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PUBLIC SERVICE COMMISSION

May 6, 2009

VIA E-MAIL

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RE: PSC Case No. 9179 (MAPP) - DNR Data Request No. 1 to PEPCO/BGE
Staff Data Request

Dear Gentlemen:

Attached is Staff Data Request No. 1 to Pepco Holdings, Inc, Potomac Electric Power Company, Delmarva Power and Light Company, and Baltimore Gas and Electric Company in the referenced matter. Please respond fully within ten (10) business days. Please answer each question separately in writing. For each response, please state the question being answered. As to each separate answer, identify the person who principally supplied information for the answer.

With respect to data requests which seek the production of documents, the term "document" means any writing whatsoever (including any study, report, memorandum, letter, or any information stored in a computer) in the possession or control, or available from PJM or otherwise, to PEPCO, Delmarva or BGE, and their consultants or counsel. If any document

covered by this request is withheld, please identify each such document and the reasons constituting the basis for withholding the document.

All responses to this data request should be amended when you obtain information indicating that (a) the response was incorrect when made, or (b) the response was correct when made but is no longer accurate. These data requests are deemed to be continuing in nature so as to require updated responses in light of pertinent facts or documents not now in the possession or custody of your companies.

Staff understands that some of the information to be provided in response to Data Request No. 1 may be confidential in nature. Section 2-309 of the Public Utility Companies Article of the Maryland Code requires Commission Staff to maintain the confidentiality of information that the Commission considers proprietary, commercially sensitive, or otherwise confidential. Accordingly, **please clearly mark confidential, proprietary, or commercially sensitive information.**

Please provide an electronic copy of your responses to Lloyd Spivak at lspivak@psc.state.md.us, and Chuck McLean at cmclean@psc.state.md.us, and hard copies of your responses to Mr. Craig Taborsky. Staff's Data Request has also been forwarded to all parties listed on the current Service List for Case No. 9179. I would be grateful if you could provide you responses to all parties, as well as provide Staff with any other parties' data requests and the accompanying answers.

If you have any questions regarding this request, please feel free to contact Lloyd Spivak at (410) 767-8005, or me at (410) 767-1029.

Sincerely,

/s/

Chuck McLean
Assistant Staff Counsel

Enclosure

cc: Service List

CN9179 MAPP Staff Data Request 1 for the applicants
May 6, 2009

1. With regard to the applicants' answers to the first data request of PPRP, staff has been unable to open files with extensions of .dbf, .sbn, .sbx, and .shp. Please provide a method for staff and other parties to view these files.
2. The applicant states that the project will increase the import margins into southwest MAAC by 360 MWs (Needs Determination, Vol. II, Testimony of William C. Mitchell, p. 12, lines 22-23).
 - a) What is the source of this generation external to southwest MAAC? Is it supplied from Possum Point or Salem or the Delmarva Peninsula?
 - b) How has it been determined that these areas will have sufficient surplus to supply southwest MAAC?
 - c) New Jersey is known to be a net importer of electricity. What benefits will the MAPP project provide for New Jersey? How many MWs of power can New Jersey expect to receive from the MAPP project?
 - d) Are power flows along MAPP through Possum Point expected to be from west to east or from east to West? Please explain.
 - e) What benefit will the MAPP project have for the grid west of the Potomac River?
3. The Bluewater wind project is expected to provide 234 MWs or more from offshore Delaware beginning in 2012.
 - a) Is the MAPP project needed for the deliverability of this power?
 - b) As a renewable energy resource, how much power can southwest MAAC expect to receive from this project?
4. In response to DNR data request 1-16, Mr. Gausman responds to the delivery of power from wind resources. Please describe these wind resources and their locations. How much wind power can southwest MAAC expect to receive from these resources?
5. The original plans for the MAPP project showed 230 kV extensions from Vienna to Steele and Vienna to Piney Grove. These lines would appear to benefit other counties in Maryland including Caroline, Wicomico, Somerset, and Worcester.
 - a) What is the status of these extensions?
 - b) When will they need to be put into service?
6. Has PJM considered a transmission line from southern Delmarva to Virginia with a Chesapeake Bay crossing from Cape Charles to Norfolk along the Chesapeake Bay Bridge Tunnel (Rt.13)?
 - a) Why has this route not been pursued?
 - b) Why is the Calvert Cliffs to Taylors Island the preferred route?

