

Welcome

Welcome to the Uniform Methods Project Steering Committee Kickoff Meeting – Part II

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Uniform EM&V Methods Project Steering Committee Meeting



**Kickoff Meeting
Part 2
October 5, 2011**

Objectives of Today's Webinar

- Address feedback from Webinar #1 on September 28
- Discuss template for Uniform Methods
- Understand justification of measures
- Select measures

Agenda

10:00-10:10: Welcome

10:10-10:20: Feedback from Webinar #1 on Sep 28

10:20-10:40: Proposed Development Process

10:40-11:20: Uniform Methods Template

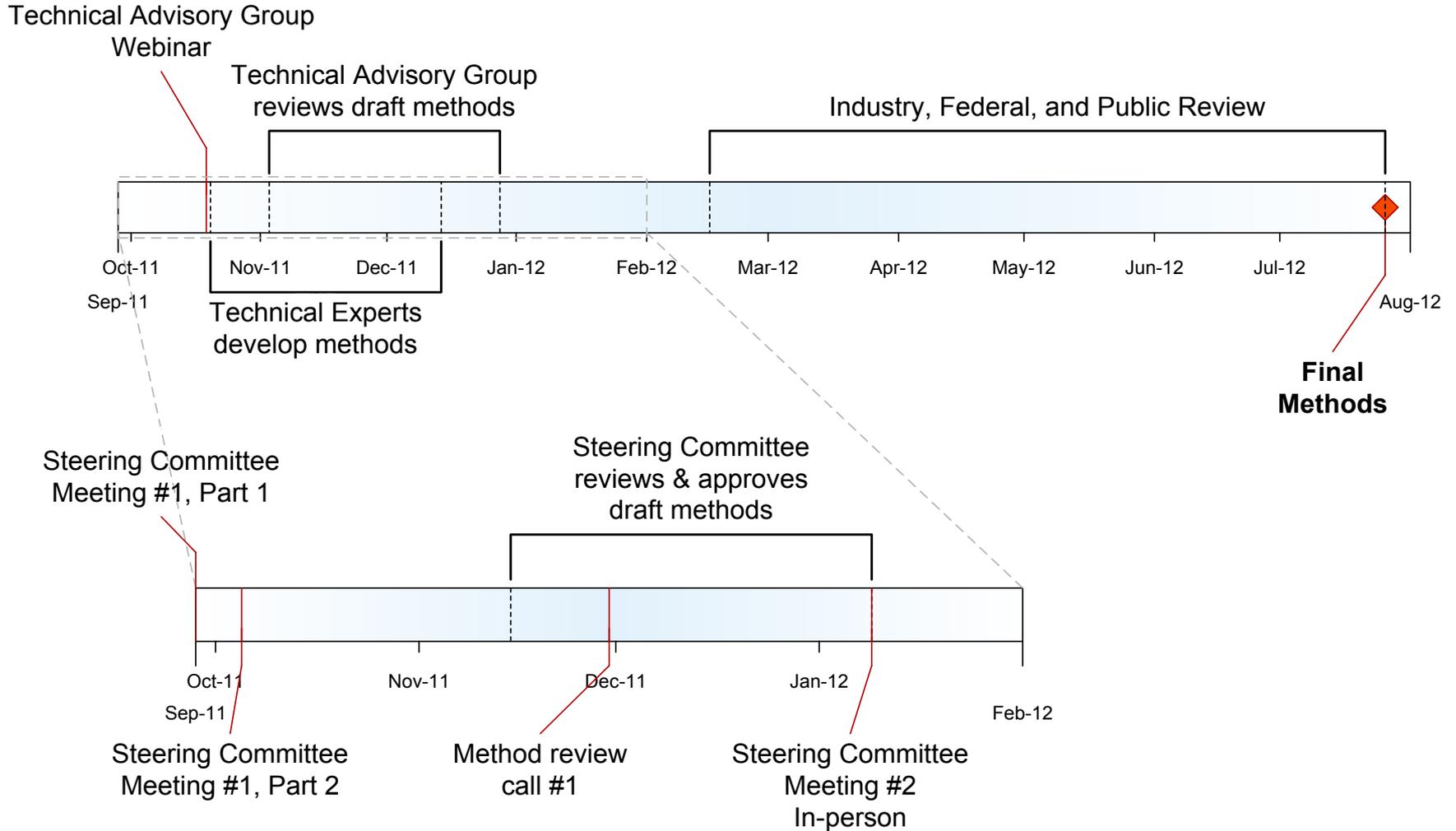
11:20-11:50: Measures & Justification

11:50: Closing Discussion & Next Steps

What we heard at last meeting

- See measures before meeting
- Steering Committee: early engagement during method development
- Clarify definitions
- Scope discussion
- Criteria: Select measures to address specific cross-cutting evaluation issues

