



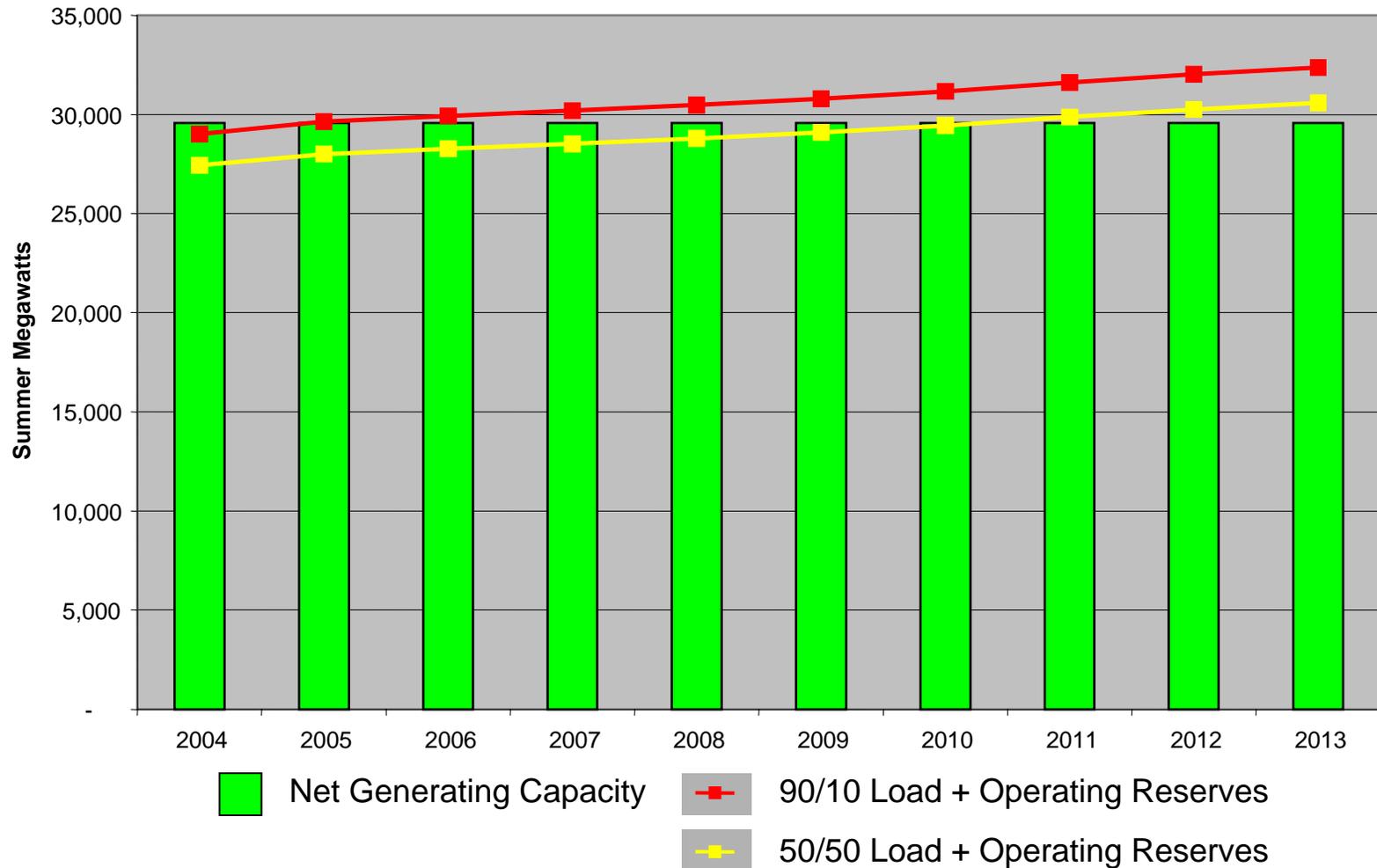
FERC Infrastructure Conference for Connecticut and New England: Connecticut Overview

