

PSEG Nuclear, LLC
ZEC Application – Salem 1
Docket No:

Response to Application Request: SI-SSA-0021
Date: 12/19/2018

Question:

Supporting air dispersion modeling results and supporting files regarding the assertion that the Unit makes a significant and material contribution to the air quality in New Jersey.

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
- NJDEP's New Jersey GHG Inventory and Reference Case Projections 1990-2020 that includes state's calculations to determine emissions from electricity generation to meet in-state demand
- IHS Report that includes electricity market modeling conducted for Nuclear Matters prior to the passage of the ZEC bill
- The Brattle Group Report that includes New Jersey's nuclear power plants' considerable contribution to the State's economy and environment conducted for Nuclear Matters prior to the passage of the ZEC bill