

Project Change Notice (PCN) Summary Report



APR: 94004640
 Title: Casper Outer Loop - Complete 115 kV Loop
 Change Type: Cost, Schedule
 Current In-Service Date: 12/31/2013

WBS : TCAS/2011/C/002/B
 Investment Reason: N9
 Project Manager: TOM FARGEN
 Proposed In-Service Date: 06/30/2015

Spent To Date: 327,539
 Approved Project Costs: 267,279
 Gross Funds Requested: 4,579,208
 New Project Costs: 4,846,487

Fiscal Year	Labor	Material	Purchase Services	Other	Removal Costs	Salvage	SurCharge & AFUDC	Total Gross Capital	CIAC	O&M Expense	Total APR	Betterment
2012	5,928	0	0	0	0	0	735	6,663	0	0	6,663	0
2013	19,375	0	31,877	3,220	0	0	9,128	63,600	0	0	63,600	0
2014	174,296	47	0	16,470	0	0	33,382	224,195	0	0	224,195	0
2015	161,969	555,659	252,250	381,770	0	0	256,181	1,607,829	0	0	1,607,829	0
2016	433,066	801,685	1,185,502	58,723	0	0	465,224	2,944,200	0	0	2,944,200	0
Totals	794,634	1,357,391	1,469,629	460,183	0	0	764,650	4,846,487	0	0	4,846,487	0

* Description of Assets and Work or Proposed Change:

This Project Change Notice (PCN) is to request a change in cost, scope and schedule for the Casper Outer Loop - Complete 115kV Loop project. The current scope of work is based on preliminary funding of \$267,279 (extended by Asset Management to \$367,279) to examine line routing, right of way and permitting for a new 115kV line that will connect Red Butte substation to the Casper WAPA substation. This request is for an additional \$4,579,208 which will bring the project to its full funding level of \$4,846,487. All contingency has been removed from the full funding amount. The additional funds requested will be used to: acquirer ROW; complete the detailed engineering for the 115kV double circuit transmission line, the Casper WAPA substation, Fort Casper substation and for relay settings at Elkhorn, Casper, and Red Butte substations; purchase material to include but not limited to nine fabricated steel

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transmission structures, 10 direct imbedded steel pole, 10 wood tangent structures, ½ inch OPGW fiber, 1272 ACSR conductor, two 69kV CCVT's; two sets of LO/LD devices; and contract labor to construct the project The request will extend the in-service date from 12/31/2013 (DA approved to 4/30/14) to 6/30/2015.

*** Purpose and Necessity or Reason for Change:**

Issue #1 - This project change notice will align the funding and scope for work in support of Docket No. 20000-384-ER-10 Paragraph 19-C, "Install a 115kV transmission line from the Red Butte to the Casper WAPA Substation#"

Issue #2 - In 2015 the Casper-Center Street-Elkhorn 115 kV line will load to 101% of the 4 hour emergency rating in the event the Casper-Rawhide 115 kV line faults. Hours of exposure is 4 hours in 2015 increasing to 17 hours in 2017.

Issue #3 - The ability to perform maintenance on the radial 115kV and 69 kV transmission lines is limited without customer outages.

*** Projected Conditions/Benefits of Change:**

This project is included in the master plan for Natrona County, Wyoming. This phase is the next step required to provide capacity for a total of 60 MW of distribution in the airport and Bar Nunn area.

The benefits from approval of this PCN are:

- This project will fulfill the agreement in Docket No. 20000-384-ER-10 paragraph 19 section C.
- After installation of the proposed 115 kV transmission line in 2015, the Casper-Center Street-Elkhorn 115 kV line loads to 55% of summer normal rating during an outage of the Casper-Rawhide 115 kV line faults during heavy loading and,
- In a preferred / alternate configuration these transmission 69 kV and 115 kV lines can be taken out of service for maintenance without customer impact.

*** Risk Assessment and Alternatives Evaluated:**

If this project change notice to revise the project scope to include

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full approved scopes and funding levels is not approved, the company will not comply with the Wyoming general rate case stipulation Docket No. 20000-384-ER-10.