Project Timeline



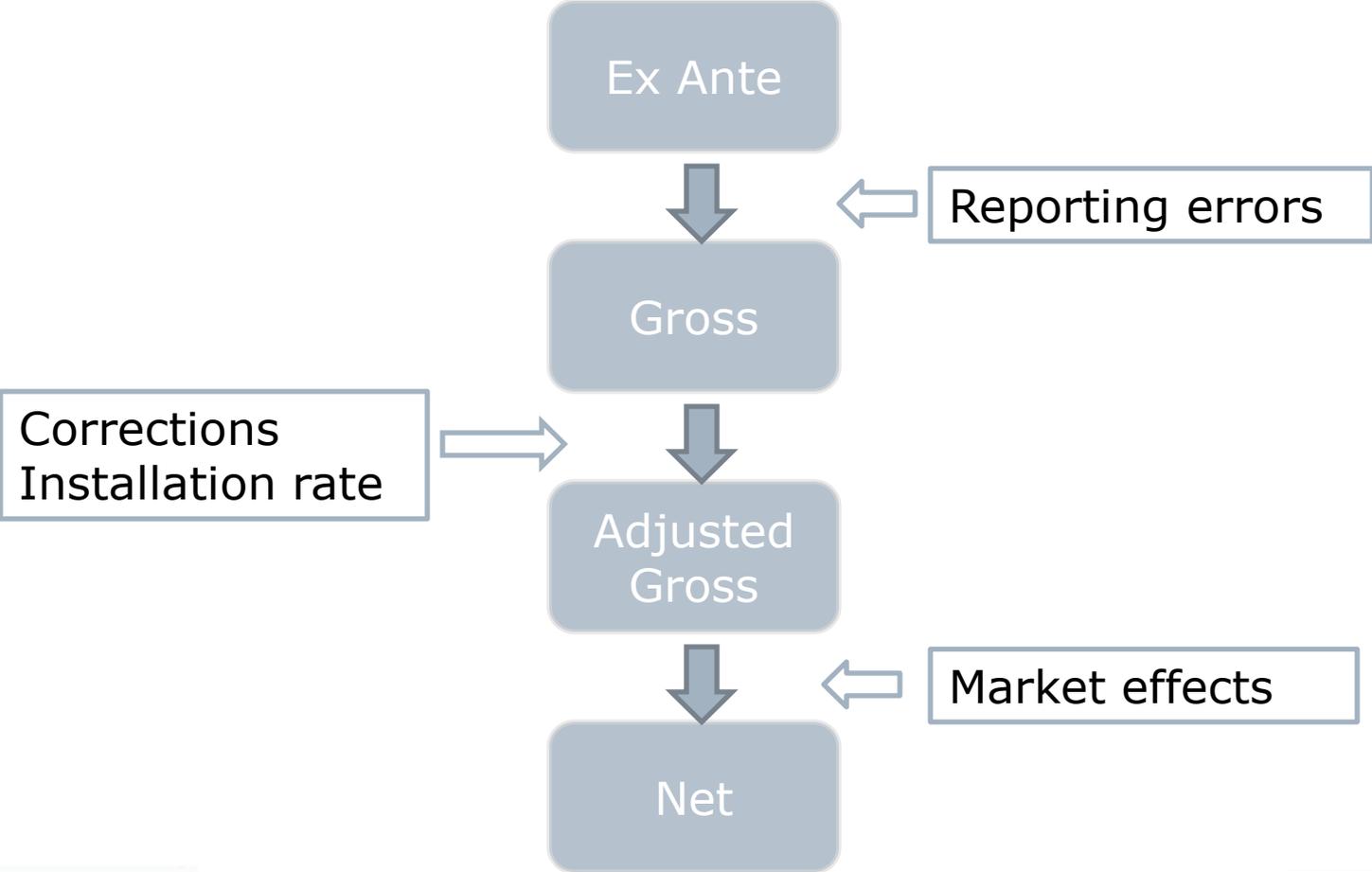
Scope of Work

- Phase I: develop methods for six (6) energy-saving measures/programs
- Phase II: develop methods for a broader, more comprehensive set of measures/programs
 - Technology-based (widget replacement)
 - Activity-based (optimization)
