

Updates to the 2020 Energy Efficiency Forecast Model Methodology



Energy Efficiency Forecast Working Group

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LOAD FORECASTING, SYSTEM PLANNING



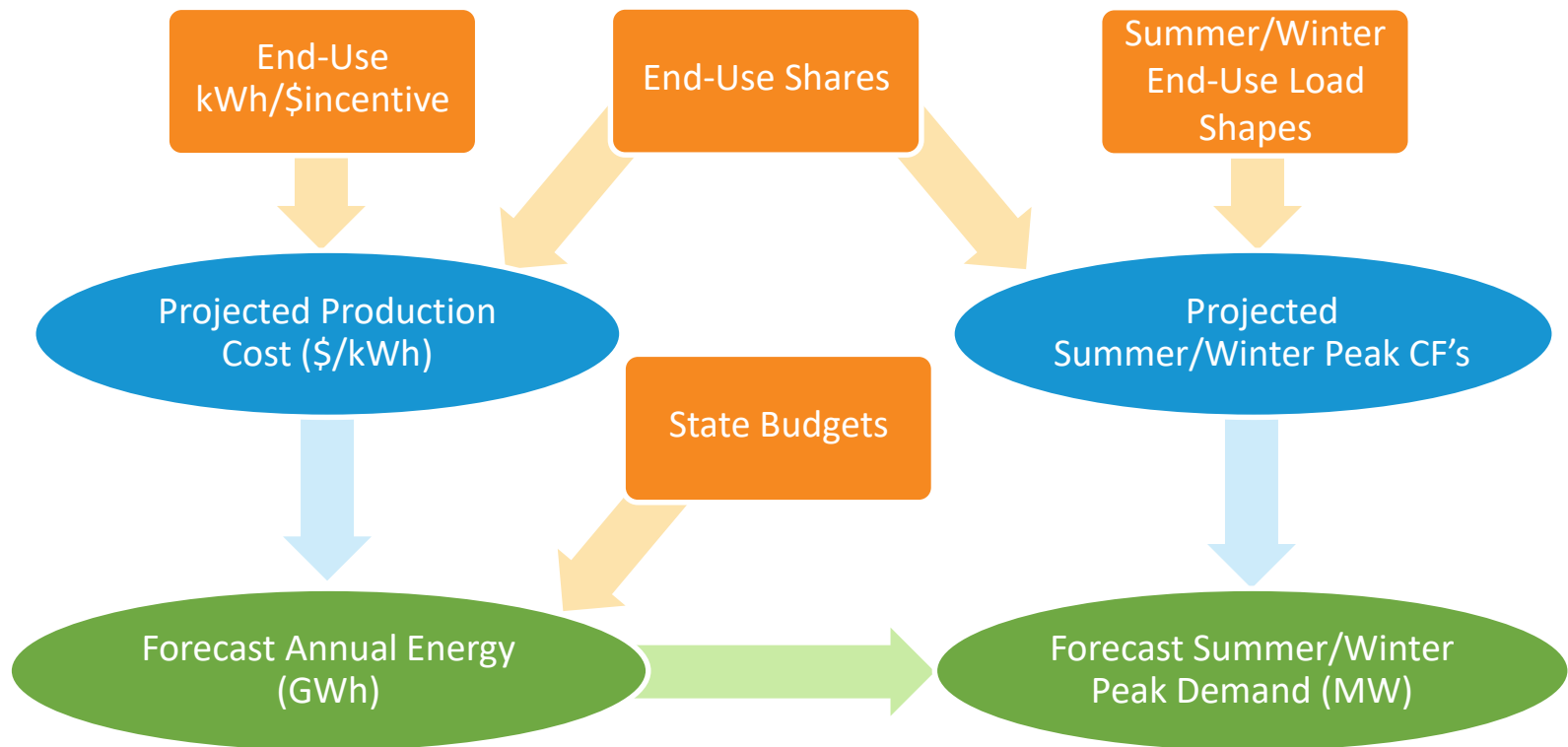
Introduction

- At the September 13th EEFWG meeting the ISO discussed proposed updates to the EE forecast model methodology
 - Savings will be modeled separately for two sectors
 - Residential & Low Income (R&L)
 - Commercial & Industrial (C&I)
 - Future sector program activity will be assumed to target end-uses in proportions that evolve over time (based on EIA and state plan data)
 - Sector production costs will be a function of end-use mix
 - Sector energy savings will stem from production costs applied to state budgets
 - Sector summer and winter peak savings will be derived separately based on end-use load shapes
- Updated model methodology will focus on traditional EE savings (i.e. not active demand reduction activities)

Proposed Update to EE Forecast Methodology

Process Diagram

- The process below is followed separately for each sector (R&L and C&I) using sector specific inputs in each of the orange blocks
- Summer and winter peak savings are computed separately using season-specific coincidence factors



