

ISO Rules

Part 300 System Reliability and Operations

Division 304 Routine Operations

Section 304.2 Electric Motor Start Requirements



External Consultation Draft

February 7, 2019

Applicability

- 1 Section 304.2 applies to:
 - (a) the **operator** of an industrial complex that is:
 - (i) the Shell Limestone industrial complex; or
 - (ii) the Edson Gas Storage industrial complex;
 - (b) the **operator** of the **transmission facility** that operates **bulk transmission line** 854L from the 39S Bickerdike substation to the 397S Benbow substation;
 - (c) the **operator** of the **transmission facility** that operates 348S Marlboro substation; and
 - (d) the **ISO**.

Requirements

ISO Approval Prior to Starting an Electric Motor

- 2(1)** The **operator** of an industrial complex must have the prior verbal approval of the **ISO** by means of direct access telephone to start an electric motor at the industrial complex, in accordance with the specific requirements set out in subsections 3 and 4, as applicable.
- (2)** The **operator** of an industrial complex must report to the **ISO** by means of direct access telephone when an attempt to start the electric motor has been completed, whether successful or not.
- (3)** The **ISO** must notify the **operator** of the **transmission facility** in the regional area of the industrial complex that there has been a request to start up the electric motor, and confirm that the **operator** of the **transmission facility** is not aware of any **reliability** reason to not start the electric motor.
- (4)** The **ISO** must grant approval to start the electric motor unless the **ISO** has **reliability** concerns that would prevent the electric motor start.

Shell Limestone Electric Motor Start

3(1) If the **ISO** receives a request from the **operator** of an industrial complex that is the Shell Limestone industrial complex to start the eighteen thousand (18 000) horsepower electric motor located at that industrial complex, then the **operator** must provide the anticipated date and time of the start of the electric motor and make the verbal request to the **ISO** at least one (1) hour prior to that start.

(2) In addition, the **operator** must provide all affected direct connect **electricity market participants**, served from the 581S Amoco Ricinus substation and which the **ISO** indicates, with at least one (1) hour notice by telephone prior to the starting of the electric motor, indicating the expected time of start and that there may be a short dip in their utility voltage due to the electric motor start.

Edson Gas Storage Electric Motor Start

4(1) If the 348S Marlboro substation located in the Hinton/Edson Area experiences an outage or

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Division 304 Routine Operations

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derate resulting in any of the five thousand (5 000) horsepower electric motor-driven compressors at the Edson Gas Storage industrial complex shutting down, then the **operator** of that industrial complex must request approval from the **ISO** before restarting any of the compressor electric motors.

(2) If an outage or derate is in the nature of a permanent fault, then depending on the location of the permanent fault, the **operator** of the **transmission facility** must sectionalize the appropriate section of **bulk transmission line** 854L to allow radial supply to the 348S Marlboro substation from either the 39S Bickerdike substation or the 397S Benbow substation.

Revision History

Effective	Description
2018-xx-xx	Revised “market participant” to “electricity market participant”; Removed requirements for Empress Area; Removed examples of reliability conditions from Appendix 1.
2014-07-02	Amended subsections 4(1), 4(2) and 5(1) of Appendix 1 by unbolding the references to “outages” and adding the words “or derate” after the word “outages”
2012-05-31	Initial release