 - Behavior-based (conservation)

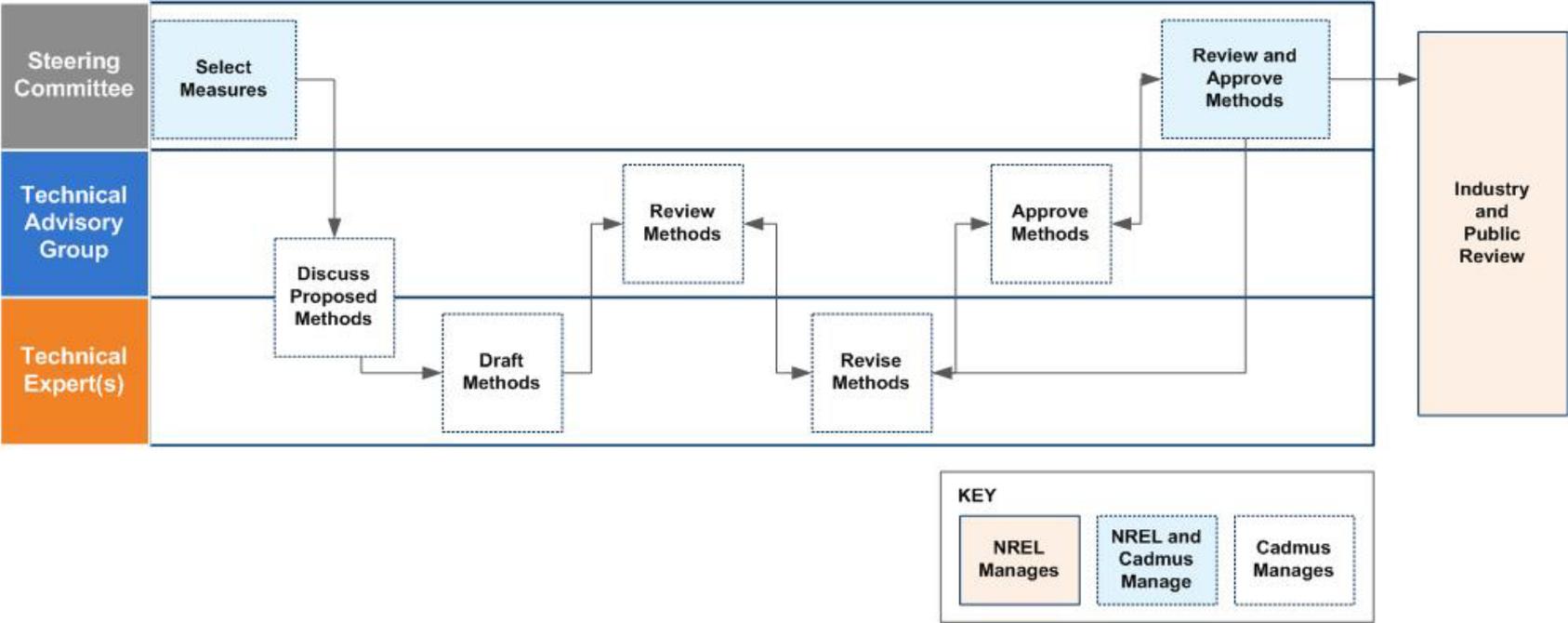
Definitions

- Energy-Efficiency Measure
- Evaluation
- Measurement
- Verification
- Types of Savings
 - *Ex ante* (calculated)
 - Gross (reported or claimed)
 - Adjusted Gross (corrected gross)
 - Net

