Transmission Modelling Data Form
Generator Control

aeso

Project Number and Energization; or Facility Code: | 1470_1

Control Data

Machine Name | BearCreekGT

In-service ☑

Manufacturer | Brush Electrical Machines L +

Control System | **Generator**

Model | BDAX7-290ER

Data Name	Description	Value	Data Name	Description	Value
Mbase	Rated Capability (MVA)		Vbase	Rated RMS Voltage (kV)	
Fuel	Fuel or Energy Source		MARP	Maximum Authorized Real Power	
P_MIN	Minimum continuous real power out (MW)		H	Inertia constant	
R1	machine positive-sequence resistance on machine base MVA				
T'	Transient time constant		T"	Subtransient time constant	
X	Positive-sequence unsaturated synchronous reactance on machine		X(sat)		
X'	Positive-sequence unsaturated transient reactance on machine base		X'(sat)		
X"	Subtransient reactance on machine base MVA		X"(sat)		
R2	machine negative-sequence resistance on machine base MVA		X2	17. machine negative-sequence reactance on machine base MVA	
R0	machine zero-sequence resistance on machine base MVA		X0	18. machine zero-sequence reactance on machine base MVA	
StationService			UnitService		

Data submitted in this engineering document
represents the electrical system components
to a level adequate for powerflow, short-circuit,
and dynamic modeling of (select one below):
☐ An operational facility
or a project passing
☐ Gate 1
☐ Gate 2
☐ Gate 3
☑ Gate 5
of the AESO project process, and is subject to
change as project design proceeds and
as-built data becomes available.
It is not to be relied upon for construction.

APEGA Permit-to-Practice: