October 2, 2020

To: Market Participants and Other Interested Parties ("Stakeholders")

Re: Notice of Intention to Request a Revision to the Effective Date of the Recently Approved Bulk Electric System Definition

Proposed Effective Date Revision

Pursuant to Section 19 of the *Transmission Regulation*, the Alberta Electric System Operator ("AESO") intends to forward to the Alberta Utilities Commission ("AUC") a request to revise the approved effective date for the recently approved amended bulk electric system definition on or after October 16, 2020.

Specifically, the AESO will be requesting that an effective date of August 6, 2022 be approved for facilities that were not considered part of the bulk electric system under the previously approved bulk electric system definition but will be part of the bulk electric system under the approved amended bulk electric system definition. This request addresses an oversight in the AESO's July 3, 2020 forwarding letter, *Forwarding Notice – New and Amended Alberta Reliability Standard Definitions: 1) Proposed new "radial circuit"; 2) Proposed new "system access service" and 3) Proposed amended "bulk electric system" (collectively referred to as "new and amended ARS-related definitions").*

Additionally, the AESO will be requesting that the previously approved bulk electric system definition continue to apply to these facilities between August 6, 2020 and August 6, 2022.

Background

On July 23, 2019, the AESO issued the *Consultation Letter for Proposed New and Amended Alberta Reliability Standards Definitions*. In that letter, the AESO outlined its proposed effective dates, which included the following:

> *The AESO is proposing the following effective dates for the proposed amended "bulk electric system" definition*
>
> - *October 1, 2019, for facilities that are currently considered part of the bulk electric system under the existing definition and will continue to be part of the bulk electric system under the proposed amended definition; and*
> - *October 1, 2021, for facilities that are not currently considered part of the bulk electric system under the existing definition but will be part of the bulk electric system under the proposed amended definition.*

On July 3, 2020, the AESO forwarded its proposed new and amended bulk electric system, system access service, and radial circuit ("ARS-related") definitions to the AUC. In its forwarding letter, the AESO requested that the AUC approve the final proposed new and amended ARS-related definitions to become effective upon approval by the Commission.

In alignment with its consultation, it was the AESO's intention to request an effective date two years following the approval of the ARS-related definitions for facilities that are not currently considered part of the bulk electric system under the existing definition but will be part of the bulk electric system under the proposed amended definition.

On August 6, 2020, the AUC approved the proposed new and amended ARS-related definitions with an effective date of August 6, 2020 for all facilities.

Alberta Electric System Operator
Calgary Place, 2500, 330-5th Avenue SW Calgary, AB T2P 0L4
Phone: 403-539-2450 | Fax: 403-539-2949

Previously Approved Bulk Electric System Definition

For reference, the previously approved definition of "bulk electric system" means:

> "as defined by the Regional Reliability Organization, means the electrical generation resources, transmission lines, interconnections, with neighbouring systems, and associated equipment, generally operated at voltages of one hundred (100) kV or higher; radial transmission facilities serving only load with one (1) transmission source are generally not included in this definition."

Approved Amended Bulk Electric System Definition

The recently approved amended definition of "bulk electric system" means:

"all system elements that are included in the following:

(i) all system elements that have all terminals energized at 100 kV or higher that are not part of a radial circuit;

(ii) a radial circuit comprised of system elements that have all terminals energized at 100 kV or higher where the radial circuit connects to:

(a) any facility included in items (iv) through (vii) below; or

(b) 2 or more generating resources, being generating units and aggregated generating facilities, that have a combined maximum authorized real power higher than 67.5 MW;

(iii) a transformer that has its primary terminal and at least one secondary terminal energized at 100 kV or higher;

(iv) a generating unit that has a maximum authorized real power higher than 18 MW where system access service is provided through a switchyard that is directly connected to transmission facilities energized at 100 kV or higher, including all system elements from the terminal of the generating unit to the transmission facilities energized at 100 kV or higher;

(v) an aggregated generating facility that has a maximum authorized real power higher than 67.5 MW where system access service is provided through a switchyard that is directly connected to transmission facilities energized at 100 kV or higher, including all system elements from the collector bus to the transmission facilities energized at 100 kV or higher, and excluding the generating units and the collector system feeders;

(vi) all generating units and aggregated generating facilities where system access service is provided through a common switchyard that is directly connected to transmission facilities energized at 100 kV or higher and the generating units and aggregated generating facilities have a combined maximum authorized real power higher than 67.5 MW, including all system elements from the terminal of each generating unit and from the collector bus of each aggregated generating facility to transmission facilities energized at 100 kV or higher, and excluding the generating units and collector system feeders of each aggregated generating facility;

(vii) a blackstart resource, including all system elements from the terminal of the blackstart resource to transmission facilities that are energized at 100 kV or higher; and

(viii) a static or dynamic reactive power resource that is dedicated to supplying or absorbing reactive power to or from the transmission system and is connected:

(a) to transmission facilities energized at 100 kV or higher;

(b) through a dedicated transformer that is directly connected to transmission facilities energized at 100 kV or higher; or

(c) through a non-dedicated transformer that has its primary terminal and at least one secondary terminal energized at 100 kV or higher, including all system elements from the terminal of the reactive power resource to the transmission facilities energized at 100 kV or higher."

Please feel free to let us know if you have any questions or concerns.

Sincerely,

“Melissa Mitchell-Moisson”

Melissa Mitchell-Moisson
Regulatory Administrator
Email: ars_comments@aeso.ca