

2010 WESTCONNECT ANNUAL PLANNING MEETING

2010 REPORT ERRATA

The WestConnect Planning Management Committee met on February 17, 2010 in Las Vegas, Nevada for its third annual planning meeting. This erratum documents the corrections and modifications received both during the annual meeting and during the review period following the annual meeting.

2010 WESTCONNECT TRANSMISSION PLAN

- 1) Exhibit 6 - 2010 Plan Completed Projects – Several projects were mistakenly listed in the Placed In-Service table. Those projects are: Morgan-Pinnacle Peak, Marlow - Trowbridge Transmission Line Reconductor, Lane 115/69 kV Autotransformer Upgrade from 100 MVA to 150 MVA or Addition of 2nd 100 MVA Autotransformer, West Tracy To Fort Sage 345 kV Line, One Nevada Line (ON Line). **These changes are reflected in the 2010 WestConnect Plan.**
- 2) Exhibit 6 - 2010 Plan Completed Projects – Dugas loop-in of Navajo-Westwing 500kV line, Milligan loop-in of Saguaro-Casa Grande 230kV line, Greenhorn 115 kV Substation, Reader 115 kV Upgrade, Donkey Creek – Pumpkin Buttes 230 kV Line, and Folsom 230-kV Loop were added to the In-Service table. **These changes are reflected in the 2010 WestConnect Plan.**
- 3) Exhibit 6 - 2010 Plan Completed Projects – APS and SRP Sugarloaf substation loop in to the Coronado - Cholla 500kV and El Paso Electric's Rio Grande-Sunset (5700 Line) 69 kV To 115 kV Line Upgrade and the Jornada Substation, SPR EOR 9300 and Coronado Transmission System Path 54 Upgrades projects were completed in 2009. **These changes are reflected in the 2010 WestConnect Plan.**
- 4) Appendix U – Trans-Elect Development Company Section (entire) – Ownership of the Wyoming-Colorado Intertie changed from Trans-Elect Development Company to Wyoming-Colorado Intertie, LLC.
- 5) Appendix L – PSCo, Section L-11 – The San Luis Valley – Calumet - Comanche Transmission Project was entered twice. **The duplicate entry has been deleted, but not included in the 2010 WestConnect Plan summaries or Appendices.**
- 6) 2010 WestConnect Transmission Plan Report, Pgs 9-10 – In the Significant Changes Between The 2008 And 2010 Plan section, a brief paragraph was added referencing a table highlighting projects that were placed In-Service in 2009. **These changes are reflected in the 2010 WestConnect Plan.**
- 7) 2010 WestConnect Transmission Plan Report, Pg 20 – In the WestConnect Transmission Projects in New Mexico section, the PNM Corrales Bluff – Southern and Willard – Algodones projects are now stated as being in service rather than being removed. **These changes are reflected in the 2010 WestConnect Plan.**
- 8) Various Projects added or updated in the WestConnect TPM database after close for final report preparation are included as **Attachment 1**. **These projects are not included in the 2010 WestConnect Plan summaries or Appendices.**

ATTACHMENTS (1)

ATTACHMENT 1 –2010 WESTCONNECT TRANSMISSION PLAN ADDITIONS OR UPDATES

Arizona Public Service Transmission Plan 2010-2019

SUGARLOAF LOOP-IN OF CORONADO-CHOLLA 500KV LINE 2009

Project Sponsor:	Arizona Public Service
Project Participants:	Salt River Project
Project Description:	Interconnect a new 500/69kV substation into SRP's Coronado-Cholla 500kV line. Because Salt River Project owns and operates the Coronado-Cholla 500kV line, they will be constructing and will operate the 500kV substation.
Voltage Class:	500 kV AC
Facility Rating:	240
Point of Origin:	Coronado-Cholla 500kV line; Sec. 9, T14N, R21E
Point of Termination:	Sugarloaf 500kV substation to be constructed in 2009; Sec. 9, T14N, R21E
Intermediate Points:	None
Length of Line (in Miles):	0
Type of Project:	In-Service
Routing:	Sugarloaf substation will be constructed by SRP adjacent to the Coronado-Cholla 500kV line.
Purpose of Project:	This project is needed to provide the electrical source and support to the sub-transmission system to serve the increasing need for electric energy in Show Low and the surrounding communities.
Estimated Cost (in 2009 Dollars):	\$14,437,000
Schedule:	
Construction Start Date:	2008
Planned In-Service Date:	2009
Permitting Status:	
Contact Information:	Jason Spitzkoff (602) 250-1651 Jason.Spitzkoff@aps.com

