

ISO Rules

Part 500 Facilities

Division 503 Technical & Operating Requirements

Section 503.9 Auxiliary Systems



Applicability

- 1 Section 503.9 applies to:
 - (a) the **legal owner** of a **generating unit** or **energy storage resource**, including a **generating unit** or **energy storage resource** situated within an industrial complex or **aggregated facility** that is directly connected to the **transmission system** or to **transmission facilities** within the City of Medicine Hat.

Requirements

Auxiliary Systems

2(1) The **legal owner** must, when multiple **generating units** or **energy storage resources** are at a common location, design the auxiliary systems of each **generating unit** or **energy storage resource** such that:

- (a) the failure of a single component will not result in the simultaneous tripping or shutdown of 2 or more **generating units** or **energy storage resources**;
- (b) staggered shutdowns of each **generating unit** or **energy storage resource** must be separated in time by more than 10 minutes; and
- (c) for combined cycle plants, the loss of the combustion turbine that results in the tripping of the steam turbine is acceptable.

(2) The **legal owner** must design the auxiliary systems of each **generating unit** or **energy storage resource** to take into account the voltage ride-through requirements as specified in Section 503.5 of the **ISO rules**, *Voltage Ride-Through*, as applicable.

Revision History

Date	Description
2024-04-01	Initial release.