



PROCEDURE NAME
HWT Facility Interconnection Requirements

FUNCTIONAL OWNER
Horizon West Transmission, LLC (HWT)

APPROVED BY
Jennifer Chaney

VERSION
0

EFFECTIVE DATE
6-25-2021

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NERC Reliability Standards Index

FAC-001

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1. HWT FACILITY INTERCONNECTION REQUIREMENTS

This document is published to comply with NERC Reliability Standard FAC-001 Facility Interconnection Requirements which requires entities to document and make available Facility interconnection requirements to entities seeking to interconnect in order to avoid adverse impacts on the reliability of the Bulk Electric System (BES). The information provided is in accordance with NERC Reliability Standards, Western Electricity Coordinating Council (WECC), and California Independent System Operator (CAISO) requirements. The Facility interconnection requirements will address the following:

1.1 Generation Facilities


Generation facility connection requirements described in this document are general overviews of functional requirements for connecting new generation to the HWT transmission system or substantially modifying existing generating facilities connected to the HWT transmission system. Currently, the HWT transmission system does not interconnect with any generation facilities. In the event for which HWT will have a potential generation connection, facility connection requirements for Generation Facilities will follow CAISO Planning Standards, CAISO Business Process Manual for Generator Interconnection Procedures (GIP BPM V11), Generation Interconnection Process (GIP) and San Diego Gas and Electric (SDG&E) Generation Interconnection Handbook.

1.2 Transmission Facilities

Transmission facility connection requirements described in this document are general overviews of functional requirements for connecting new transmission facilities to the HWT transmission system. Detailed project specific requirements will be developed in accordance with NERC Reliability Standards, applicable WECC, and CAISO requirements.

1.3 End-User Facilities

End-user facility connection requirements described in this document are general overviews of functional requirements for connecting new and existing delivery points. Currently, HWT does not have end-user delivery point connections (i.e. load

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connections). In the event for which HWT will have a potential end-user connection, facility connection requirements for End-User facilities will follow CAISO Planning Standards, Business Process Manual for Transmission Planning Process (Transmission Planning Process BPM Version 21), and the most current Transmission Planning Process (TPP).


2. INTRODUCTION

Horizon West Transmission (HWT) is a Transmission Owner and does not have any generation or end-user facilities.

This document was developed to identify the technical requirements for connecting new facilities to the HWT transmission system and is in accordance with NERC Reliability Standard FAC-001 and the CAISO Planning Standards and Business Practice Manuals. It applies to new and materially modified existing transmission, generation, and end-user facility interconnections.

All interconnecting facilities, new or existing, requesting interconnection or interconnection upgrades to the HWT transmission system shall be planned, designed and operated in accordance with these Facility interconnection requirements, Good Utility Practice, Health and Safety Codes, NERC reliability standards, CAISO Planning Standards and Business Practice Manuals, San Diego Gas & Electric (SDG&E) Generation Interconnection Handbook, applicable American National Standards Institute (ANSI), Institute of Electrical and Electronics Engineers (IEEE), National Electric Safety Code (NESC), Occupational Safety and Health Administration (OSHA), California Public Utility Commission (CPUC) requirements, and any other applicable laws and regulations.

“Good Utility Practice” is defined as “any of the practices, methods, and acts engaged in or approved by a significant portion of the electric utility industry during the relevant time period, or any of the practices, methods, and acts that, in the exercise of reasonable judgment in light of the facts known at the time the decision was made, could have been expected to accomplish the desired result at a reasonable cost consistent with good business practices, reliability, safety, and expedition. Good Utility Practice is not intended to be limited to the optimum practice, method, or act, to the exclusion of all others, but rather is intended to include acceptable practices, methods, and acts generally accepted in the region.”

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2.1 Summary of Plans to Achieve Required Performance

The ISO coordinates the Transmission Planning Process (TPP) with several other CAISO processes. It is an annual process defined by three phases beginning with phase 1, development of the study plan, phase 2, technical analysis, selection of solutions, and development of the transmission plan, and phase 3, a competitive solicitation for perspective developers. Upon completion of the three phases, the transmission needs of the CAISO to maintain reliability is coordinated and consolidated into one plan in accordance with applicable reliability criteria. Plans that include the interconnection of new generating facilities are coordinated between SDG&E, CAISO and the applicable generating entities. The transmission planning horizon covers a minimum of ten years.

New projects necessary to meet electric system reliability obligations in compliance with NERC, CPUC, and/or CAISO are published where applicable.


2.1.1 Procedure for Coordinated Joint Studies

The CAISO Planning Standards along with other NERC and WECC planning standards are used to assess the system reliability impacts for any new facilities connecting to HWT. The interconnecting Facility Owner and HWT must coordinate on joint studies as identified in the CAISO Planning Standards, Transmission Planning Process and Business Practice Manuals.

ISO directs and coordinates the conduct of any studies that may be required to accommodate new interconnections. As such, HWT’s involvement with assessing the impacts of new interconnections is at the direction of the CAISO which ensures a regionally coordinated effort. CAISO’s practice includes the development of the unified planning assumptions and study plan to articulate the scope and detail of technical studies as part of the transmission process plan. The CAISO reliability assessment and approval process is designed to ensure that no adverse impacts to the operability or reliability of the CAISO transmission system will result from such planned changes to HWT’s transmission system.

2.1.2 Procedure for Notification of New or Modified Facilities to Others

Notifications will be conducted according to the CAISO Planning Standards, Transmission Planning Process and Business Practice Manuals which include

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public meetings and Market Notices.

2.1.3 Procedure for Confirming New/Modified Facilities are within the Balancing Authority Area’s metered boundaries

All metering, telemetering and SCADA design, installations and maintenance shall be performed in accordance with CAISO Business Practice Manuals, Requirements and Guidelines. Interconnection Facilities must ensure to use the most current effective version provided in the following documents: CAISO Business Practice Manual for Metering (BPM for Metering V21), CAISO Business Practice Manual for Direct Telemetry (BPM for Direct Telemetry V16), CAISO Generation Interconnection Process (GIP) and the SDG&E Generation Interconnection Process.

3. Annual Approval

The *HWT Facility Interconnection Requirements* procedure shall be reviewed and updated annually, if necessary.

Revision History

<i>Version Number</i>	<i>Description of Change</i>	<i>Revised By</i>	<i>Approver</i>	<i>Signature/Date</i>
0.0	Initial Document	Lori Thompson	Jennifer Chaney	<i>Jennifer Chaney</i> 06-24-21