



Geotargeting in Vermont: Using Efficiency to Defer or Avoid Transmission & Distribution Constraints

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ACEEE Efficiency as a Resource Conference
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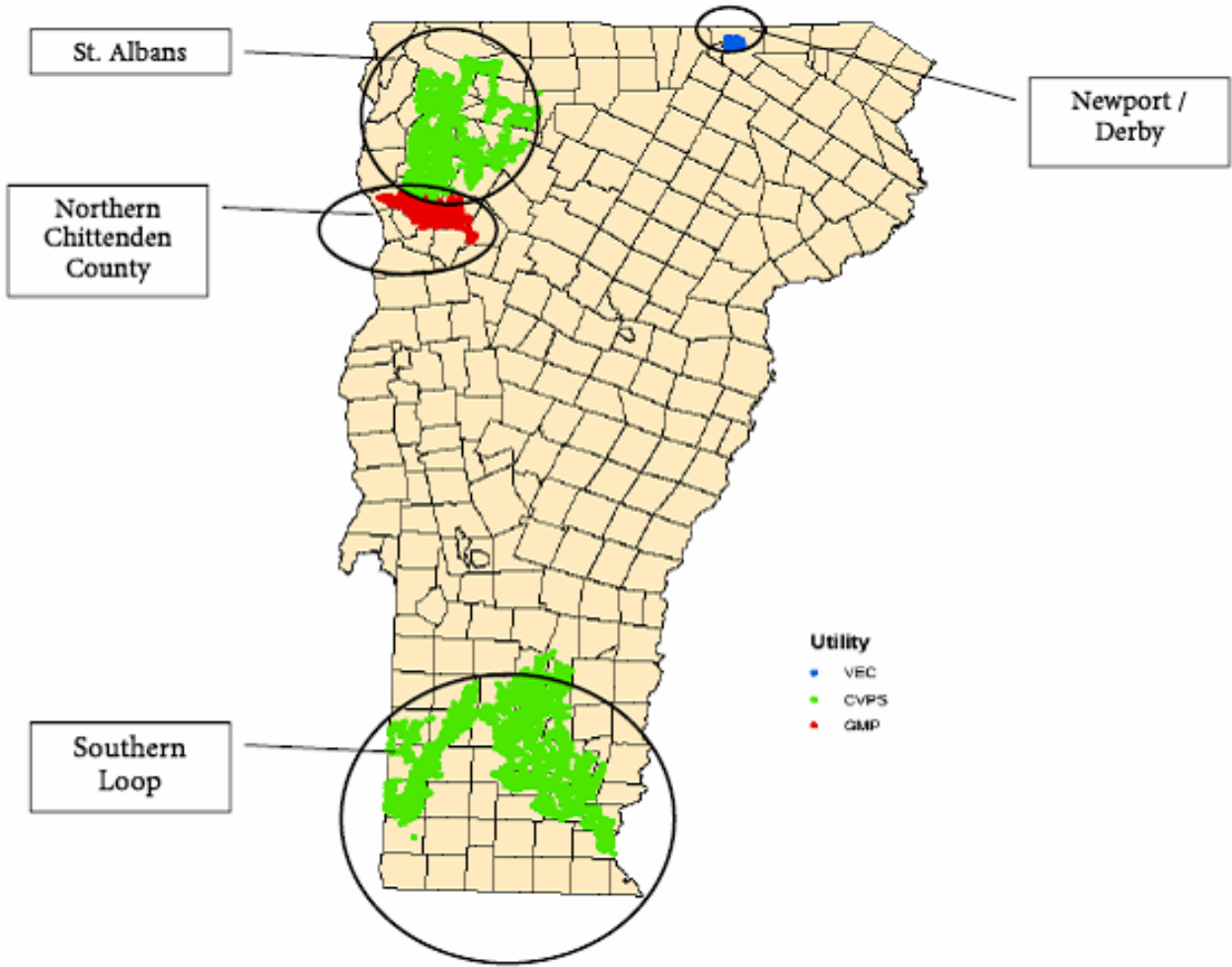
Planning process not sufficient

- ▶ The Public Service Board: earlier, greater, effort at efficiency might have opened up alternatives
- ▶ Opened an investigation into ways to ensure that cost-effective Non-Transmission alternatives are given full, fair, and *timely* consideration

In the meantime...

