

Driving Toward National EM&V Standards: Other Considerations

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Introduction

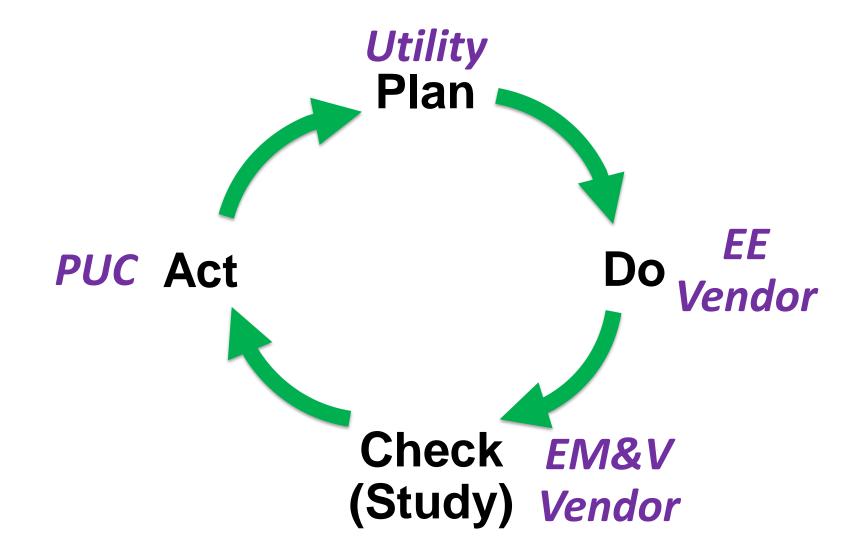


- The Regulatory Assistance Project (RAP) is a global, non-profit team of energy experts, mostly veteran regulators, advising current regulators on the long-term economic and environmental sustainability of the power and natural gas sectors. (www.raponline.org)
 - Foundation-funded; some contracts
 - Non-advocacy; no interventions



• Ken Colburn is a Principal at RAP. His experience as an air quality regulator came as Air Director for the State of New Hampshire and as Executive Director of NESCAUM.

Deming's "Plan-Do-Check-Act" (PDCA) Cycle



Not Easy: Quantifying Avoided Emissions from EE Policies and Programs

Develop a **baseline** forecast of energy consumption and associated emissions

Determine which EE policies and programs are already **embedded** in the baseline forecast

Quantify the expected **energy savings** from incremental EE 3 (MWh) Free Net vs. "EM&V"? Riders? **Gross?** Quantify the expected avoided emissions from incremental EE (tons) Marginal Time of In-State or Plant? Day? Out?

In a Short Compliance Window!

Time for "Emissions Efficiency" as a Metric?

- CPP and Air Quality issues likely to remain a key driver,
- But as the grid gets cleaner (less coal, more DER)...
- And electrification broadens (EVs, heat pump HVAC and water heaters, etc.)...
- Is kWh the best measure for EE, EM&V or tons?

About RAP

The Regulatory Assistance Project (RAP) is a global, non-profit team of experts that focuses on the long-term economic and environmental sustainability of the power sector. RAP has deep expertise in regulatory and market policies that:

- Promote economic efficiency
- Protect the environment
- Ensure system reliability
- Allocate system benefits fairly among all consumers

Learn more about RAP at www.raponline.org

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