

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

Response to Discovery Request: HC-ZECJ-ENV-0001  
Date: 10/1/2020

Question:

Provide an explanation, including any studies and relevant data, related to how the Unit makes a significant and material contribution to air quality in New Jersey by minimizing harmful emissions that (a) result from electricity consumed in New Jersey or (b) adversely affect the citizens of New Jersey, and an explanation as to how a retirement would significantly and negatively impact New Jersey's ability to comply with State air emissions reduction requirements. Include air dispersion modeling results and supporting files.

Attachments Provided Herewith: YES

Response:

Please see attached materials:

- ERM Report that includes dispersion modeling for ozone
- 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) – results were used in ERM's dispersion modeling
- 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
- Six spreadsheets including new facilities as identified in PA Consulting's analysis for typical summer day and HEDD for base case and two scenarios (single unit retirement and full retirement) – results were used in ERM's dispersion modeling