



Southwest Power Pool, Inc.
ICT STAKEHOLDERS POLICY COMMITTEE MEETING
May 16, 2011
Teleconference and Webex

• Draft Meeting Minutes •

10:00 a.m. – 12:00 p.m.

Agenda Item 1- Introductions and roll call

Tony Green, SPP, called the meeting to order at approximately 10:00 a.m. with a roll call of those present and registered for the meeting. There were 24 in attendance by teleconference.

Agenda Item 2- Agenda Review

Bruce Rew, SPP, reviewed the agenda which was posted prior to the meeting on the SPP website and available at the meeting. No changes to the agenda were presented.

Agenda Item 3- Transmission Metrics Project update

Jennifer Vosburg, NRG Energy, discussed the transmission metrics project. Information is available to rank the top five metrics the stakeholders deem the most important. Work on ranking the metrics will begin within the next two weeks and should be complete by August.

Agenda Item 4- AFC flowgate list additions

Cameron Warren, Entergy, delivered a presentation on the 2011 AFC flowgate analysis. Jennifer Vosburg asked if planned or unplanned outages were included in the analysis. Mr. Warren stated they were included only using temporary flowgate analysis. Kip Fox, AEP, inquired if the new flowgates were now in the model. Mr. Warren responded that the flowgates were added into the models before the end of March of this year.

Ms. Vosburg and Roberto Paliza, Paliza Consulting, LLC, discussed with Mr. Warren Base Case Overloads and Base Case Contingency Overloads (BCCO) and how the two were used in the process. Ms. Vosburg asked Jason Davis, SPP, if the ICT reviewed the new flowgates for BCCO. Mr. Davis replied the ICT did not have as part of its procedures to review the flowgates for BCCO. Mr. Paliza, Mr. Davis, and Ms. Vosburg had further discussion on the flowgates, including short term/long term and the benchmarking efforts of the AFC Task Force. Tina Lee, KGen Power, asked if research could be done to see how many of the 65 flowgates had BCCO. Mr. Warren responded research could be done, but could not commit to a time frame for that information to be delivered. Mr. Davis took an action item to include the discussion of the new flowgates in the AFC Task Force meeting in June. Determination will be made for the next steps in the process at that meeting.

Agenda Item 5- April TLR event update

Don Shipley, SPP, discussed the April TLR events and updated the stakeholders on the actions taken to resolve the issues. Mr. Shipley detailed the activities and responses of the Reliability Coordinator during the series of events and how those were reported. George Heintzen, Conway Corporation, asked if Mr. Shipley could give further details about the TLR5 reporting process. Mr. Shipley explained how the TLR5 reports were produced for the series of events, and that he would verify that the filed reports had the correct times for the events. Cameron Warren discussed Entergy's response. Kip Fox asked if any native load was curtailed. Mr. Shipley stated no native load was curtailed. Bruce Rew stated that the TLR event would be highlighted and reviewed at the ERSC meeting.

Mr. Shipley also discussed with Becky Turner, Entegra Power Group, a temporary flowgate question and the updating of the model. Mr. Shipley took an action item to ensure the model is correct before the end of the day.

Jennifer Vosburg discussed the event of April 21st and its effects prior to the Easter Weekend. Ms. Vosburg was concerned with the level of attention and communication the ICT provided during the event. Bruce Rew took an action item for the ICT to review the event and Ms. Vosburg's comments, and determine how the ICT could improve communication and actions in that situation.

Agenda Item 6- ALP and WOTAB base plan modeling

Ben Roubique, SPP, discussed the ICT position that ALP and WOTAB would not be considered load pockets for the 2012 Reliability Assessment. Several stakeholders asked Mr. Roubique questions on the ICT's analysis and opinion. These included whether Entergy and/or merchant generation was considered, MBPC study as compared to this analysis, and base plan analysis theory. Kip Fox asked if a NERC standards change would impact the ICT analysis and cause a redetermination. Mr. Roubique stated that the ICT would do a new analysis based on new standards. Antoine Lucas, SPP, discussed the intent of the stakeholders for this analysis. Mr. Lucas took an action item to discuss with stakeholders a 1-off study to validate the ICT's analysis.

Agenda Item 7- Action Items Review

Action items:

1. Jason Davis, SPP, will add the process of the 2011 AFC flowgate analysis to the AFC Task Force agenda in June.
2. Don Shipley, SPP, will have model corrections completed for the flowgate discussed with Becky Turner on May 16, 2011.
3. Bruce Rew, SPP, will discuss and review the TLR events for April at the next ERSC meeting.
4. Don Shipley will review the filed TLR5 reports for the April events and verify the dates are correct.
5. Bruce Rew will review the actions and response of the ICT for the April 21st event and determine improvements for communication with the stakeholders.



