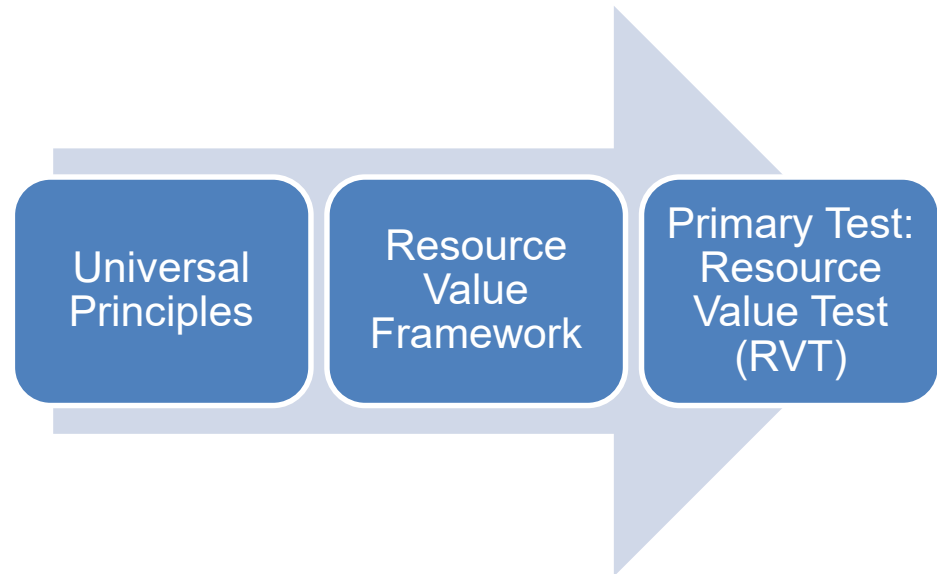
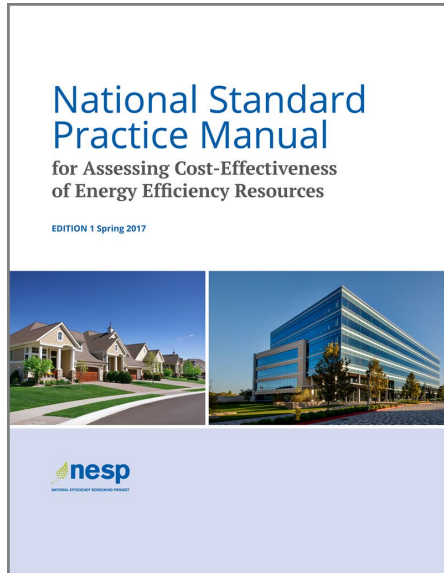


Cost Effectiveness as a Challenge for EE:
Applying a New Framework to Improve Practices

Julie Michals – E4TheFuture
IEPEC 2019

NSPM for EE (May 2017)



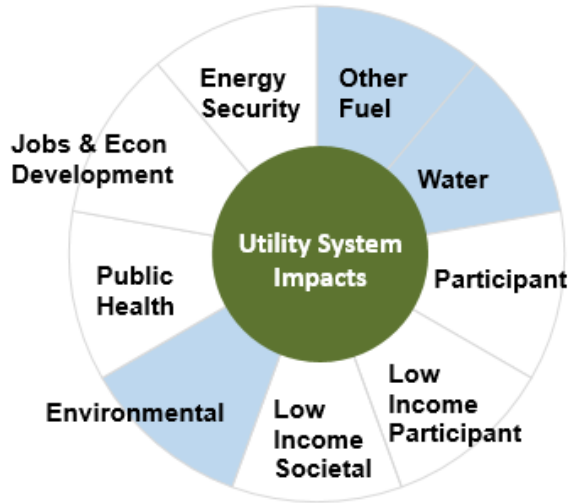
NSPM Principles:

1. Treat EE as a resource
2. Align with applicable state policies
3. Account for relevant impacts (based on applicable policies) even if hard to quantify)
4. Treat costs and benefits symmetrically
5. Conduct forward-looking analysis (that captures incremental impacts of EE)
6. Ensure transparency in assumptions and results

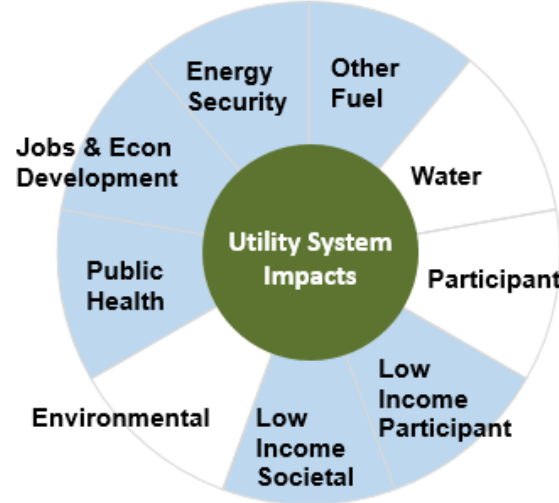
A state's test may align with a traditional test... or not.

