



MidAmerican Energy Company
401 Douglas Street
P.O. Box 778
Sioux City, Iowa 51102
(712) 277-7587 Telephone
(712) 252-7396 Fax
E-mail: smstewart@midamerican.com

Suzan M. Stewart
Managing Senior Attorney

July 22, 2013

Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, D.C. 20426

Via Electronic Delivery

RE:

MidAmerican Energy Company and Midwest Independent Transmission System Operator, Inc. Compliance Filing for Order No. 1000 Regarding Local Transmission Planning Docket No. ER13-89-00_

Dear Ms. Bose:

MidAmerican Energy Company (“MidAmerican”) and the Midcontinent Independent System Operator, Inc. (“MISO”),¹ hereby submit revised and original tariff sheets to conform Attachment FF-MidAmerican (MidAmerican Local Transmission Planning Process) of the MISO Tariff (“Attachment FF-MidAmerican”) to Order No. 1000 requirements to provide for the consideration of transmission needs driven by Public Policy Requirements in compliance with the Commission’s Order on Compliance Filings and Tariff Revisions issued March 22, 2013². MidAmerican requests an effective date for these revised sheets of October 11, 2012, the same as the effective date of the March 22, 2013 Order.

I. BACKGROUND

MidAmerican, an Iowa corporation, is an electric and natural gas utility serving regulated retail customers in the states of Iowa, Illinois, South Dakota, and Nebraska, and competitive retail customers in the central and eastern United States. MidAmerican is a transmission-owning member of MISO and owns an extensive transmission system within the MISO footprint. MidAmerican’s corporate headquarters is located at 666

¹ Formerly the Midwest Independent Transmission System Operator, Inc. until its name changed effective April 26, 2013. As the Administrator of the MISO Open Access Transmission, Energy and Operating Reserve Markets Tariff on file with the Commission as Midwest ISO, FERC Electric Tariff Volume No. 1 (“MISO Tariff”), MISO joins MidAmerican in this filing to amend the MISO Tariff, but takes no position on the substance of the filing.

² *MidAmerican Energy Company and Midwest Independent Transmission System Operator, Inc.*, 142 FERC ¶ 61,215, at P 117-118 (2013) (the “March 22, 2013 Order”).

Grand Avenue, Suite 500, Des Moines, Iowa 50309-2580. MidAmerican is subject to the jurisdiction of the Commission, the Iowa Utilities Board, the Illinois Commerce Commission, the South Dakota Public Utilities Commission, and certain Nebraska municipalities.

II. OVERVIEW

The MISO regional transmission planning process is described in Attachment FF to the MISO Tariff. The Commission has previously accepted for filing Attachment FF-MidAmerican which provides a local transmission planning process which functions in concert with the MISO transmission planning process³.

On July 21, 2011, the Commission issued Order No. 1000⁴, which establishes new transmission planning and cost allocation requirements for public utility transmission providers. Paragraphs 203-224 of Order No. 1000 require public utility transmission providers to amend their Open Access Transmission Tariffs to describe procedures that provide for the consideration of transmission needs driven by Public Policy Requirements in the local and regional transmission planning processes. Public utility transmission providers must consult with stakeholders in the region in developing and implementing their compliance filings. In compliance with the requirements of Order No. 1000, on October 11, 2012, in Docket No. ER13-89-000, MidAmerican submitted revisions to Attachment FF-MidAmerican. In the March 22, 2013 Order, at Paragraphs 117-118, the Commission found an additional compliance filing required for MidAmerican to meet the requirements of Order No. 1000 regarding the consideration of transmission needs driven by Public Policy Requirements in the local transmission planning process.

III. MIDAMERICAN'S JULY 22, 2013 ATTACHMENT FF-MIDAMERICAN COMPLIANCE FILING

After distribution to Stakeholders for comment, MidAmerican proposes the following Attachment FF-MidAmerican compliance language for Section IV and a new Section XII intended to address the four items listed in P 117 of the March 22, 2013 Order as follows.

1. **Requirement (1) establish procedures for identifying transmission needs driven by Public Policy Requirements in the local transmission planning process that allow stakeholders an opportunity to provide input and offer proposals regarding the transmission needs they believe are driven by Public Policy Requirements.** Proposals regarding transmission needs driven by Public Policy Requirements are proposed to be considered in MidAmerican's local transmission planning process with discussion at a stakeholder meeting. MidAmerican will consolidate all the proposals, including MidAmerican proposals, into a list that will be posted on its website for stakeholder review and comment. MidAmerican will also

³ *MidAmerican Energy Company*, Docket No. ER09-1248-000 (January 19, 2010) (unpublished letter order).

⁴ *Transmission Planning and Cost Allocation by Transmission Owning and Operating Public Utilities*, Order No. 1000, 136 FERC ¶ 61,051 (2011), *order on reh'g*, Order No. 1000-A, 139 FERC ¶ 61,132 (2012), *order on reh'g and clarification*, Order No. 1000-B, 141 FERC ¶ 61,044 (2012).

send out email notifications to stakeholders when the list of proposals is posted.

2. **Requirements (2) describe a just and reasonable and not unduly discriminatory process through which it will identify those needs driven by Public Policy Requirements for which solutions will be evaluated and (3) establish procedures to evaluate at the local level potential solutions to identified transmission needs driven by Public Policy Requirements.** MidAmerican proposes revised tariff language that provides that MidAmerican will assess proposals for those needs driven by public policy requirements and local level potential solutions by considering stakeholder feedback and selecting the public policy requirements that will be further studied in the MidAmerican Local Transmission Planning Process. This selection will be based on: (i) the effective dates, nature and magnitude of the public policy requirements in applicable laws and regulations; (ii) the immediacy or other estimated timing, and extent, of the potential impact on the identified transmission needs; (iii) the availability of the resources, and any limitations thereto, that would be required by consideration of such transmission needs driven by public policy requirements; (iv) the relative significance of other transmission issues that have been raised for consideration; and (v) other appropriate factors that can aid the prioritization of transmission issues to be considered in the MidAmerican Local Transmission Planning Process.

3. **Requirement (4) provide for the posting on its website of an explanation of the transmission needs driven by Public Policy Requirements that have been identified for evaluation for potential solutions in the local transmission planning process and why other suggested transmission needs will not be evaluated.** MidAmerican proposes revised tariff language that provides for MidAmerican to post on its website such explanations for the MidAmerican Local Transmission Planning Process.

For purposes of this filing, MidAmerican has accepted the change made in its October 11, 2012 compliance filing and modified as shown in the attached redline. In addition to these changes, MidAmerican proposes to update, at various points in Attachment FF – MidAmerican, the name for the Transmission Provider from the Midwest Independent Transmission System Operator, Inc. to the Midcontinent Independent System Operator, Inc. Further, minor alignment format changes are made to Section V. These formatting changes do not include any wording changes and are non-substantive in nature.

IV. REQUESTED EFFECTIVE DATE

MidAmerican requests the Commission accept this filing to be effective on October 11, 2012.

V. OTHER FILING REQUIREMENTS

MidAmerican has mailed a copy of this filing to the Iowa Utilities Board, the Iowa Office of Consumer Advocate, the Illinois Commerce Commission and the South Dakota Public Utilities Commission.

VI. COMMUNICATIONS

All communications regarding this filing should be directed to:

Suzan M. Stewart
Managing Senior Attorney
MidAmerican Energy Company
401 Douglas Street
P. O. Box 778
Sioux City, Iowa 51102
712-277-7587 (voice)
712-252-7396 (facsimile)
smstewart@midamerican.com

Dehn A. Stevens
Manager – Transmission Services
MidAmerican Energy Company
One RiverCenter Place
106 East Second Street
P. O. Box 4350
Davenport, Iowa 52808
563-333-8138 (voice)
dastevens@midamerican.com

Thomas C. Mielnik
Manager Electric System Planning
MidAmerican Energy Company
One RiverCenter Place
106 East Second Street
P. O. Box 4350
Davenport, Iowa 52808
563-333-8129 (voice)
tcmielnik@midamerican.com

VII. NOTICE AND SERVICE

MISO has served a copy of this filing electronically, including attachments, upon all persons listed on the Commission's service list for the above-captioned proceeding, MISO Tariff Customers, MISO Members, Member representatives of Transmission Owners and Non-Transmission Owners, MISO Advisory Committee participant, as well as all state commissions within the Region, and the Organization of MISO States. In addition, the filing has been posted at <https://www.misoenergy.org/Library/FERCFilingsOrders/Pages/FERCFilings.aspx>, on MISO's website, for other interested parties in this matter.

VIII. REQUEST FOR RELIEF

Wherefore, MidAmerican respectfully request the Commission accept this compliance filing and proposed MISO Tariff revisions, effective October 11, 2012.

Respectfully submitted,

/s/ Suzan M. Stewart
Suzan M. Stewart
Attorney for MidAmerican

ATTACHMENT FF-MidAm Version: 21.0.0 Effective: 10/11/2012**ATTACHMENT FF – MIDAMERICAN
LOCAL TRANSMISSION PLANNING PROCESS****I. Introduction**

MidAmerican Energy Company (“MidAmerican”), as a member company of the Transmission Provider, pursuant to 18 C.F. R. §37.1, *et seq.*, engages in local system planning in order to carry out its responsibilities for meeting its respective transmission needs in collaboration with the Transmission Provider subject to the requirements of applicable state law or regulatory authority. In meeting its responsibilities under the ISO Agreement, MidAmerican may, as appropriate, develop and propose plans involving modifications to any of MidAmerican’s transmission facilities which are part of the Transmission System. The following provides the planning requirements applicable to MidAmerican’s local system planning process engaged in by MidAmerican under the provisions of this Tariff, as may from time to time thereafter be modified, changed, or amended, in accordance with the rules and requirements of the FERC or as provided in this Attachment FF-MidAmerican. MidAmerican sets forth its local transmission planning processes in detail below to meet the nine planning principles set forth in FERC Order No. 890.

II. Definitions

The definitions set forth below shall apply to this Attachment FF-MidAmerican. Any other capitalized term not otherwise defined shall have the meaning set forth in the Transmission Provider’s Tariff or in FERC’s rules and regulations.

“**MidAmerican Local Transmission Planning Process**” means the process conducted by

MidAmerican for Local Transmission Planning as described in the Transmission Provider's Tariff.

“MidAmerican” means MidAmerican Energy Company.

“Registered Stakeholder” means a stakeholder which has registered its intent to participate in the MidAmerican Local Transmission Planning Process with the MidAmerican Transmission Planning Process Technical Contact or a stakeholder that MidAmerican transmission planners have registered as representatives of the stakeholders listed in Section V that follows.

III. Scope

The MidAmerican Local Transmission Planning Process described in this Attachment FF-MidAmerican covers MidAmerican's portion of the Transmission System under the Tariff. The purpose of the MidAmerican Local Transmission Planning Process is to conduct local long-term planning for transmission facilities consistent with the Transmission Provider's planning cycle with assessments to serve MidAmerican's native end-use load and the Transmission Provider's firm transmission commitments. The MidAmerican Local Transmission Planning Process does not extend to specific retail or wholesale customer service requests. The process provides comparable long-term transmission system planning for similarly-situated wholesale customers.

