



# Final Draft 2021 Energy Efficiency Forecast

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*Energy Efficiency Forecast Working Group*

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LOAD FORECASTING



# Introduction

- Updates for the 2021 final draft EE forecast include:
  - Incorporation of FCA 15 CSOs for passive demand resources (PDRs)
  - Updated embedded expiring measures
  - Incorporation of budget from RI 2021-2023 EE plan
- All figures presented herein are still considered draft, and are subject to change
- A final 2021 EE forecast slide deck will be published by May 1, 2021



# Reconstitution Overview

- On October 30, 2020, the Federal Energy Regulatory Commission accepted Tariff changes that the ISO filed joined by NEPOOL to modify the reconstitution methodology for passive demand resources (PDR)
  - Under the new methodology, which will be used for the 2021 gross load forecast, PDR reconstitution will be based on the total CSOs acquired by PDR resources in the most recent Forward Capacity Auction (FCA)
- The impacts of this change to forecasting processes were discussed at recent working group meetings
  - Impacts to the load forecast were discussed at the [September 25, 2020 \(slides 13-18\)](#), [December 11, 2020 \(slides 3-7 and Appendix A\)](#), and [February 19, 2021](#) meetings of the Load Forecast Committee (LFC)
  - Impacts to the EE forecast were discussed at the [October 23, 2020](#), [December 7, 2020](#), and [February 12, 2021](#) meetings of the Energy Efficiency Forecast Working Group (EEFWG)



# EE Forecast Input Data

- Historical end-use kWh/\$incentive
  - source: PA provided data (2013-2019)
- Historical incentives as a % of total program costs
  - source: PA provided data (2013-2019)
- Projected end-use shares
  - Source: PA provided data
- Summer and winter end-use coincidence factors
  - Source: PA provided BCR models
- Annual inflation adjustment of 2%
  - Source: Moody's Economics
- Annual graduated escalation of costs of 1.25%
  - Source: Original graduated rate introduced during the 2017 EE forecast