- ▶ General Assembly lifted cap on EE spending, added to a list of priorities avoiding T&D
- ▶ PSB approved an increase in Efficiency Funds, directed toward targeted geographic areas
- ▶ Technical working group to identify high load growth areas with capacity constrained infrastructure
- ▶ Information needed was significant, but time was tight -- Utilities proposed targeted areas

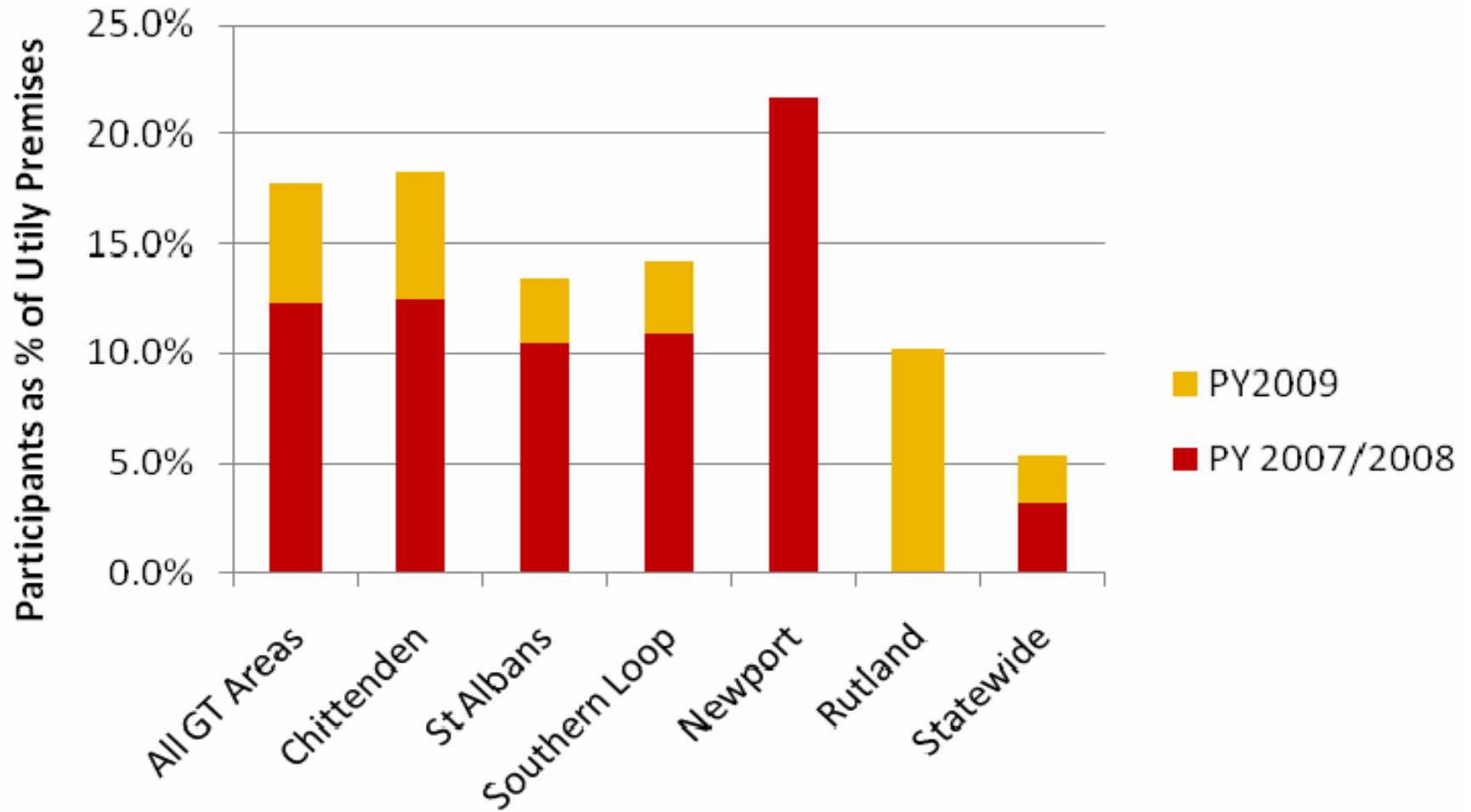
Vermont GeoTargeted Premises



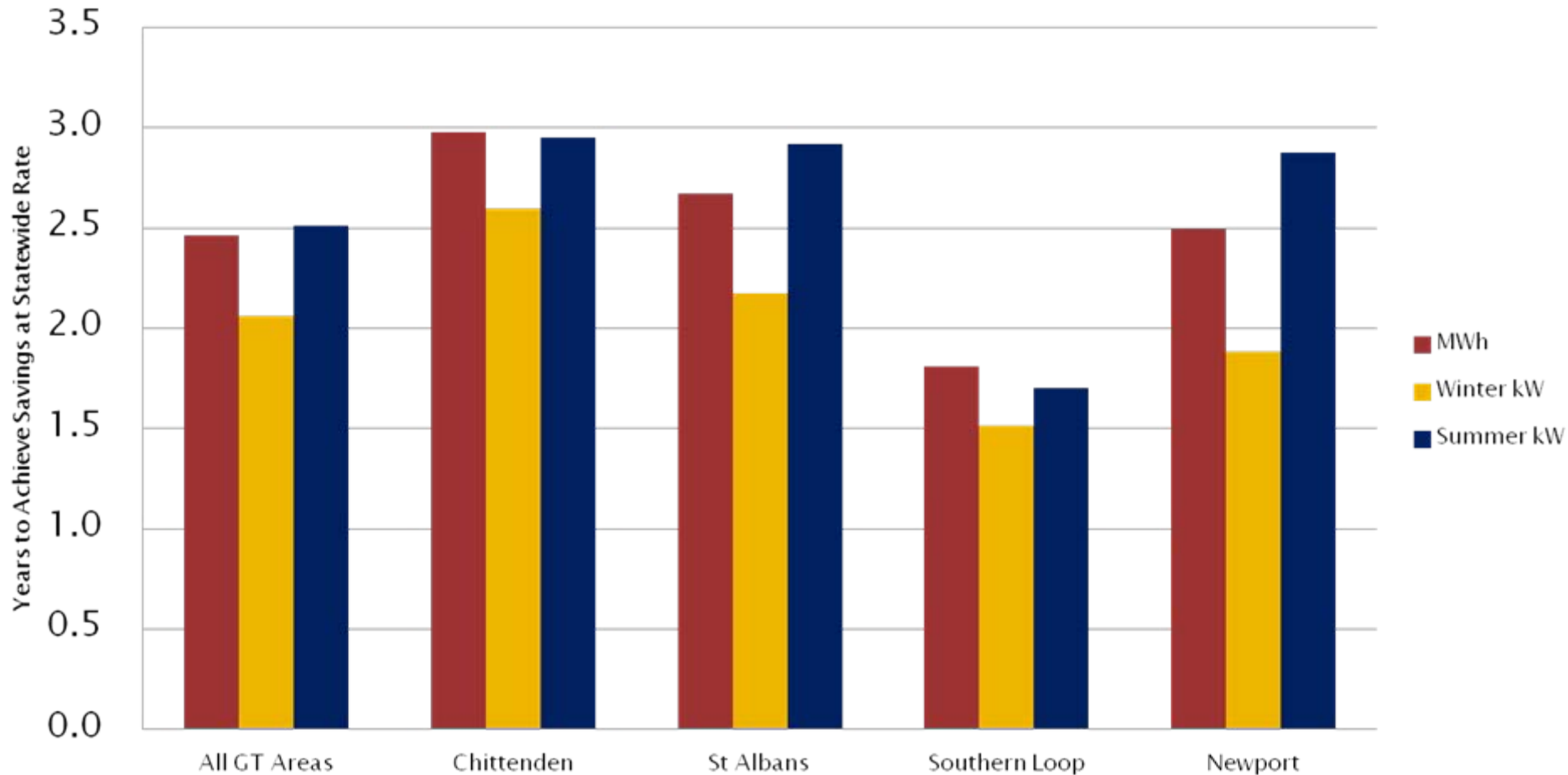
Geotargeting Implementation

- ▶ Efficiency Vermont designed programs to meet the policy request
- ▶ C&I programs
 - “Lighting Plus”
 - Enhanced Key Account Management
- ▶ Residential Programs
 - Increase penetration of CFLs
- ▶ No Direct Load control or Demand Response

Results – participation rates



Results - Acceleration Rate



Results – Costs

- ▶ EVT costs – Approximately \$.01 /kWh more in GT areas (~25% increase)
- ▶ Total Costs – including participant and third party – negligibly higher



Do these savings really show up on the system?

- ▶ Circuit level analysis comparing GT with non GT feeders shows an increase in savings in GT areas – that savings correlate with verified savings



No Regrets?

