

PSCo

Electric Transmission Load Growth on Western Slope

January 28, 2008

New Loads Served in 2006-2008

- **EnCana 35.0 MW Projected Load (Actual – 21 MW)
Middle Fork Substation – ISD 2006**
- **EnCana 15.0 MW Projected Load (Actual – 5 MW)
Una Orchard Substation – ISD 2007**
- **Williams 18.1 MW Projected Load – Starkey Gulch
Substation – ISD 2008**

New Transmission Customer Load Projections on the Western Slope

- Xcel Energy Retail -- 325 MW
 - Non Xcel Energy Retail (GVP) -- 190 MW
 - Tri-State G&T (Enterprise) -- 200 MW
- *Generation resources need to be identified to serve the new loads and maintain an adequate reserve margin.*

Projected New Loads – Retail

- **EnCana - Middle Fork Expansion (In-Service)**
- **EnCana - So. Middle Fork**
- **EnCana - Una Orchard Expansion (In-Service)**
- **EnCana - Story Gulch**
- **Williams - Sales**
- **Williams - Hirup**
- **Williams - Crawford Trail**
- **ConocoPhillips - Rio Blanco**
- **ConocoPhillips - Conn Creek**
- **Enterprise - Enterprise**
- **Enterprise - Ruleson**

Projected New Loads – Wholesale (Grand Valley Power)

- **Chevron - Clear Creek**
- **CAM - Red Cliff Coal Mine**
- **EnCana - Horsethief**

PSCo Transmission Commitments

- **Purchased Parachute-Wheeler 230kV line to serve Middle Fork load. (2005)**
- **Tapped RifleCu-Cameo 69kV line to serve Una Orchard load. (2007)**
- **Constructing Parachute-Starkey Gulch 230kV Line. (2008)**
- **Preliminary work for Starkey Gulch-Clear Creek 230kV Line Extension. (ISD 2010. Wholesale customer of Grand Valley Power. Being implemented through customer negotiations.)**

Transmission Upgrades Required for Full Load Development

- Upgrade Craig-RifleWA 230kV to 345kV
- Upgrade Craig-RifleCu 345kV (Terminal equipment)
- Add Craig 345-230kV #3
- Add Yankee Gulch-Crawford Trail-Clear Creek-Rifle 345kV
- Transmission Line Extensions
 - Add Starkey Gulch-Clear Creek 230kV
 - Add Parachute-Sales 230kV
 - Add Parachute-Ruleson 230kV
 - Add Collbran-Horsethief 138kV
 - Add Uintah-Red Cliff 69kV

Western Slope Loads