The process provides long-term reliability and economic planning of transmission facilities for MidAmerican's portion of the Transmission System for firm commitments (e.g., point-to-point service of five years duration or longer with rollover rights) and Network Customers under the Tariff which are served from MidAmerican's portion of the Transmission System, which includes MidAmerican's native end-use load. The process provides long-term economic

planning of facilities on MidAmerican's portion of the Transmission System for third-party generators connected to MidAmerican's portion of the Transmission System that is comparable to the long-term economic planning for MidAmerican generators connected to MidAmerican's portion of the Transmission System as detailed in Section XI.8 of the Tariff. This is done by modeling from the generation to the Transmission Provider's Network Load on the MidAmerican portion of the Transmission System.

IV. Responsibilities

MidAmerican will be responsible for the development of the transmission plans that result from the MidAmerican Local Transmission Planning Process. The MidAmerican Local Transmission Planning Process will allow timely and meaningful stakeholder input and participation in the development of these transmission plans. The MidAmerican Local Transmission Planning Process will follow regional planning procedures provided in this Attachment FF-MidAmerican. The transmission plans and studies resulting from the MidAmerican Local Transmission Planning Process which are to be included in the Transmission Provider's Transmission Expansion Plan will be submitted to the Transmission Provider in accordance with the regional planning process as established by the Transmission Provider consistent with this Attachment FF, and the Transmission Planning Business Practices of the Transmission Provider.

In addition to developing transmission plans to be provided to the Transmission Provider for regional coordinated planning, the MidAmerican Local Transmission Planning Process will develop plans to address local MidAmerican transmission issues, such as transmission facility updates that do not significantly change network system flows. MidAmerican will [select transmission issues, including but not limited to those involving transmission needs driven by](#)

public policy requirements, to be considered in the planning process for which transmission solutions will be evaluated based on the scope of planning studies to be undertaken, the development of future scenarios to be modeled and analyzed in long-term planning studies, and the development of suitable models and assumptions to support such studies.

MidAmerican will evaluate transmission needs driven by public policy requirements in accordance with Section XII. of this ~~the requirements for the local transmission planning processes of~~ Attachment FF ~~- MidAmerican to the Tariff~~. The plans will be provided in reports with executive summaries that are brief and designed to be understandable to stakeholders.

The MidAmerican Local Transmission Planning Process does not apply to System Impact Studies or Facilities Studies associated with specific Generator Interconnection Requests or Transmission Service Requests.

With the limited exception of certain transitional studies completed by MidAmerican with Transmission Provider oversight, such studies are performed by the Transmission Provider under the terms of the Tariff. In the event of a conflict between this MidAmerican Local Transmission Planning Process and the Transmission Provider's Tariff, the Transmission Provider's Tariff shall control.

V. Openness and Coordination

- 1.) MidAmerican will hold at least two face-to-face stakeholder meetings per year to discuss local transmission planning, including local transmission issues.

Additional meetings will be held as needed.

The stakeholder meetings will be open to the Transmission Provider's transmission service customers, MidAmerican's marketing and energy affiliates,

generation interconnection customers, neighboring transmission owners, neighboring transmission providers, the Transmission Provider affected state and federal authorities, regional planning groups, and any other interested entities.

- 2.) MidAmerican will hold an additional stakeholder meeting within 60 days after receipt of a written request from registered stakeholders from ten or more different organizations, companies, Eligible Customers, regulatory agencies, municipal utility associations or wind generator associations to hold such a meeting; however, MidAmerican is not required to hold more than two additional stakeholder meetings per year as a result of such registered stakeholder requests.
- 3.) MidAmerican will invite representatives from affected and interested stakeholders, including the [Midcontinent](#)~~Midwest~~ Independent ~~Transmission~~-System Operator, Inc., to stakeholder meetings.
- 4.) A meeting notice with a draft meeting agenda will be sent out by email to stakeholders and posted at least thirty days in advance of each meeting unless exception or emergency situations require less notice, such as resolution of imminent unreliable conditions or customer needs, or to meet required regulatory or statutory requirements.
- 5.) To ensure meaningful dialogue at the stakeholder meeting, available information related to the proposed draft agenda will be distributed with meeting notices. This information may include, for example, identified system constraints, significant and recurring congestion, and proposed solutions or new projects. Stakeholders may submit questions or comments, including other suggested system constraints or problems and suggested solutions thereto, in advance of, at, or up to 30 days after

the semi-annual meeting.

- 6.) MidAmerican will develop and maintain an updated email list of registered stakeholders that have attended prior meetings, as well as key participants that should be invited regardless of attendance at prior meetings, for example, affected state authorities will be included on the registered stakeholder list regardless of attendance at prior meetings. Stakeholders will be provided the opportunity to register at any of the stakeholder meetings. Stakeholders may also register by providing an email or written notification to the MidAmerican Local Transmission Planning Process Technical Contact listed in Section XIII of this Attachment FF - MidAmerican. Registered stakeholders wishing to be removed from the registered stakeholder list may do so through email or written notification to the MidAmerican Local Transmission Planning Process Technical Contact.
- 7.) MidAmerican Local Transmission Planning Process meetings may include activities such as discussion of new proposed facilities for MidAmerican's portion of the Transmission System; review of constrained facilities on MidAmerican's portion of the Transmission System; discussion of recently completed and ongoing studies of MidAmerican's Transmission System upgrades to meet MidAmerican, regional, and NERC planning criteria and/or reliability standards; discussion of completed and ongoing studies of upgrades to MidAmerican's portion of the Transmission System to meet reliability standards and economic benefit criteria; discussion of NERC, regional, and MidAmerican transmission planning criteria, criteria application, and comparability; discussion of operating guides, operating guide application, and comparability on MidAmerican's portion of the Transmission System; open forum

for discussion of proposed upgrades of MidAmerican's portion of the Transmission System from transmission service users and neighboring transmission systems; discussion of the MidAmerican Local Transmission Planning Process including process issues and other stakeholder issues related to the process or the results of the process; and comments from affected state authorities.

8.) MidAmerican will retain ultimate responsibility for the transmission studies and transmission plans developed under the MidAmerican Local Transmission Planning Process. MidAmerican will request and consider stakeholder input provided during the stakeholder process. The MidAmerican Local Transmission Planning stakeholder process will not be a voting forum.

9.) Milestones of MidAmerican's planning cycle are expected to be set so as to coordinate with the Transmission Provider's planning cycle.

Milestones to MidAmerican's planning cycle typically will include the following:

- a. —Request for model and other data from customers, as described in Section VII.1 below;
- b. —Information on significant and recurring congestion provided to customers;
- c. —Initial stakeholder meeting per Section V.1;
- d. —Submit regional model data information to the region;
- e. —Begin work on planning studies initiated as part of the MidAmerican Local Transmission Planning Process;
- f. —New regional models available;
- g. —Second stakeholder meeting per Section V.1; and

h. ~~_____~~ Complete planning studies initiated as part of the MidAmerican Local Transmission Planning Process.

- 10.) MidAmerican will provide non-disclosure agreements, password-protected access to information, and other procedures in order to maintain the confidentiality of information and to protect Critical Energy Infrastructure Information (“CEII”). The procedures for protection of and access to CEII are to be posted on the MidAmerican’s Open Access Same Time Information System (“OASIS”) page. Definitions for CEII are provided in 18 C.F.R. §388.113(c).
- 11.) Information containing confidential/CEII may include but is not limited to physical maps of electric facilities that do not just give the general location; system electric diagrams or switching diagrams and data bases that provide facility locations, ratings, and/or system connectivity; power flow cases; and evaluations of electric system performance. Confidential information supplied by stakeholders as part of the MidAmerican Local Transmission Planning Process will be treated confidentially and comparably to MidAmerican confidential information.
- 12.) A working group is established to receive information and provide comment on planning issues that are the subject of the MidAmerican Local Transmission Planning Process that arise between stakeholder meetings. MidAmerican will provide (subject to confidentiality, CEII and Standards of Conduct requirements):
 - a. the initial assumptions used in developing the annual local planning process transmission assessment and will provide an opportunity for feedback.

- b. the models used for local planning process transmission planning.
- c. information regarding the status of local planning process transmission upgrades and how such upgrades are reflected in future local planning process transmission plan development.
- d. the draft study scope for those studies conducted by the working group as part of the local planning process, which will include or provide references to the basic assumptions for the study, the model or models used in the working group study including information regarding significant changes in the model.
- e. the draft transmission report for those studies conducted by the working group as part of the local planning process, as prepared by MidAmerican or MidAmerican's designate. Stakeholders who do not participate on the working group will be given the opportunity to comment on the draft report after MidAmerican has considered the comments of the working group. The report will include an executive summary that is brief and is designed to be understandable to stakeholders.
- f. draft transmission plans that result from the MidAmerican Local Transmission Planning Process before they are distributed to stakeholders pursuant to the stakeholder meeting process described in Section V above.
- g. Ad hoc study groups will be formed by MidAmerican if a need is determined by MidAmerican Transmission or due to significant registered stakeholder interest in the details of a local problem requiring a planning study as indicated by registered stakeholders at ten or more different

organizations, companies, Eligible Customers, regulatory agencies, municipal utility associations or wind generator associations. However, no more than two ad hoc study groups are required at any given time. In addition, if no more than three registered stakeholders from the requesting organizations or companies attend an ad hoc study group meeting, MidAmerican retains the right to discontinue the activities of an ad hoc study group.

- i. An email notice of MidAmerican intent to form an ad hoc study group will be distributed to the registered stakeholders prior to MidAmerican forming an ad hoc study group.
- ii. The ad hoc study group will be formed considering the responses to the email notification and a separate mailing list will be established for that ad hoc group. Additional participants will be allowed throughout the ad hoc group study process; however, the addition of new participants shall not impede progress already completed by the ad hoc group.
- iii. In order to facilitate the efficient collection of input from stakeholders on transmission studies and plans, MidAmerican may combine multiple transmission problems and/or studies for consultation with a single ad hoc study group; or may separate problems and/or studies for consultation with multiple ad hoc study groups.
- iv. MidAmerican will determine when each ad hoc study group

process is complete which typically will follow completion of the final report. The final report will be distributed to the registered stakeholders, subject to CEII and Standards of Conduct requirements. The report will include an executive summary that is brief and is designed to be understandable to stakeholders.

- h. Working group and ad hoc study group meetings will be established by MidAmerican on an as needed basis. Working group meetings will also be established if need is expressed by 10 members of the respective working group; however, MidAmerican will not be required to hold meetings of the working group more than on a semi-annual basis. Meetings will typically be conference calls and/or web casts, but face-to-face meetings may be called if necessary. Meeting notices will be distributed via email to the respective study group mailing list. Meeting materials may be distributed via email respecting email size limitations and CEII and Standards of Conduct requirements. A password protected FTP site or internet may be used to transmit study models or large amounts of data.
- i. MidAmerican will chair and provide leadership to the working group and ad hoc groups, including facilitating the group meetings.
- j. Input from the working group and ad hoc study group members will be considered in the local planning process. Comments will generally be expected via email or during working group or ad hoc study group meetings. Comments will be solicited within the defined comment periods of the study group process.

