

PSEG Nuclear, LLC
ZEC 2 – Hope Creek
Docket No: ER20080559

Response to Discovery Request: HC-ZECJ-ENV-0004
Date: 10/1/2020

Question:

Project what generation assets would fulfill the State of New Jersey's capacity and energy requirements if the Unit were to shut down. Include consideration of future federal and New Jersey energy policies, including, but not limited to, offshore wind, solar, electrification, energy efficiency, and future load forecasts. Include assumptions, supporting data, and source information for this analysis.

a. If the retirement of the Unit is projected to increase in-state greenhouse gas emissions from New Jersey generators, provide a breakdown in MWh of the projected replacement generation (presented separately for each type of generation) and a breakdown in million metric tons of the projected increased emissions.

Attachments Provided Herewith: YES - CONFIDENTIAL AND NON-CONFIDENTIAL

Response:

Please refer to the attached documents that include: (a) PA Consulting Report with assumptions and analysis, including changes in tons of emissions; (b) confidential table of conventional and renewable new generation in PJM, and (c) confidential calculation spreadsheet that includes changes in MWh and fuel BTUs burned. In addition, please refer to answer to IUD-006 for a summary of the assessment of avoided emissions with a breakdown of projected replacement generation and projected increased emissions.