



**PUBLIC UTILITY DISTRICT NO. 1 of CHELAN COUNTY**

P.O. Box 1231, Wenatchee, WA 98807-1231 • 327 N. Wenatchee Ave., Wenatchee, WA 98801  
(509) 663-8121 • Toll free 1-888-663-8121 • [www.chelanpud.org](http://www.chelanpud.org)

June 14, 2007

Mr. Paul Arnold, Vice President  
ColumbiaGrid  
(503) 867-5720  
[Arnold@columbiagrid.org](mailto:Arnold@columbiagrid.org)

RE: Chelan County PUD (CPUD) 10 year transmission expansion plans.

Mr. Arnold,

Attached are descriptions of three major transmission projects Chelan County PUD has currently in the 10 year transmission improvement plan. These projects do not have a regional impact.

- Rocky Reach to Andrew York 230kV Line
- Entiat 115kV Switching Station
- Rocky Reach to North Wenatchee 115kV Line Upgrade

Please contact me at [chadg@chelanpud.org](mailto:chadg@chelanpud.org) or (509) 661-4480 if you have any questions.

Sincerely,

Chad Rissman  
Engineering Manager Transmission and Distribution  
Chelan County PUD

CC: John White [jpwhite@cai-engr.com](mailto:jpwhite@cai-engr.com)

# ColumbiaGrid 2007 10 Year Transmission Plan Submittal Chelan County PUD



**Project Name:** Andrew York – Rocky Reach 230kV

**Project Description:** Construct 8.5-mile 230kV transmission line from Rocky Reach Switchyard to Andrew York Switchyard. Construction includes 230kV ring bus at Andrew York with 250MVA 230-115kV autotransformer. Improvements at Rocky Reach Switchyard include addition of one 230kV breaker and main transfer bus extension.

**Sponsor:** Chelan County PUD

**Commitment Level (high, med or low):** High

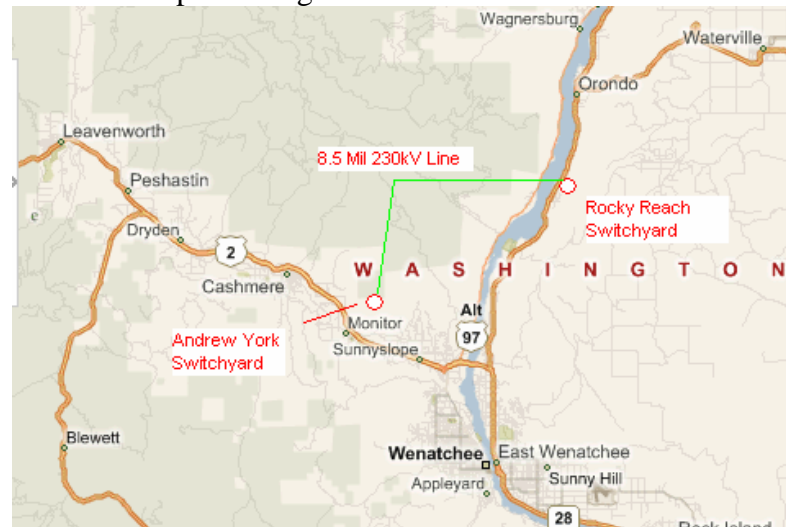
**Schedule (completion date):** November 2008

**Fast Track (yes or no):** No

**Current Status (plan, construct or scheduled):** Construction

**Project Cost Estimate:** \$14,000,000

## Location Map/Drawing



Project One-Line:

**Project Need/Driver:** Provide adequate capacity to Chelan's 115kV transmission system to meet reliability and operational standards during loss of 230kV-115kV autotransformer(s) at Rocky Reach Switchyard.

**Considered Alternatives:** Upgrade existing 115kV transmission.

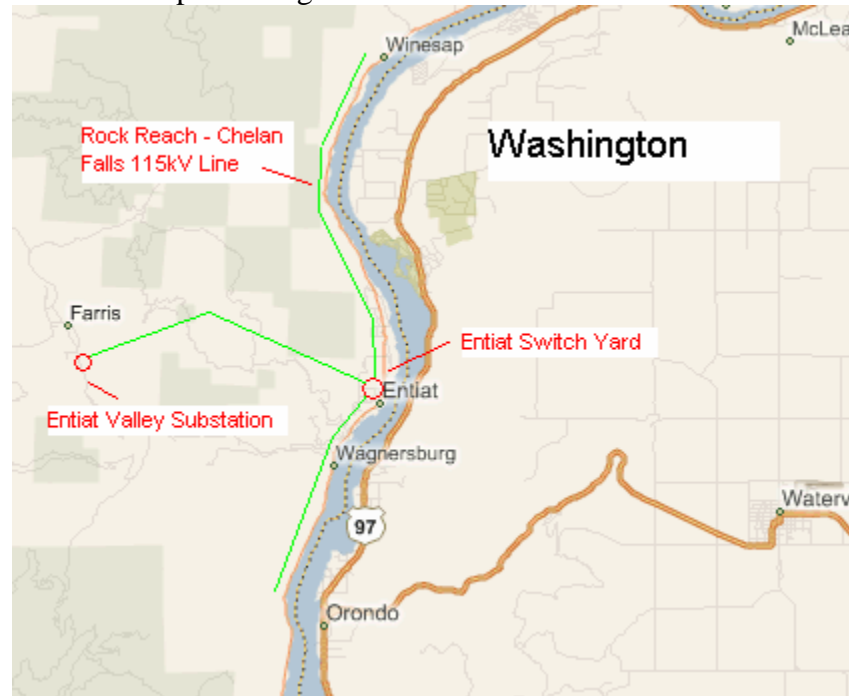
**Required Construction Outages:** Various outages at Andrew York and partial Rocky Reach Switchyard outages in bus section 3 where new breaker to be installed. Possible outage of Douglas to Rocky Reach 230kV connection.