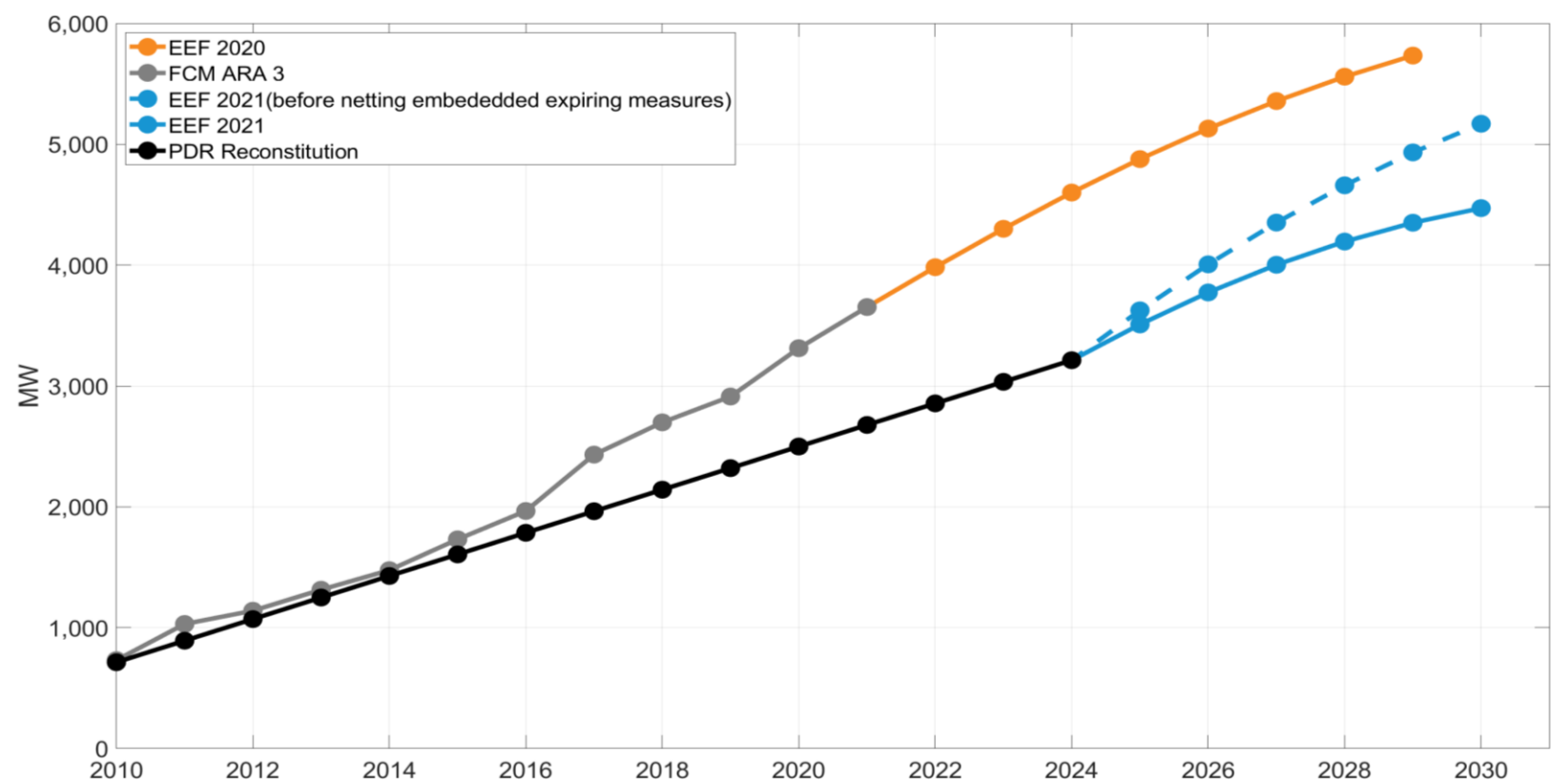
# Final Draft 2021 EE Forecast

*New England*

Year	Energy (GWh)	Summer Peak (MW)	Winter Peak (MW)
2021	15,879	2,677	2,503
2022	16,968	2,856	2,670
2023	18,057	3,034	2,837
2024	19,148	3,213	3,004
2025	20,284	3,509	3,242
2026	21,268	3,774	3,454
2027	21,957	4,003	3,636
2028	22,499	4,195	3,789
2029	22,899	4,350	3,914
2030	23,160	4,471	4,010

