Date of Request for Comment: April 7, 2017

Period of Comment: April 7, 2017 through May 5, 2017

Definitions – Amended

Existing	Original Proposed Amendments	Original Clean Proposed	Market Participant Comments and/or Alternate Proposal	AESO Reply
"**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**.	"**aggregated generating facility**" means, unless otherwise designated by the **ISO**, an aggregation of two (2) or more **generating units**, including any associated **reactive power** resources, ~~which~~where: (i) each **generating unit** is rated 9 MW or smaller; ~~the **ISO** designates as an aggregated generating facility; and~~ (ii) all **generating units** are situated in the same proximate location and have a common **collector bus** or multiple **collector busses** that can be operated as a common **collector bus**; and ~~at one or more **point of connections**.~~ (iii) the **aggregated generating facility** is connected to the **interconnected electric system** or the electrical system in the service area of the City of Medicine Hat.	"**aggregated generating facility**" means, unless otherwise designated by the AESO, an aggregation of two (2) or more **generating units**, including any associated **reactive power** resources, where: (i) each **generating unit** is rated 9 MW or smaller; (ii) all **generating units** are situated in the same proximate location and have a common **collector bus** or multiple **collector busses** that can be operated as a common **collector bus**; and (iii) the **aggregated generating facility** is connected to the **interconnected electric system** or the electrical system in the service area of the City of Medicine Hat.	**Capital Power Corporation ("Capital Power")** 1. Capital Power would like to better understand the proposed 9 MW or smaller rating for each generating unit that may be included as part of an aggregated generating facility. Please provide the AESO's technical basis and rationale for the 9 MW threshold.	1. The AESO is maintaining the current approach to the 9 MW criteria for an aggregated generating facility, outlined in Information Document #2012-001R, *Aggregated Generating Facility Designation Criterion*, which aligns with the recommendation from the WECC[1,2].
"**allowable dispatch variance**" means: (i) for each generating **source asset**, other than a wind	"**allowable dispatch variance**" means: (i) for each generating **source asset**, other than a wind or solar	"**allowable dispatch variance**" means: (i) for each generating **source asset**, other than a wind or solar		

[1] WECC Generating Unit Model Validation Policy, https://www.wecc.biz/Corporate/WECC%20Generating%20Unit%20Model%20Validation%20Policy%202012.pdf.
[2] WECC Generating Facility Data, Testing and Model Validation Requirements, https://www.wecc.biz/Reliability/WECC%20Gen%20Fac%20Testing%20and%20Model%20Validation%20Rqmts%20v%207-13-2012.pdf.

