

## **Colorado Springs Utilities (CSU)**

### **Posting of Total Transfer Capability (TTC) Information on the OASIS**

**December 11, 2007**

**Total Transfer Capability (TTC)** is the amount of electric power that can be dependably transferred over the transmission system while meeting all of the prescribed sets of pre- and post-contingency conditions specified in applicable operating reliability criteria (standard).

The following method used by CSU to determine TTC for the six interchange paths (Fuller, Monument and Midway to CSU Central System into the CSU system and CSU Central System to Fuller, Monument and Midway out of the CSU system) is based on a power flow study that was completed using current CSU system data and WECC modeling tools, including interconnected system database. The study method consists of adjusting CSU generation and load levels in order to increase power transfers in and out of the CSU system. Power transfers are increased until a critical limiting element, based on known System Operating Limits (SOL's), is identified to set the total system Transfer Capability limit out of and into the CSU system, under N-0 and N-1 conditions. The Total Transfer Capability Limit for each specified transfer path is obtained by dividing the total system Transfer Capability limit among the path according to actual power flow distribution factors.