**ColumbiaGrid 2007 10 Year Transmission Plan Submittal  
Chelan County PUD**



**Project Name:** Entiat 115kV Switching Station  
**Project Description:** Construct 3 breaker ring style 115kV switching station near Entiat.  
**Sponsor:** Chelan County PUD  
**Commitment Level (high, med or low):** Med  
**Schedule (completion date):** Fall 2010  
**Fast Track (yes or no):** No  
**Current Status (plan, construct or scheduled):** Planning  
**Project Cost Estimate:** \$2,000,000-\$3,000,000

**Location Map/Drawing**



Project One-Line:

Project Need/Driver: The existing Rocky Reach to Chelan Falls 115kV transmission line will be tapped with a new 115kV transmission line to serve Entiat Valley load area.

Considered Alternatives: None

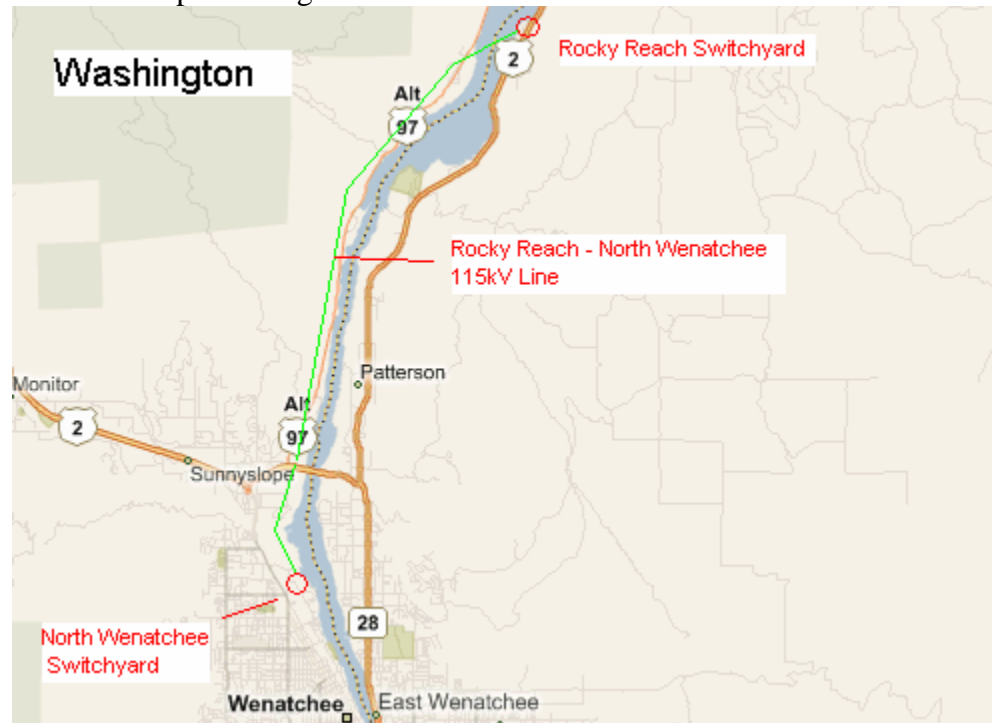
Required Construction Outages: Outages will be required to accommodate construction on the Rocky Reach to North Wenatchee 115kV transmission line.

# ColumbiaGrid 2007 10 Year Transmission Plan Submittal Chelan County PUD



**Project Name:** Rocky Reach – North Wenatchee 115kV Uprate  
**Project Description:** Uprate existing transmission line from 50°C or 67 amps at 30°C to 75°C or 560 amps at 30°C.  
**Sponsor:** Chelan County PUD  
**Commitment Level (high, med or low):** High  
**Schedule (completion date):** Fall 2007  
**Fast Track (yes or no):** No  
**Current Status (plan, construct or scheduled):** Design/Planning  
**Project Cost Estimate:** \$500,000

## Location Map/Drawing



Project One-Line:

Project Need/Driver: Loading exceeds operational limits during a contingency loss of Andrew York to Rocky Reach 230kV transmission line.

Considered Alternatives: None

**ColumbiaGrid 2007 10 Year Transmission Plan Submittal  
Chelan County PUD**



Required Construction Outages: Outages will be required to accommodate construction on the Rocky Reach to North Wenatchee 115kV transmission line.