6. Antoine Lucas, SPP, will determine if the stakeholders require a 1-off study to validate the ICT opinion that ALP and WOTAB are not considered load pockets for the 2012 Reliability Assessment

Agenda Item 8- Adjournment

Meeting adjourned at approximately 11:40 a.m.

Respectfully Submitted,

Bruce Rew

ICT SPC - 5/16/11

Company	Last Name	First Name	Email	Attending	Comments
	Bernstein	Glen	gbernstein@sidley.com	Teleconferencing	
	Cadar	Claudiu	claudiu.cadar@gdsassociates.com	Teleconferencing	
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Southwest Power Pool	Green	Tony	tgreen@spp.org	Teleconferencing	
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NRG Louisiana Generating, LLC	Vosburg	Jennifer	jennifer.vosburg@nrgenergy.com	Teleconferencing	
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Entergy Services, Inc.	Warren	Cameron	cwarre1@entergy.com	Teleconferencing	



Southwest Power Pool, Inc.
ICT STAKEHOLDERS POLICY COMMITTEE MEETING

May 16, 2011

Webex

• A G E N D A •

10:00 a.m. - Noon

1. Introductions and roll call..... Bruce Rew
2. Review of meeting agenda..... All
3. Transmission metrics project updateJennifer Vosburg
4. AFC flowgate list additions Jason Davis
5. April 9th TLR event update.....Don Shipley
6. ALP and WOTAB base plan modeling Ben Roubique
7. Action Items review All
8. Adjournment Bruce Rew

Relationship-Based • Member-Driven • Independence Through Diversity
Evolutionary vs. Revolutionary • Reliability & Economics Inseparable

2011 AFC FLOWGATE ANALYSIS

5/16/2011

Cameron Warren, Entergy Services Inc. 6 of 22

Overview

- MOD-030-2 Requirements & Associated Actions Taken
- Flowgate Analysis Process
- TLR Analysis
- Final List Of Flowgate Additions

MOD-030-2 R2.1

- **Requirement** – Include Flowgates used in the AFC process based, at a minimum, on the following criteria:

Results of a first Contingency transfer analysis for ATC Paths internal to a Transmission Operator's system up to the path capability such that at a minimum the first three limiting Elements and their worst associated Contingency combinations with an OTDF of at least 5% and within the Transmission Operator's system are included as Flowgates.

- **Action Taken** – utilized PSS®MUST in running a Transfer Analysis to identify the first three limiting elements and their worst associated Contingency combinations with at least a 3% OTDF

MOD-030-2 R2.1.1.2.

- **Requirement** – Only the most limiting element in a series configuration must be included as a Flowgate
- **Action Taken** – identified series elements from the list of potential flowgates and included only the most limiting element of the series

MOD-030-2 R2.1.2.1.

- **Requirement** – Use first Contingency criteria consistent with those first Contingency criteria used in planning of operations for the applicable time periods, including use of Special Protection Systems
- **Action Taken** – utilized the same PSS®MUST input files that were used to build the powerflow cases used in the planning of operations

Flowgate Analysis Process

- Steps taken to identify new flowgates to be added:
 - The most recent monthly model update was used to grab the four monthly peak cases for the study – *peak months include April, July, October, and January*
 - Performed 4 separate transfer analysis (a transfer analysis for each peak case) using PSS®MUST to generate a list of flowgates with an OTDF of at least 3% for each of the four cases
 - Compared results from all four cases to remove duplicates, non-transmission (<115 kV) limiting constraints, and unit contingencies
 - Filtered the flowgates so that the ones identified occurred in at least 3 of the 4 powerflow cases
 - Identified series elements and kept the most limiting elements of the series
 - Eliminated any flowgates identified that are already part of the current Master Flowgate List
 - Eliminated any series elements with current AFC flowgates

TLR Analysis MOD-30-2 Rd.1.3.

- **Requirement** – Any limiting Element/Contingency combination at least within its Reliability Coordinator’s Area that has been subjected to an Interconnection-wide congestion management procedure within the last 12 months, unless the limiting Element/Contingency combination is accounted for using another ATC methodology or was created to address temporary operating conditions.

