

DEI/MISO Generation Interconnection Self-Fund Criteria

Criteria Overview

Per FERC and MISO requirements, the selection of a self-fund project occurs at the Facility Study phase. As this is early in the project selection process the extent of scope, cost, and complexity for the interconnection facilities at the POI (Point of Interconnection) and of Network Upgrades (as determined in the MISO Phase I study), while still staying within budgeting parameters, are some of the main criteria for determining if a project is eligible for self-fund. The system and network benefits of the project will also be evaluated. The current DPP Central Phase I projects are the projects that will be evaluated for self-fund. These projects can be found at: [https://www.misoenergy.org/planning/generator-interconnection/GI_Studies/#nt=%2Fprocessstage%3ADefinitive%20Planning%20Phase%20\(DPP\)&t=10&p=0&s=&sd=](https://www.misoenergy.org/planning/generator-interconnection/GI_Studies/#nt=%2Fprocessstage%3ADefinitive%20Planning%20Phase%20(DPP)&t=10&p=0&s=&sd=)

Point of Interconnection Constructability and Site Readiness

Greenfield Site Interconnection

Projects requiring new substation facilities will be evaluated using the site/land identified for the POI and its vicinity to the network. The project site/land requirements will be evaluated for execution complexity to determine project risk.

Examples of Substation Site/Land Criteria to be evaluated:

- Grading/Topography Requirements
- Subsurface Conditions
- Land Clearing Requirements
- Community/Environmental Impacts

Examples of Network Connection Criteria to be evaluated:

- Distance of Transmission Lines for Connection
- Line Routing Impacts to Community/Environment
- Topography of Connection Line Route
- Upgrades to Existing Line

Brownfield Site Interconnection

Projects with the point of interconnection in existing substation facilities will be evaluated by analyzing the existing infrastructure at the site and its site readiness to accept the connection. The project site requirements will be evaluated for execution complexity to determine project risk.

Examples of Existing Site Criteria to be evaluated:

- Existing Bus/Breaker Arrangement
- Existing Equipment Replacement/Relocation Requirements
- Site Expansion Requirements
 - Land Ownership

- Site Grading
- Environmental Impacts
- Subsurface Conditions
- Station Power Requirements
- Communication Network Upgrade Requirements
- NERC CIP and Cyber Security Requirements

Scope/Cost of Network Upgrades

In addition to the point of interconnection upgrades, there can be network upgrades required as a result of the generation addition. These upgrades can be extensive regardless of the point of interconnection requirements and have a significant impact to the project feasibility. These upgrade costs are the responsibility of the developer and can involve multiple utilities impacted (ex: The POI is within the Duke Energy territory, but the generation addition causes thermal overload to a neighboring utility's transmission line conductor). The scope and cost of these upgrades will be evaluated to determine the project's feasibility and risk of the project implementation.