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June 22, 2022

**VIA ETARIFF/ELECTRONIC FILING**

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

**Re: *Golden Spread Electric Cooperative, Inc.***  
**Docket No. ER22-\_\_\_\_-000**  
Proposed Open Access Transmission Tariff Revisions  
Order No. 881 Compliance – Attachment T  
Filing Type Code: 80

Dear Secretary Bose:

Pursuant to the Federal Energy Regulatory Commission’s (“Commission”) directive in Order No. 881,<sup>1</sup> Golden Spread Electric Cooperative, Inc. (“Golden Spread”) hereby submits for filing its compliance filing to include a new Attachment T to Golden Spread’s Open Access Transmission Tariff (“OATT or “Tariff”). Attachment T will incorporate without modification the Commission’s *pro forma* language with respect to Transmission Line Ratings. As set out herein, Golden Spread requests an effective date of June 23, 2022 the day after this compliance filing was submitted.

In support of its compliance filing, Golden Spread states as follows:

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<sup>1</sup> *Managing Transmission Line Ratings*, Order No. 881, 177 FERC ¶ 61,179 (December 16, 2021 (“Order No. 881”), *clarification granted and denied in part, Managing Transmission Line Ratings*, Order No. 881-A, 179 FERC ¶ 61,125 (2022)(“Order No. 881-A”).

## I. COMMUNICATIONS

Please send all correspondence regarding this matter to the following individuals:

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## II. BACKGROUND

### A. DESCRIPTION OF GOLDEN SPREAD AND ITS TARIFF

Golden Spread is a non-profit electric generation and transmission cooperative organized under the Texas Electric Cooperative Corporation Act. Golden Spread's main corporate purpose is to supply cost effective and reliable wholesale electric power and energy to its sixteen Member cooperatives. Golden Spread supplies wholesale power to its sixteen Member cooperatives in the Southwest Power Pool ("SPP") and the Electric Reliability Council of Texas. Golden Spread's members provide electric service to 308,284 retail electric meters serving member consumers located in the Panhandle, South Plains, and Edward Plateau regions of Texas, an area covering 24 percent of the state, and in the Panhandle of Oklahoma and in small portions of Southwestern Kansas and Southeastern Colorado.

On June 18, 1987, the Commission determined that Golden Spread was a public utility subject to the Commission's jurisdiction and accepted Golden Spread's initial rates to provide wholesale full requirements service to its member systems pursuant to Section 205 of the FPA. On April 24, 2012, the Commission accepted Golden Spread's OATT for filing.<sup>2</sup> Concurrent with that acceptance and in subsequent orders, Golden Spread was granted a waiver of standards of conduct and the obligation to operate an open-access same-time information system ("OASIS").<sup>3</sup> Due to the

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<sup>2</sup> *Golden Spread Electric Cooperative, Inc.*, 139 FERC ¶ 61,067 (2012). Golden Spread's limited owned facilities within the SPP region are comprised of facilities that Golden Spread has financed and/or constructed (as needed) on behalf of its requesting members ("Special Facilities") that are used to supply the loads of the specific member participating in what is referred to as "Rider A" of Golden Spread's requirements wholesale power contract with its member. Golden Spread has one third party generator that takes service pursuant to its OATT.

<sup>3</sup> *Black Hills Power, Inc., et al.*, 135 FERC ¶ 61,058, P 48 (2011), *aff'd Golden Spread Electric Cooperative, Inc.*, Docket No. ER11-3404-002 (Jan. 24, 2014) (unpublished letter order).

discrete nature of its facilities, all transmission service purchased or requested on the Golden Spread system under its OATT has been point-to-point service; there are no network integration transmission service customers and Part III of the Tariff has been eliminated. Golden Spread's transmission system is fully embedded in other control areas; Golden Spread does not provide any control area services and it does not operate as a balancing authority area.