VI. Transparency

In addition, the MidAmerican Local Transmission Planning Process will be open and transparent to facilitate comment and exchange of information (subject to CEII and Standards of Conduct requirements) as described below:

- 1.) MidAmerican will make available the basic criteria that underlie its transmission system plans by posting MidAmerican's transmission planning criteria for facilities covered by this Attachment FF-MidAmerican on MidAmerican's OASIS page on the Transmission Provider's OASIS node.
- 2.) MidAmerican will make available to Registered Stakeholders the basic criteria, assumptions, and data that underlie its transmission system plans. For this purpose, MidAmerican will make its FERC Form 715 available in a way that maintains confidentiality and complies with CEII requirements.
- 3.) MidAmerican will provide information on the location of applicable NERC/~~MISO~~~~Midwest ISO~~/Midwest Reliability Organization ("MRO") planning criteria, reliability standards, regional power flow models, or other pertinent information, as available.
- 4.) MidAmerican will provide its regional planning model submittal in accordance with Section V of this Attachment FF-MidAmerican.
- 5.) MidAmerican will set the planning study horizons and study frequencies considering NERC and or regional entity standards and the Transmission Provider's planning cycle.
- 6.) MidAmerican will simultaneously disclose transmission planning information where

appropriate in order to alleviate concerns regarding the disclosure of information with respect to the FERC Standards of Conduct.

- 7.) MidAmerican will consider customer demand response resources in the MidAmerican Local Transmission Planning Process on a comparable basis with generation resources in developing transmission plans provided that 1) such resources are capable of providing measurable transmission system support needed to correct transmission system problems assessed in the MidAmerican Local Transmission Planning Process, 2) such resources can be relied upon on a long-term basis, 3) such resources meet NERC Reliability Standards and applicable laws, rules, and regulations, and 4) the inclusion of such resources in corrective action plans are permitted by the NERC Reliability Standards.

VII. Information Exchange

Certain information exchanges associated with the stakeholder process and the local study group process are described in Sections V and VI in this Attachment FF-MidAmerican. In addition, information exchange for base regional model development will take place as follows:

- 1.) MidAmerican participates in the annual development of the regional base case power flow and stability models currently for the PSS^{TME} computer application. These regional models provide the basis for studies of transmission service requests, generator interconnection requests, local planning studies and regional planning studies. To assist in the development of accurate base case regional models and thereby develop appropriate local transmission plans for the MidAmerican system, MidAmerican will request at a minimum the following data of the Transmission

Provider's Transmission Customers connected to MidAmerican's portion of the transmission system:

- a. Existing loads and future loads for the horizon of the regional base case models for each of its load points. Information for firm loads will be separated from information for interruptible loads.
- b. A list of all existing and proposed new demand response resources including behind the meter generation or load curtailment;
- c. the MW impacts on peak load.
- d. the historical and expected future operating practice of the demand response resources such as the conditions under which the customer intends to initiate each resource, and whether each resource is available for use in providing measurable transmission system support to correct problems assessed in the MidAmerican Local Transmission System Planning Process, as well as, other information required to consider such resources as provided in Section VI.7. The Transmission Provider's Transmission Customers will be requested to provide updates of this information when substantive changes occur.
- e. A list of existing and proposed new generation resources and historical and expected future dispatch practices such as the load level at which the customer plans to start each generating unit and plant, and whether each generation resource is available for use in providing measurable transmission system support to correct problems assessed in the MidAmerican Local Transmission System Planning Process, as well as, other information required to consider such resources as provided in Section VI.7. The Transmission

Provider's Transmission Customers will be requested to provide updates of this information when substantive changes occur.

- f. Projections of quantifiable transmission service needs over the planning horizon, including applicable receipt and delivery points and the transmission service reservations anticipated to be scheduled.
 - g. Sponsors of all types of resources, including transmission, generation, and demand resources, can provide information to MidAmerican for use in developing the base-line assumptions and models used in the MidAmerican Local Transmission Planning Process.
 - h. Additional modeling data will be requested as necessary to conform to the requirements of FERC, NERC, Transmission Provider and the regional entity.
- 2.) The data submitted by the Transmission Provider's Transmission Customers will be included to the extent appropriate in the base case model.
 - 3.) The MidAmerican data request will be sent annually in coordination with the regional data request. MidAmerican will send a data request to the Transmission Provider's Transmission Customers located in MidAmerican's Load Balancing Area typically prior to expected transmittal of the regional data request.
 - 4.) Responses to the data request will be accepted in forms such as PSS^{TME} raw data format or in spreadsheet format with appropriately labeled headings.
 - 5.) Each of the Transmission Provider's Transmission Customers within the MidAmerican Local Balancing Authority Area will be responsible for providing MidAmerican with an email address of its data modeling contact. MidAmerican

will send the annual data request to these contacts via email.

- 6.) The MidAmerican data response will be made available subject to CEII and Standards of Conduct restrictions upon request to Registered Stakeholders.

VIII. Comparability

- 1.) MidAmerican will plan its portion of the Transmission System to treat similarly-situated customers comparably in the MidAmerican Local Transmission Planning Process.
- 2.) MidAmerican will consider alternative proposed solutions to identified system needs in the MidAmerican Local Transmission Planning Process. Such alternatives may include transmission, generation and demand-side resources. MidAmerican will review and evaluate such alternatives on a comparable basis in developing transmission plans, provided that:
 - a. such resources are capable of providing the measurable transmission system support needed to correct transmission system problems assessed in the MidAmerican Local Transmission Planning Process,
 - b. such resources can be relied upon on a long-term basis,
 - c. such resources meet applicable NERC Reliability Standards and applicable laws, rules, and regulations, and
 - d. the inclusion of such resources in corrective action plans are permitted by the NERC Reliability Standards.
- 3.) MidAmerican will use a combination of technical analysis and engineering judgment to determine the preferred solution when competing solutions are proposed to meet system needs. Technical analysis can include, but is not limited

to, power flow studies, dynamic stability studies and voltage stability studies, while engineering judgment can take into account such factors as the extent to which proposed alternative solutions meet applicable planning criteria and other regulatory requirements, estimated project costs and projected environmental impacts.

- 4.) MidAmerican shall select proposed project(s) for inclusion in MidAmerican's transmission plan.

IX. Dispute Resolution

Consistent with Attachment HH of this Tariff and Appendix D to the ISO Agreement, the Transmission Provider shall resolve disputes concerning MidAmerican Local Transmission Planning issues. The first step will be for designated representatives of MidAmerican and other affected parties to work together to resolve the relevant issues in a manner that is acceptable to all parties.

If the first step is unsuccessful, each affected party shall designate an officer who shall review disputes involving them that their designated representatives are unable to resolve. The applicable officers of the parties involved in such dispute shall work together to resolve the disputes so referred in a manner that meets the interests of such parties, either until such agreement is reached, or until an impasse is declared by any party to such dispute.

If such officers are unable to satisfactorily resolve the issues, the matter shall be referred to mediation, in accordance with the procedures described in Appendix D to the ISO Agreement. Parties that are not satisfied with the dispute resolution procedures may only file a complaint with the Commission during the negotiation or mediation steps. If a matter remains unresolved, the affected parties may pursue arbitration pursuant to Appendix D of the ISO Agreement.

X. Regional Participation

Consistent with Sections I and II of Attachment FF to the Tariff, MidAmerican will participate in the Transmission Provider's regional transmission planning process as a Transmission Owner member. Such participation shall include participation in the development of the Transmission Owner's Transmission Expansion Plan and participation on the Planning Advisory Committee, the Planning Subcommittee, Sub-regional Planning Meetings and focus study groups, as appropriate. Such participation shall be carried out to the extent that such activities apply to the planning of MidAmerican's portion of the Transmission System.

XI. Economic Planning Studies

As part of the MidAmerican Local Transmission Planning Process, MidAmerican will implement an Economic Planning Study Procedure. This procedure will include the following:

- 1.) Each year, during the notice period prior to the first stakeholder meeting of the year and at the first stakeholder meeting, stakeholders may request MidAmerican to perform Economic Planning Studies to evaluate potential upgrades or other improvements to MidAmerican's portion of the Transmission System that could reduce congestion or integrate new resources and loads on an aggregated basis.
- 2.) The scope of such studies will primarily include studies to resolve continuing congestion on MidAmerican transmission facilities and/or to review the integration of large levels of proposed generation facilities to MidAmerican's portion of the Transmission System without identification of generation ownership.
- 3.) Stakeholders may submit requests for MidAmerican to study potential upgrades

or other investments necessary to integrate any resource, whether transmission, generation or demand resources, identified by the stakeholder. MidAmerican will either determine which facilities on the MidAmerican Transmission System have experienced significant and recurring congestion or which facilities on the MidAmerican Transmission System are expected to experience significant and recurring congestion. Pursuant to Section V.5 above, such information shall be provided to registered stakeholders prior or with the notice of the first stakeholder meeting subject to CEII and Standards of Conduct restrictions.

- 4.) Based upon Registered Stakeholder input, MidAmerican will determine the high priority studies to be started that year based upon a ranking in order of priority from indications of Registered Stakeholder support. MidAmerican will facilitate a registered stakeholder discussion of proposed Economic Planning Studies to determine which stakeholder study requests provide the greatest value to stakeholders. Based on this discussion, MidAmerican will determine the high priority studies to be conducted that year. The studies will be ranked in order of priority based upon indications of registered stakeholder support. The method of ranking study priority will be based upon registered stakeholder input.
- 5.) MidAmerican may propose Economic Planning Studies to be conducted, but MidAmerican will be a facilitator and not a participant in ranking the priority of requested studies. Registered Stakeholders, including the MidAmerican marketing and energy affiliates, may be participants in ranking the priority of requested studies.
- 6.) MidAmerican, in consultation with its registered stakeholders, will be allowed to

cluster or batch requests for Economic Planning Studies, or if a particular request is excessively broad in scope it may be appropriate to separate the request into two or more studies so that MidAmerican can perform the studies in the most efficient manner.

- 7.) Generally, Economic Planning Studies are not to be the subject of an ongoing local or regional study, an ongoing System Impact Study or Facilities Study, or an ongoing joint study. Each Economic Planning Study is to be scoped broadly enough to represent the interests of a number of stakeholders.
- 8.) MidAmerican will study the cost of congestion only to the extent it has the information required to perform such study. If stakeholders request a particular congested area be studied, the requesting stakeholders must supply relevant data for calculations of the level of congestion costs occurring, or likely to occur in the near future. MidAmerican will make reasonable efforts to assist stakeholders in obtaining the information to the extent it is not readily available.
- 9.) Economic Planning Studies performed by MidAmerican will include sensitivity analyses as appropriate; however, MidAmerican shall conduct such sensitivity analyses only to the extent it has information to conduct such analyses. MidAmerican will make reasonable efforts in obtaining the information to the extent it is not readily available.
- 10.) Economic Planning Studies performed by MidAmerican will identify the projected benefits of proposed facility upgrades by typically comparing one or more of the following factors: Control Area generation production costs,

redispatch costs and the costs of transmission losses with and without the proposed facility upgrades.

- 11.) MidAmerican shall select the project(s), if any, proposed as a result of Economic Planning Studies performed by MidAmerican for inclusion in MidAmerican's transmission plan.

XII. Transmission Needs Due to Public Policy Requirements

As part of the MidAmerican Local Transmission Planning Process, MidAmerican will consider transmission issues driven by public policy requirements. Public policy requirements are meant to include requirements established by applicable local, state or federal laws or regulations. MidAmerican will select transmission issues involving transmission needs driven by public policy requirements to be considered in the planning process for which transmission solutions will be evaluated.