- **Action Taken**
 - Compiled a list of all TLRs (3A and above), and LAPs within Entergy during period of August 1, 2009 to December 31, 2010.
 - Flowgates removed from list if reason for TLR / LAP was a special circumstance
 - e.g. weather related system configurations, generation or transmission related outages
 - Flowgates analyzed with PSS®MUST to ensure at least a 3% OTDF on at least one transfer path

List Of Flowgate Additions

FGID	Mapname	Description	FG Rating (MVA)
FG_362	AKHSE2_AKHSE	Arklahoma-Hot Springs East #2 115 FTLO Arklahoma-Hot Springs East #1 115	266
FG_363	AKHSE2_AKHSW	Arklahoma-Hot Springs East #2 115 FTLO Arklahoma-Hot Springs West 115	266
FG_364	AKHSW_AKHSE2	Arklahoma-Hot Springs West 115 FTLO Arklahoma-Hot Springs East #2 115	239
FG_365	BAMCCR_BASHO	Bailey-McCrory 161 FTLO Bailey-Shoffner 161	148
FG_366	BASHO_BAMCCR	Bailey-Shoffner 161 FTLO Bailey-McCrory 161	148
FG_367	BOUCAR_DYNPG	Boudin-Carlyss 230 FTLO Dynegy-Pine Grove 230	405
FG_368	CAJADD_FANXF	Cajun-Addis 230 FTLO Fancy 230/500	510
FG_369	COLCSH_PELJA	Coley Creek-Sheperd 138 FTLO Pelican Road-Jacinto 138	206
FG_370	CYPLUM_HBTNE	Cypress-Lumberton 138 FTLO Hartburg-Nelson 500	239
FG_371	CYPLUM_NBHOS	Cypress-Lumberton 138 FTLO Newton Bulk-Holly Springs 138	239
FG_372	DARCLA_ANOFS	Dardanelle-Clarksville 161 FTLO ANO-Fort Smith 500	218
FG_373	FLOSTR_BOGXF	Florence South-Star 115 FTLO Bogalusa 500/230	161
FG_374	GRAWOD_DEHOS	Grapevine-Woodward 115 FTLO Degray-Hot Springs 115	120
FG_375	GRFHSN_GRFIN	Greers Ferry-Heber Springs North 161 FTLO Greers Ferry-Indepco 161	167
FG_376	GRFIN_GRFHSN	Greers Ferry-Indepco 161 FTLO Greers Ferry-Heber Springs North 161	167
FG_377	GRIMZ_GRICRO	Grimes-Mt. Zion 138 FTLO Grimes-Crockett 345	206
FG_378	HOUCAR_HOWAT	Hooker-Union Carbide 230 FTLO Hooker-Waterford 230	641
FG_379	HOWATR_UCWAT	Hooker-Waterford 230 FTLO Union Carbide-Waterford 230	641
FG_380	LCCANC_LCALD	Lewis Creek-Caney Creek 138 FTLO Lewis Creek-Alden 138	240
FG_381	MABLRM_MBLAR	Mabelvale-Little Rock Mann Rd 115 FTLO Mabelvale-Little Rock Alexander 115	239
FG_382	MCAPIC_MCALA	McAdams-Pickens 230 FTLO McAdams-Lakeover 500	462
FG_383	MCLCN_MCLCAM	McClellan-Camden North 115 FTLO McClellan-Camden McGuire 115	120
FG_384	MELBCR_ANOFS	Melbourne-Calico Rock 161 FTLO ANO-Fort Smith 500	148
FG_385	MONJPA_SANSH	Monette Junction-Paragould 161 FTLO San Souci-Shelby 500	148
FG_386	MTPSHS_BLMFN	Mountain Pine South-Hot Springs West 115 FTLO Blakely-Mountain Pine North 115	120
FG_387	NCRSC_RICWEL	North Crowley-Scott 138 FTLO Richard-Wells 500	216

List Of Flowgate Additions (cont...)

