# UNPRECEDENTED CONDITIONS AND THE SECOND WAVE OF COMPETITIVE ELECTRICITY RESTRUCTURING

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TWO DECADES OF PARALLEL REGULATORY REGIMES IN THE U.S. 13 OF 14 CHOICE JURISDICTIONS ARE IN THE NORTHEAST QUADRANT CHOICE STATES ACCOUNT FOR ONE-THIRD OF U.S. ELECTRICITY 5 OF 7 HYBRID RESTRICTED ACCESS STATES ARE IN THE WEST

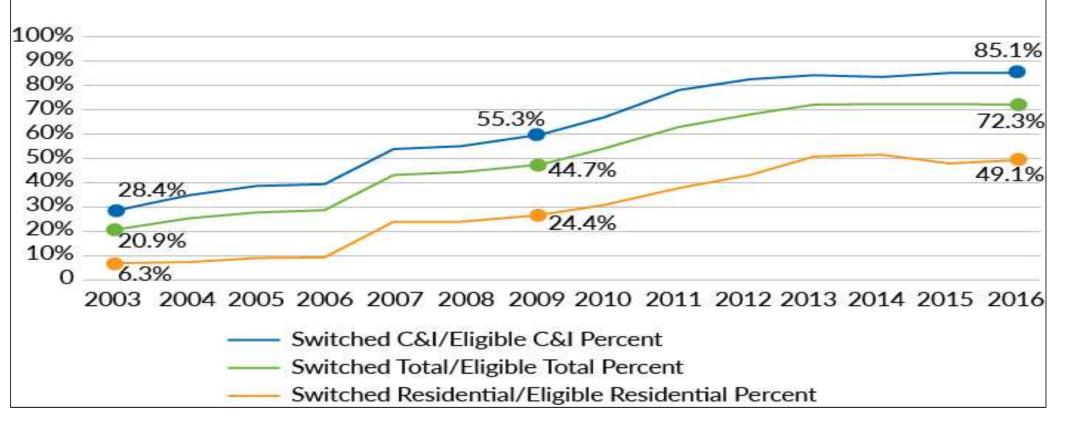


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## CUSTOMERS EMBRACE CHOICE WHEN GIVEN THE OPPORTUNITY 20 MILLION NON-UTILITY CUSTOMERS IN 2016

#### Percentage of Load Switched in the 14 Competitive Jurisdictions

The great majority of eligible load in the choice jurisdictions is served by competitive suppliers



## UNPRECEDENTED CONDITIONS ARE CONVERGING TO PROPEL A SECOND WAVE OF COMPETITIVE RESTRUCTURING

### • FLAT LOAD – Grid-served power consumption has been flat since 2007

- Traditional monopoly regulation worked well enough when kWhs & GDP were aligned.
- Increasing fixed costs must now be spread over a stagnant sales base.
- In choice states, only the delivery cost component is spread by regulators over that base.
- In traditional states, generation fixed costs, including uneconomic assets, are included.
- Traditional regulation places generation fuel, technology, sales volume risks on customers.
- **GENERATION "DYS-ECONOMICS"** The traditional rule of thumb that capital-intensive central station plants will have lower lifetime fuel costs no longer is generally valid.
  - Natural gas has been overtaking coal as the primary U.S. generation fuel.
  - Choice states have added substantial gas capacity in the competitive era, have a greater share of production from nuclear than traditional states and are far less reliant on coal.
  - Renewables, both utility scale and distributed are a signifcant disrupter..
- **DIGITAL CUSTOMER SOVEREIGNTY** Traditional monopoly is incompatible with a world of digital empowerment that facilitates custom electricity transactions and innovation.

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