



OATI IDC Periodic Report to NERC
Project #405
April 2011

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

Operational Statistics	Period	
	From: 04/10/2002 00:00	From: 04/01/2011 00:00
	To: 04/01/2011 00:00	To: 05/01/2011 00:00
Total TLR Events ¹	22,336	186
Total TLR Actions ²	199,422	2,061
TLR Events with Cuts	15,269	178
TLR Actions with Cuts	83,099	1,589
Total Tag Cuts	549,513	10,046
Total On-Path Tag Cut ³	290,504	5,799
Total Loop Flow Tag Cut ⁴	259,009	4,247
% On-Path Tag Cut	52.87%	57.72%
% Loop Flow Tag Cut	47.13%	42.28%
Total MW Cuts ⁵	29,467,019	423,439
Total On-Path MW Cut	14,456,937	206,084
Total Loop Flow MW Cut	15,010,082	217,355
% On-Path MW Cut	49.06%	48.67%
% Loop Flow MW Cut	50.94%	51.33%
Total Denied IDC Cuts ⁶	15,060	205
Total Tags in IDC	8,326,702	61,674
Total Tag Requests	18,779,775	190,225
Total Cut Requests	7,295,264	83,462
Total Energy Schedules ⁷	47,683,181	452,993
Total Cut Schedules	7,563,692	84,765
Total Transm. Schedules (OASIS Reservations)	96,017,617	894,380
Total Tag Energy Scheduled	7,197,065 GWh	72,024 GWh
Total IDC Energy Cut	28,761 GWh	414 GWh
On-Path Energy Cut	14,089 GWh	203 GWh
Loop Flow Energy Cut	14,665 GWh	211 GWh
IDC Energy Cut (%)	0.40%	0.58%
Actual Energy Flow post curtailment (% Sched)	99.60%	99.42%
On-Path Energy Cut (%)	48.99%	48.96%
Loop-Flow Energy Cut (%)	50.99%	51.04%

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 05/01/2011	From 02/01/2011 to 05/01/2011
Planned Outages (# / Total Time in minutes)	121 (⁸) / 3034 minutes	2 / 118 minutes
Unplanned Outages (# / Total Time in minutes)	5 / 437	0 / 0 minutes
Availability ⁹	99.99%	100.00%

Highlights:

- The transition of the IDC Production Environment to the OATI Private Cloud Architecture began with the April 27, 2011 URL and IP changes, and has its second phase on May 03, 2011 when there will be a planned outage (IDC, webSDX, BoF and NERC Data Exchange) to transition to new database servers. This has been announced via email, IDC Alarms, and by requests by OATI to post messages to the NERC RCIS.
- There was a Planned Outage of the IDC on Tuesday, May 03, 2011. This took place from 6:50 PM to 8:45 PM CDT. The total outage time was 115 minutes.
- The April 2011 Winter Base Case and Flowgate Set was uploaded in the IDC on Thursday, May 05, 2011, which took approximately three minutes to accomplish.
- OATI staff participated in the IDC Working Group conference calls on April 07 and April 11, 2011.

⁸ Includes 6 planned outages (on September 29, 2005, June 1, 2006, April 8, 2008, April 22, May 1, 2008, and May 3, 2011) and 81 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, and May 5, 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.