FGID	Mapname	Description	FG Rating (MVA)
FG_388	NEJXKL_JXMRB	Northeast Jackson-Klean Steel 115 FTLO Jackson Miami-Rex Brown 115	120
FG_389	PELCOL_PELJA	Pelican Road-Coley Creek 138 FTLO Pelican Road-Jacinto 138	206
FG_390	PELJA_PELCOL	Pelican Road-Jacinto 138 FTLO Pelican Road-Coley Creek 138	206
FG_391	PLACHM_COCVP	Plaisance-Champagne 138 FTLO Cocodrie-Ville Platte 230	191
FG_392	PLNSOF_PLNVD	Plantation-South Ferriday Tap 115 FTLO Plantation-Vidalia 115	155
FG_393	POLAA_POLWIN	Polscar-A.A.C. 230 FTLO Polscar-Wintz 230	685
FG_394	POLWIN_POAAC	Polscar-Wintz 230 FTLO Polscar-A.A.C. 230	685
FG_395	RBJAXM_JASXF	Rex Brown-Jackson Miami 115 FTLO Jackson South 230/115	320
FG_396	RICHAB_BONAM	Richard-Habetz 138 FTLO Bonin-Acadiana Mall 230	243
FG_397	RICHAB_PDMLA	Richard-Habetz 138 FTLO Pont Des Mouton-Labbe 230	243
FG_398	RICHAB_RICWE	Richard-Habetz 138 FTLO Richard-Wells 500	243
FG_399	ROSCAR_NELMO	Rosebluff-Carlyss 230 FTLO Nelson-Mossbluff 230	405
FG_400	RUSERS_ANOFS	Russellville East-Russellville South 161 FTLO ANO-Fort Smith 500	446
FG_401	RUSNRE_ANOFS	Russellville North-Russellville East 161 FTLO ANO-Fort Smith 500	396
FG_402	SABPNB_LNPNB	Sabine-Port Neches Bulk 138 FTLO Linde-Port Neches Bulk 138	239
FG_403	SCTSE_PDMLAB	Scott-Semere 138 FTLO Pont Des Mouton-Labbe 230	130
FG_404	SCTSE_RICWEL	Scott-Semere 138 FTLO Richard-Wells 500	130
FG_405	SORFS_FRABOG	Sorrento-French Settlement 230 FTLO Franklin-Bogalusa 500	456
FG_406	TAYSPH_COMCN	Taylor-Springhill 115 FTLO Couch-McNeil 115	120
FG_407	TOLVP_RODCOL	Toledo-Van Ply 138 FTLO Rodemacher-Colfax 230	143
FG_408	UCWAT_HOWATR	Union Carbide-Waterford 230 FTLO Hooker-Waterford 230	641
FG_409	VICEED_BAXRB	Vicksburg East-Edwards 115 FTLO Baxter Wilson-Ray Braswell 500	161
FG_410	WATCAJ_ENJAG	Waterloo-Cajun 230 FTLO Enjay-Jaguar 230	524
FG_411	WATCAJ_JAGES	Waterloo-Cajun 230 FTLO Jaguar-ESSO 230	524
FG_412	WGEVE1_WGEV2	Willow Glen-Evergreen #1 230 FTLO Willow Glen-Evergreen #2 230	478
FG_413	WTVICE_BAXXF	Waterways-Vicksburg East 115 FTLO Baxter Wilson 115/500	176
FG_414	WTVICE_GGFRA	Waterways-Vicksburg East 115 FTLO Grand Gulf-Franklin 500	176
FG_415	WYNCON_WGTAP	Wyandotte-Conway 138 FTLO Willow Glen-T300/331 Tap 138	159

Flowgate Additions (TLR Process)

FGID	Mapname	Description	FG Rating (MVA)
FG_416	PERBAX_PTFD	Perryville-Baxter Wilson 500 PTFD	1732
FG_417	WEBWELL_PTFD	Webre-Wells 500 PTFD	2122
FG_418	WMBIR_DELSS	West Memphis-Birmingham Steel 500 FTLO Dell-San Souci 500	1732
FG_419	MAYMOR_MAYSH	Mayflower-Morgan 115 FTLO Mayflower-Sylvan Hills 115	283
FG_420	SMCKCA_MCNXF	Smackover-Camden 115 FTLO McNeil 500/115 1	98
FG_421	FRAARL_FRBOG	Franklin-Arlington 115 FTLO Franklin-Bogalusa 500	161
FG_422	HOXF1_HOXF2	Hot Springs 500/115 1 FTLO Hot Springs 500/115 2	550
FG_423	NELMB_CARBOU	Nelson-Moss Bluff 230 FTLO Carlyss-Boudin 230	374
FG_424	NBHOL_HARCYP	Newton Bulk-Holly Springs 138 FTLO Hartburg-Cypress 500	275
FG_425	SORFS_MCKFRA	Sorrento-French Settlement 230 FTLO McKnight-Franklin 500	456
FG_426	VIETRU_MCNXF	Vienna-Trussell 115 FTLO McNeil 500/115 1	114

ICTE TLR 5 Investigation Report
Flowgate 15732
(Willow Glen 500/230 AT2 for the loss of Willow Glen -Waterford 500 kV)
TLR Level 5: April 6, 2011
Report Issued:

1. Description of purpose/cause of hold/curtailment.

This report is submitted in accordance with the NERC Transmission Loading Relief Investigation Procedure for the TLR 5 event that occurred on Flowgate 15732 on April 6, 2011. Flowgate 15732 is an Entergy flowgate. The TLR 5 was in effect from 7:13 PM until 11:26 PM on April 6, 2011. Projected post-contingent flows on the Willow Glen 500/230 AT2 line for the loss of the Willow Glen -Waterford 500 kV line exceeded the SOL.

