

New Definitions:

"aggregated generating facility" means an aggregation of **generating units**, including any **reactive power** resources, which:

- (i) the **ISO** designates as an aggregated generating facility; and
- (ii) are situated in the same proximate location at one or more **point of connections**.

"apparent power" means the total power, in MVA, in an alternating current power system and is calculated as the vector sum of **real power** and **reactive power**.

"business day" means a **day** other than:

- (i) a holiday during which banks in Alberta are generally closed;
- (ii) Saturday; or
- (iii) Sunday.

"collector bus" means the low voltage side of any step-up transformers connected to the **transmission system** where the **real power** and **reactive power** produced by any **generating units** or **reactive power** resources, or both of them, are collected.

"generating unit" as defined in the **Act** means the component of a power plant that produces, from any source, electric energy and **ancillary services**, and includes a share of the following associated facilities that are necessary for the safe, reliable and economic operation of the **generating unit**, which may be used in common with other **generating units**:

- (i) fuel and fuel handling equipment;
- (ii) cooling water facilities;
- (iii) switch yards;
- (iv) other items.

"interconnected electric system" as defined in the **Act** means all **transmission facilities** and all **electric distribution systems** in Alberta that are interconnected, but does not include an **electric distribution system** or a **transmission facility** within the service area of the City of Medicine Hat or a subsidiary of the City, unless the City passes a bylaw that is approved by the Lieutenant Governor in Council under section 138 of the **Act**.

"ISO" means the Independent System Operator as defined in the **Act** being the corporation established by section 7 of the **Act**.

"legal owner" means the **person** who owns electric industry property including any one or more of:

- (i) a **generating unit**;
- (ii) any **aggregated generating facility**;
- (iii) a **transmission facility**;
- (iv) an **electric distribution system**;
- (v) an industrial system that has been designated as such by the **Commission**; and
- (vi) a **load** facility with **system access service** under subsection 101(2) of the **Act**.

"market participant" as defined in the **Act** means:

- (i) any **person** that supplies, generates, transmits, distributes, trades, exchanges, purchases or sells electricity, electric energy, electricity services or **ancillary services**; or
- (ii) any broker, brokerage or forward exchange that trades or facilitates the trading of electricity, electric energy, electricity services or **ancillary services**.

“**maximum authorized real power**” means:

- (i) for an **aggregated generating facility** with one or more **collector busses**, the sum of the maximum **gross real power** that the **ISO** has authorized the **generating units** to deliver to those **collector busses**;
- (ii) for an **aggregated generating facility** without a **collector bus**, the maximum **gross real power** that the **ISO** has authorized each **generating unit** to deliver to its generator terminal;
or
- (iii) for a **generating unit** that is not part of an **aggregated generating facility**, the maximum **gross real power** that the **ISO** authorizes the **generating unit** to deliver to its generator terminal.

“**operator**” means a **person** given expressed authority by a **legal owner** to operate on the **legal owner's** behalf any one or more of its electric industry properties, including:

- (i) a **generating unit**;
 - (ii) any **aggregated generating facilities**;
 - (iii) a **transmission facility**;
 - (iv) an **electric distribution system**;
 - (v) an industrial system that has been designated as such by the **Commission**; and
 - (vi) a **load** facility with **system access service** under subsection 101(2) of the **Act**;
- and includes the **legal owner**, if no such other **person** has been so authorized.

“**power factor**” means the ratio of **real power** to **apparent power**.

“**reactive power**” means the power, in MVA_r, developed when there are inductive, capacitive or nonlinear elements in an alternating current power system and is calculated as the vector difference between **apparent power** and **real power**.

“**real power**” means the power, in MW, which does useful work and is developed when there are resistive elements in an electric power system.

Amended Definitions:

“**balancing authority area**” means the collection of generation, transmission and **loads**, within the metered boundaries of the **balancing authority** and for which the **balancing authority** maintains **load-resource** balance.

“**transmission system**” as defined in the **Act** means all **transmission facilities** in Alberta that are a part of the **interconnected electric system**.

Removed Definitions

The following reliability standard definitions are proposed to be removed from the Consolidated Authoritative Documents Glossary:

“**corrective action plan**” means a list of actions and an associated timetable for implementation to remedy a specific problem.

“**facility**” means a set of electrical equipment that operates as a single **bulk electric system element**, including without limitation, a transmission line, generating unit, shunt compensator, or transformer.

“**facility rating**” means the maximum or minimum voltage, current, frequency, or real or reactive power flow through a facility that does not violate the applicable equipment **rating** of any equipment comprising the facility.

“**frequency deviation**” means a change in Interconnection frequency.

“high voltage direct current or HVDC” means a **high voltage direct current power transmission facility** that uses direct current to transfer power.

"owner of industrial system" means the owner of an industrial system designated as such by the **Commission** in accordance with the *Hydro and Electric Energy Act* and includes the operator of such system.

“rating” means the operational limits of a **transmission system** element under a set of specified conditions.

“schedule” means to set up a plan or arrangement for an **interchange** transaction.

“stability” means the ability of an electric **system** to maintain a state of equilibrium during normal and abnormal conditions.

“stability limit” means the maximum power flow possible through some particular point in the **system** while maintaining **stability** in the entire **system** or the part of the **system** to which the **stability** limit refers.

"surge" means transient variation of current, voltage, or power flow in an electrical circuit or across an electric system.

“system” means a combination of generation, transmission, and distribution of components.

“tie line” means a circuit connecting two balancing authority areas.

"Transmission Maintenance and Inspection Plan" or **"TMIP"** means a written plan for the regular and ongoing maintenance of transmission facilities.

"transmission vegetation management plan" or **TVMP** means a plan for vegetation management work to ensure the **reliability** of electric transmission **systems**.