

PSEG Nuclear, LLC
ZEC 2 – Salem I
Docket No: ER20080557

Response to Discovery Request: SI-ZECJ-ENV-0002
Date: 10/1/2020

Question:

Provide a detailed description, including any studies and relevant data, of the greenhouse gas (“GHG”) emissions avoided by this Unit’s operation ten (10) years prior to and projected five (5) years beyond the application date. Identify the emission sources that will be displaced by continued operation of the Unit.

Attachments Provided Herewith: YES

Response:

Please see attached materials:

- ERM Report that includes the calculation of GHG emissions per the GWRA
- PA Consulting Report that includes electricity market modeling for the base case and two scenarios (single unit retirement and full retirement) – results were used in both ERM Reports
- PA Consulting spreadsheets that identify increases in emissions by plant for base case and two scenarios (single unit retirement and full retirement) (3 spreadsheets in total)
- PA Consulting spreadsheet that identifies monthly fuel burn and generation (MWh) for New Jersey and MAAC for base case and two scenarios (single unit retirement and full retirement) – results were used in ERM’s GWRA analysis