- ▶ Potentially could have achieved more savings statewide at a lower \$/MWh
- ▶ Comprehensiveness of savings – did we create lost opportunities?
- ▶ **All measures installed cost-effective**

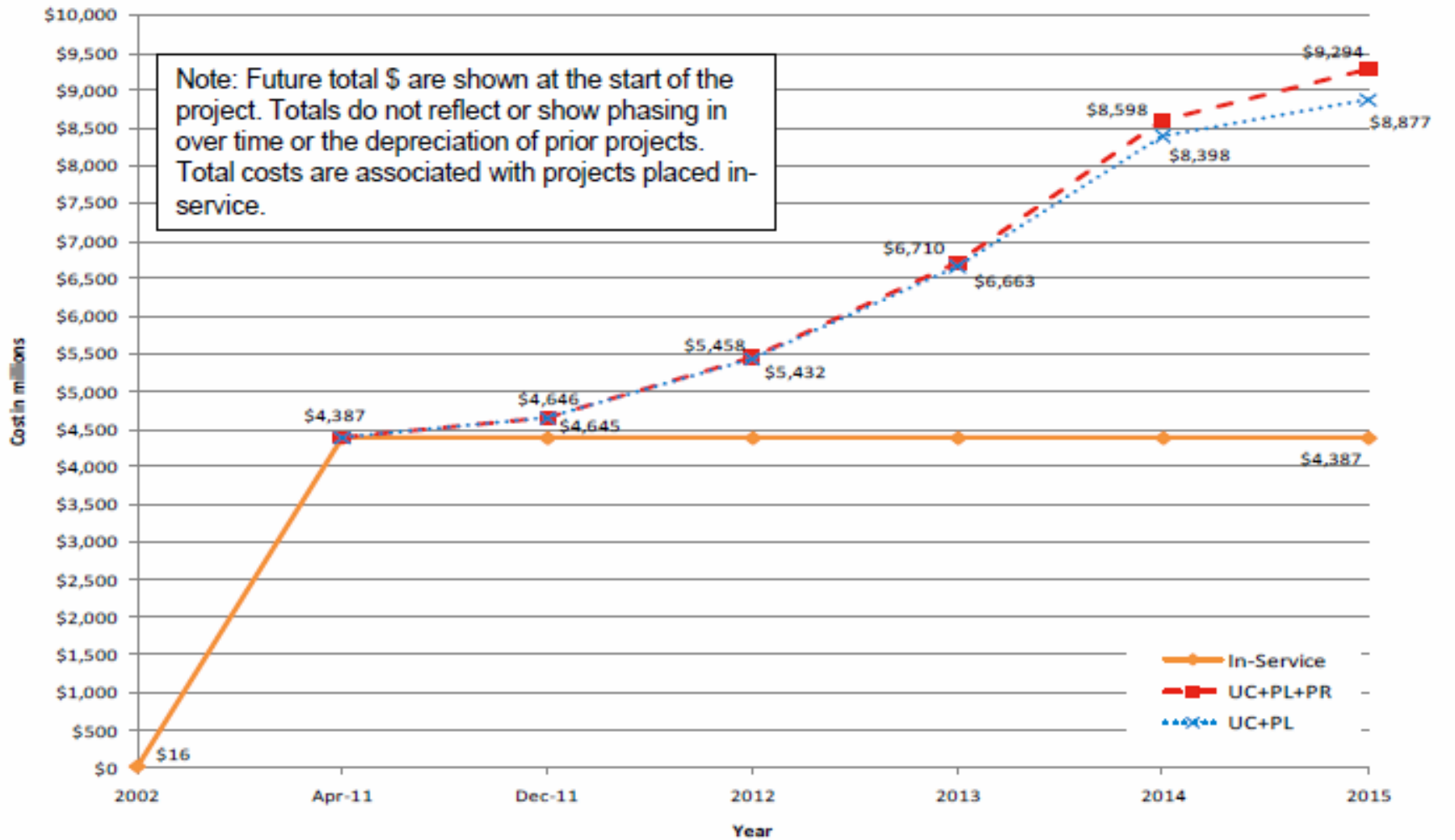
So.... What does this mean

- ▶ GT is a viable option to cost-effectively accelerate participation and savings, and is a viable NTA alternative
- ▶ Minimum 3 years, maximum 10 years from project due date

Back to the process

- ▶ Vermont System Planning Committee undertaking a transparent, robust process for GT area selection
 - All Utilities – including EEU
 - Department of Public Service
 - Members of the public
 - Advocacy Groups
- ▶ Detailed Info re: constraint, estimated deferral value, specific EE Potential on affected circuits
- ▶ Analysis will determine whether we continue

This matters!



Questions?

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