Active Demand Reduction

- Information on how budget dollars will translate into active demand reductions is limited
- Information on the relationship between energy and peak savings for various active demand reduction activities is also limited
 - Many different technologies and program types
- For the 2020 EE forecast, the ISO proposes incorporating active demand projections (energy and peak) available in current state plans



ISO Request for Information

- On October 2nd, the ISO sent out a request for information to representatives from program administrators and the states
 - If you did not receive a copy of this request, but feel you should have, please send us a note at eeforecast@iso-ne.com
- Data was requested on three topics
 - Projected shares of planned savings (energy and peak) by sector, measure, and end-use through 2029
 - Projected budgets and savings (energy and peak) for active demand reduction measures
 - Information on assumptions for reporting HVAC savings due to heat pump installations
- **Responses are requested by November 15, 2019**

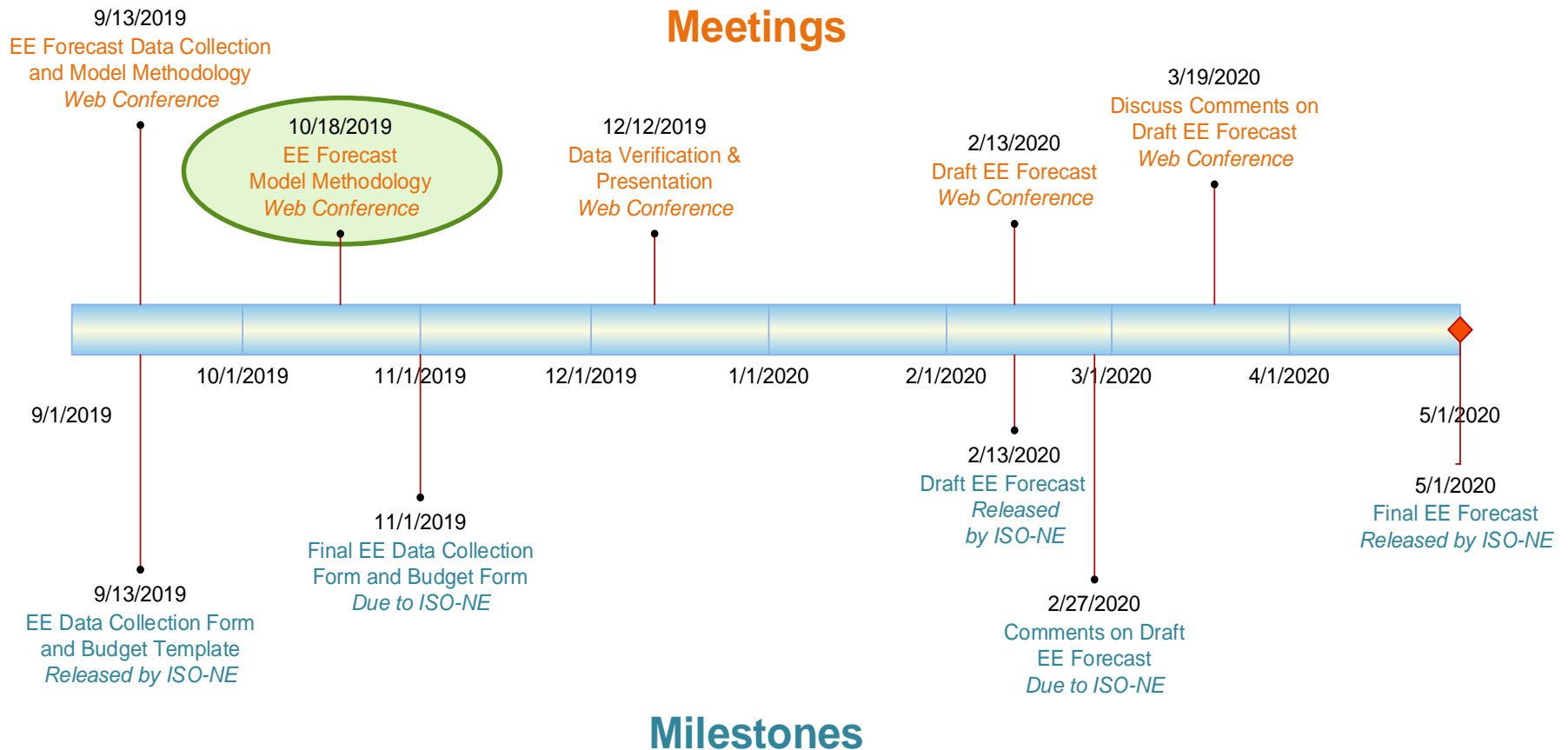


Next Steps

- The ISO will work with the states and/or program administrators to develop appropriate end-use projections
- The ISO will analyze provided data to refine coincidence factors
- The ISO plans to implement the updated EE forecast methodology to the development of the 2020 EE forecast



2020 Energy Efficiency Forecast Schedule



Effective: 08-30-2019
(Schedule subject to change)