

## **GI-2008-1 Feasibility Study Preliminary Results**

Four different options of interconnecting GI-2008-1 to the Arapahoe switchyard are being studied in the Feasibility Study. Power-flow studies for 587MW (summer) generation were conducted utilizing four different interconnection options as follows:

- 1) All generation on 230kV bus
- 2) One steam turbine on 230kV bus, two CTs on 115kV bus
- 3) One steam turbine on 115kV bus, two CTs on 230kV bus
- 4) all generation on 115kV bus

Based on the preliminary power flow studies associated with the GI-2008-1 feasibility study, options 2 or 3 look the most favorable from the preliminary power flow study. The customer needs to select on of those options so PSCo transmission can continue to evaluate that option to determine the interconnection requirements as well as the Network upgrades needed for the selected option. Based on the option selected, PSCo Transmission will also conduct short circuit studies to determine any needed or upgraded transmission equipment.