



Public Service Commission of Wisconsin

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Public Service Commission of Wisconsin
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VIA ELECTRONIC RECORDS FILING SYSTEM

Mr. Scott R. Smith, Assistant Vice President – Business and Regulatory Strategy
Madison Gas and Electric Company
P.O. Box 1231
Madison, WI 53701

Mr. Theodore Eidukas, Vice President – State Regulatory Affairs
Wisconsin Public Service Corporation
700 West Adams Street
Green Bay, WI 54307

Re: Joint Application of Madison Gas and Electric Company and Wisconsin Public Service Corporation for Approval to Acquire Ownership Interests in Solar Electric Generating Facilities 5-BS-228

Dear Messrs. Smith and Eidukas:

Public Service Commission of Wisconsin (Commission) staff has the following data request regarding Madison Gas and Electric Company's (MGE) and Wisconsin Public Service Corporation's May 31, 2018, joint application in the docket listed above:

- 6.01 Provide additional EGEAS analysis assuming the capacity factors listed below for the proposed projects and for other generic wind and utility scale solar projects. Specifically, include the following analyses:
- a) Assume an 18 percent capacity factor for the proposed project and generic utility scale solar project alternatives. In addition, assume a 40 percent capacity factor for generic Iowa wind project alternatives and 35 percent capacity factor for generic Wisconsin wind project alternatives.
 - i. In MGE's response, include additional EGEAS sensitivities examining the proposed project and generic utility scale solar alternatives receiving lower MISO capacity credit than is currently assumed. The MISO Resource Adequacy Business Process Manual can change from year to year and there are indications that the ELCC for solar PV resources would diminish as solar penetration increases. The EGEAS sensitivities submitted should study the proposed project receiving 50 percent, 40 percent, 30 percent, and 20 percent capacity credit for the MISO

Residual Capacity Auction. Each of these sensitivities should be performed for both the assumed and 18 percent capacity factor scenarios for the proposed project.

- 6.02 Explain in detail, by project, the transmission lines and associated facilities that are intended to be purchased by the applicants, including whether any transmission lines or associated facilities would continue to be owned by Invenergy or NextEra.
- 6.03 The Commission's Final Decision in *Investigation into the Classification of Transmission Facilities Pursuant to Wis. Stat. § 196.485(1)(h)*, docket 05-EI-119, Final Decision (Wis.P.S.C. July 14, 2000) found that "all high-voltage (greater than 50 kV) radial lines" should "be classified as transmission facilities." The Final Decision states that the categories will be used to classify facilities to be constructed in the future. Provide legal analysis and justification explaining why the transmission lines and associated facilities described in the application are not required to be transferred pursuant to the Final Decision in docket 05-EI-119.
- 6.04 If the transmission lines and associated facilities described in the joint application are intended to be transferred pursuant to the Final Decision in docket 05-EI-119, provide additional information and timelines regarding such transfer.

This data request is transmitted electronically and no paper copy will be sent. Please post your responses to this request to the Commission's Electronic Records Filing system. If you have any questions regarding this request, please call me at (608) 266-9658.

Sincerely,



Jeffery Kitsembel, P.E.
Docket Coordinator
Division of Energy Regulation

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