Does my state's RVT = UCT, TRCT, SCT... or something else?

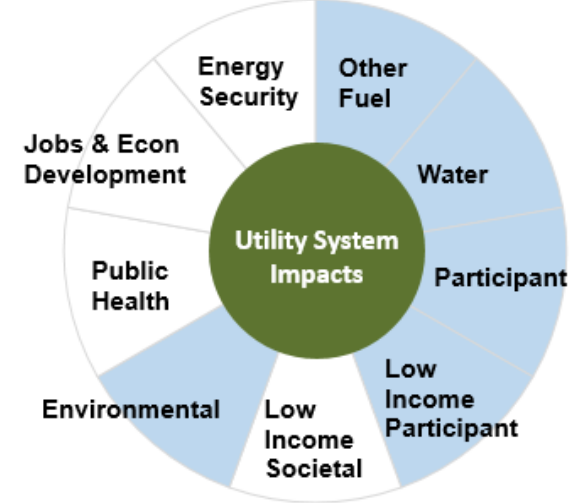
JURISDICTION 1: RVT



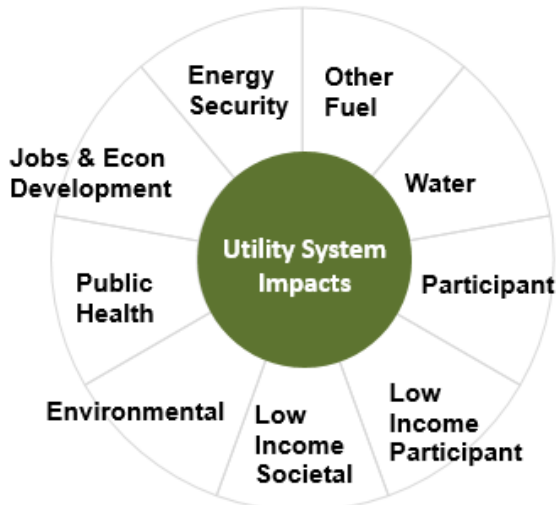
JURISDICTION 2: RVT



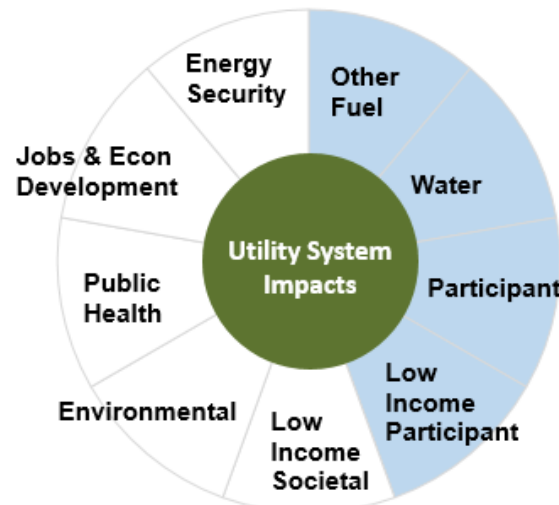
JURISDICTION 3: RVT



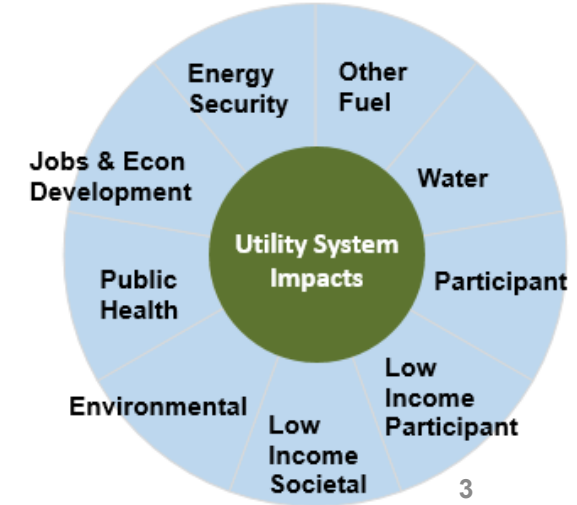
JURISDICTION 4: RVT = UCT



JURISDICTION 5: RVT = TRC

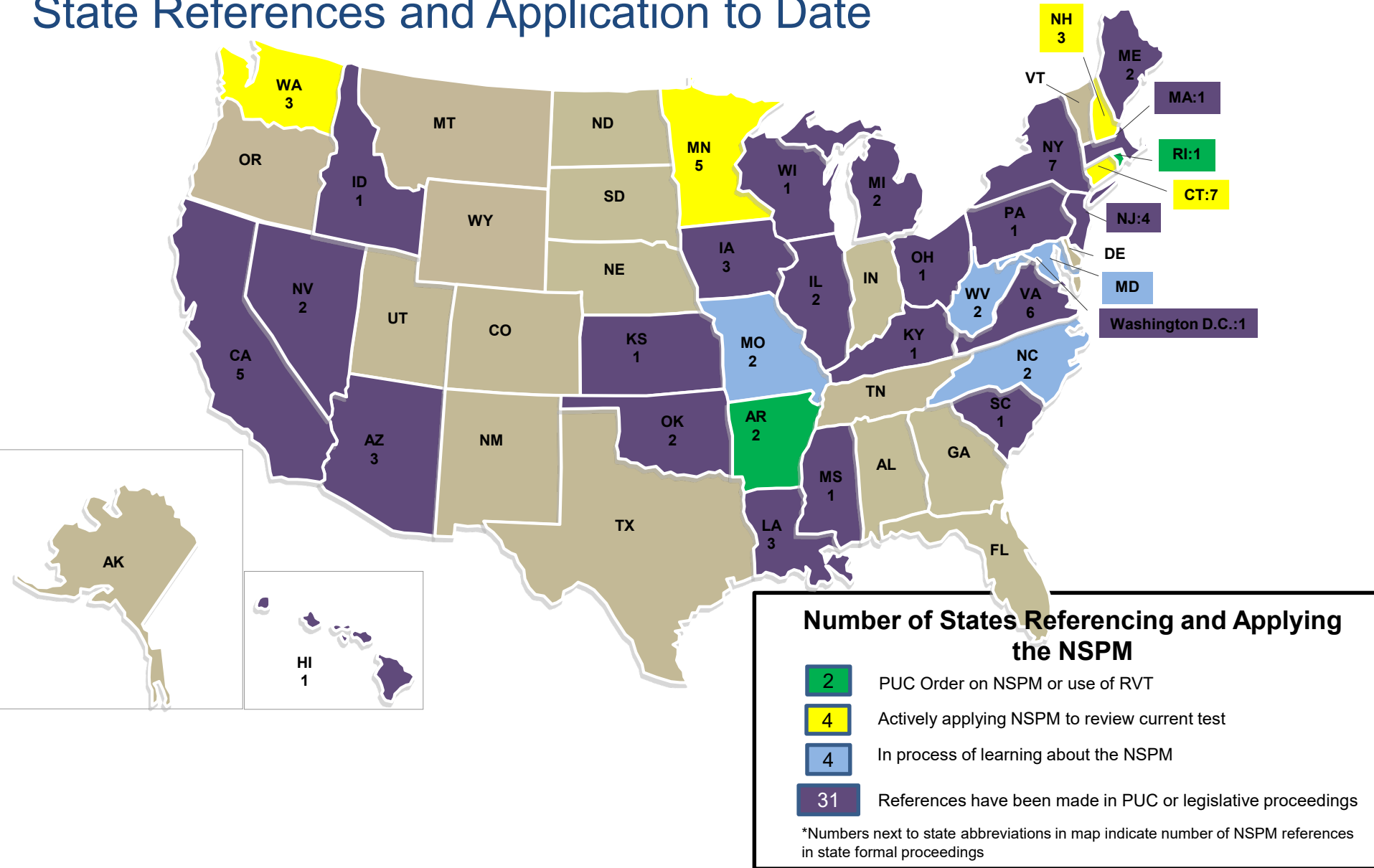


JURISDICTION 6: RVT = SCT



NSPM for Energy Efficiency

State References and Application to Date



Number of States Referencing and Applying the NSPM

- 2 PUC Order on NSPM or use of RVT
- 4 Actively applying NSPM to review current test
- 4 In process of learning about the NSPM
- 31 References have been made in PUC or legislative proceedings

*Numbers next to state abbreviations in map indicate number of NSPM references in state formal proceedings

Breaking down the silos: NSPM for Distributed Energy Resources

- DERs as grid resources and in distribution planning → need common framework to prioritize DER investments
- States currently use different techniques, methodologies, and assumptions for DER BCA → inconsistency even within states
- **NSPM for DERs project (July 2019-June 2020)**
 - Single and multi-DERs: EE, distributed gen (PV, CHP), demand response, electric vehicles, storage
 - Non-wires solutions, temporal and locational BCA
 - Integrated, fuel-neutral DER investments
 - Grid-interactive EE buildings (e.g., advanced controls, sensors and data analytics) and optimizing energy use for flexible building loads



*Policies needed to support:
iDER investments/programs → iDER BCA → iDER evaluation*

NSPM Resources

NSPM for EE: <https://nationalefficiencyscreening.org/the-national-standard-practice-manual-for-energy-efficiency/>

NSPM Case Studies: <https://nationalefficiencyscreening.org/resources/case-studies/>

NSPM and BCA Modeling:

<https://nationalefficiencyscreening.org/resources/nspm-and-models/>

Database of State Efficiency Screening Practices (DSESP):

<https://nationalefficiencyscreening.org/state-database-dsesp/>

NSPM for DERs (Overview):

<https://nationalefficiencyscreening.org/the-national-standard-practice-manual-for-ders/>

Julie Michals

jmichals@e4thefuture.org

www.nationalefficiencyscreening.org