**Kevin Kirby
ISO New England
Hartford, Connecticut
October 13, 2004**



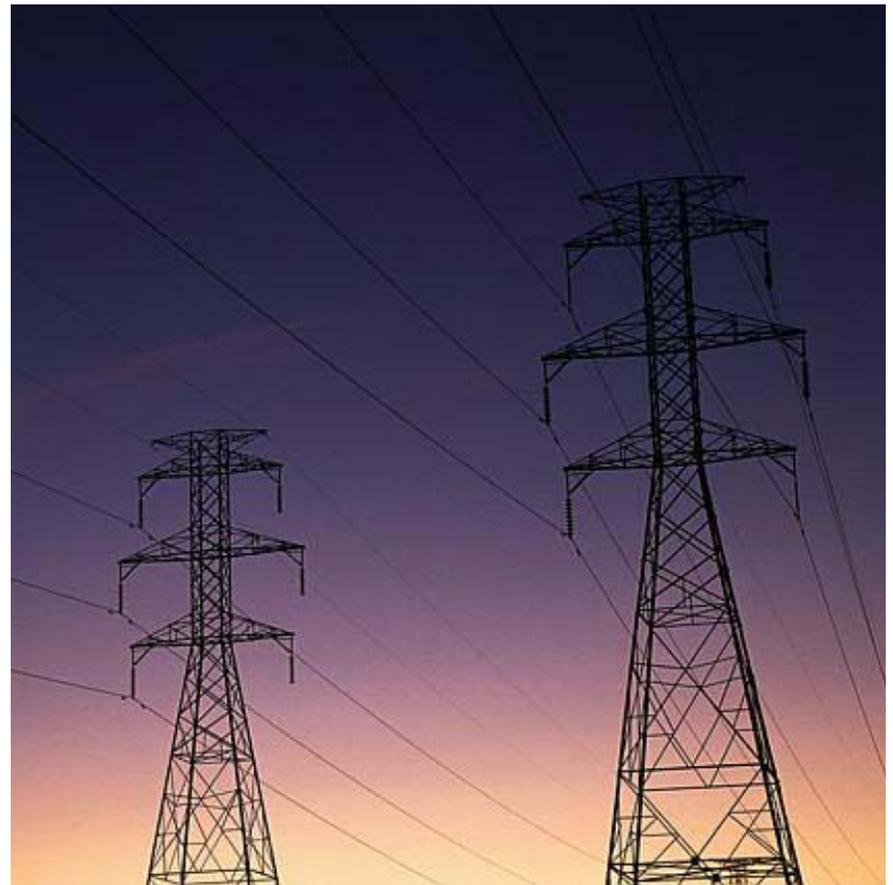
New England's Capacity Situation

Today's surplus capacity situation will be short-lived



Major Concerns

- Transmission investment lags
 - Transmission constraints have created load pockets
 - Threatens regional reliability
- Certain resources are critical
- Even with planned transmission upgrades, additional resources will be needed
- Existing generation at risk
- Fuel diversity