Black Hills Energy Transmission Plan 2010-2019

READER 115 KV UPGRADE

2009

Project Sponsor: Black Hills Energy
Project Participants: None
Project Description: Upgrade the existing Reader 115 kV bus and terminal equipment to 2000 amps

Voltage Class: 115 kV
Facility Rating: 398
Point of Origin: Reader 115 kV
Point of Termination: Reader 115 kV
Intermediate Points: None
Length of Line (in Miles): 0
Type of Project: In-Service
Routing:

Purpose of Project: Increased transfer capability

Estimated Cost (in 2009 Dollars): \$4,000,000

Schedule:

Construction Start Date: 2008
Planned In-Service Date: 2009
Permitting Status:

Contact Information:

Eric Egge
605-721-2646
eric.egge@blackhillscorp.com

Black Hills Energy Transmission Plan 2010-2019

GREENHORN 115 KV SUBSTATION

2009

Project Sponsor: Black Hills Energy
Project Participants: None
Project Description: A new 115 kV substation tapping the existing Reader-Burnt Mill 115 kV line

Voltage Class: 115 kV
Facility Rating: 50
Point of Origin: Greenhorn 115 kV
Point of Termination: Greenhorn 115 kV
Intermediate Points: None
Length of Line (in Miles): 0
Type of Project: In-Service
Routing:

Purpose of Project: Increase load serving capability

Estimated Cost (in 2009 Dollars): \$5,350,000

Schedule:

Construction Start Date: 2009
Planned In-Service Date: 2009
Permitting Status:

Contact Information:

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Black Hills Energy Transmission Plan 2010-2019

ARQUEA GULCH 115/69 KV SUBSTATION

2010

Project Sponsor: Black Hills Energy
Project Participants: None
Project Description: A new 115 kV substation near the existing Cripple Creek 69 kV substation

Voltage Class: 115 kV
Facility Rating: 60
Point of Origin: Arquea Gulch 115 kV
Point of Termination: Arquea Gulch 115 kV
Intermediate Points: None
Length of Line (in Miles): 0
Type of Project: Planned
Routing:

Purpose of Project: Increase load serving capability and local system reliability

Estimated Cost (in 2009 Dollars): \$6,300,000

Schedule:

Construction Start Date: 2008
Planned In-Service Date: 2010
Permitting Status:

Contact Information:

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Black Hills Energy Transmission Plan 2010-2019

WEST CANON-ARQUEA GULCH 115 KV LINE

2010

Project Sponsor: Black Hills Energy
Project Participants: None
Project Description: A new 115 kV line connecting the existing West Canon and new Arquea Gulch 115 kV substations

Voltage Class: 115 kV
Facility Rating: 179
Point of Origin: West Canon 115 kV
Point of Termination: Arquea Gulch 115 kV
Intermediate Points: None
Length of Line (in Miles): 25
Type of Project: Planned
Routing:

Purpose of Project: Increased load serving capability and local system reliability

Estimated Cost (in 2009 Dollars): \$11,800,000

Schedule:

Construction Start Date: 2008
Planned In-Service Date: 2010
Permitting Status:

Contact Information:

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Black Hills Power Transmission Plan 2010-2019

DONKEY CREEK-PUMPKIN BUTTES 230 KV LINE

2009

Project Sponsor:	Black Hills Power
Project Participants:	None
Project Description:	A new 230 kV line from the new Donkey Creek 230 kV substation near Wyodak to the Pumpkin Buttes 230 kV substation
Voltage Class:	230 kV
Facility Rating:	550
Point of Origin:	Donkey Creek 230 kV (near Wyodak)
Point of Termination:	Pumpkin Buttes 230 kV
Intermediate Points:	None
Length of Line (in Miles):	50
Type of Project:	In-Service
Routing:	
Purpose of Project:	Transmission customer needs and to improve system stability
Estimated Cost (in 2009 Dollars):	\$17,000,000
Schedule:	
Construction Start Date:	2008
Planned In-Service Date:	2009
Permitting Status:	
Contact Information:	
	Eric Egge 605-721-2646 eric.egge@blackhillscorp.com