2. Facility/flowgate limitations and flows at the time the TLR was initiated.

At the time the TLR 5b was issued, the Limiting Element was rated at 400 MVA. Flow on the Limiting Element was 263 MVA. Flow on the Contingent Element was 661 MVA. The LODF was approximately 26%. Post-contingent flow on the Limiting Element was approximately 434 MVA.

3. TLR levels, timing, and relief requested amounts.

TLRs levels, timing and relief requested amounts are shown on page 5.

4. Transmission and generation outages or changes from prediction that may have contributed.

- There were no unplanned outages on the ICTE system associated with this flowgate.
- There were no abnormal load changes.
- There was 0 mw of non-firm service impacting the flowgate day of since the RC was in a TLR 5 event.
- There was a derate on the Willow Glen AT2.
- There was a planned generator outage.

There was a derate on the Willow Glen AT2 that contributed to the TLR 5 event. There was also a planned generator outage that contributed to the TLR 5 event. Increment Units in the Entergy BA (including internal IPPs and QFs) near the constraint have an average Generator Shift Factor (GSF) of +18%. Decrement units near the constraint have an average Generator Shift Factor (GSF) of -2%. There was several increment generating units that were operating at or near minimum due to load and regulation reasons. The derate of the Willow Glen AT2, load, and generation patterns contributed to the TLR 5 event.

5. Procedures implemented prior to hold/curtailment.

There were no non-firm transactions with greater than 5% TDF available for curtailment to alleviate the flowgate. The system was not re-dispatched to prevent curtailment of firm service. The ICT RC verifies with Entergy's Shift Supervisor before a TLR 5 event is called if there are any re-dispatch options available. The Entergy Shift Supervisor to-date has not offered any re-dispatch solutions to prevent a TLR 5 event.

6. The initial investigation shall compare all transaction curtailment lists as generated by the IDC with the list of transactions flowing as determined by the IDC (Whole Transaction Lists) both before and after curtailment. The reasons for any transactions that were excluded from curtailment shall be provided. For those transactions not curtailed, the Reliability Authority will identify those entities and any affiliation with said entities.

CLEC_ENTEMOEMO2559_EES and CLEC_LEPA0006159_LEPA were excluded from curtailment due to these being reliability purchases requested from the RC.

7. List of known transactions not in the IDC with Transaction Contribution Factors greater than the curtailment threshold and actions taken to curtail such transactions.

There were no known transactions not in the IDC.

8. Excerpts from the RA Operations Log containing information relevant to the TLR event.

Information was provided to Reliability Coordinators through the IDC and the RCIS. Also the ICTE Reliability Coordinators logged information describing the actions taken at each issuance of the TLR.

9. Flowgate limitations as identified by security analysis processes conducted by the Reliability Authority for the day prior to the TLR event.

In the next day process, we did not see an issue with this flowgate, based off of the peak study.

10. State Estimator snapshots and security analysis, including any contingency analysis or stability analysis, along with any other recorded data indicating need for TLR.

The ICTE Reliability Coordinator was monitoring their state estimator for potential issues during this time. Screen shots were taken during each issuance of the TLR level 5.

11. ATC limitations before, during, and after the TLR event.

ICT Tariff Administration grants transmission service using an AFC process. This process evaluates each transmission request on a case by case basis. There are no ATC values for individual corridors to or from the Entergy system. ICT Tariff Administration was not granting any transmission requests that impacted the congested flowgate by 3 % or greater at the time of the TLR 5.