aggregated generating facility, as measured from the **dispatch** quantity: (a) plus or minus five (5) MW for a generating **source asset** with a **maximum capability** of two hundred (200) MW or less; or (b) (b) plus or minus ten (10) MW for a generating **source asset** with a **maximum capability** of greater than two hundred (200) MW; (ii) for each wind **aggregated generating facility** with a **maximum capability** of two hundred (200) MW or less: (a) five (5) MW greater than the **dispatch** quantity and five (5) MW less than the potential **real power** capability, if the potential **real power** capability is less than the **dispatch** quantity; or (b) plus or minus five (5) MW from the **dispatch** quantity, if the potential **real power** capability is greater than or equal to the **dispatch** quantity; and (iii) for each wind **aggregated generating facility** with a **maximum capability** of greater than two hundred (200) MW: (a) ten (10) MW greater than the **dispatch** quantity and ten (10) MW less than the potential **real power**	**aggregated generating facility**, as measured from the **dispatch** quantity: (a) plus or minus five (5) MW for a generating **source asset** with a **maximum capability** of two hundred (200) MW or less; or (b) ~~(b)~~ plus or minus ten (10) MW for a generating **source asset** with a **maximum capability** of greater than two hundred (200) MW; (ii) for each wind or solar **aggregated generating facility** with a **maximum capability** of two hundred (200) MW or less: (a) five (5) MW greater than the **dispatch** quantity and five (5) MW less than the potential **real power** capability, if the potential **real power** capability is less than the **dispatch** quantity; or (b) plus or minus five (5) MW from the **dispatch** quantity, if the potential **real power** capability is greater than or equal to the **dispatch** quantity; and (iii) for each wind or solar **aggregated generating facility** with a **maximum capability** of greater than two hundred (200) MW: (a) ten (10) MW greater than the **dispatch** quantity and ten (10) MW less than the potential **real power** capability, if the potential **real power** capability is less than the **dispatch** quantity; or (b) plus or minus ten (10) MW from the **dispatch** quantity, if the potential **real power**	**aggregated generating facility**, as measured from the **dispatch** quantity: (a) plus or minus five (5) MW for a generating **source asset** with a **maximum capability** of two hundred (200) MW or less; or (b) plus or minus ten (10) MW for a generating **source asset** with a **maximum capability** of greater than two hundred (200) MW; (ii) for each wind or solar **aggregated generating facility** with a **maximum capability** of two hundred (200) MW or less: (a) five (5) MW greater than the **dispatch** quantity and five (5) MW less than the potential **real power** capability, if the potential **real power** capability is less than the **dispatch** quantity; or (b) plus or minus five (5) MW from the **dispatch** quantity, if the potential **real power** capability is greater than or equal to the **dispatch** quantity; and (iii) for each wind or solar **aggregated generating facility** with a **maximum capability** of greater than two hundred (200) MW: (a) ten (10) MW greater than the **dispatch** quantity and ten (10) MW less than the potential **real power** capability, if the potential **real power** capability is less than the **dispatch** quantity; or (b) plus or minus ten (10) MW from the **dispatch** quantity, if the potential **real power**		

capability, if the potential **real power** capability is less than the **dispatch** quantity; or (b) plus or minus ten (10) MW from the **dispatch** quantity, if the potential **real power** capability is greater than or equal to the **dispatch** quantity.	capability is greater than or equal to the **dispatch** quantity.	capability is greater than or equal to the **dispatch** quantity.		
"**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.	"**collector bus**" means the low voltage side of any step-up transformers connected to the **interconnected electric ~~transmission~~ system** or the electrical system in the City of Medicine Hat where the **real power** and **reactive power** produced by any **generating units** or **reactive power** resources, or both of them within an **aggregated generating facility**, are collected.	"**collector bus**" means the low voltage side of any step-up transformers connected to the **interconnected electric system** or the electrical system in the City of Medicine Hat where the **real power** and **reactive power** produced by any **generating units** or **reactive power** resources, or both of them within an **aggregated generating facility**, are collected.		
"**commissioning**" means: (i) in the case of a new **generating unit** or a new **aggregated generating facility**, the process of carrying out, after synchronization but before **commercial operation**, activities designed to test equipment, the facility or a process to confirm that the facility can satisfactorily enter **commercial operation** and, where applicable, meets the **ISO**'s requirements and other relevant standards; (ii) in the case of an existing **generating unit** or an existing **aggregated**	"**commissioning**" means: (i) in the case of a new **generating unit** or a new **aggregated generating facility**, the process of carrying out, after connection to the **interconnected electric system** ~~synchronization~~ but before **commercial operation**, activities designed to test equipment, the facility or a process to confirm that the facility can satisfactorily enter **commercial operation** and, where applicable, meets the **ISO**'s requirements and other relevant standards; (ii) in the case of an existing **generating unit** or an existing **aggregated generating facility** that is being modified, the process	"**commissioning**" means: (i) in the case of a new **generating unit** or a new **aggregated generating facility**, the process of carrying out, after connection to the **interconnected electric system** but before **commercial operation**, activities designed to test equipment, the facility or a process to confirm that the facility can satisfactorily enter **commercial operation** and, where applicable, meets the **ISO**'s requirements and other relevant standards; (ii) in the case of an existing **generating unit** or an existing **aggregated generating facility** that is being modified, the process		