The process for selecting public policy requirements, out of the larger set of public policy requirements that stakeholders may propose, to be included in the selected transmission issue(s) for which transmission solutions will be evaluated, shall be as follows:

- Stakeholders may submit to MidAmerican proposals to consider transmission needs driven by public policy requirements as part of the transmission issues.
MidAmerican may also submit proposals to consider transmission needs driven by public policy requirements as part of the transmission issues.
- Proposals to consider transmission needs driven by public policy requirements will be discussed at a stakeholder meeting.
- MidAmerican will consolidate all such proposals, including proposals submitted by MidAmerican, into a list that will be posted on its website for stakeholder review and

- comment and will notify stakeholders of such posting by email notification.
- MidAmerican will assess such proposals, consider stakeholder feedback, and select the public policy requirements that will be further studied in the MidAmerican Local Transmission Planning Process. This selection will be based on: (i) the effective dates, nature and magnitude of the public policy requirements in applicable laws and regulations; (ii) the immediacy or other estimated timing, and extent, of the potential impact on the identified transmission needs; (iii) the availability of the resources, and any limitations thereto, that would be required by consideration of such transmission needs driven by public policy requirements; (iv) the relative significance of other transmission issues that have been raised for consideration; and (v) other appropriate factors that can aid the prioritization of transmission issues to be considered in the MidAmerican Local Transmission Planning Process.
 - MidAmerican will post on its website an explanation of which transmission needs driven by public policy requirements will be evaluated for potential solutions in the MidAmerican Local Transmission Planning Process, as well as an explanation of why other suggested potential transmission needs will not be evaluated.

XIII. Cost Allocation for New Projects

The Transmission Provider will designate and assign cost responsibility for identified Network Upgrades within MidAmerican's portion of the Transmission System according to the terms and provisions of Section III of Attachment FF to the Tariff. The cost allocation methodology set forth in Section III of Attachment FF to the Tariff shall not supersede joint-investment obligations to which MidAmerican may be subject.

XIV~~XIII.~~ Technical Contact

The technical contact for the MidAmerican Local Transmission Planning Process shall

be:

Manager - Electric System Planning
MidAmerican Energy Company
One RiverCenter Place
106 East Second Street
P. O. Box 4350
Davenport, Iowa 52808

ATTACHMENT FF-MidAm Version: 2.0.0 Effective: 10/11/2012

ATTACHMENT FF – MIDAMERICAN LOCAL TRANSMISSION PLANNING

PROCESS

I. Introduction

MidAmerican Energy Company (“MidAmerican”), as a member company of the Transmission Provider, pursuant to 18 C.F. R. §37.1, *et seq.*, engages in local system planning in order to carry out its responsibilities for meeting its respective transmission needs in collaboration with the Transmission Provider subject to the requirements of applicable state law or regulatory authority. In meeting its responsibilities under the ISO Agreement, MidAmerican may, as appropriate, develop and propose plans involving modifications to any of MidAmerican’s transmission facilities which are part of the Transmission System. The following provides the planning requirements applicable to MidAmerican’s local system planning process engaged in by MidAmerican under the provisions of this Tariff, as may from time to time thereafter be modified, changed, or amended, in accordance with the rules and requirements of the FERC or as provided in this Attachment FF-MidAmerican. MidAmerican sets forth its local transmission planning processes in detail below to meet the nine planning principles set forth in FERC Order No. 890.

II. Definitions

The definitions set forth below shall apply to this Attachment FF-MidAmerican. Any other capitalized term not otherwise defined shall have the meaning set forth in the Transmission Provider’s Tariff or in FERC’s rules and regulations.

“MidAmerican Local Transmission Planning Process” means the process conducted by

MidAmerican for Local Transmission Planning as described in the Transmission Provider's Tariff.

"MidAmerican" means MidAmerican Energy Company.

"Registered Stakeholder" means a stakeholder which has registered its intent to participate in the MidAmerican Local Transmission Planning Process with the MidAmerican Transmission Planning Process Technical Contact or a stakeholder that MidAmerican transmission planners have registered as representatives of the stakeholders listed in Section V that follows.

III. Scope

The MidAmerican Local Transmission Planning Process described in this Attachment FF-MidAmerican covers MidAmerican's portion of the Transmission System under the Tariff. The purpose of the MidAmerican Local Transmission Planning Process is to conduct local long-term planning for transmission facilities consistent with the Transmission Provider's planning cycle with assessments to serve MidAmerican's native end-use load and the Transmission Provider's firm transmission commitments. The MidAmerican Local Transmission Planning Process does not extend to specific retail or wholesale customer service requests. The process provides comparable long-term transmission system planning for similarly-situated wholesale customers.

The process provides long-term reliability and economic planning of transmission facilities for MidAmerican's portion of the Transmission System for firm commitments (e.g., point-to-point service of five years duration or longer with rollover rights) and Network Customers under the Tariff which are served from MidAmerican's portion of the Transmission System, which includes MidAmerican's native end-use load. The process provides long-term economic

planning of facilities on MidAmerican's portion of the Transmission System for third-party generators connected to MidAmerican's portion of the Transmission System that is comparable to the long-term economic planning for MidAmerican generators connected to MidAmerican's portion of the Transmission System as detailed in Section XI.8 of the Tariff. This is done by modeling from the generation to the Transmission Provider's Network Load on the MidAmerican portion of the Transmission System.

IV. Responsibilities

MidAmerican will be responsible for the development of the transmission plans that result from the MidAmerican Local Transmission Planning Process. The MidAmerican Local Transmission Planning Process will allow timely and meaningful stakeholder input and participation in the development of these transmission plans. The MidAmerican Local Transmission Planning Process will follow regional planning procedures provided in this Attachment FF-MidAmerican. The transmission plans and studies resulting from the MidAmerican Local Transmission Planning Process which are to be included in the Transmission Provider's Transmission Expansion Plan will be submitted to the Transmission Provider in accordance with the regional planning process as established by the Transmission Provider consistent with this Attachment FF, and the Transmission Planning Business Practices of the Transmission Provider.

In addition to developing transmission plans to be provided to the Transmission Provider for regional coordinated planning, the MidAmerican Local Transmission Planning Process will develop plans to address local MidAmerican transmission issues, such as transmission facility updates that do not significantly change network system flows. MidAmerican will select transmission issues, including but not limited to those involving transmission needs driven by

public policy requirements, to be considered in the planning process for which transmission solutions will be evaluated based on the scope of planning studies to be undertaken, the development of future scenarios to be modeled and analyzed in long-term planning studies, and the development of suitable models and assumptions to support such studies.

MidAmerican will evaluate transmission needs driven by public policy requirements in accordance with Section XII. of this Attachment FF - MidAmerican. The plans will be provided in reports with executive summaries that are brief and designed to be understandable to stakeholders.

The MidAmerican Local Transmission Planning Process does not apply to System Impact Studies or Facilities Studies associated with specific Generator Interconnection Requests or Transmission Service Requests.

With the limited exception of certain transitional studies completed by MidAmerican with Transmission Provider oversight, such studies are performed by the Transmission Provider under the terms of the Tariff. In the event of a conflict between this MidAmerican Local Transmission Planning Process and the Transmission Provider's Tariff, the Transmission Provider's Tariff shall control.

V. Openness and Coordination

- 1.) MidAmerican will hold at least two face-to-face stakeholder meetings per year to discuss local transmission planning, including local transmission issues.

Additional meetings will be held as needed.

The stakeholder meetings will be open to the Transmission Provider's transmission service customers, MidAmerican's marketing and energy affiliates, generation interconnection customers, neighboring transmission owners,

neighboring transmission providers, the Transmission Provider affected state and federal authorities, regional planning groups, and any other interested entities.

- 2.) MidAmerican will hold an additional stakeholder meeting within 60 days after receipt of a written request from registered stakeholders from ten or more different organizations, companies, Eligible Customers, regulatory agencies, municipal utility associations or wind generator associations to hold such a meeting; however, MidAmerican is not required to hold more than two additional stakeholder meetings per year as a result of such registered stakeholder requests.
- 3.) MidAmerican will invite representatives from affected and interested stakeholders, including the Midcontinent Independent System Operator, Inc., to stakeholder meetings.
- 4.) A meeting notice with a draft meeting agenda will be sent out by email to stakeholders and posted at least thirty days in advance of each meeting unless exception or emergency situations require less notice, such as resolution of imminent unreliable conditions or customer needs, or to meet required regulatory or statutory requirements.
- 5.) To ensure meaningful dialogue at the stakeholder meeting, available information related to the proposed draft agenda will be distributed with meeting notices. This information may include, for example, identified system constraints, significant and recurring congestion, and proposed solutions or new projects. Stakeholders may submit questions or comments, including other suggested system constraints or problems and suggested solutions thereto, in advance of, at, or up to 30 days after the semi-annual meeting.

- 6.) MidAmerican will develop and maintain an updated email list of registered stakeholders that have attended prior meetings, as well as key participants that should be invited regardless of attendance at prior meetings, for example, affected state authorities will be included on the registered stakeholder list regardless of attendance at prior meetings. Stakeholders will be provided the opportunity to register at any of the stakeholder meetings. Stakeholders may also register by providing an email or written notification to the MidAmerican Local Transmission Planning Process Technical Contact listed in Section XIII of this Attachment FF - MidAmerican. Registered stakeholders wishing to be removed from the registered stakeholder list may do so through email or written notification to the MidAmerican Local Transmission Planning Process Technical Contact.

- 7.) MidAmerican Local Transmission Planning Process meetings may include activities such as discussion of new proposed facilities for MidAmerican's portion of the Transmission System; review of constrained facilities on MidAmerican's portion of the Transmission System; discussion of recently completed and ongoing studies of MidAmerican's Transmission System upgrades to meet MidAmerican, regional, and NERC planning criteria and/or reliability standards; discussion of completed and ongoing studies of upgrades to MidAmerican's portion of the Transmission System to meet reliability standards and economic benefit criteria; discussion of NERC, regional, and MidAmerican transmission planning criteria, criteria application, and comparability; discussion of operating guides, operating guide application, and comparability on MidAmerican's portion of the Transmission System; open forum for discussion of proposed upgrades of MidAmerican's portion of the Transmission

System from transmission service users and neighboring transmission systems; discussion of the MidAmerican Local Transmission Planning Process including process issues and other stakeholder issues related to the process or the results of the process; and comments from affected state authorities.

8.) MidAmerican will retain ultimate responsibility for the transmission studies and transmission plans developed under the MidAmerican Local Transmission Planning Process. MidAmerican will request and consider stakeholder input provided during the stakeholder process. The MidAmerican Local Transmission Planning stakeholder process will not be a voting forum.

9.) Milestones of MidAmerican's planning cycle are expected to be set so as to coordinate with the Transmission Provider's planning cycle.

Milestones to MidAmerican's planning cycle typically will include the following:

- a. Request for model and other data from customers, as described in Section VII.1 below;
- b. Information on significant and recurring congestion provided to customers;
- c. Initial stakeholder meeting per Section V.1;
- d. Submit regional model data information to the region;
- e. Begin work on planning studies initiated as part of the MidAmerican Local Transmission Planning Process;
- f. New regional models available;
- g. Second stakeholder meeting per Section V.1; and
- h. Complete planning studies initiated as part of the MidAmerican Local

Transmission Planning Process.

