



OATI IDC Periodic Report to NERC
Project #405
July 2011

IDC Operational and IDC System availability statistics are indicated in the tables below:

Operational Statistics	Period	
	From: 04/10/2002 00:00	From: 07/01/2011 00:00
	To: 07/01/2011 00:00	To: 08/01/2011 00:00
Total TLR Events ¹	22,863	124
Total TLR Actions ²	205,031	948
TLR Events with Cuts	15,768	113
TLR Actions with Cuts	87,404	687
Total Tag Cuts	592,902	4,473
Total On-Path Tag Cut ³	312,438	1,836
Total Loop Flow Tag Cut ⁴	280,464	2,637
% On-Path Tag Cut	52.70%	41.05%
% Loop Flow Tag Cut	47.30%	58.95%
Total MW Cuts ⁵	31,011,192	224,080
Total On-Path MW Cut	15,127,635	61,984
Total Loop Flow MW Cut	15,883,557	162,096
% On-Path MW Cut	48.78%	27.66%
% Loop Flow MW Cut	51.22%	72.34%
Total Denied IDC Cuts ⁶	15,846	34
Total Tags in IDC	8,518,749	67,146
Total Tag Requests	19,390,826	202,897
Total Cut Requests	7,576,063	87,838
Total Energy Schedules ⁷	49,095,854	475,818
Total Cut Schedules	7,848,372	89,212
Total Transm. Schedules (OASIS Reservations)	98,793,386	929,531
Total Tag Energy Scheduled	7,423,794 GWh	88,483 GWh
Total IDC Energy Cut	30,274 GWh	221 GWh
On-Path Energy Cut	14,748 GWh	60 GWh
Loop Flow Energy Cut	15,519 GWh	161 GWh
IDC Energy Cut (%)	0.41%	0.25%
Actual Energy Flow post curtailment (% Sched)	99.59%	99.75%
On-Path Energy Cut (%)	48.72%	27.29%
Loop-Flow Energy Cut (%)	51.26%	72.71%

¹ TLR Event comprises all the TLR actions from initial TLR issuance (Level 2 and higher) until the TLR is terminated with a TLR Level 0

² Each one of the TLR issuances of the RC. The action can be Level 2, 3A, 3B, 4, 5A, 5B and 6

³ Constrained Path Method (CPM) computation

⁴ Weakest Link (WK)

⁵ As acknowledged by the Sink RC

⁶ Active and Passive

⁷ Indicates different schedule blocks

Availability Statistics	From 04/10/2002 to 07/01/2011	From 07/01/2011 to 08/01/2011
Planned Outages (# / Total Time in minutes)	126 ⁽⁸⁾ / 3103 minutes	1 / 15 minutes
Unplanned Outages (# / Total Time in minutes)	5 / 437	0 / 0 minutes
Availability ⁹	99.99%	100.00%

Highlights:

- There was an Emergency Maintenance Outage on Thursday, July 07, 2011 that took approximately 15 minutes. This is for the purpose of preventative maintenance of the cluster failover configuration control in the new private cloud architecture.
- OATI hosted a NERC Tools and Transition meeting for NERC and RC participants on July 12 and 13, 2001 in Minneapolis, MN.
- OATI staff, including Nelson Muller, Carlos Gonzalez-Perez, Scott Olson, Mohamad Yassin, and Jim Latimer, participated in the IDC Working Group conference call on July 18, 2011.

⁸ Includes 7 planned outages (on September 29, 2005, June 1, 2006, April 8, 2008, April 22, May 1, 2008, May 3, 2011, and July 7, 2011) and 85 IDC network model updates (May 1st, June 2nd, July 1st, August 1st, September 1, October 1, November 1, 2005, February 1, March 9, April 1, May 2, June 9, June 26, July 5, August 9, September 1, October 3, November 1, December 1, and December 6, 2006, January 3, January 31, March 1, April 1, May 1, June 7, July 5, July 31, September 4, September 10, October 3, October 10, November 2, November 9, and December 2, 2007, January 3, February 1, March 1, April 1, May 5, June 3, July 1, August 1, September 4, October 1, November 3, December 1, 2008, January 13, February 2, February 13, March 2, March 5, April 1, May 1, June 9, July 9, August 4, August 31, September 17, September 30, November 2, December 1, December 17, 2009, January 2, February 2, March 2, April 5, May 4, June 1, June 17, July 7, August 3, September 1, October 1, November 2, November 16, December 1, 2010, January 4, February 1, March 1, April 4, May 5, May 10, May 25, May 31, and June 29, 2011.) plus 34 network model updates and other planned outages from the previous contract period, as noted in the IDC Periodic Report for April 2005.

⁹ Planned Outages are not included in the computation of Availability figures.