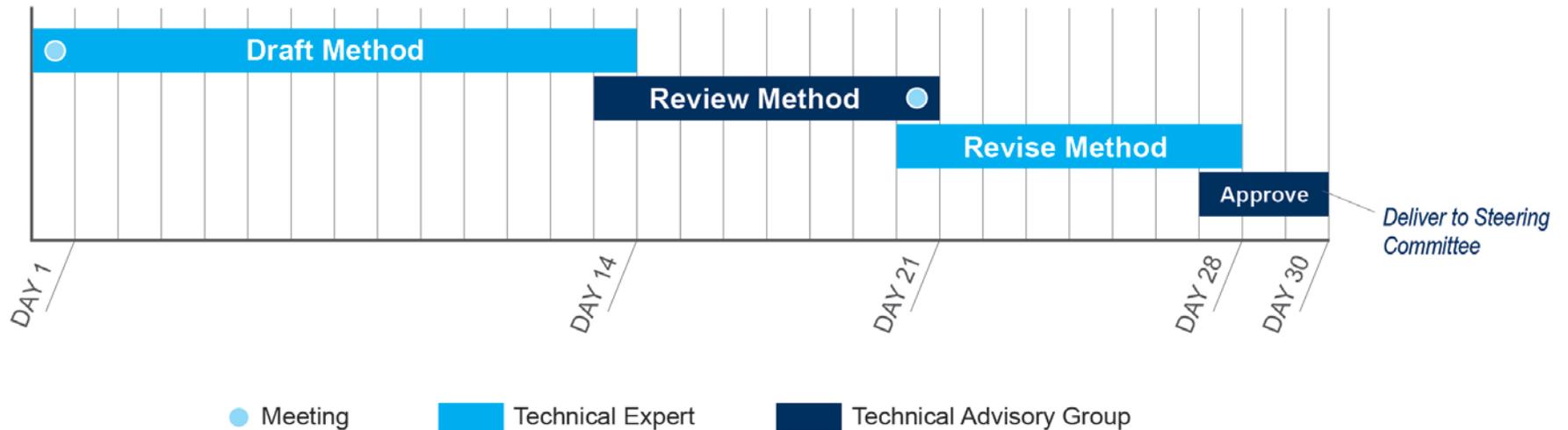
Definition of Savings



Uniform Method Process



Timeline for Development



Outline for Document

- Introduction and Purpose
- Acknowledgements
- Glossary
- Uniform Methods for each measure by:
 - End use
 - Technology
 - Fuel
 - Sector
- Evaluation Issues (Cross-cutting)
 - Levels of measurement (type of data)
 - Sample design
 - Reliability (confidence level)
 - Accuracy (precision)
 - Net-to-gross (market effects, research design, methods, data)
 - Metering
 - Etc...

Template for Uniform Methods

- Measure description
- Measure applications
- Calculations/algorithms
- Critical variables
- Measurement and Verification plan
 - IPMVP option
 - Measurement and verification method
 - Data requirements
 - Data collection method
 - Sample design (reference cross-cutting chapter)
- Evaluation issues (reference cross-cutting chapter)

Measure Selection

- Develop methods for six (6) measures in Phase I
- Preliminary list of twelve (12) options based on two primary criteria:
 1. Prevalence/impact
 2. Diversity:
 - Methodology
 - Fuel
 - Sector

Top 12 Options

1. Residential lighting
2. Commercial lighting
3. High-efficiency furnace
4. Refrigerator recycling
5. Refrigeration ECM
6. ENERGY STAR™ clothes washers
7. Low-flow showerhead
8. Furnace ECM
9. High-efficiency water heater
10. Lighting controls
11. Air-source heat pump/central AC
12. Comprehensive whole-house retrofit

Steering Committee Expectations

Support the adoption of the methods

Next Steps

- Follow-up Call
 - October 12, 2011
 - 1:00 – 1:30 pm Eastern
 - Invites coming shortly
- Method Review Call
 - November 30, 2011
 - 1:00 – 2:00 pm Eastern
 - Invites coming shortly
- In-person Meeting
 - Thursday January 12, 2012
 - Location?

Project Team

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