

The following is posted in response to a customer request for reliability history of selected ATC transmission lines.

History of Forced Outages On Lines X-14, X-15, X-16, and X-49 1997 Through 2003

Prepared By Peter Burke On March 18, 2004

138 kV Line X-14, Darlington to Hillman

No record of any forced outages during the period 1997 through 2003

138 kV Line X-15, Hillman to Nelson Dewey

Dates and Times of Outages

| <u>Begin</u> | <u>End</u> | <u>Minutes Duration</u> |
|---------------------|---------------------|-------------------------|
| 03/07/1997 18:46:00 | 03/07/1997 18:53:00 | 7.00 |
| 04/20/2002 16:09:27 | 04/21/2002 14:15:00 | 1325.55 |

Summary of Outage Frequencies (Outages Per Line Per Year) and Durations (Minutes)

| | <u>Momentary</u> <u>(<=60 secs)</u> | <u>Sustained</u> <u>(>60 Secs)</u> | <u>All Forced</u> | <u>Durations</u> <u>(Mins Avg)</u> |
|-------------|---|--|-------------------|---------------------------------------|
| 1997 | 0 | 1 | 1 | 7 |
| 1998 | 0 | 0 | 0 | 0 |
| 1999 | 0 | 0 | 0 | 0 |
| 2000 | 0 | 0 | 0 | 0 |
| 2001 | 0 | 0 | 0 | 0 |
| 2002 | 0 | 1 | 1 | 1326 |
| 2003 | 0 | 0 | 0 | 0 |
| Full Period | 0 | 0.29 | 0.29 | 666 |

138 kV Line X-16, Nelson Dewey to Eden

No record of any forced outages during the period 1997 through 2003

138 kV Line X-49, North Monroe to Darlington

No record of any forced outages during the period 1997 through 2003