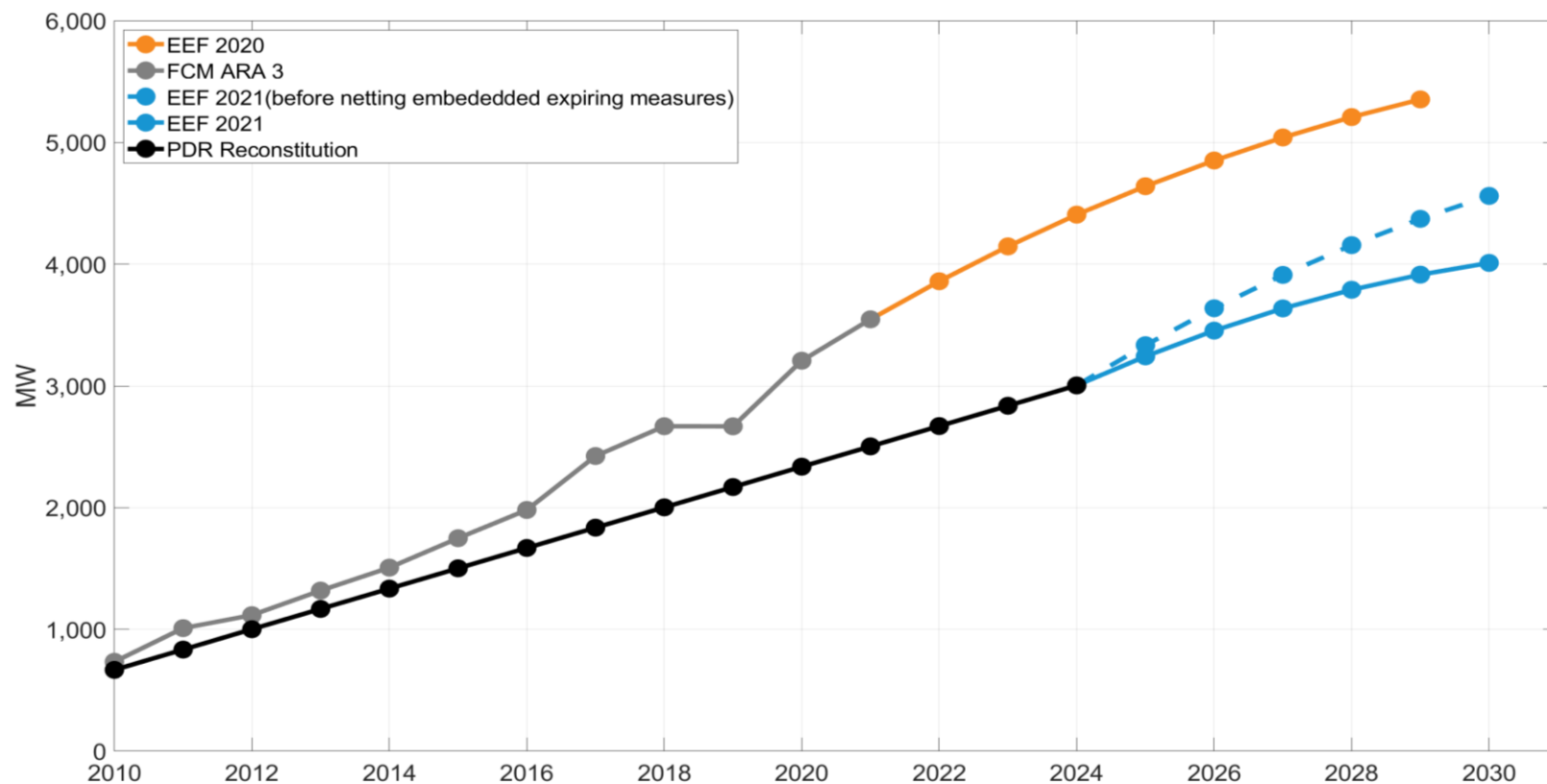
# Final Draft 2021 EE on Summer Peak

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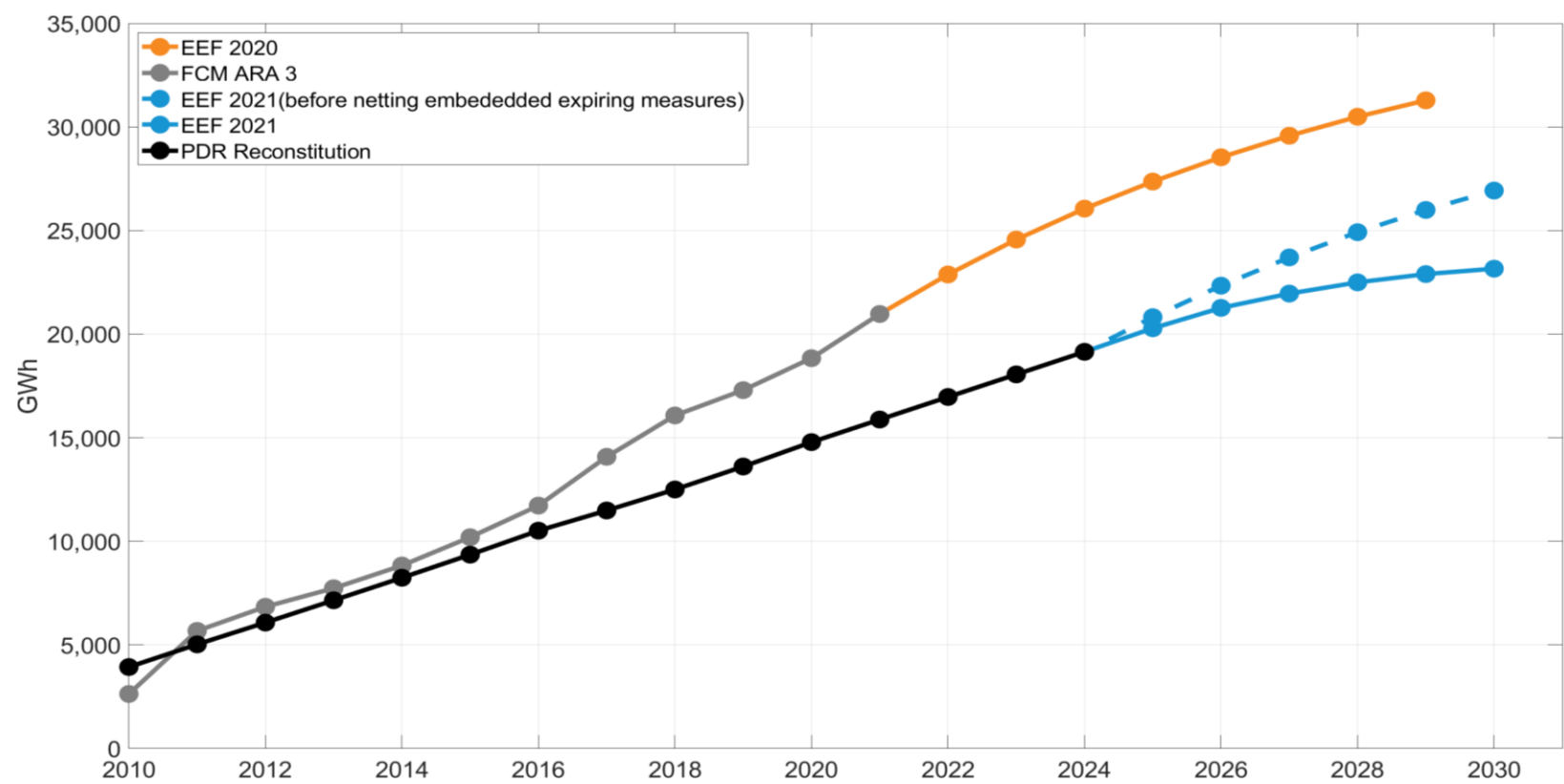
# Final Draft 2021 EE on Winter Peak