### III. PROPOSED TARIFF REVISIONS

In the instant compliance filing, Golden Spread proposes to incorporate without modification in new Tariff Attachment T – Transmission Line Ratings the Commission's *pro forma* language set out in Order No. 881 and 18 C.F.R. § 35.28(b), (c) and (g). Order No. 881 requires public utility transmission providers to implement ambient-adjusted ratings ("AAR") on the transmission lines over which they provide transmission service, use uniquely determined emergency ratings, maintain a database of transmission owners' transmission line ratings and transmission line rating methodologies on the transmission provider's OASIS site or other password-protected website, and share transmission line rating and transmission line rating methodologies with their respective transmission provider(s) and with market monitors in RTOs and ISOs, if applicable. Golden Spread currently does not operate transmission facilities within an RTO or ISO.

Golden Spread will implement Attachment T no later than three years from the Order No. 881 compliance filing due date. Golden Spread proposes no changes to the *pro forma* language included in Appendix B to Order No. 881. Golden Spread is also submitting a revised Table of Contents to its OATT to reflect new Attachment T.

### IV. ADDITIONAL INFORMATION

The following documents are included with this filing in addition XML-formatted data required by Order No. 714 for eTariff submission:

- Attachment A – Clean Tariff sheets.
- Attachment B – Redlined Tariff sheets.

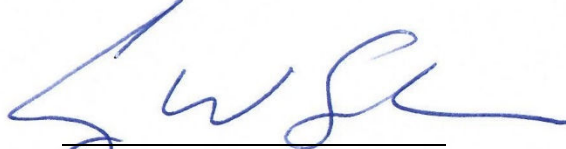
Although the substantive requirements have three year implementation schedule as set out in Order No. 881, Golden Spread requests an effective date as of the date of this compliance filing June 22, 2022, the day after the date of this compliance filing.

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**V. CONCLUSION**

WHEREFORE, for the foregoing reasons, Golden Spread respectfully requests that the Commission accept Golden Spread's proposed Tariff revisions. Please direct any questions or comments regarding this filing to the undersigned counsel.

Respectfully submitted,



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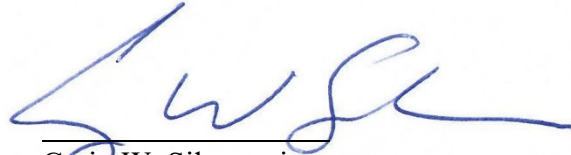
*Counsel for Golden Spread Electric  
Cooperative, Inc.*

Attachments

## CERTIFICATE OF SERVICE

I hereby certify that I have served this day copies of the foregoing to be sent via electronic or first class mail in accordance with Rule 2010 of the Commission Rules of Practice and Procedure.

Dated at Washington, D.C., this 22<sup>nd</sup> day of June, 2022.



Craig W. Silverstein

**GOLDEN SPREAD ELECTRIC COOPERATIVE, INC.**  
**OPEN ACCESS TRANSMISSION TARIFF**

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**ATTACHMENT T**  
**Transmission Line Ratings**

**General:**

The Transmission Provider will implement Transmission Line Ratings on the transmission lines over which it provides Transmission Service, as provided below.

**Definitions:**

The following definitions apply for purposes of this Attachment:

(1) “Transmission Line Rating” means the maximum transfer capability of a transmission line, computed in accordance with a written Transmission Line Rating methodology and consistent with Good Utility Practice, considering the technical limitations on conductors and relevant transmission equipment (such as thermal flow limits), as well as technical limitations of the Transmission System (such as system voltage and stability limits). Relevant transmission equipment may include, but is not limited to, circuit breakers, line traps, and transformers.

(2) “Ambient-Adjusted Rating” (AAR) means a Transmission Line Rating that:

- (a) Applies to a time period of not greater than one hour.
- (b) Reflects an up-to-date forecast of ambient air temperature across the time period to which the rating applies.
- (c) Reflects the absence of solar heating during nighttime periods, where the local sunrise/sunset times used to determine daytime and nighttime periods are updated at least monthly, if not more frequently.
- (d) Is calculated at least each hour, if not more frequently.

