

PSEGESPEnveRAIPEm Resource

From: Fetter, Allen
Sent: Friday, August 31, 2012 10:08 AM
To: PSEGRAIResponses@pseg.com
Cc: PSEGESPEnveRAIPEm Resource; Robillard, David L; Mallon, James; Hsia, Anthony; Silvia, Andrea; Saulsbury, James; Zimmerman, Gregory P.
Subject: PSEG Site ESPA Final RAI Env-13 (eRAI_6741)
Attachments: PSEG Site ESPA Final RAI Env-13 (eRAI_6741).pdf

Please find attached RAI Env-13 for the PSEG Site ESP Application. The Env-13 RAI is an aggregate of the rNP draft RAIs that were provided to you on July 20, 2012 as part of a complete table of draft RAIs. At your request, a clarification discussion of rNP-01, rNP-03, rNP-04 was held on August 14, 2012. rNP-01 was edited (last sentence moved to rALT-30), language from rNP-04 was incorporated into rNP-03 (rNP-04 was deleted). It was also noted during the clarification call that rNP-05 and rNP-08 would benefit from specific references to EMP 2011, and the requests were revised accordingly. No other changes are necessary; hence we are issuing this RAI as final.

The schedule we have established to the review of your application assumes technically correct and complete responses within 30 calendar days of receipt of RAIs. For any RAIs that cannot be responded to within 30 calendar days, it is expected that a date for receipt of this information will be provided to the staff within the 30-day period so that the staff can assess how this information might impact the published schedule.

Please contact me if you have any questions.

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Created By: Allen.Fetter@nrc.gov

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Options

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Request for Additional Information Env-13

Issue Date: 8/31/2012

Application Title: PSEG Site ESP Environmental Review - Docket 52-043

Operating Company: PSEG Power LLC, PSEG Nuclear LLC

Docket No. 52-043

Review Section: ESP EIS 8.0 - Need for Power

Application Section: ER

QUESTIONS

ESP EIS 8.0-1

rNP-01: Provide an expanded rationale for choosing the state of New Jersey as the relevant service area (RSA), including the benefits from reducing power imports, and demonstrate that there are no planned capacity expansions near New Jersey that would invalidate this conclusion. Expand the discussion of stability needs and other needs to strengthen the rationale for choosing New Jersey as the RSA.

Also, provide a detailed description of the following:

- (1) whether (and how) S-2381 is a factor in the need for power analysis;
- (2) whether New Jersey issues certificates of convenience and necessity for deregulated merchant power vendors. If so, describe the process; and
- (3) whether (and how) the potential decommissioning of Oyster Creek in 2019 would influence the need for power analysis.

Supporting Information: 10 CFR 51.71(d) charges the NRC staff with independently evaluating and being responsible for the reliability of information in the draft EIS. The staff needs to confirm the following information below in preparing the EIS.

The key assumption behind the need for power analysis is that baseload power produced in New Jersey is inadequate to meet baseload demands in New Jersey. Traditionally, New Jersey has imported power to offset in-state shortfalls.

ESP EIS 8.0-2

rNP-02: ER Section 8.1 suggests that the bulk of the power produced by the proposed facility would be sold into wholesale power markets serving New Jersey. Expand the appropriate ER sections to discuss the nature of the wholesale markets and to explain how the various power markets interact.

Supporting Information: Because the proposed generator would sell power into the wholesale market, it is necessary to describe the market process and why the new facility would compete favorably in these markets.

ESP EIS 8.0-3

rNP-03: Provide minor edits to ER Section 8.2.2.1 that reorganize and consolidate the discussion describing how the load forecasts used in the ER are systematic, comprehensive, subject to confirmation, and responsive to uncertainty. Expand ER Table 8.4.2 to summarize the major components of capacity and load and reference discussions in ER Sections 8.2 and 8.3 to arrive at a need for power conclusion. See, as an example, Table 8.4 in Chapter 8 of the *Environmental Impact Statement for Combined Licenses (COLs) for Comanche Peak Nuclear Power Plant Units 3 and 4* (NUREG-1943; May

2011).

Supporting Information: To meet the requirements of ESRP 8.2.2 that the need for power evaluation must "validate that load forecasts are systematic, comprehensive, subject to confirmation, and responsive to uncertainty." This validation should be consolidated and focused on specific criteria, and should address each requirement explicitly.

ESP EIS 8.0-4

rNP-05: Provide revised text for ER Chapter 8 that discusses the various load reduction programs available as an alternative to new generation or explains why they are not considered in the ER. Reference the related goals set by the 2011 New Jersey *Energy Master Plan*. The revised text should describe these activities (including energy efficiency programs and various other programs intended to shape loads, such as the auctions used for this purpose) and the manner in which estimates of reductions in loads due to these activities are captured in the forecasts. Also, the revised text should discuss the role of conservation and related activities in reducing loads and the influence of load reduction on the need for power. The revised text should draw together all relevant data; the current ER discussion addresses only current baseload capacity, forecasted baseload capacity, and forecasted baseload demand.

Supporting Information: ER Chapter 8 recognizes the importance of energy efficiency programs and various other programs intended to shape loads. ER Chapter 8 also recognizes New Jersey's *Energy Master Plan* and activities through New Jersey's Clean Energy Program. However, the most recent update to New Jersey's *Energy Master Plan* was published in 2011, after ER Chapter 8 was prepared.

ESP EIS 8.0-5

rNP-08: Provide a revised version of the ER Chapter 8 Need for Power analysis using the most current data available.

Supporting Information: The data used in the ER Chapter 8 Need for Power analysis are not current and should be updated to reflect new information.