*New England*



# Final Draft 2021 EE on Annual Energy

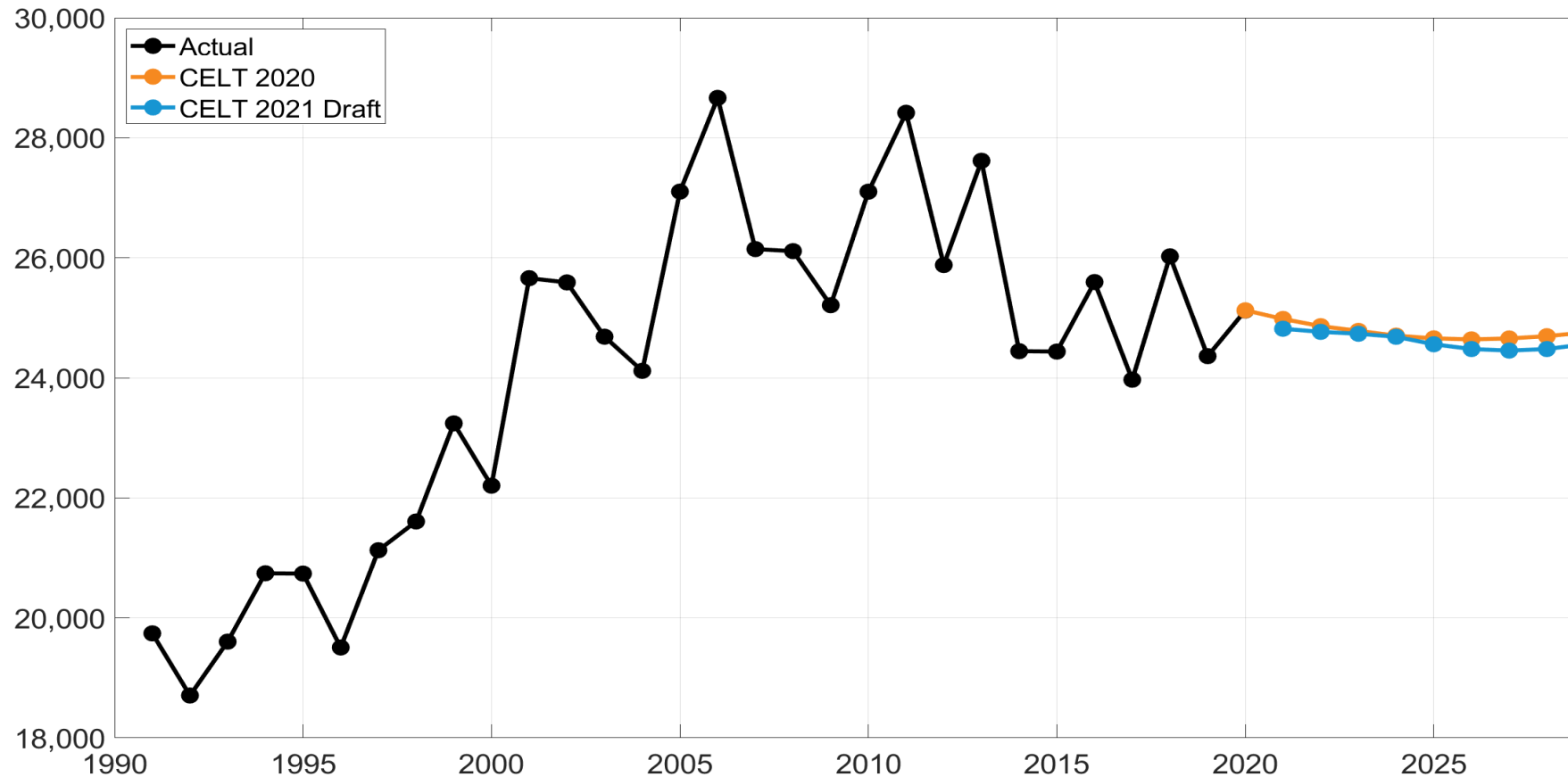
*New England*





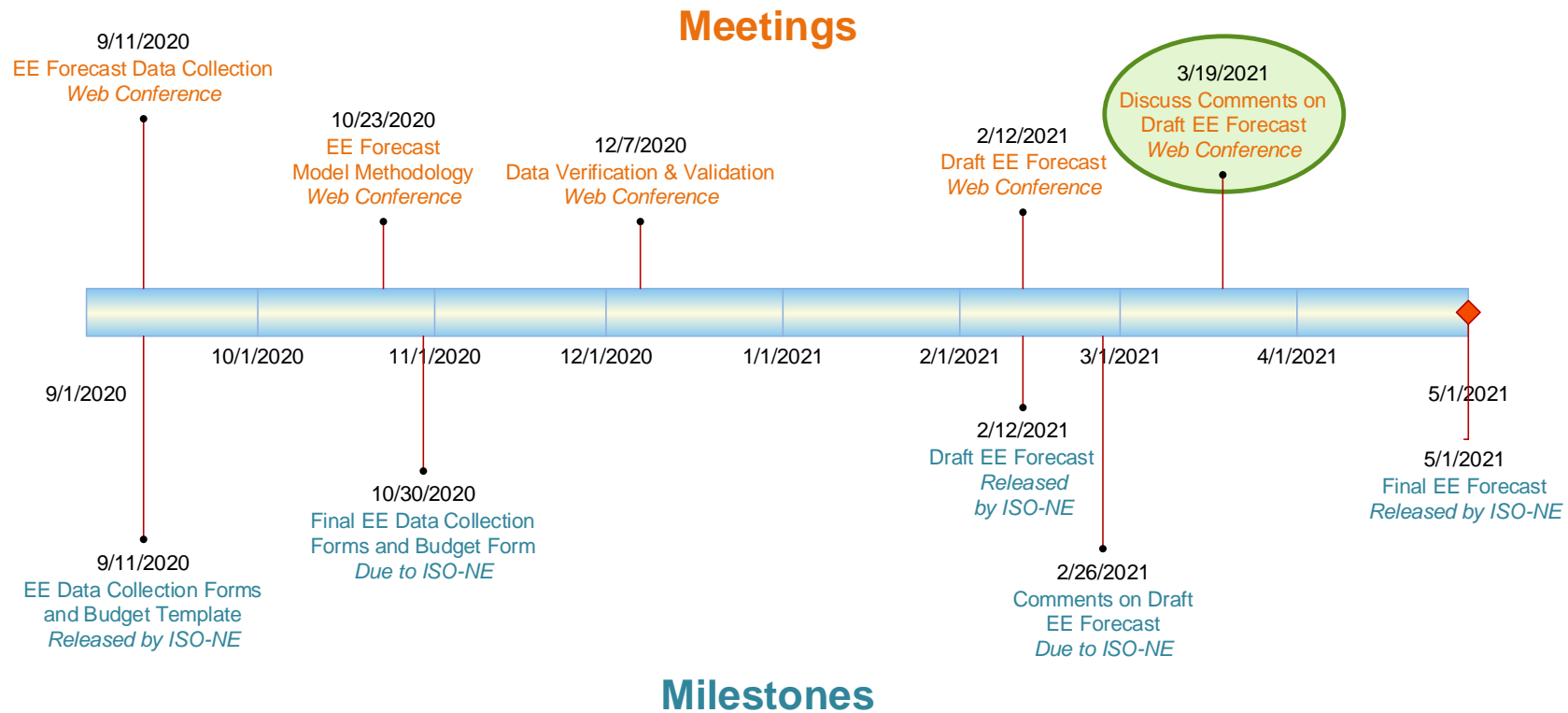
# Draft Net 50/50 Summer Peak Forecast

## *New England*



\* CELT 2021 draft figures utilize the draft 2021 EE forecast and the final 2020 PV forecast. More details can be found in the [February 19, 2021](#) LFC meeting presentation.

# 2021 Energy Efficiency Forecast Schedule



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Effective: 09-09-2020  
(Schedule subject to change)

# Questions

