

Regulating Reserve

Technical Characteristics Form



The following table is to be completed and submitted to the AESO by a pool participant applying to provide regulating reserve in accordance with Subsection 2 of Section 205.4 of the ISO Rules.

Technical Characteristics

- Complete one (1) form for each resource under the pool asset that is applying for qualification to provide regulating reserve –

Technical Characteristic		Comment
Pool Asset ID (Maximum 4 character code assigned by the AESO, ex: ABC1)		
Resource/ Unit Identification (Ex: ABC1 unit 1)		
Maximum Real Power Capacity For generating units - The maximum MW value of the high Regulation limit of the generating unit. For Battery Storage - The maximum MW value of the high Regulation limit of the battery storage unit.	_____ MW	
Minimum Real Power Capacity For generating units - The minimum MW value of the low Regulation limit of the generating unit For Battery Storage - The minimum MW value of the low Regulation limit of the battery storage unit.	_____ MW	
Maximum Regulation Range Capability The maximum MW volume of Regulation range that could be provided from the resource.	_____ MW	
Regulating Reserve Ramp rate* The ramp rate (MW/Min) of the resource	_____ MW/Min	
Is Governor responsive to both over- and under-frequencies?*	Yes No	If no, please explain: _____ _____
Deadband of Governor* (Total deadband should be equal to or less than 0.036 Hertz)	_____ Hz	
Droop setting* Should be equal to or greater than three percent (3%) but less than or equal to five percent (5%)	_____ %	

Technical Characteristic		Comment
Does Governor have intentional time delays added to the control system?*	Yes No	If Yes, please explain: _____ _____
Governor sample rate* (Should be at least 20 samples per second)	_____ samples/second	
Governor resolution* (Should be at least 0.004 Hertz)	_____ Hz	
Does the resource have load limiters installed that override or impact governor system operation?* (Ex: ramp rate controls or intentional time delays) Governor System – are there any load limiters or other control systems (such as ramp rate controls or intentional time delays) installed that override or interfere with governor system operation?	Yes No	If Yes, please explain: _____ _____
Remedial Action Schemes (RAS) Provide a short description of remedial action schemes affecting the resource.		

* Please submit Alberta P.Eng. Stamped supporting documents