast 80x50 Pathway

ZEV // MULTI-STATE ZEV ACTION PLAN
ACCELERATING THE ADOPTION OF ZERO EMISSION VEHICLES
2018-2021

NREL

Electrification Futures Study: End-Use Electric Technology Cost and Performance Projections through 2050

EnergyVision
A Pathway to a Modern, Sustainable, Low Carbon Economic and Environmental Future

Ceres Sustainability in the bottom line

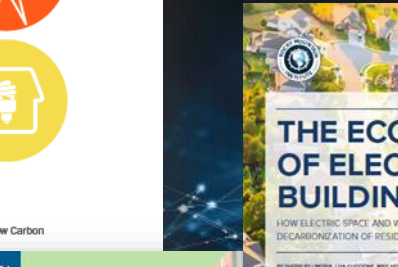
MJB & A

Accelerating Investment in Electric Vehicle Charging Infrastructure
Estimated Needs in Selected Utility Service Territories in Seven States



SPRI

OF THE U.S. NATIONAL INFRASTRUCTURE ASSESSMENT



RAP

Beneficial Electrification
Ensuring Electrification in the Public Interest



New Efficiency: New York
A milestone energy efficiency target and comprehensive strategy — New York State's ambitious approach

2025 STATEWIDE ENERGY EFFICIENCY TARGET

185 TBtu end-use savings in buildings and industrial facilities below the 2025 energy use forecast

THE ECONOMICS OF ELECTRIFYING BUILDINGS
HOW ELECTRIC SPACE AND WATER HEATING SUPPORTS DECARBONIZATION OF RESIDENTIAL BUILDINGS

Action Plan to Accelerate Strategic Electrification in the Northeast

Market Transformation: Programs

- Goal: Create a THRIVING, naturally driven market
- HOW: Program is impactful enough to elicit change
- Example: MA CEC ccASHP program
 - Lowering rebate in Nov 2018 from \$625/ton to \$500/ton
 - Change was made in 2016 and program continued to accelerate
 - This is evidence of a natural market maturing

	Participating Contractors	# Units Incentivized
2015	199	2605
2016	325	3534
2017	387	3984
2018	380	2374* (thru July)

The Case for Early Retirement and Offseason Programs

- Competing Initiatives