		Firm AFC available on TEMP 15 (MW)										
AFC Initialization Summary Report Timestamp		04/06 HB 19	20	21	22	23	04/07 HB 0	1	2	3	4	5
Prior to Day Ahead	4/5/11 18:46						9	17	23	22	22	-26
Day Ahead	4/6/11 10:57						7	15	21	21	-3	-28
		Sum of impact of firm reservations and rfcalc baseflow on TEMP 15 (MW)										
AFC Initialization Summary Report Timestamp		04/06 HB 19	20	21	22	23	04/07 HB 0	1	2	3	4	5
Prior to Day Ahead	4/5/11 18:46						391	383	377	378	378	426
Day Ahead	4/6/11 10:57						393	385	379	379	403	428
Difference for Prior to Day Ahead							-2	-2	-2	-1	-25	-2
TFC of TEMP15												
400												
AFC Initialization Summary Report Timestamp		Average Firm AFC available on TEMP 15 (MW)										
Prior to Day Ahead	4/5/11 18:46	11										
Day Ahead	4/6/11 10:57	5										
Difference		-6										
AFC Initialization Summary Report Timestamp		Ave. of impact of firm reservations and rfcalc baseflow on TEMP 15 (MW)										
Prior to Day Ahead	4/5/11 18:46	389										
Day Ahead	4/6/11 10:57	395										
Difference		6										

		AFC available on TEMP 15 (MW)											
AFC Initialization Summary Report		04/06					04/07						
Timestamp (CDT)		HB19	20	21	22	23	HB 0	1	2	3	4	5	
Prior to Day Ahead	4/5/11 18:46						9	17	23	22	22	-26	Firm
Operating Horizon	4/6/11 0:23	31	-14	-11	65	120							Non-Firm
Operating Horizon	4/6/11 2:23	34	-11	-9	67	119							Non-Firm
Operating Horizon	4/6/11 3:21	35	-10	-8	68	120							Non-Firm
Operating Horizon	4/6/11 3:41	35	-10	-8	68	120							Non-Firm
Operating Horizon	4/6/11 4:21	34	-12	-9	66	118							Non-Firm
Operating Horizon	4/6/11 5:08	34	-12	-9	65	118							Non-Firm
Operating Horizon	4/6/11 5:29	26	-19	-17	59	113							Non-Firm
Operating Horizon	4/6/11 7:13	23	-22	-19	58	112							Non-Firm
Operating Horizon	4/6/11 7:18	22	-23	-20	57	111							Non-Firm
Operating Horizon	4/6/11 8:18	28	-17	-14	62	114							Non-Firm
Operating Horizon	4/6/11 9:17	50	4	10	69	123							Non-Firm
Day Ahead	4/6/11 10:57						7	15	21	21	-3	-28	Firm
Operating Horizon	4/6/11 11:07	53	-13	5	45	112							Non-Firm
Operating Horizon	4/6/11 11:16	30	-27	-15	29	100							Non-Firm
Operating Horizon	4/6/11 12:45	28	-28	-16	27	96	97	100	93	152	141	63	Non-Firm
Operating Horizon	4/6/11 13:28	27	-30	-18	26	95	95	98	91	150	139	61	Non-Firm
Operating Horizon	4/6/11 14:34	27	-30	-18	23	95	95	98	91	150	139	61	Non-Firm
Operating Horizon	4/6/11 15:26	20	-37	-24	22	92	87	91	83	141	127	38	Non-Firm
Operating Horizon	4/6/11 16:27	19	-33	-15	26	95	89	93	85	144	131	43	Non-Firm
Operating Horizon	4/6/11 17:26	113	-32	-18	27	96	89	93	86	144	131	131	Non-Firm
Operating Horizon	4/6/11 19:03	113	2	-18	27	96	89	93	86	144	131	43	Non-Firm
Operating Horizon	4/6/11 19:25	113	-4	16	26	95	88	92	85	143	130	42	Non-Firm
Operating Horizon	4/6/11 20:28		113	23	62	97	90	94	86	145	132	44	Non-Firm
Operating Horizon	4/6/11 21:25			113	59	133	88	91	84	142	128	38	Non-Firm
Operating Horizon	4/6/11 22:25				111	123	123	96	89	148	135	47	Non-Firm
Operating Horizon	4/6/11 23:22					111	106	121	87	147	134	134	Non-Firm
Operating Horizon	4/7/11 0:22						400	108	115	150	138	138	Non-Firm
Operating Horizon	4/7/11 1:55							400	104	106	134	134	Non-Firm
Operating Horizon	4/7/11 2:35								97	95	97	97	Non-Firm
Operating Horizon	4/7/11 3:20									88	95	72	Non-Firm
Operating Horizon	4/7/11 3:44									88	95	72	Non-Firm
Operating Horizon	4/7/11 4:20										88	73	Non-Firm
Operating Horizon	4/7/11 5:21											88	Non-Firm

12. Description of actions taken to avoid future hold/curtailments.

This TLR was caused by a combination of generation patterns, load, and system flows. Due to this situation, no actions were taken to avoid future hold/curtailments.