- 10.) MidAmerican will provide non-disclosure agreements, password-protected access to information, and other procedures in order to maintain the confidentiality of information and to protect Critical Energy Infrastructure Information (“CEII”). The procedures for protection of and access to CEII are to be posted on the MidAmerican’s Open Access Same Time Information System (“OASIS”) page. Definitions for CEII are provided in 18 C.F.R. §388.113(c).
- 11.) Information containing confidential/CEII may include but is not limited to physical maps of electric facilities that do not just give the general location; system electric diagrams or switching diagrams and data bases that provide facility locations, ratings, and/or system connectivity; power flow cases; and evaluations of electric system performance. Confidential information supplied by stakeholders as part of the MidAmerican Local Transmission Planning Process will be treated confidentially and comparably to MidAmerican confidential information.
- 12.) A working group is established to receive information and provide comment on planning issues that are the subject of the MidAmerican Local Transmission Planning Process that arise between stakeholder meetings. MidAmerican will provide (subject to confidentiality, CEII and Standards of Conduct requirements):
 - a. the initial assumptions used in developing the annual local planning process transmission assessment and will provide an opportunity for feedback.
 - b. the models used for local planning process transmission planning.

- c. information regarding the status of local planning process transmission upgrades and how such upgrades are reflected in future local planning process transmission plan development.
- d. the draft study scope for those studies conducted by the working group as part of the local planning process, which will include or provide references to the basic assumptions for the study, the model or models used in the working group study including information regarding significant changes in the model.
- e. the draft transmission report for those studies conducted by the working group as part of the local planning process, as prepared by MidAmerican or MidAmerican's designate. Stakeholders who do not participate on the working group will be given the opportunity to comment on the draft report after MidAmerican has considered the comments of the working group. The report will include an executive summary that is brief and is designed to be understandable to stakeholders.
- f. draft transmission plans that result from the MidAmerican Local Transmission Planning Process before they are distributed to stakeholders pursuant to the stakeholder meeting process described in Section V above.
- g. Ad hoc study groups will be formed by MidAmerican if a need is determined by MidAmerican Transmission or due to significant registered stakeholder interest in the details of a local problem requiring a planning study as indicated by registered stakeholders at ten or more different organizations, companies, Eligible Customers, regulatory agencies,

municipal utility associations or wind generator associations. However, no more than two ad hoc study groups are required at any given time. In addition, if no more than three registered stakeholders from the requesting organizations or companies attend an ad hoc study group meeting, MidAmerican retains the right to discontinue the activities of an ad hoc study group.

- i. An email notice of MidAmerican intent to form an ad hoc study group will be distributed to the registered stakeholders prior to MidAmerican forming an ad hoc study group.
- ii. The ad hoc study group will be formed considering the responses to the email notification and a separate mailing list will be established for that ad hoc group. Additional participants will be allowed throughout the ad hoc group study process; however, the addition of new participants shall not impede progress already completed by the ad hoc group.
- iii. In order to facilitate the efficient collection of input from stakeholders on transmission studies and plans, MidAmerican may combine multiple transmission problems and/or studies for consultation with a single ad hoc study group; or may separate problems and/or studies for consultation with multiple ad hoc study groups.
- iv. MidAmerican will determine when each ad hoc study group process is complete which typically will follow completion of the

final report. The final report will be distributed to the registered stakeholders, subject to CEII and Standards of Conduct requirements. The report will include an executive summary that is brief and is designed to be understandable to stakeholders.

- h. Working group and ad hoc study group meetings will be established by MidAmerican on an as needed basis. Working group meetings will also be established if need is expressed by 10 members of the respective working group; however, MidAmerican will not be required to hold meetings of the working group more than on a semi-annual basis. Meetings will typically be conference calls and/or web casts, but face-to-face meetings may be called if necessary. Meeting notices will be distributed via email to the respective study group mailing list. Meeting materials may be distributed via email respecting email size limitations and CEII and Standards of Conduct requirements. A password protected FTP site or internet may be used to transmit study models or large amounts of data.
- i. MidAmerican will chair and provide leadership to the working group and ad hoc groups, including facilitating the group meetings.
- j. Input from the working group and ad hoc study group members will be considered in the local planning process. Comments will generally be expected via email or during working group or ad hoc study group meetings. Comments will be solicited within the defined comment periods of the study group process.

VI. Transparency

In addition, the MidAmerican Local Transmission Planning Process will be open and transparent to facilitate comment and exchange of information (subject to CEII and Standards of Conduct requirements) as described below:

- 1.) MidAmerican will make available the basic criteria that underlie its transmission system plans by posting MidAmerican's transmission planning criteria for facilities covered by this Attachment FF-MidAmerican on MidAmerican's OASIS page on the Transmission Provider's OASIS node.
- 2.) MidAmerican will make available to Registered Stakeholders the basic criteria, assumptions, and data that underlie its transmission system plans. For this purpose, MidAmerican will make its FERC Form 715 available in a way that maintains confidentiality and complies with CEII requirements.
- 3.) MidAmerican will provide information on the location of applicable NERC/MISO/Midwest Reliability Organization ("MRO") planning criteria, reliability standards, regional power flow models, or other pertinent information, as available.
- 4.) MidAmerican will provide its regional planning model submittal in accordance with Section V of this Attachment FF-MidAmerican.
- 5.) MidAmerican will set the planning study horizons and study frequencies considering NERC and or regional entity standards and the Transmission Provider's planning cycle.
- 6.) MidAmerican will simultaneously disclose transmission planning information where appropriate in order to alleviate concerns regarding the disclosure of information

with respect to the FERC Standards of Conduct.

- 7.) MidAmerican will consider customer demand response resources in the MidAmerican Local Transmission Planning Process on a comparable basis with generation resources in developing transmission plans provided that 1) such resources are capable of providing measurable transmission system support needed to correct transmission system problems assessed in the MidAmerican Local Transmission Planning Process, 2) such resources can be relied upon on a long-term basis, 3) such resources meet NERC Reliability Standards and applicable laws, rules, and regulations, and 4) the inclusion of such resources in corrective action plans are permitted by the NERC Reliability Standards.

VII. Information Exchange

Certain information exchanges associated with the stakeholder process and the local study group process are described in Sections V and VI in this Attachment FF-MidAmerican. In addition, information exchange for base regional model development will take place as follows:

- 1.) MidAmerican participates in the annual development of the regional base case power flow and stability models currently for the PSS^{TME} computer application. These regional models provide the basis for studies of transmission service requests, generator interconnection requests, local planning studies and regional planning studies. To assist in the development of accurate base case regional models and thereby develop appropriate local transmission plans for the MidAmerican system, MidAmerican will request at a minimum the following data of the Transmission Provider's Transmission Customers connected to MidAmerican's portion of the

transmission system:

- a. Existing loads and future loads for the horizon of the regional base case models for each of its load points. Information for firm loads will be separated from information for interruptible loads.
- b. A list of all existing and proposed new demand response resources including behind the meter generation or load curtailment;
- c. the MW impacts on peak load.
- d. the historical and expected future operating practice of the demand response resources such as the conditions under which the customer intends to initiate each resource, and whether each resource is available for use in providing measurable transmission system support to correct problems assessed in the MidAmerican Local Transmission System Planning Process, as well as, other information required to consider such resources as provided in Section VI.7. The Transmission Provider's Transmission Customers will be requested to provide updates of this information when substantive changes occur.
- e. A list of existing and proposed new generation resources and historical and expected future dispatch practices such as the load level at which the customer plans to start each generating unit and plant, and whether each generation resource is available for use in providing measurable transmission system support to correct problems assessed in the MidAmerican Local Transmission System Planning Process, as well as, other information required to consider such resources as provided in Section VI.7. The Transmission Provider's Transmission Customers will be requested to provide updates of

this information when substantive changes occur.

- f. Projections of quantifiable transmission service needs over the planning horizon, including applicable receipt and delivery points and the transmission service reservations anticipated to be scheduled.
 - g. Sponsors of all types of resources, including transmission, generation, and demand resources, can provide information to MidAmerican for use in developing the base-line assumptions and models used in the MidAmerican Local Transmission Planning Process.
 - h. Additional modeling data will be requested as necessary to conform to the requirements of FERC, NERC, Transmission Provider and the regional entity.
- 2.) The data submitted by the Transmission Provider's Transmission Customers will be included to the extent appropriate in the base case model.
 - 3.) The MidAmerican data request will be sent annually in coordination with the regional data request. MidAmerican will send a data request to the Transmission Provider's Transmission Customers located in MidAmerican's Load Balancing Area typically prior to expected transmittal of the regional data request.
 - 4.) Responses to the data request will be accepted in forms such as PSSTME raw data format or in spreadsheet format with appropriately labeled headings.
 - 5.) Each of the Transmission Provider's Transmission Customers within the MidAmerican Local Balancing Authority Area will be responsible for providing MidAmerican with an email address of its data modeling contact. MidAmerican will send the annual data request to these contacts via email.

- 6.) The MidAmerican data response will be made available subject to CEII and Standards of Conduct restrictions upon request to Registered Stakeholders.

VIII. Comparability

- 1.) MidAmerican will plan its portion of the Transmission System to treat similarly-situated customers comparably in the MidAmerican Local Transmission Planning Process.
- 2.) MidAmerican will consider alternative proposed solutions to identified system needs in the MidAmerican Local Transmission Planning Process. Such alternatives may include transmission, generation and demand-side resources. MidAmerican will review and evaluate such alternatives on a comparable basis in developing transmission plans, provided that:
 - a. such resources are capable of providing the measurable transmission system support needed to correct transmission system problems assessed in the MidAmerican Local Transmission Planning Process,
 - b. such resources can be relied upon on a long-term basis,
 - c. such resources meet applicable NERC Reliability Standards and applicable laws, rules, and regulations, and
 - d. the inclusion of such resources in corrective action plans are permitted by the NERC Reliability Standards.
- 3.) MidAmerican will use a combination of technical analysis and engineering judgment to determine the preferred solution when competing solutions are proposed to meet system needs. Technical analysis can include, but is not limited to, power flow studies, dynamic stability studies and voltage stability studies, while

engineering judgment can take into account such factors as the extent to which proposed alternative solutions meet applicable planning criteria and other regulatory requirements, estimated project costs and projected environmental impacts.

- 4.) MidAmerican shall select proposed project(s) for inclusion in MidAmerican's transmission plan.

IX. Dispute Resolution

Consistent with Attachment HH of this Tariff and Appendix D to the ISO Agreement, the Transmission Provider shall resolve disputes concerning MidAmerican Local Transmission Planning issues. The first step will be for designated representatives of MidAmerican and other affected parties to work together to resolve the relevant issues in a manner that is acceptable to all parties.

If the first step is unsuccessful, each affected party shall designate an officer who shall review disputes involving them that their designated representatives are unable to resolve. The applicable officers of the parties involved in such dispute shall work together to resolve the disputes so referred in a manner that meets the interests of such parties, either until such agreement is reached, or until an impasse is declared by any party to such dispute.

If such officers are unable to satisfactorily resolve the issues, the matter shall be referred to mediation, in accordance with the procedures described in Appendix D to the ISO Agreement. Parties that are not satisfied with the dispute resolution procedures may only file a complaint with the Commission during the negotiation or mediation steps. If a matter remains unresolved, the affected parties may pursue arbitration pursuant to Appendix D of the ISO Agreement.

X. Regional Participation

Consistent with Sections I and II of Attachment FF to the Tariff, MidAmerican will participate in the Transmission Provider's regional transmission planning process as a Transmission Owner member. Such participation shall include participation in the development of the Transmission Owner's Transmission Expansion Plan and participation on the Planning Advisory Committee, the Planning Subcommittee, Sub-regional Planning Meetings and focus study groups, as appropriate. Such participation shall be carried out to the extent that such activities apply to the planning of MidAmerican's portion of the Transmission System.

