



NYSERDA

THE EMERGING WORLD OF INTEGRATED DISTRIBUTED ENERGY RESOURCES

NEEP Regional EM&V Forum Annual Meeting

March 31, 2016

Status of AMI in NY

Varied Landscape

- Mandatory only for customers on hourly price rates
- Separate meters for DER (e.g., solar, CHP)

Recognized value in more granular, higher resolution data

- System value
- Customer value
- Requires improvements through standardization, increased access, integration with customer information

Advancing grid modernization

- PSC approval for AMI roll-out for Con Edison

Programs of the Future

Resource Acquisition Activities at Utilities

- Efficiency programs aimed at customer barriers to adoption
- System investments with non-wires alternatives
 - Improve system efficiency
 - Geographic/Temporal values
 - Resource options assessed via Benefit-Cost Analysis

Market Transformation Activities through the Clean Energy Fund

- Strategies designed to achieve scale of clean energy markets
- Focus on 'soft costs'
 - e.g., Permitting, Financing, Market Standardization, Tool Development
- Market responsive and market enabling
- Sector-specific strategies (e.g., low-moderate income)

Emergent Perspectives on EM&V

Top-Down Evaluation

- Macro-consumption studies
- Sector building stock/potential studies

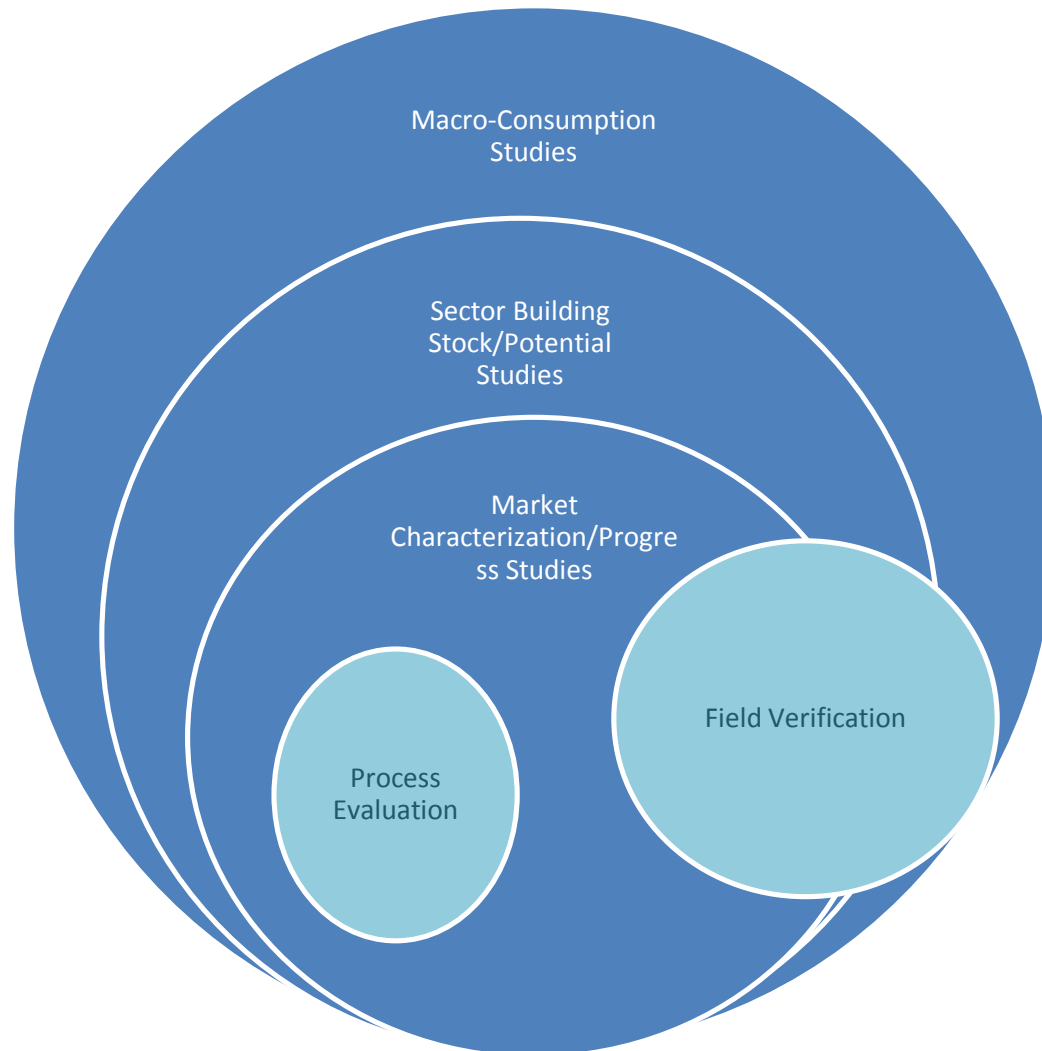
Bottom-Up Evaluation

- Market characterization/market progress studies
- Field verification
- Process evaluation

‘Test-Measure-Adjust’

- Effectiveness of strategy to produce ‘near-term outputs’ that advance ‘portfolio outcomes’

Evaluation Areas - Relationship



Thank You

John Williams
Director, Policy and Regulatory Affairs
NYSERDA
(518) 862-1090 ext. 3333
john.williams@nyserda.ny.gov