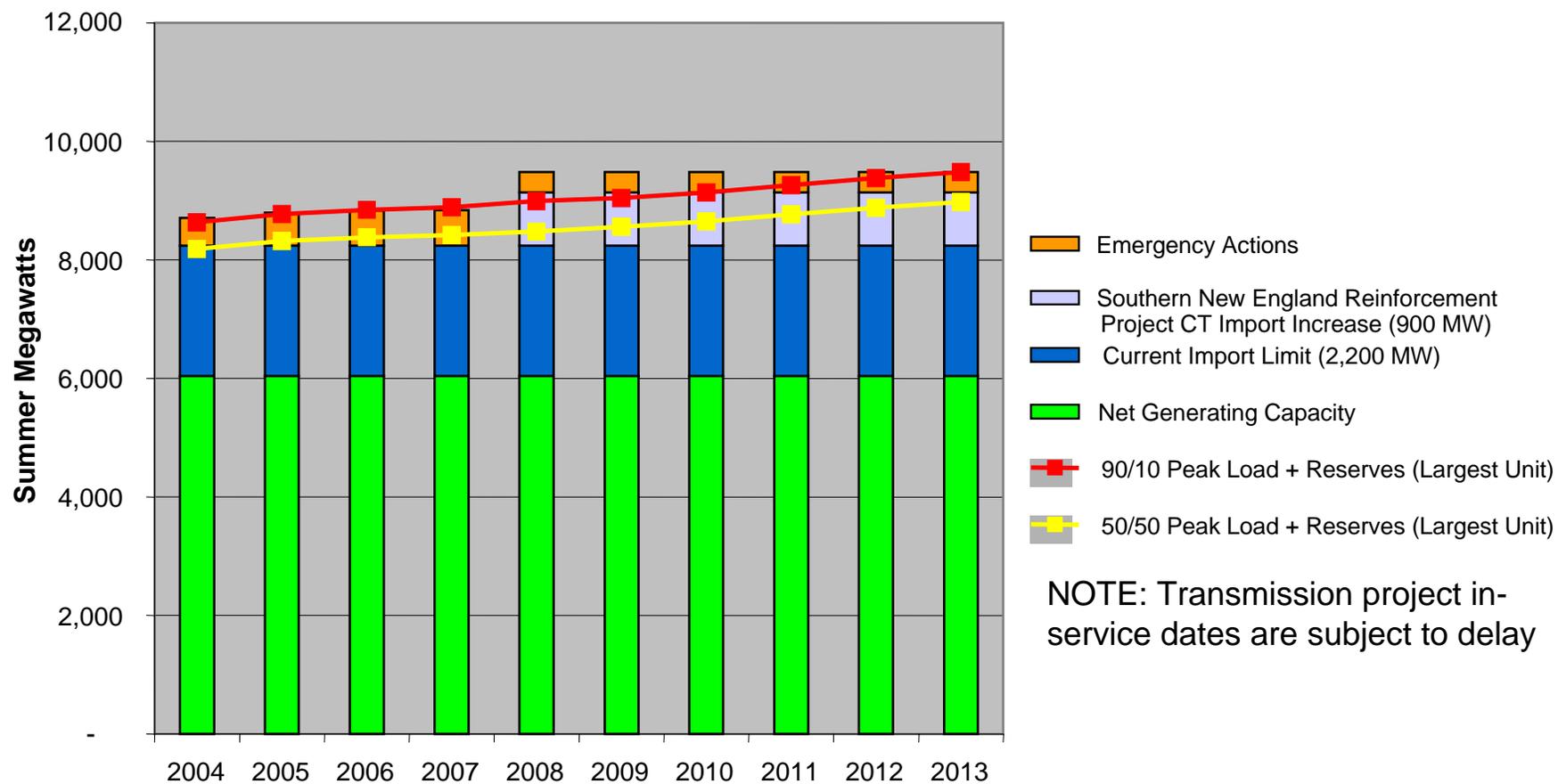
Connecticut: Overview

- Capacity inadequate to serve demand and meet reliability requirements
- Special measures (emergency resources, operating procedures) needed to keep the lights on now in Southwest Connecticut
- Existing generation needed to provide bulk power system support
- More than 2000 MW has been proposed for deactivation, has been deactivated or is operating under reliability agreements