XI. Economic Planning Studies

As part of the MidAmerican Local Transmission Planning Process, MidAmerican will implement an Economic Planning Study Procedure. This procedure will include the following:

- 1.) Each year, during the notice period prior to the first stakeholder meeting of the year and at the first stakeholder meeting, stakeholders may request MidAmerican to perform Economic Planning Studies to evaluate potential upgrades or other improvements to MidAmerican's portion of the Transmission System that could reduce congestion or integrate new resources and loads on an aggregated basis.
- 2.) The scope of such studies will primarily include studies to resolve continuing congestion on MidAmerican transmission facilities and/or to review the integration of large levels of proposed generation facilities to MidAmerican's portion of the Transmission System without identification of generation ownership.
- 3.) Stakeholders may submit requests for MidAmerican to study potential upgrades or other investments necessary to integrate any resource, whether transmission,

generation or demand resources, identified by the stakeholder. MidAmerican will either determine which facilities on the MidAmerican Transmission System have experienced significant and recurring congestion or which facilities on the MidAmerican Transmission System are expected to experience significant and recurring congestion. Pursuant to Section V.5 above, such information shall be provided to registered stakeholders prior or with the notice of the first stakeholder meeting subject to CEII and Standards of Conduct restrictions.

- 4.) Based upon Registered Stakeholder input, MidAmerican will determine the high priority studies to be started that year based upon a ranking in order of priority from indications of Registered Stakeholder support. MidAmerican will facilitate a registered stakeholder discussion of proposed Economic Planning Studies to determine which stakeholder study requests provide the greatest value to stakeholders. Based on this discussion, MidAmerican will determine the high priority studies to be conducted that year. The studies will be ranked in order of priority based upon indications of registered stakeholder support. The method of ranking study priority will be based upon registered stakeholder input.
- 5.) MidAmerican may propose Economic Planning Studies to be conducted, but MidAmerican will be a facilitator and not a participant in ranking the priority of requested studies. Registered Stakeholders, including the MidAmerican marketing and energy affiliates, may be participants in ranking the priority of requested studies.
- 6.) MidAmerican, in consultation with its registered stakeholders, will be allowed to cluster or batch requests for Economic Planning Studies, or if a particular request

is excessively broad in scope it may be appropriate to separate the request into two or more studies so that MidAmerican can perform the studies in the most efficient manner.

- 7.) Generally, Economic Planning Studies are not to be the subject of an ongoing local or regional study, an ongoing System Impact Study or Facilities Study, or an ongoing joint study. Each Economic Planning Study is to be scoped broadly enough to represent the interests of a number of stakeholders.
- 8.) MidAmerican will study the cost of congestion only to the extent it has the information required to perform such study. If stakeholders request a particular congested area be studied, the requesting stakeholders must supply relevant data for calculations of the level of congestion costs occurring, or likely to occur in the near future. MidAmerican will make reasonable efforts to assist stakeholders in obtaining the information to the extent it is not readily available.
- 9.) Economic Planning Studies performed by MidAmerican will include sensitivity analyses as appropriate; however, MidAmerican shall conduct such sensitivity analyses only to the extent it has information to conduct such analyses. MidAmerican will make reasonable efforts in obtaining the information to the extent it is not readily available.
- 10.) Economic Planning Studies performed by MidAmerican will identify the projected benefits of proposed facility upgrades by typically comparing one or more of the following factors: Control Area generation production costs, redispatch costs and the costs of transmission losses with and without the

proposed facility upgrades.

- 11.) MidAmerican shall select the project(s), if any, proposed as a result of Economic Planning Studies performed by MidAmerican for inclusion in MidAmerican's transmission plan.

XII. Transmission Needs Due to Public Policy Requirements

As part of the MidAmerican Local Transmission Planning Process, MidAmerican will consider transmission issues driven by public policy requirements. Public policy requirements are meant to include requirements established by applicable local, state or federal laws or regulations. MidAmerican will select transmission issues involving transmission needs driven by public policy requirements to be considered in the planning process for which transmission solutions will be evaluated.

The process for selecting public policy requirements, out of the larger set of public policy requirements that stakeholders may propose, to be included in the selected transmission issue(s) for which transmission solutions will be evaluated, shall be as follows:

- Stakeholders may submit to MidAmerican proposals to consider transmission needs driven by public policy requirements as part of the transmission issues.
MidAmerican may also submit proposals to consider transmission needs driven by public policy requirements as part of the transmission issues.
- Proposals to consider transmission needs driven by public policy requirements will be discussed at a stakeholder meeting.
- MidAmerican will consolidate all such proposals, including proposals submitted by MidAmerican, into a list that will be posted on its website for stakeholder review and comment and will notify stakeholders of such posting by email notification.

- MidAmerican will assess such proposals, consider stakeholder feedback, and select the public policy requirements that will be further studied in the MidAmerican Local Transmission Planning Process. This selection will be based on: (i) the effective dates, nature and magnitude of the public policy requirements in applicable laws and regulations; (ii) the immediacy or other estimated timing, and extent, of the potential impact on the identified transmission needs; (iii) the availability of the resources, and any limitations thereto, that would be required by consideration of such transmission needs driven by public policy requirements; (iv) the relative significance of other transmission issues that have been raised for consideration; and (v) other appropriate factors that can aid the prioritization of transmission issues to be considered in the MidAmerican Local Transmission Planning Process.
- MidAmerican will post on its website an explanation of which transmission needs driven by public policy requirements will be evaluated for potential solutions in the MidAmerican Local Transmission Planning Process, as well as an explanation of why other suggested potential transmission needs will not be evaluated.

XIII. Cost Allocation for New Projects

The Transmission Provider will designate and assign cost responsibility for identified Network Upgrades within MidAmerican's portion of the Transmission System according to the terms and provisions of Section III of Attachment FF to the Tariff. The cost allocation methodology set forth in Section III of Attachment FF to the Tariff shall not supersede joint-investment obligations to which MidAmerican may be subject.

XIV. Technical Contact

The technical contact for the MidAmerican Local Transmission Planning Process shall

be:

Manager - Electric System Planning
MidAmerican Energy Company
One RiverCenter Place
106 East Second Street
P. O. Box 4350
Davenport, Iowa 52808

FERC rendition of the electronically filed tariff records in Docket No. ER13-00089-002
Filing Data:
CID: C001344
Filing Title: 07-22-2013 MidAm Order 1000 Compliance
Company Filing Identifier: 871
Type of Filing Code: 80
Associated Filing Identifier: 620
Tariff Title: FERC Electric Tariff
Tariff ID: 9
Payment Confirmation:
Suspension Motion: N

Tariff Record Data:
Record Content Description, Tariff Record Title, Record Version Number, Option Code:
ATTACHMENT FF-MidAm, , 2.0.0, A
Record Narrative Name:
Tariff Record ID: 3907
Tariff Record Collation Value: 2129655808 Tariff Record Parent Identifier: 3866
Proposed Date: 2012-10-11
Priority Order: 1000
Record Change Type: CHANGE
Record Content Type: 1
Associated Filing Identifier:

ATTACHMENT FF –
MIDAMERICAN LOCAL
TRANSMISSION PLANNING PROCESS

I. Introduction

MidAmerican Energy Company (“MidAmerican”), as a member company of the Transmission Provider, pursuant to 18 C.F. R. §37.1, *et seq.*, engages in local system planning in order to carry out its responsibilities for meeting its respective transmission needs in collaboration with the Transmission Provider subject to the requirements of applicable state law or regulatory authority. In meeting its responsibilities under the ISO Agreement, MidAmerican may, as appropriate, develop and propose plans involving modifications to any of MidAmerican’s transmission facilities which are part of the Transmission System.

The following provides the planning requirements applicable to MidAmerican’s local system planning process engaged in by MidAmerican under the provisions of this

Tariff, as may from time to time thereafter be modified, changed, or amended, in accordance with the rules and requirements of the FERC or as provided in this Attachment FF-MidAmerican. MidAmerican sets forth its local transmission planning processes in detail below to meet the nine planning principles set forth in FERC Order No. 890.

II. Definitions

The definitions set forth below shall apply to this Attachment FF-MidAmerican. Any other capitalized term not otherwise defined shall have the meaning set forth in the Transmission Provider's Tariff or in FERC's rules and regulations.

“MidAmerican Local Transmission Planning Process” means the process conducted by MidAmerican for Local Transmission Planning as described in the Transmission Provider's Tariff.

“MidAmerican” means MidAmerican Energy Company.

“Registered Stakeholder” means a stakeholder which has registered its intent to participate in the MidAmerican Local Transmission Planning Process with the MidAmerican Transmission Planning Process Technical Contact or a stakeholder that MidAmerican transmission planners have registered as representatives of the stakeholders listed in Section V that follows.

III. Scope

The MidAmerican Local Transmission Planning Process described in this Attachment FF-MidAmerican covers MidAmerican's portion of the Transmission System under the Tariff. The purpose of the MidAmerican Local Transmission Planning Process is to conduct local long- term planning for transmission facilities consistent

with the Transmission Provider's planning cycle with assessments to serve MidAmerican's native end-use load and the Transmission Provider's firm transmission commitments. The MidAmerican Local Transmission Planning Process does not extend to specific retail or wholesale customer service requests. The process provides comparable long-term transmission system planning for similarly-situated wholesale customers.

The process provides long-term reliability and economic planning of transmission facilities for MidAmerican's portion of the Transmission System for firm commitments (e.g., point-to-point service of five years duration or longer with rollover rights) and Network Customers under the Tariff which are served from MidAmerican's portion of the Transmission System, which includes MidAmerican's native end-use load. The process provides long-term economic planning of facilities on MidAmerican's portion of the Transmission System for third-party generators connected to MidAmerican's portion of the Transmission System that is comparable to the long-term economic planning for MidAmerican generators connected to MidAmerican's portion of the Transmission System as detailed in Section XI.8 of the Tariff. This is done by modeling from the generation to the Transmission Provider's Network Load on the MidAmerican portion of the Transmission System.

IV. Responsibilities

MidAmerican will be responsible for the development of the transmission plans that result from the MidAmerican Local Transmission Planning Process. The MidAmerican Local Transmission Planning Process will allow timely and meaningful stakeholder input and participation in the development of these transmission plans. The

MidAmerican Local Transmission Planning Process will follow regional planning procedures provided in this Attachment FF-MidAmerican. The transmission plans and studies resulting from the MidAmerican Local Transmission Planning Process which are to be included in the Transmission Provider's Transmission Expansion Plan will be submitted to the Transmission Provider in accordance with the regional planning process as established by the Transmission Provider consistent with this Attachment FF, and the Transmission Planning Business Practices of the Transmission Provider.

In addition to developing transmission plans to be provided to the Transmission Provider for regional coordinated planning, the MidAmerican Local Transmission Planning Process will develop plans to address local MidAmerican transmission issues, such as transmission facility upgrades that do not significantly change network system flows. MidAmerican will select transmission issues, including but not limited to those involving transmission needs driven by public policy requirements, to be considered in the planning process for which transmission solutions will be evaluated based on the scope of planning studies to be undertaken, the development of future scenarios to be modeled and analyzed in long-term planning studies, and the development of suitable models and assumptions to support such studies.

MidAmerican

will evaluate transmission needs driven by public policy requirements in accordance with Section XII. of this Attachment FF - MidAmerican. The plans will be provided in reports with executive summaries that are brief and designed to be understandable

to stakeholders.