13. Provide IDC generated Congestion Management Reports showing transaction curtailment list and Control Area NNL (network and native load) curtailment responsibility.

Congestion Management Reports for each issuance of the TLR have been reviewed and kept on file. These screen shots are not being provided to reduce the size of this report.

14. Re-dispatch actions taken.

Entergy had 130 MW of NNL. LAGN had 9 MW of NNL.

Event History

Issuing RC: ICTE
Flowgate: 15732 - Willow Glen 500/230 AT2 flo Willow Glen-Waterford 500kV
Event Begin: 2011-04-06 19:25
Event End: 2011-04-07 04:45
Event Duration: 9 Hours

TLR Level	TLR Date	TLR Confirm Time	Run Time	Requested Relief	Remaining Relief	Relief Provided	Total Cuts	
							Tags	MW
TLR Level 5B	04/06/2011 19:25	04/06/2011 19:14	04/06/2011 19:13:47	50.0	0.0	50.5	14	201
TLR Level 5A	04/06/2011 21:00	04/06/2011 20:28	04/06/2011 20:27:26	13.0	0.0	51.9	12	118
TLR Level 5A	04/06/2011 22:00	04/06/2011 21:28	04/06/2011 21:26:26	13.0	0.0	57.5	13	131
TLR Level 5A	04/06/2011 23:00	04/06/2011 22:32	04/06/2011 22:25:51	0.0	0.0	7.3	6	10
TLR Level 5A	04/07/2011 00:00	04/06/2011 23:27	04/06/2011 23:26:07	0.0	0.0	0.0	0	0
TLR Level 1	04/07/2011 00:45	04/07/2011 00:27	04/07/2011 00:26:50	0.0	0.0	0.0	0	0
TLR Level 0	04/07/2011 04:45	04/07/2011 04:33	04/07/2011 04:32:41	0.0	0.0	0.0	0	0

Event Summary

FILE SAVED AS: ICTE_15732_20110406_1825.htm

Incident: ICTE_15732_20110406_1825	Date: 04/06/2011	Reliability Coordinator: ICTE
Initial Conditions: N/A		
Flowgate: 15732 - Willow Glen 500/230 AT2 flo WL...	Rating: 400	LODF: 26.04%
TLR Direction: Normal		
Effective StartTime: 04/06/2011 19:25	Effective EndTime: 04/07/2011 04:45	TLR Duration: 9 Hours and 20 Minutes

TLR Actions

Confirm Time	Level	Effective Hour	Priority	Schedule						NNL Relief			Market Relief				Flow			TLR Action Comments
				Total Tags Cut / Hold	IDC Cut MW	Relief MW	RC Cut Acknowledge MW	Relief MW	Hold MW	CA	IDC MW	RC Ackn MW	Type	Mkt	IDC MW	RC Ackn MW	Current	Post Cont.	Cont. Flow	
Apr 06 19:14	TLR 5B	CURRENT	6-NN	1 / 0	95	4.9	95	4.9	0	0.0	EES	38.0	38.0	NONE		203	435	661	N/A	
			7-F	13 / 0	106	7.0	106	7.0	0	0.0	LAGN	2.0	2.0							38.0
			Total	14 / 0	201	11.9	201	11.9	0	0.0	Total	38.0	38.0							
Apr 06 20:25	TLR 5A	NEXT	7-F	13 / 0	106	7.0	106	7.0	0	0.0	NONE		NONE		200	383	475	N/A		
			Total	12 / 0	118	7.8	118	7.8	0	0.0	Total	44.0	45.0							
Apr 06 21:25	TLR 5A	NEXT	7-F	13 / 0	131	8.4	131	8.4	0	0.0	EES	46.0	46.0	NONE		241	367	498	N/A	
			LAGN	3.0	3.0	46.0	49.0													
			Total	13 / 0	131	8.4	131	8.4	0	0.0	Total	49.0	49.0							
Apr 06 22:32	TLR 5A	NEXT	7-F	6 / 0	10	0.8	10	0.8	0	0.0	EES	6.0	6.0	NONE		216	327	427	N/A	
			LAGN	0.0	1.0	6.0	7.0													
			Total	6 / 0	10	0.8	10	0.8	0	0.0	Total	6.0	7.0							
Apr 06 23:27	TLR 5A	NEXT									NONE		NONE		211	331	461	N/A		
Apr 07 00:27	TLR 1	CURRENT									NONE		NONE		199	351	535	N/A		
Apr 07 04:33	TLR 0	CURRENT									NONE		NONE		183	329	564	N/A		