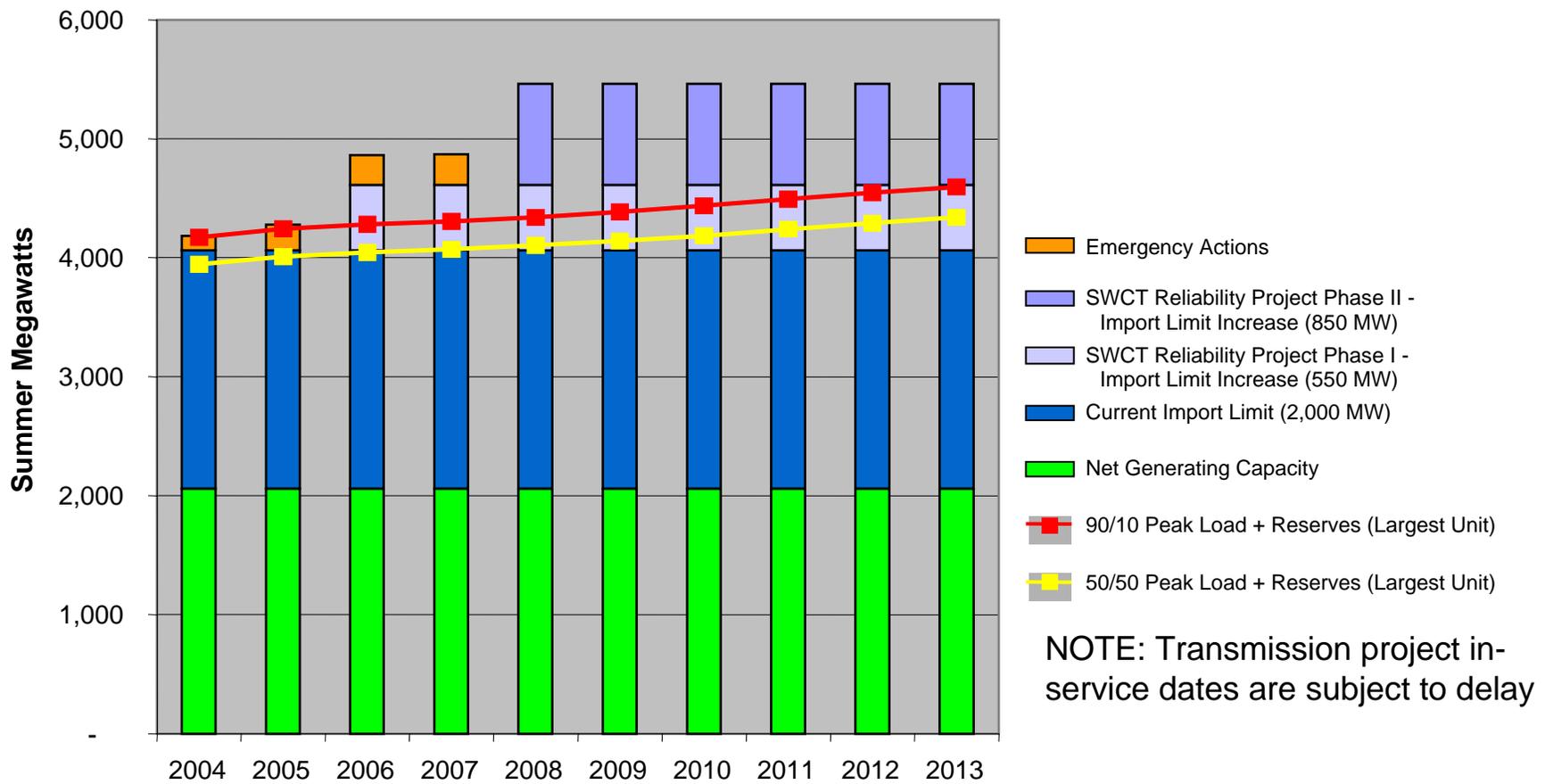


Connecticut Capacity Situation



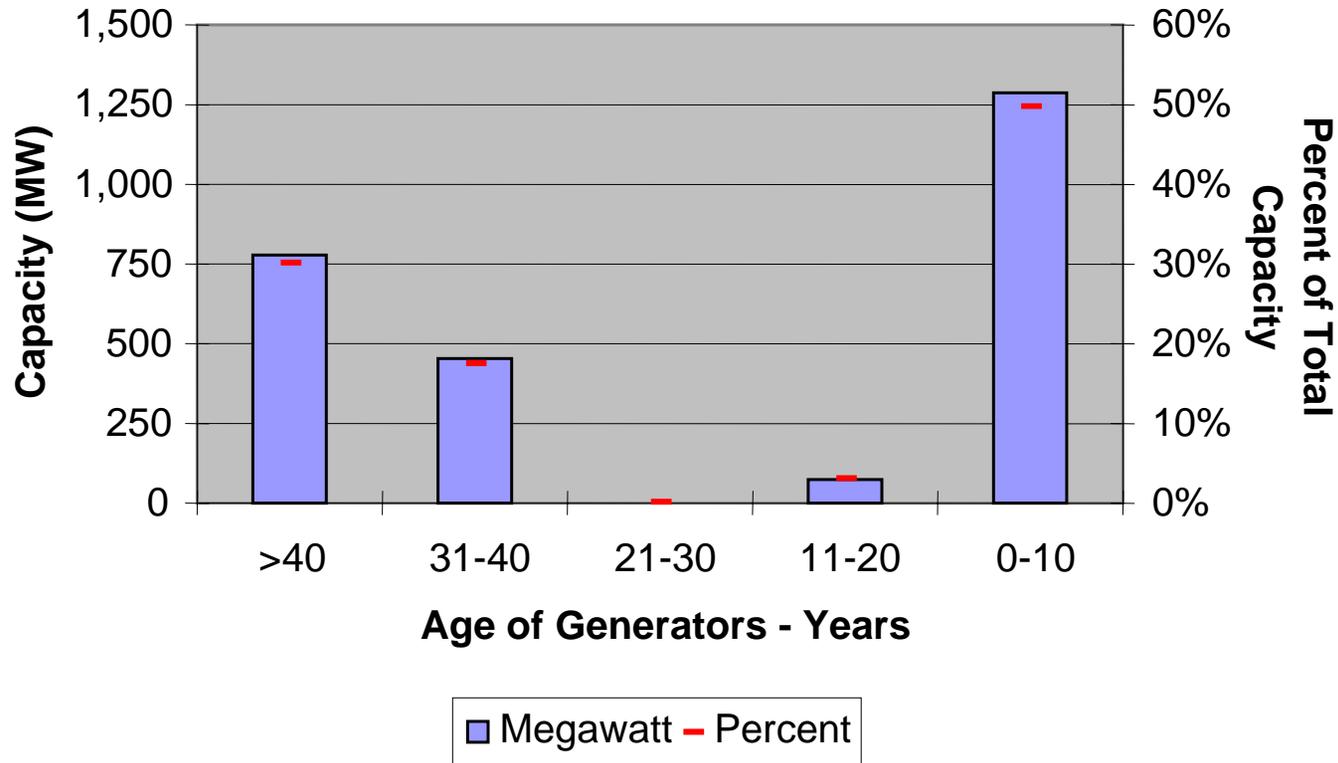


Southwest Connecticut Capacity Situation



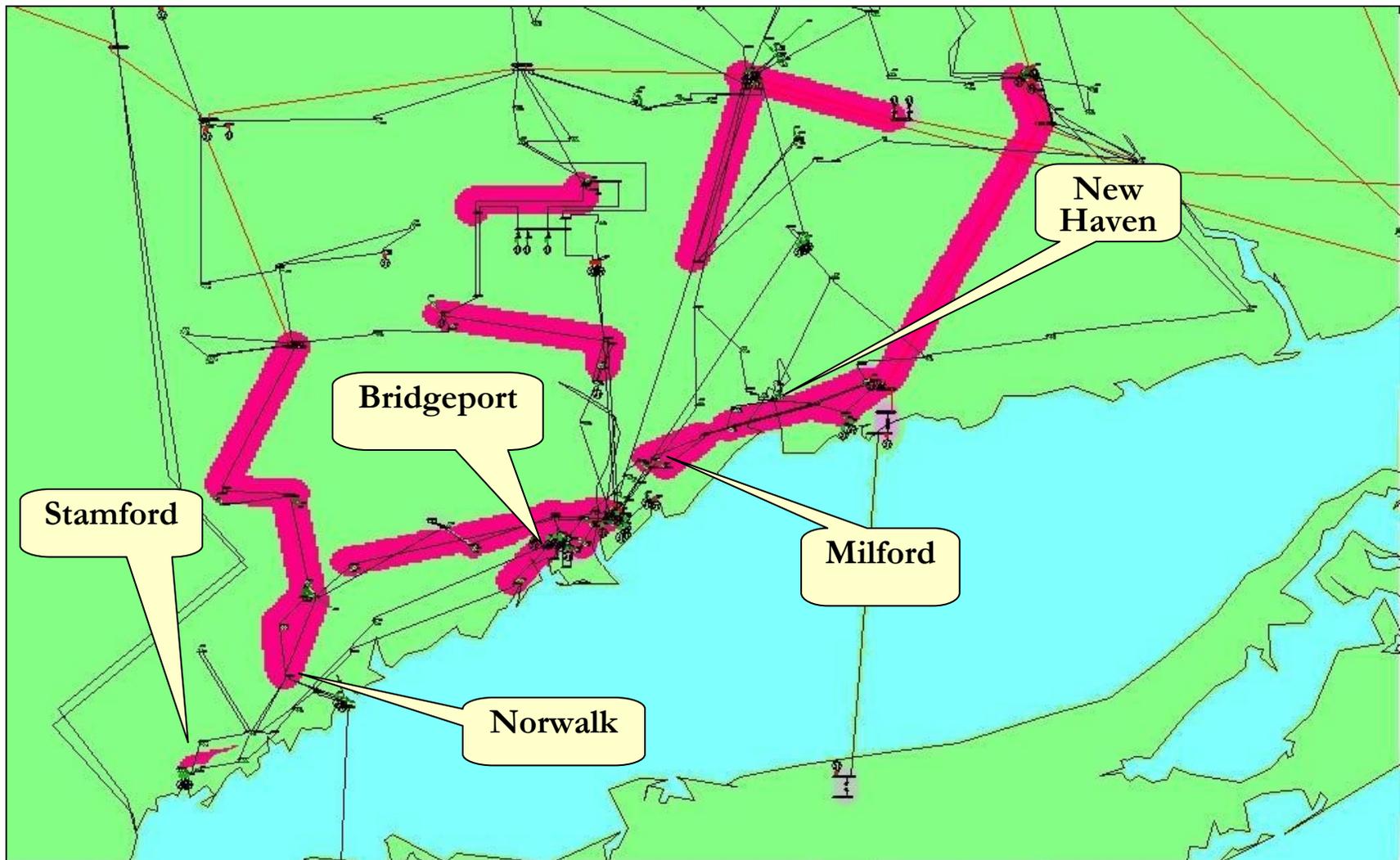


Age of Generators in Southwest Connecticut



Post-Contingency Violations

Current System Thermal Overloads



Conclusions and Required Actions

- Capacity in Connecticut is inadequate to serve demand reliably
- Special measures keep the lights on now in Southwest Connecticut
- Timely approval and operation of transmission infrastructure is needed
- Market enhancements are needed to encourage:
 - Investment in capacity where it is needed most
 - New generation resources
 - Re-powering of older units
 - Increased demand response and conservation