(3) “Seasonal Line Rating” means a Transmission Line Rating that:

- (a) Applies to a specified season, where seasons are defined by the Transmission Provider to include not fewer than four seasons in each year, and to reasonably reflect portions of the year where expected high temperatures are relatively consistent.
- (b) Reflects an up-to-date forecast of ambient air temperature across the relevant season over which the rating applies.

(c) Is calculated annually, if not more frequently, for each season in the future for which Transmission Service can be requested.

(4) “Near-Term Transmission Service” means Transmission Service which ends not more than 10 days after the Transmission Service request date. When the description of obligations below refers to either a request for information about the availability of potential Transmission Service (including, but not limited to, a request for ATC), or to the posting of ATC or other information related to potential service, the date that the information is requested or posted will serve as the Transmission Service request date. “Near-Term Transmission Service” includes any Point-To-Point Transmission Service, Network Resource designations, or secondary service where the start and end date of the designation or request is within the next 10 days.

(5) “Emergency Rating” means a Transmission Line Rating that reflects operation for a specified, finite period, rather than reflecting continuous operation. An Emergency Rating may assume an acceptable loss of equipment life or other physical or safety limitations for the equipment involved.

### **System Reliability:**

If the Transmission Provider reasonably determines, consistent with Good Utility Practice, that the temporary use of a Transmission Line Rating different than would otherwise be required by this Attachment is necessary to ensure the safety and reliability of the Transmission System, then the Transmission Provider may use such an alternate rating. The Transmission Provider must document in its database of Transmission Line Ratings and Transmission Line Rating methodologies on OASIS or another password-protected website, as required by this Attachment, the use of an alternate Transmission Line Rating under this paragraph, including the nature of and basis for the alternate rating, the date and time that the alternate rating was initiated, and (if applicable) the date and time that the alternate rating was withdrawn and the standard rating became effective again.

### **Obligations of Transmission Provider:**

The Transmission Provider will have the following obligations.

The Transmission Provider must use AARs as the relevant Transmission Line Ratings when performing any of the following functions: (1) evaluating requests for Near-Term Transmission Service; (2) responding to requests for information on the availability of potential Near-Term Transmission Service (including requests for ATC or other information related to potential service); or (3) posting ATC or other information related to Near-Term Transmission Service to the Transmission Provider’s OASIS site or another password-protected website.

The Transmission Provider must use AARs as the relevant Transmission Line Ratings when determining whether to curtail (under section 13.6) Firm Point-To-Point Transmission Service or when determining whether to curtail and/or interrupt (under section 14.7) Non-Firm Point-To-

Point Transmission Service if such curtailment and/or interruption is both necessary because of issues related to flow limits on transmission lines and anticipated to occur (start and end) within 10 days of such determination. For determining whether to curtail or interrupt Point-To-Point Transmission Service in other situations, the Transmission Provider must use Seasonal Line Ratings as the relevant Transmission Line Ratings.

The Transmission Provider must use AARs as the relevant Transmission Line Ratings when determining whether to curtail (under section 33) or redispatch (under sections 30.5 and/or 33) Network Integration Transmission Service or secondary service if such curtailment or redispatch is both necessary because of issues related to flow limits on transmission lines and anticipated to occur (start and end) within 10 days of such determination. For determining the necessity of curtailment or redispatch of Network Integration Transmission Service or secondary service in other situations, the Transmission Provider must use Seasonal Line Ratings as the relevant Transmission Line Ratings.

The Transmission Provider must use Seasonal Line Ratings as the relevant Transmission Line Ratings when evaluating requests for and whether to curtail, interrupt, or redispatch any Transmission Service not otherwise covered above in this section (including, but not limited to, requests for non-Near-Term Transmission Service or requests to designate or change the designation of Network Resources or Network Load), when developing any ATC or other information posted or provided to potential customers related to such services. The Transmission Provider must use Seasonal Line Ratings as a recourse rating in the event that an AAR otherwise required to be used under this Attachment is unavailable.