TLR Schedule Totals

Priority	Schedule			
	Total Tags Cut / Hold	IDC Cut MW	RC Cut Acknowledge MW	Hold MW
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	1	95	95	0
7	57	471	471	0
Total	58	566	566	0

TLR NNL Totals

CA	NNL Relief	
	IDC MW	RC Ackn MW
EES	129.0	130.0
LAGN	8.0	9.0
Total	137.0	139.0

Date	Time	Category	Detail
04/06/11	1925	TLR - 5b Initial	Issued TLR 5b EES>NNL 36.2 LAGn>NNL 2.3 PC108% OASIS Ref 406449
04/06/11	1935	TLR - Redispatch Question	John Buckman - No redispatch options
04/06/11	1940	TA Notification	Not of AFC avoidance sheet
04/06/11	1940	No Internal NonFirm Tags	
04/06/11	2027	TLR - 5a Reissue	Reissue TLR5 EES>NNL 41.5 LAGN>NNL 2.6 (BC1 U4) PC95%
04/06/11	2040	No Internal NonFirm Tags	
04/06/11	2126	TLR - 5a Reissue	Reissue TLR5 EES>NNL 46.0 LAGN>NNL 3.1(BC1U4) PC91%
04/06/11	2130	No Internal NonFirm Tags	
04/06/11	2225	No Internal NonFirm Tags	
04/06/11	2225	TLR - 5a Reissue	Reissue TLR5 Pc 81% EES>NNL 6.1 LAGN>NNL 0.0
04/06/11	2326	TLR - 5a Reissue	Reissue TLR5 EES>NNL 0.0 LAGN>NNL 0.0 PC82%
04/06/11	2330	No Internal NonFirm Tags	
04/07/11	0026	TLR - 1	Reissue as TLR1 PC87% OASIS Ref406449
04/07/11	0030	TA Notification	not on TA's AFC avoidance spreadsheet
04/07/11	0432	TLR - 0	Issued TLR 0. PC 82% .OASIS ref # 406449
04/07/11	0432	TA Notification	Not on AFC avoidance sheet.

ICT Position on Load Pocket Analysis for Base Plan 5/11/11

During the March 17 SPC meeting, the ICT was asked to consider performing a load pocket analysis on WOTAB and the Acadiana Load Pocket (ALP) for the 2012 Reliability Assessment.

Currently, the ICT performs its Reliability Assessment considering an N-1, G-1 evaluation for the Western, Amite South, and Down Stream of Gypsy (DSG) areas on the Entergy Transmission System. Those evaluations consider the loss of critical units within those areas along with a transmission contingency. The ICT has defined this evaluation in more detail in its 2012 Reliability Assessment Scope. Entergy's Transmission Local Planning Criteria also contains a more detailed description of the load pockets that are currently evaluated.

The ICT does not believe that a special load pocket analysis should be performed for WOTAB and the Acadiana Load Pocket (ALP). WOTAB and the ALP have characteristics that distinguish them from the other currently designated load pockets (Amite South, DSG, Western).

WOTAB has a large number of generating resources that are spread out over a relatively large geographic area. The capacity and diversity of resources in WOTAB helps to ensure that, if a unit were to be lost, the possibility of replacing the capacity within WOTAB is fairly likely. WOTAB also has more generating capacity than load, meaning that it is not dependent on imports (although it may be more economical to import power than to generate it within the region). While there are thermal and stability limits that may restrict the amount of imports into the region, it is not anticipated that the combined loss of a generator and transmission line (N-1, G-1) within WOTAB will cause severe reliability issues. Therefore, the ICT does not see a need to evaluate reliability projects to a higher standard within the WOTAB area.

The Acadiana Load Pocket (ALP) also has characteristics that distinguish it from other load pockets on the Entergy system. Entergy does not own any generation within the ALP. Therefore, an N-1, G-1 scan that considers Entergy's resources, would not produce any results above the current Reliability Assessment process. The ICT does recognize that other utilities have generation in the ALP, but does not believe that the Base Plan process is the appropriate venue to evaluate the impact of the loss of 3rd party generation.

The ICT does recognize that NERC Standard TPL-001-2 that is presently under development requires the consideration of N-1, G-1 analysis system-wide. If this standard is approved, the ICT would consider an N-1, G-1 analysis for the Entergy system to develop the Base Plan.