The MidAmerican Local Transmission Planning Process does not apply to System Impact Studies or Facilities Studies associated with specific Generator Interconnection Requests or Transmission Service Requests.

With the limited exception of certain transitional studies completed by MidAmerican with Transmission Provider oversight, such studies are performed by the Transmission Provider under the terms of the Tariff. In the event of a conflict between this MidAmerican Local Transmission Planning Process and the Transmission Provider's Tariff, the Transmission Provider's Tariff shall control.

V. Openness and Coordination

- 1.) MidAmerican will hold at least two face-to-face stakeholder meetings per year to discuss local transmission planning, including local transmission issues. Additional meetings will be held as needed.

The stakeholder meetings will be open to the Transmission Provider's transmission service customers, MidAmerican's marketing and energy affiliates, generation interconnection customers, neighboring transmission owners, neighboring transmission providers, the Transmission Provider affected state and federal authorities, regional planning groups, and any other interested entities.

- 2.) MidAmerican will hold an additional stakeholder meeting within 60 days after receipt of a written request from registered stakeholders from ten or more different organizations, companies, Eligible Customers, regulatory

agencies, municipal utility associations or wind generator associations to hold such a meeting; however, MidAmerican is not required to hold more than two additional stakeholder meetings

per year as a result of such registered stakeholder requests.

- 3.) MidAmerican will invite representatives from affected and interested stakeholders, including the Midcontinent Independent System Operator, Inc., to stakeholder meetings.
- 4.) A meeting notice with a draft meeting agenda will be sent out by email to stakeholders and posted at least thirty days in advance of each meeting unless exception or emergency situations require less notice, such as resolution of imminent unreliable conditions or customer needs, or to meet required regulatory or statutory requirements.
- 5.) To ensure meaningful dialogue at the stakeholder meeting, available information related to the proposed draft agenda will be distributed with meeting notices. This information may include, for example, identified system constraints, significant and recurring congestion, and proposed solutions or new projects. Stakeholders may submit questions or comments, including other suggested system constraints or problems and suggested solutions thereto, in advance of, at, or up to 30 days after the semi-annual meeting.
- 6.) MidAmerican will develop and maintain an updated email list of registered stakeholders that have attended prior meetings, as well as key participants that should be invited regardless of attendance at prior meetings, for example, affected state authorities will be included on the registered stakeholder list

regardless of attendance at prior meetings. Stakeholders will be provided the opportunity to register at any of the stakeholder meetings. Stakeholders may also register by providing an email or written notification to the MidAmerican Local Transmission Planning Process

Technical Contact listed in Section XIII of this Attachment FF - MidAmerican Registered stakeholders wishing to be removed from the registered stakeholder list may do so through email or written notification to the MidAmerican Local Transmission Planning Process Technical Contact.

- 7.) MidAmerican Local Transmission Planning Process meetings may include activities such as discussion of new proposed facilities for MidAmerican's portion of the Transmission System; review of constrained facilities on MidAmerican's portion of the Transmission System; discussion of recently completed and ongoing studies of MidAmerican's Transmission System upgrades to meet MidAmerican, regional, and NERC planning criteria and/or reliability standards; discussion of completed and ongoing studies of upgrades to MidAmerican's portion of the Transmission System to meet reliability standards and economic benefit criteria; discussion of NERC, regional, and MidAmerican transmission planning criteria, criteria application, and comparability; discussion of operating guides, operating guide application, and comparability on MidAmerican's portion of the Transmission System; open forum for discussion of proposed upgrades of MidAmerican's portion of the Transmission System from transmission service users and neighboring transmission systems; discussion of the MidAmerican Local Transmission Planning Process including process issues and other stakeholder issues related to

the process or the results of the process; and comments from affected state authorities.

8.) MidAmerican will retain ultimate responsibility for the transmission studies and transmission plans developed under the MidAmerican Local Transmission Planning Process. MidAmerican will request and consider stakeholder input provided during

the stakeholder process. The MidAmerican Local Transmission Planning stakeholder

process will not be a voting forum.

9.) Milestones of MidAmerican's planning cycle are expected to be set so as to coordinate with the Transmission Provider's planning cycle.

Milestones to MidAmerican's planning cycle typically will include the following:

- a. Request for model and other data from customers, as described in Section VII.1 below;
- b. Information on significant and recurring congestion provided to customers;
- c. Initial stakeholder meeting per Section V.1;
- d. Submit regional model data information to the region;
- e. Begin work on planning studies initiated as part of the MidAmerican Local Transmission Planning Process;
- f. New regional models available;
- g. Second stakeholder meeting per Section V.1; and
- h. Complete planning studies initiated as part of the MidAmerican Local

Transmission Planning Process.

10.) MidAmerican will provide non-disclosure agreements, password-protected access to information, and other procedures in order to maintain the confidentiality of information and to protect Critical Energy Infrastructure Information (“CEII”). The procedures for protection of and access to CEII are to be posted on the MidAmerican’s Open Access Same Time Information System (“OASIS”) page. Definitions for CEII are provided in 18 C.F.R. §388.113(c).

11.) Information containing confidential/CEII may include but is not limited to physical

maps of electric facilities that do not just give the general location; system electric

diagrams or switching diagrams and data bases that provide facility

locations, ratings, and/or system connectivity; power flow cases; and

evaluations of electric system performance. Confidential information

supplied by stakeholders as part of the MidAmerican Local Transmission

Planning Process will be treated confidentially and comparably to

MidAmerican confidential information.

12.) A working group is established to receive information and provide comment

on planning issues that are the subject of the MidAmerican Local

Transmission Planning Process that arise between stakeholder meetings.

MidAmerican will provide (subject to confidentiality, CEII and Standards of Conduct requirements):

- a. the initial assumptions used in developing the annual local planning process transmission assessment and will provide an opportunity for feedback.
- b. the models used for local planning process transmission planning.
- c. information regarding the status of local planning process transmission upgrades and how such upgrades are reflected in future local planning process transmission plan development.
- d. the draft study scope for those studies conducted by the working group as part of the local planning process, which will include or provide references to the basic assumptions for the study, the model or models used in the working group study including information regarding significant changes in the model.
- e. the draft transmission report for those studies conducted by the working group as part of the local planning process, as prepared by MidAmerican or MidAmerican's designate.

Stakeholders who do not participate on the working group will be given the opportunity to comment on the draft report after MidAmerican has considered the comments of the working group.

The report will include an executive summary that is brief and is designed to be understandable to stakeholders.
- f. draft transmission plans that result from the MidAmerican Local

Transmission Planning Process before they are distributed to stakeholders pursuant to the stakeholder meeting process described in Section V above.

- g. Ad hoc study groups will be formed by MidAmerican if a need is determined by MidAmerican Transmission or due to significant registered stakeholder interest in the details of a local problem requiring a planning study as indicated by registered stakeholders at ten or more different organizations, companies, Eligible Customers, regulatory agencies, municipal utility associations or wind generator associations. However, no more than two ad hoc study groups are required at any given time. In addition, if no more than three registered stakeholders from the requesting organizations or companies attend an ad hoc study group meeting, MidAmerican retains the right to discontinue the activities of an ad hoc study group.
 - i. An email notice of MidAmerican intent to form an ad hoc study group will be distributed to the registered stakeholders prior to MidAmerican forming an ad hoc study group.
 - ii. The ad hoc study group will be formed considering the responses to the email notification and a separate mailing list will be established for that ad hoc group. Additional participants will be allowed throughout the ad hoc group study process; however, the addition of new participants shall

not impede progress already completed by the ad hoc group.

- iii. In order to facilitate the efficient collection of input from stakeholders on transmission studies and plans, MidAmerican may combine multiple transmission problems and/or studies for consultation with a single ad hoc study group; or may separate problems and/or studies for consultation with multiple ad hoc study groups.
- iv. MidAmerican will determine when each ad hoc study group process is complete which typically will follow completion of the final report. The final report will be distributed to the registered stakeholders, subject to CEII and Standards of Conduct requirements. The report will include an executive summary that is brief and is designed to be understandable to stakeholders.
- h. Working group and ad hoc study group meetings will be established by MidAmerican on an as needed basis. Working group meetings will also be established if need is expressed by 10 members of the respective working group; however, MidAmerican will not be required to hold meetings of the working group more than on a semi-annual basis. Meetings will typically be conference calls and/or web casts, but face-to-face meetings may be called if necessary. Meeting notices will be distributed via email to the

respective study group mailing list. Meeting materials may be distributed via email respecting email size limitations and CEII and Standards of Conduct requirements. A password protected FTP site or internet may be used to transmit study models or large amounts of data.

- i. MidAmerican will chair and provide leadership to the working group and ad hoc groups, including facilitating the group meetings.
- j. Input from the working group and ad hoc study group members will be considered in the local planning process. Comments will generally be expected via email or during working group or ad hoc study group meetings. Comments will be solicited within the defined comment periods of the study group process.

VI. Transparency

In addition, the MidAmerican Local Transmission Planning Process will be open and transparent to facilitate comment and exchange of information (subject to CEII and Standards of Conduct requirements) as described below:

- 1.) MidAmerican will make available the basic criteria that underlie its transmission system plans by posting MidAmerican's transmission planning criteria for facilities covered by this Attachment FF-MidAmerican on MidAmerican's OASIS page on the Transmission Provider's OASIS node.

- 2.) MidAmerican will make available to Registered Stakeholders the basic criteria, assumptions, and data that underlie its transmission system plans. For this purpose, MidAmerican will make its FERC Form 715 available in a way that maintains confidentiality and complies with CEII requirements.
- 3.) MidAmerican will provide information on the location of applicable NERC/MISO/Midwest Reliability Organization (“MRO”) planning criteria, reliability standards, regional power flow models, or other pertinent information, as available.
- 4.) MidAmerican will provide its regional planning model submittal in accordance with

Section V of this Attachment FF-MidAmerican.
- 5.) MidAmerican will set the planning study horizons and study frequencies considering NERC and or regional entity standards and the Transmission Provider’s planning cycle.
- 6.) MidAmerican will simultaneously disclose transmission planning information where appropriate in order to alleviate concerns regarding the disclosure of information with respect to the FERC Standards of Conduct.
- 7.) MidAmerican will consider customer demand response resources in the MidAmerican Local Transmission Planning Process on a comparable basis with generation resources in developing transmission plans provided that 1) such resources are capable of providing measurable transmission system support needed to correct

transmission system problems assessed in the MidAmerican Local Transmission

Planning Process, 2) such resources can be relied upon on a long-term basis, 3) such resources meet NERC Reliability Standards and applicable laws, rules, and regulations, and 4) the inclusion of such resources in corrective action plans are permitted by the NERC Reliability Standards.