The Transmission Provider must use uniquely determined Emergency Ratings for contingency analysis in the operations horizon and in post-contingency simulations of constraints. Such uniquely determined Emergency Ratings must also include separate AAR calculations for each Emergency Rating duration used.

In developing forecasts of ambient air temperature for AARs and Seasonal Line Ratings, the Transmission Provider must develop such forecasts consistent with Good Utility Practice and on a non-discriminatory basis.

Postings to OASIS or another password-protected website: The Transmission Provider must maintain on the password-protected section of its OASIS page or on another password-protected website a database of Transmission Line Ratings and Transmission Line Rating methodologies. The database must include a full record of all Transmission Line Ratings, both as used in real-time operations, and as used for all future periods for which Transmission Service is offered. Any postings of temporary alternate Transmission Line Ratings or exceptions used under the System Reliability section above or the Exceptions section below, respectively, are considered part of the database. The database must include records of which Transmission Line Ratings and Transmission Line Rating methodologies were in effect at which times over at least the previous five years, including records of which temporary alternate Transmission Line Ratings or exceptions were in effect at which times during the previous five years. Each record in the database must indicate which transmission line the record applies to, and the date and time the



record was entered into the database. The database must be maintained such that users can view, download, and query data in standard formats, using standard protocols.

Sharing with Transmission Providers: The Transmission Provider must share, upon request by any Transmission Provider and in a timely manner, the following information:

(1) Transmission Line Ratings for each period for which Transmission Line Ratings are calculated, with updated ratings shared each time Transmission Line Ratings are calculated, and

(2) Written Transmission Line Rating methodologies used to calculate the Transmission Line Ratings in (1) above.

**Exceptions:** Where the Transmission Provider determines, consistent with Good Utility Practice, that the Transmission Line Rating of a transmission line is not affected by ambient air temperature or solar heating, the Transmission Provider may use a Transmission Line Rating for that transmission line that is not an AAR or Seasonal Line Rating. Examples of such a transmission line may include (but are not limited to): (1) a transmission line for which the technical transfer capability of the limiting conductors and/or limiting transmission equipment is not dependent on ambient air temperature or solar heating; or (2) a transmission line whose transfer capability is limited by a Transmission System limit (such as a system voltage or stability limit) which is not dependent on ambient air temperature or solar heating. The Transmission Provider must document in its database of Transmission Line Ratings and Transmission Line Rating methodologies on OASIS or another password-protected website any exceptions to the requirements contained in this Attachment initiated under this paragraph, including the nature of and basis for each exception, the date(s) and time(s) that the exception was initiated, and (if applicable) the date(s) and time(s) that each exception was withdrawn and the standard rating became effective again. If the technical basis for an exception under this paragraph changes, then the Transmission Provider must update the relevant Transmission Line Rating(s) in a timely manner. The Transmission Provider must reevaluate any exceptions taken under this paragraph at least every five years.

**GOLDEN SPREAD ELECTRIC COOPERATIVE, INC.**

**OPEN ACCESS TRANSMISSION TARIFF**

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III. [RESERVED]

28 [RESERVED]

29 [RESERVED]

30 [RESERVED]

31 [RESERVED]

32 [RESERVED]

33 [RESERVED].

34 [RESERVED].

35 [RESERVED].

SCHEDULE 1. [RESERVED]

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GOLDEN SPREAD ELECTRIC COOPERATIVE, INC.

# OPEN ACCESS TRANSMISSION TARIFF

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ATTACHMENT T. TRANSMISSION LINE RATINGS

**ATTACHMENT T**  
**Transmission Line Ratings**

**General:**

The Transmission Provider will implement Transmission Line Ratings on the transmission lines over which it provides Transmission Service, as provided below.

