

Technical Memorandum

To: Georgia Public Service Commission Staff

From: Georgia Power Company

Date: January 31, 2022

Re: Technical Reference Manual

Introduction

On December 31, 2020, in accordance with the nine-step DSM Program Planning Approach and the Final Order for Docket Nos. 40161 and 40162, Georgia Power prepared and submitted a Technical Reference Manual (“TRM”), which documented the energy efficiency measure assumptions used for the Technical, Economic, and Achievable Potential (“TEAPOT”) analysis and report. The TRM was also used as the starting point for the measure impacts included in the initial phases of the program planning process.

On July 6, 2020, via email, Staff requested that for the 2022 IRP filing, the Company file a technical memo that reports to the Commission any updates to the TRM.

The purpose of this memo and the following table is to document the updated measure assumptions that are included in the 2023-2025 DSM program plans and supporting information included in the Company’s 2022 Integrated Resource Plan filing.

TRM – Measure Savings Impacts

The 2022 IRP DSM Technical Reference Manual Update table following this memo documents updates to measure electric energy savings, peak demand savings, and lifetimes that were made between the release of the TRM on December 31, 2020, and this IRP filing on January 31, 2022. Sources and references are provided.

TRM – Measure Economic Impacts

The table also documents a few updates to incremental costs. The electric avoided cost, electric lost revenue, other utility avoided cost, and TRC ratios were updated for all measures included in the program plans. Due to the voluminous nature of these measure economic impacts, which were applied cross multiple segments and vintages, the updated values can be found in the supporting DSM program planning documentation.

