Transmission Modelling Data Form

AC Line Segments

Project Number and Energization; or Facility Code: 1052-1

AC Line Segments

name		r	x	gch	bch	r0	x0	g0ch	b0ch
507L-10A	(ohms, uS)	4.42699	9.89075	N/A	71.1965	9.5399	34.58806	N/A	40.34326

conductorType_name: Partridge

length (m): 21000

Height (m): 21

Conductors per Bundle: 1

Bundle spacing (m):

Operational Limit

Operational Limit Type	Capacity Limiting Condition	Current Limit	Nominal Voltage
Summer Normal	Conductor Thermal Rating	0.502	138
Summer Emergency (10 Min.)	Conductor Thermal Rating	0.552	138
Winter Normal	Conductor Thermal Rating	0.619	138
Winter Emergency (10 Min.)	Conductor Thermal Rating	0.681	138

name		r	x	gch	bch	r0	x0	g0ch	b0ch
	(ohms, uS)								

conductorType_name:

length (m):

Height (m

Conductors per Bundle:

Bundle spacing (m):

Operational Limit

Operational Limit Type	Capacity Limiting Condition	Current Limit	Nominal Voltage
Summer Normal			
Summer Emergency (10 Min.)			
Winter Normal			
Winter Emergency (10 Min.)			

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):

- ☐ An operational facility or a project passing
- ☐ Gate 1
- ☐ Gate 2
- ☐ Gate 3
- ☑ Gate 5

APEGA Permit-to-Practice:

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.

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