**Definitions:**

The following definitions apply for purposes of this Attachment:

(1) “Transmission Line Rating” means the maximum transfer capability of a transmission line, computed in accordance with a written Transmission Line Rating methodology and consistent with Good Utility Practice, considering the technical limitations on conductors and relevant transmission equipment (such as thermal flow limits), as well as technical limitations of the Transmission System (such as system voltage and stability limits). Relevant transmission equipment may include, but is not limited to, circuit breakers, line traps, and transformers.

(2) “Ambient-Adjusted Rating” (AAR) means a Transmission Line Rating that:

(a) Applies to a time period of not greater than one hour.

(b) Reflects an up-to-date forecast of ambient air temperature across the time period to which the rating applies.

(c) Reflects the absence of solar heating during nighttime periods, where the local sunrise/sunset times used to determine daytime and nighttime periods are updated at least monthly, if not more frequently.

(d) Is calculated at least each hour, if not more frequently.

(3) “Seasonal Line Rating” means a Transmission Line Rating that:

(a) Applies to a specified season, where seasons are defined by the Transmission Provider to include not fewer than four seasons in each year, and to reasonably reflect portions of the year where expected high temperatures are relatively consistent.

(b) Reflects an up-to-date forecast of ambient air temperature across the relevant season over which the rating applies.

(c) Is calculated annually, if not more frequently, for each season in the future for which Transmission Service can be requested.

(4) “Near-Term Transmission Service” means Transmission Service which ends not more than 10 days after the Transmission Service request date. When the description of obligations below refers to either a request for information about the availability of potential Transmission Service (including, but not limited to, a request for ATC), or to the posting of ATC or other information related to potential service, the date that the information is requested or posted will serve as the Transmission Service request date. “Near-Term Transmission Service” includes any Point-To-Point Transmission Service, Network Resource designations, or secondary service where the start and end date of the designation or request is within the next 10 days.

(5) “Emergency Rating” means a Transmission Line Rating that reflects operation for a specified, finite period, rather than reflecting continuous operation. An Emergency Rating may assume an acceptable loss of equipment life or other physical or safety limitations for the equipment involved.

#### **System Reliability:**

If the Transmission Provider reasonably determines, consistent with Good Utility Practice, that the temporary use of a Transmission Line Rating different than would otherwise be required by this Attachment is necessary to ensure the safety and reliability of the Transmission System, then the Transmission Provider may use such an alternate rating. The Transmission Provider must document in its database of Transmission Line Ratings and Transmission Line Rating methodologies on OASIS or another password-protected website, as required by this Attachment, the use of an alternate Transmission Line Rating under this paragraph, including the nature of and basis for the alternate rating, the date and time that the alternate rating was initiated, and (if applicable) the date and time that the alternate rating was withdrawn and the standard rating became effective again.

#### **Obligations of Transmission Provider:**

The Transmission Provider will have the following obligations.

The Transmission Provider must use AARs as the relevant Transmission Line Ratings when performing any of the following functions: (1) evaluating requests for Near-Term Transmission Service; (2) responding to requests for information on the availability of potential Near-Term Transmission Service (including requests for ATC or other information related to potential service); or (3) posting ATC or other information related to Near-Term Transmission Service to the Transmission Provider’s OASIS site or another password-protected website.

The Transmission Provider must use AARs as the relevant Transmission Line Ratings when determining whether to curtail (under section 13.6) Firm Point-To-Point Transmission Service or when determining whether to curtail and/or interrupt (under section 14.7) Non-Firm Point-To-



Point Transmission Service if such curtailment and/or interruption is both necessary because of issues related to flow limits on transmission lines and anticipated to occur (start and end) within 10 days of such determination. For determining whether to curtail or interrupt Point-To-Point Transmission Service in other situations, the Transmission Provider must use Seasonal Line Ratings as the relevant Transmission Line Ratings.