El Paso Electric Company Transmission Plan 2010-2019

JORNADA SUBSTATION

2008

Project Sponsor: El Paso Electric Company
Project Participants: None
Project Description: The 115 kV Substation will tap into the existing Arroyo-Hatch 115 kV line

Voltage Class: 115 kV
Facility Rating: 45 MVA
Point of Origin: Jornada
Point of Termination: Jornada
Intermediate Points: None
Length of Line (in Miles): 0
Type of Project: In-Service
Routing: Interna to EPE

Purpose of Project: load serving

Estimated Cost (in 2009 Dollars): \$3,246,712

Schedule:

Construction Start Date: 2007
Planned In-Service Date: 2008
Permitting Status:

Contact Information:

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El Paso Electric Company Transmission Plan 2010-2019

RIO GRANDE-SUNSET (5700 LINE) 69 KV TO 115 KV LINE UPGRADE 2008

Project Sponsor:	El Paso Electric Company
Project Participants:	None
Project Description:	Convert the existing 5700 line to 115 kV and reconnect from Rio Grande to Sunset North.
Voltage Class:	115 kV
Facility Rating:	138 MVA
Point of Origin:	Rio Grande
Point of Termination:	Sunset North
Intermediate Points:	None
Length of Line (in Miles):	5
Type of Project:	In-Service
Routing:	Internal to EPE
Purpose of Project:	To increase load serving capability in the Sunset area by doubling line capacity. Utilizing the 5700 line will reduce project cost and the operational time frame of this project.
Estimated Cost (in 2009 Dollars):	\$1,669,200
Schedule:	
Construction Start Date:	2008
Planned In-Service Date:	2008
Permitting Status:	
Contact Information:	
	Dennis Malone (915) 543-5757 dmalone@epelectric.com

Great Basin Transmission, LLC Transmission Plan 2010-2019

SOUTHWEST INTERTIE PROJECT (SWIP)

2012

Project Sponsor: Great Basin Transmission, LLC
Project Participants: None
Project Description: Single circuit, overhead AC transmission project traversing from southern Idaho to southern Nevada

Voltage Class: 500 kV AC
Facility Rating: 2000
Point of Origin: Midpoint 500 kV
Point of Termination: Eldorado 500 kV
Intermediate Points: Robinson Summit and Harry Allen 500 kV
Length of Line (in Miles): 575
Type of Project: Planned
Routing: Idaho (Jerome and Twin Falls Counties), Nevada (Elko, White Pine, Nye, Lincoln, and Clark Counties)

Purpose of Project: SWIP will provide a pathway to deliver renewable energy resources from Nevada, Idaho, Montana and other areas of the northwest to markets in southern Nevada, California and Arizona

Estimated Cost (in 2009 Dollars): \$

Schedule:
Construction Start Date: 2010
Planned In-Service Date: 2012
Permitting Status:

Contact Information:
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<http://www.swipos.com/>

Wyoming-Colorado Intertie, LLC Transmission Plan 2010-2019

WYOMING-COLORADO INTERTIE

2014

Project Sponsor: Wyoming-Colorado Intertie, LLC
Project Participants: None
Project Description: New 180 mile long transmission line to further connect SE Wyoming to Colorado loads

Voltage Class: 345 kV
Facility Rating: 850
Point of Origin: Laramie River Station
Point of Termination: Pawnee
Intermediate Points: None
Length of Line (in Miles): 180
Type of Project: Planned
Routing: Southeastern Wyoming to Northeastern Colorado

Purpose of Project: Expand transfer capacity across TOT3

Estimated Cost (in 2009 Dollars):

Schedule:

Construction Start Date: 2012
Planned In-Service Date: 2014
Permitting Status:

Contact Information:

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