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7. Please explain why the proposed Chesapeake Bay crossing from Calvert Cliffs is under the Bay rather than over the Bay.
8. Other high voltage transmission line crossings of the Chesapeake Bay have been proposed such as the following. Please explain in detail the reasons that these crossings are not being pursued.
 - a) Cedar Park to Easton
 - b) Brandon Shores to Wye Mills
 - c) Bethlehem Steel to Wye Mills.
9. How do the applicants plan to cross the Delaware River into Salem, New Jersey? Will this crossing be below the river or overhead? Please explain.
10. Please explain the reference to “an LOLE of 1 event in 25 years” found in Volume II, page 1-2 of the Siemens report on Load Deliverability, Exhibit WCM-1. Staff understands that PJM designs the grid for an LOLE of one event in ten years.
11. The Delmarva Peninsula has been known to be a region for high congestion prices for electric deliveries. In fact this was a subject of case number 8890 at the Maryland Public Service Commission in 2002. It was also the subject of FERC Docket PA03-12-000. Congestion prices peaked on the Delmarva Peninsula in years 2000 and 2001. Conectiv spent \$70M for transmission improvements for the Delmarva Peninsula from the Summer 1999 to the Summer of 2002.
 - a) Have these transmission improvements successfully eliminated congestion on the Delmarva Peninsula?
 - b) Staff has not been able to find any references to Delmarva congestion in the application materials for the MAPP project. Are there any references that have been overlooked?
 - c) Is Delmarva congestion still a concern for ratepayers and service providers? Please describe the frequency and impact of Delmarva congestion events since 2002.
 - d) Will the MAPP project reduce the likelihood of future congestion on the Delmarva peninsula? Please provide market sensitivity studies that would show MAPP’s effect on Delmarva congestion.
12. Pursuant to CN 8890, there was a work group to study congestion problems on the Delmarva Peninsula. During the course of these work groups, it became clear that the Peninsula was a large radial load primarily fed from the north. The congestion problem was greatly improved following DPL’s Transmission System Improvements from the Summer of 1999 to the Summer of 2002. These improvements primarily consisted of new transformers, capacitors, and increased line capability. It was also pointed out that

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automatic tap-changing transformers are used extensively on the Delmarva Peninsula to maintain acceptable voltage levels on the lower voltage busses.

- a) To what extent were these improvements temporary fixes in lieu of new generation and/or transmission? Please explain.
 - b) Does the MAPP project improve the reliability of electrical service on the Delmarva Peninsula? Please explain.
 - c) Where is the Eastern Interface? Where is the dividing line between the northern and southern portions of the Delmarva Peninsula?
 - d) What is the expected load growth for the southern portion of the Delmarva Peninsula? Please provide data for the previous fifteen years and future data for the next fifteen years.
 - e) What is the expected load growth for the northern portion of the Delmarva Peninsula? Please provide data for the previous fifteen years and future data for the next fifteen years.
 - f) Please describe the change in the amount of generation located on the Delmarva Peninsula within the past fifteen years. Please list separately retirements and new generation put into service. Please list expected retirements and new generation for fifteen years into the future.
 - g) Is Delmarva Power a net importer or exporter of electricity? Please explain what the CETO/CETL analysis shows for the deliverability of power to Delmarva.
 - h) Please explain how demand response programs such as EmPower Maryland will affect the peak load forecasts for the Delmarva Peninsula.
 - i) With expected load growth and lack of new generation, will the MAPP project be required to maintain system reliability (1 day in ten years) on the Delmarva Peninsula? Please explain.
 - j) Will the MAPP project help to maintain voltage levels in southern Delmarva without the need for new capacitors, transformers? Please explain.
 - k) Will the MAPP project help to improve the reactive performance of the grid on the Delmarva Peninsula, thereby reducing thermal and reactive losses, and the potential for overloads or voltage collapse? Please explain. What savings will this provide to customers and service providers in Delmarva?
13. In view of new programs for demand response, can the need for the MAPP line be postponed with the addition of new reactive compensators, transformers, and improved conductors throughout the PJM system?
14. What activities are taking place within the state of Delaware to permit and construct the MAPP line?
15. What activities are taking place within the state of Virginia to permit and construct the MAPP line?

16. What activities are taking place within the state of New Jersey to permit and construct the MAPP line?