generating facility that is being modified, the process of carrying out activities designed to test equipment, the facility or a process to confirm that the facility can satisfactorily continue in **commercial operation** and, where applicable, continue to meet the **ISO**'s requirements and other relevant standards; (iii) in the case of a new **transmission facility** or a new load facility, the process of carrying out, after **energization** but before normal operation, activities designed to test equipment, the facility or a process to confirm that the facility can satisfactorily enter normal operation and, where applicable, meets the **ISO**'s requirements and other relevant standards; and (iv) in the case of an existing **transmission facility** or an existing load facility that is being upgraded in the form of a requested increase in capacity or revised functionality, the process of carrying out activities designed to test equipment, a facility or a process to confirm that the facility can satisfactorily continue in normal operation and, where applicable, continue to meet the **ISO**'s requirements and other relevant standards.	of carrying out activities designed to test equipment, the facility or a process to confirm that the facility can satisfactorily continue in **commercial operation** and, where applicable, continue to meet the **ISO**'s requirements and other relevant standards; (iii) in the case of a new **transmission facility** or a new load facility, the process of carrying out, after **energization** but before normal operation, activities designed to test equipment, the facility or a process to confirm that the facility can satisfactorily enter normal operation and, where applicable, meets the **ISO**'s requirements and other relevant standards; and (iv) in the case of an existing **transmission facility** or an existing load facility that is being upgraded in the form of a requested increase in capacity or revised functionality, the process of carrying out activities designed to test equipment, a facility or a process to confirm that the facility can satisfactorily continue in normal operation and, where applicable, continue to meet the **ISO**'s requirements and other relevant standards.	of carrying out activities designed to test equipment, the facility or a process to confirm that the facility can satisfactorily continue in **commercial operation** and, where applicable, continue to meet the **ISO**'s requirements and other relevant standards; (iii) in the case of a new **transmission facility** or a new load facility, the process of carrying out, after **energization** but before normal operation, activities designed to test equipment, the facility or a process to confirm that the facility can satisfactorily enter normal operation and, where applicable, meets the **ISO**'s requirements and other relevant standards; and (iv) in the case of an existing **transmission facility** or an existing load facility that is being upgraded in the form of a requested increase in capacity or revised functionality, the process of carrying out activities designed to test equipment, a facility or a process to confirm that the facility can satisfactorily continue in normal operation and, where applicable, continue to meet the **ISO**'s requirements and other relevant standards.		

"**governor or governor system**" means automatic control equipment with frequency or speed droop characteristics to control: i. the speed or electric power output of a generating unit, or both; ii. the electric power input of a load; or iii. the electric power output or input of an energy storage facility, or both	"**governor or governor system**" means automatic control equipment with frequency or speed droop characteristics to control: (i) ~~.~~ the speed or electric power output of a ~~generating unit~~ **generating unit**, or both; (ii) ~~.~~ the electric power input of a load; ~~or~~ (iii) ~~.~~ the electric power output or input of an energy storage facility, or both; or (iv) the speed or electric power output of an **aggregated generating facility**.	"**governor or governor system**" means automatic control equipment with frequency or speed droop characteristics to control: (i) the speed or electric power output of a **generating unit**, or both; (ii) the electric power input of a load; (iii) the electric power output or input of an energy storage facility, or both; or (iv) the speed or electric power output of an **aggregated generating facility**.		
"**maximum authorized real power**" means: (i) for an **aggregated generating facility** with one (1) 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.	"**maximum authorized real power**" means: (i) for an **aggregated generating facility** ~~with one (1) or more **collector busses**~~, the sum of the maximum **gross real power** that may be delivered to the ~~**ISO** has authorized the **generating units** to deliver to those~~ **collector busses** of the **aggregated generating facility**; or ~~(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~~ (ii~~i~~) for a **generating unit** that is not part of an **aggregated generating facility**, the maximum **gross real power** that may be delivered to the stator winding terminal of ~~that the **ISO** authorizes~~ the **generating unit** ~~to deliver to its generator terminal~~.	"**maximum authorized real power**" means: (i) for an **aggregated generating facility**, the sum of the maximum **gross real power** that may be delivered to the **collector busses** of the **aggregated generating facility**; or (ii) for a **generating unit** that is not part of an **aggregated generating facility**, the maximum **gross real power** that may be delivered to the stator winding terminal of the **generating unit**.		