The Transmission Provider must use AARs as the relevant Transmission Line Ratings when determining whether to curtail (under section 33) or redispatch (under sections 30.5 and/or 33) Network Integration Transmission Service or secondary service if such curtailment or redispatch is both necessary because of issues related to flow limits on transmission lines and anticipated to occur (start and end) within 10 days of such determination. For determining the necessity of curtailment or redispatch of Network Integration Transmission Service or secondary service in other situations, the Transmission Provider must use Seasonal Line Ratings as the relevant Transmission Line Ratings.

The Transmission Provider must use Seasonal Line Ratings as the relevant Transmission Line Ratings when evaluating requests for and whether to curtail, interrupt, or redispatch any Transmission Service not otherwise covered above in this section (including, but not limited to, requests for non-Near-Term Transmission Service or requests to designate or change the designation of Network Resources or Network Load), when developing any ATC or other information posted or provided to potential customers related to such services. The Transmission Provider must use Seasonal Line Ratings as a recourse rating in the event that an AAR otherwise required to be used under this Attachment is unavailable.

The Transmission Provider must use uniquely determined Emergency Ratings for contingency analysis in the operations horizon and in post-contingency simulations of constraints. Such uniquely determined Emergency Ratings must also include separate AAR calculations for each Emergency Rating duration used.

In developing forecasts of ambient air temperature for AARs and Seasonal Line Ratings, the Transmission Provider must develop such forecasts consistent with Good Utility Practice and on a non-discriminatory basis.

Postings to OASIS or another password-protected website: The Transmission Provider must maintain on the password-protected section of its OASIS page or on another password-protected website a database of Transmission Line Ratings and Transmission Line Rating methodologies. The database must include a full record of all Transmission Line Ratings, both as used in real-time operations, and as used for all future periods for which Transmission Service is offered. Any postings of temporary alternate Transmission Line Ratings or exceptions used under the System Reliability section above or the Exceptions section below, respectively, are considered part of the database. The database must include records of which Transmission Line Ratings and Transmission Line Rating methodologies were in effect at which times over at least the previous five years, including records of which temporary alternate Transmission Line Ratings or exceptions were in effect at which times during the previous five years. Each record in the database must indicate which transmission line the record applies to, and the date and time the

record was entered into the database. The database must be maintained such that users can view, download, and query data in standard formats, using standard protocols.

Sharing with Transmission Providers: The Transmission Provider must share, upon request by any Transmission Provider and in a timely manner, the following information:

(1) Transmission Line Ratings for each period for which Transmission Line Ratings are calculated, with updated ratings shared each time Transmission Line Ratings are calculated, and

(2) Written Transmission Line Rating methodologies used to calculate the Transmission Line Ratings in (1) above.

**Exceptions:** Where the Transmission Provider determines, consistent with Good Utility Practice, that the Transmission Line Rating of a transmission line is not affected by ambient air temperature or solar heating, the Transmission Provider may use a Transmission Line Rating for that transmission line that is not an AAR or Seasonal Line Rating. Examples of such a transmission line may include (but are not limited to): (1) a transmission line for which the technical transfer capability of the limiting conductors and/or limiting transmission equipment is not dependent on ambient air temperature or solar heating; or (2) a transmission line whose transfer capability is limited by a Transmission System limit (such as a system voltage or stability limit) which is not dependent on ambient air temperature or solar heating. The Transmission Provider must document in its database of Transmission Line Ratings and Transmission Line Rating methodologies on OASIS or another password-protected website any exceptions to the requirements contained in this Attachment initiated under this paragraph, including the nature of and basis for each exception, the date(s) and time(s) that the exception was initiated, and (if applicable) the date(s) and time(s) that each exception was withdrawn and the standard rating became effective again. If the technical basis for an exception under this paragraph changes, then the Transmission Provider must update the relevant Transmission Line Rating(s) in a timely manner. The Transmission Provider must reevaluate any exceptions taken under this paragraph at least every five years.