VII. Information Exchange

Certain information exchanges associated with the stakeholder process and the local study group process are described in Sections V and VI in this Attachment FF-MidAmerican. In addition, information exchange for base regional model development will take place as follows:

- 1.) MidAmerican participates in the annual development of the regional base case power flow and stability models currently for the PSS^{TME} computer application. These regional models provide the basis for studies of transmission service requests, generator interconnection requests, local planning studies and regional planning studies. To assist in the development of accurate base case regional models and thereby develop appropriate local transmission plans for the MidAmerican system, MidAmerican will request at a minimum the following data of the Transmission Provider's Transmission Customers connected to MidAmerican's portion of the transmission system:
 - a. Existing loads and future loads for the horizon of the regional base case models for each of its load points. Information for firm loads will be separated from information for interruptible loads.
 - b. A list of all existing and proposed new demand response resources

including behind the meter generation or load curtailment;

- c. the MW impacts on peak load.
- d. the historical and expected future operating practice of the demand response resources such as the conditions under which the customer intends to initiate each resource, and whether each resource is available for use in providing measurable transmission system support to correct problems assessed in the MidAmerican Local Transmission System Planning Process, as well as, other information required to consider such resources as provided in Section VI.7. The Transmission Provider's Transmission Customers will be requested to provide updates of this information when substantive changes occur.
- e. A list of existing and proposed new generation resources and historical and expected future dispatch practices such as the load level at which the customer plans to start each generating unit and plant, and whether each generation resource is available for use in providing measurable transmission system support to correct problems assessed in the MidAmerican Local Transmission System Planning Process, as well as, other information required to consider such resources as provided in Section VI.7. The Transmission Provider's Transmission Customers will be requested to provide updates of this information when substantive changes occur.
- f. Projections of quantifiable transmission service needs over the planning

horizon, including applicable receipt and delivery points and the transmission service reservations anticipated to be scheduled.

- g. Sponsors of all types of resources, including transmission, generation, and demand resources, can provide information to MidAmerican for use in developing the base-line assumptions and models used in the MidAmerican Local Transmission Planning Process.
 - h. Additional modeling data will be requested as necessary to conform to the requirements of FERC, NERC, Transmission Provider and the regional entity.
- 2.) The data submitted by the Transmission Provider's Transmission Customers will be included to the extent appropriate in the base case model.
 - 3.) The MidAmerican data request will be sent annually in coordination with the regional data request. MidAmerican will send a data request to the Transmission Provider's Transmission Customers located in MidAmerican's Load Balancing Area typically prior to expected transmittal of the regional data request.
 - 4.) Responses to the data request will be accepted in forms such as PSS^{TME} raw data format or in spreadsheet format with appropriately labeled headings.
 - 5.) Each of the Transmission Provider's Transmission Customers within the MidAmerican Local Balancing Authority Area will be responsible for providing MidAmerican with an email address of its data modeling contact. MidAmerican will send the annual data request to these contacts via email.

- 6.) The MidAmerican data response will be made available subject to CEII and Standards of Conduct restrictions upon request to Registered Stakeholders.

VIII. Comparability

- 1.) MidAmerican will plan its portion of the Transmission System to treat similarly- situated customers comparably in the MidAmerican Local Transmission Planning Process.
- 2.) MidAmerican will consider alternative proposed solutions to identified system needs in the MidAmerican Local Transmission Planning Process. Such alternatives may include transmission, generation and demand-side resources. MidAmerican will review and evaluate such alternatives on a comparable basis in developing transmission plans, provided that:
 - a. such resources are capable of providing the measurable transmission system support needed to correct transmission system problems assessed in the MidAmerican Local Transmission Planning Process,
 - b. such resources can be relied upon on a long-term basis,
 - c. such resources meet applicable NERC Reliability Standards and applicable laws, rules, and regulations, and
 - d. the inclusion of such resources in corrective action plans are permitted by the NERC Reliability Standards.
- 3.) MidAmerican will use a combination of technical analysis and engineering judgment to determine the preferred solution when competing solutions are proposed to meet system needs. Technical analysis can include, but is not

limited to, power flow studies, dynamic stability studies and voltage stability studies, while engineering judgment can take into account such factors as the extent to which proposed alternative solutions meet applicable planning criteria and other regulatory requirements, estimated project costs and projected environmental impacts.

- 4.) MidAmerican shall select proposed project(s) for inclusion in MidAmerican's transmission plan.

IX. Dispute Resolution

Consistent with Attachment HH of this Tariff and Appendix D to the ISO Agreement, the Transmission Provider shall resolve disputes concerning MidAmerican Local Transmission Planning issues. The first step will be for designated representatives of MidAmerican and other affected parties to work together to resolve the relevant issues in a manner that is acceptable to all parties.

If the first step is unsuccessful, each affected party shall designate an officer who shall review disputes involving them that their designated representatives are unable to resolve. The applicable officers of the parties involved in such dispute shall work together to resolve the disputes so referred in a manner that meets the interests of such parties, either until such agreement is reached, or until an impasse is declared by any party to such dispute.

If such officers are unable to satisfactorily resolve the issues, the matter shall be referred to mediation, in accordance with the procedures described in Appendix D to the ISO Agreement. Parties that are not satisfied with the dispute resolution procedures may only file a complaint

with the Commission during the negotiation or mediation steps. If a matter remains unresolved, the affected parties may pursue arbitration pursuant to Appendix D of the ISO Agreement.

X. Regional Participation

Consistent with Sections I and II of Attachment FF to the Tariff, MidAmerican will participate in the Transmission Provider's regional transmission planning process as a Transmission Owner member. Such participation shall include participation in the development of the Transmission Owner's Transmission Expansion Plan and participation on the Planning Advisory Committee, the Planning Subcommittee, Sub-regional Planning Meetings and focus study groups, as appropriate. Such participation shall be carried out to the extent that such activities apply to the planning of MidAmerican's portion of the Transmission System.

XI. Economic Planning Studies

As part of the MidAmerican Local Transmission Planning Process, MidAmerican will implement an Economic Planning Study Procedure. This procedure will include the following:

- 1.) Each year, during the notice period prior to the first stakeholder meeting of the year and at the first stakeholder meeting, stakeholders may request MidAmerican to perform Economic Planning Studies to evaluate potential upgrades or other improvements to MidAmerican's portion of the Transmission System that could reduce congestion or integrate new resources and loads on an aggregated basis.
- 2.) The scope of such studies will primarily include studies to

resolve continuing congestion on MidAmerican transmission facilities and/or to review the integration of large levels of proposed generation facilities to MidAmerican's portion of the Transmission System without identification of generation ownership.

- 3.) Stakeholders may submit requests for MidAmerican to study potential upgrades or other investments necessary to integrate any resource, whether transmission, generation or demand resources, identified by the stakeholder. MidAmerican will either determine which facilities on the MidAmerican Transmission System have experienced significant and recurring congestion or which facilities on the MidAmerican Transmission System are expected to experience significant and recurring congestion. Pursuant to Section V.5 above, such information shall be provided to registered stakeholders prior or with the notice of the first stakeholder meeting subject to CEII and Standards of Conduct restrictions.
- 4.) Based upon Registered Stakeholder input, MidAmerican will determine the high priority studies to be started that year based upon a ranking in order of priority from indications of Registered Stakeholder support. MidAmerican will facilitate a registered stakeholder discussion of proposed Economic Planning Studies to determine which stakeholder study requests provide the greatest

value to stakeholders. Based on this discussion, MidAmerican will determine the high priority studies to be conducted that year. The studies will be ranked in order of priority based upon indications of registered stakeholder support. The method of ranking study priority will be based upon registered stakeholder input.

- 5.) MidAmerican may propose Economic Planning Studies to be conducted, but MidAmerican will be a facilitator and not a participant in ranking the priority of requested studies. Registered Stakeholders, including the MidAmerican marketing and energy affiliates, may be participants in ranking the priority of requested studies.
- 6.) MidAmerican, in consultation with its registered stakeholders, will be allowed to cluster or batch requests for Economic Planning Studies, or if a particular request is excessively broad in scope it may be appropriate to separate the request into two or more studies so that MidAmerican can perform the studies in the most efficient manner.
- 7.) Generally, Economic Planning Studies are not to be the subject of an ongoing local or regional study, an ongoing System Impact Study or Facilities Study, or an ongoing joint study. Each Economic Planning Study is to be scoped broadly enough to represent the interests of a number of stakeholders.
- 8.) MidAmerican will study the cost of congestion only to the extent it

has the information required to perform such study. If stakeholders request a particular congested area be studied, the requesting stakeholders must supply relevant data for calculations of the level of congestion costs occurring, or likely to occur in the near future.

MidAmerican will make reasonable efforts to assist stakeholders in obtaining the information to the extent it is not readily available.

- 9.) Economic Planning Studies performed by MidAmerican will include sensitivity analyses as appropriate; however, MidAmerican shall conduct such sensitivity analyses only to the extent it has information to conduct such analyses. MidAmerican will make reasonable efforts in obtaining the information to the extent it is not readily available.
- 10.) Economic Planning Studies performed by MidAmerican will identify the projected benefits of proposed facility upgrades by typically comparing one or more of the following factors: Control Area generation production costs, redispatch costs and the costs of transmission losses with and without the proposed facility upgrades.
- 11.) MidAmerican shall select the project(s), if any, proposed as a result of Economic Planning Studies performed by MidAmerican for inclusion in MidAmerican's transmission plan.

XII. Transmission Needs Due to Public Policy Requirements

As part of the MidAmerican Local Transmission Planning Process, MidAmerican will consider transmission issues driven by public policy requirements. Public policy requirements are meant to include requirements established by applicable local, state or

federal laws or regulations. MidAmerican will select transmission issues involving transmission needs driven by public policy requirements to be considered in the planning process for which transmission solutions will be evaluated.

The process for selecting public policy requirements, out of the larger set of public policy requirements that stakeholders may propose, to be included in the selected transmission issue(s) for which transmission solutions will be evaluated, shall be as follows:

- Stakeholders may submit to MidAmerican proposals to consider transmission needs driven by public policy requirements as part of the transmission issues. MidAmerican may also submit proposals to consider transmission needs driven by public policy requirements as part of the transmission issues.
- Proposals to consider transmission needs driven by public policy requirements will be discussed at a stakeholder meeting.
- MidAmerican will consolidate all such proposals, including proposals submitted by MidAmerican, into a list that will be posted on its website for stakeholder review and comment and will notify stakeholders of such posting by email notification.
- MidAmerican will assess such proposals, consider stakeholder feedback, and select the public policy requirements that will be further studied in the MidAmerican Local Transmission Planning Process. This selection will be based on: (i) the effective dates, nature and magnitude of the public policy requirements in applicable laws and regulations; (ii) the immediacy or other estimated timing, and extent, of the potential impact on the identified

transmission needs; (iii) the availability of the resources, and any limitations thereto, that would be required by consideration of such transmission needs driven by public policy requirements; (iv) the relative significance of other transmission issues that have been raised for consideration; and (v) other appropriate factors that can aid the prioritization of transmission issues to be considered in the MidAmerican Local Transmission Planning Process.

- MidAmerican will post on its website an explanation of which transmission needs driven by public policy requirements will be evaluated for potential solutions in the MidAmerican Local Transmission Planning Process, as well as an explanation of why other suggested potential transmission needs will not be evaluated.

XIII. Cost Allocation for New Projects

The Transmission Provider will designate and assign cost responsibility for identified Network Upgrades within MidAmerican's portion of the Transmission System according to the terms and provisions of Section III of Attachment FF to the Tariff. The cost allocation methodology set forth in Section III of Attachment FF to the Tariff shall not supersede joint- investment obligations to which MidAmerican may be subject.

XIV. Technical Contact

The technical contact for the MidAmerican Local Transmission Planning Process shall be:

Manager - Electric System Planning
MidAmerican Energy Company
One RiverCenter Place
106 East Second Street

P. O. Box 4350
Davenport, Iowa 52808

Document Content(s)

Final Transmittal Letter Attachment FF-MidAm.PDF.....1-4

Attachment FF-MidAm v2 Redlines.PDF.....5-27

Attachment FF-MidAm v2 Clean.PDF.....28-50

FERC GENERATED TARIFF FILING.RTF.....51-76