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**RCC Meeting  
March 9, 2005  
Agenda Item 3.7**

February 28, 2005

Members, Reliability Coordinating Committee

**Re: NPCC Reliability Assessment Program (NRAP) Summary Report**

The NPCC Reliability Assessment Program Summary Report has been updated (as of February 28<sup>th</sup> - see attached) and will be presented at the March 9<sup>th</sup> Reliability Coordinating Committee meeting. The full updated NRAP Status Report will be posted in Adobe format in the Current Year NRAP folder on the NPCC Home Page. The URL to the folder is:

<http://www.npcc.org/NRAP.asp?Folder=CurrentYear>

Please note that the full report is only “distributed” with this reference.

In addition, the latest status of NPCC assignments in response to the NERC Board of Trustees Blackout 2003 Recommendations can be found at:

<https://www.npcc.org/member/blackoutRecommendations.asp?Folder=CurrentYear>

Sincerely,

*Phil Fedora*

Philip A. Fedora  
Director, Market Reliability Interface

cc: Members, Compliance Monitoring and Assessment Subcommittee  
Members, Task Force on System Studies  
Members, Task Force on System Protection  
Members, Task Force on Coordination of Planning  
Members, Task Force on Coordination of Operation  
Members, Task Force on Infrastructure Security and Technology  
NPCC Working Group Chairs  
NPCC Staff

**NPCC RELIABILITY ASSESSMENT PROGRAM  
SUMMARY REPORT**

Page #	PROJECT DESCRIPTION	2005 BUDGET	2005 EXPENSE
3	<b>CO-1</b> Control Performance Working Group	\$25,000	\$950
3	<b>CO-2</b> Dispatcher Training Working Group	\$15,000	\$0
4	<b>CO-7</b> Operational Review Team Working Group	\$5,000	\$0
4	<b>CO-8</b> System Operations Managers Working Group	\$25,000	\$600
5	<b>C-15</b> Solar Alert Service	\$15,000	\$0
5	<b>CO-10</b> Operational Tools Working Group	\$15,000	\$0
6	<b>LESPWG</b> Lake Erie Security Process Working Group	\$15,000	\$0
6	<b>CO-13</b> Available Transfer Capability Working Group	\$8,000	\$0
7	<b>DCWG</b> Data Collection Working Group	\$5,000	\$0
7	<b>Inter-ISO</b> Inter-ISO Planning Working Group	\$5,000	\$0
8	<b>IRCWG (CO-11)</b> Inter-Control Area Restoration Coordination Working Group	\$10,000	\$3,250
8	<b>CO-12</b> Operations Planning Working Group	\$15,000	\$1,200
9	<b>CP-8</b> Working Group on Review of Resource and Transmission Adequacy	\$60,000	\$600
9	<b>CP-2005</b> Summer 2005 Multi-Area Probabilistic Reliability Assessment	\$50,000	\$3,945
10	<b>CP-TIE</b> Review of Interconnection Assistance Reliability Benefits	\$25,000	\$11,900
10	<b>CP-9</b> Review of NERC Reliability Standards Working Group	\$25,000	\$6,579
11	<b>RPF</b> Regional Planning Forum	\$25,000	\$0

**NPCC RELIABILITY ASSESSMENT PROGRAM  
SUMMARY REPORT**

Page #	PROJECT DESCRIPTION	2005 BUDGET	2005 EXPENSE
11	<b>CP-11</b> <i>NPCC Basic Criteria for Design and Operation of Interconnected Power Systems Review Working Group</i>	\$10,000	\$1,950
12	<b>CP-GLOS</b> Update NPCC Glossary	\$5,000	\$0
12	<b>SEDRWG (SP-6)</b> Synchronized Event Data Reporting Working Group	\$12,000	\$650
13	<b>SS-37</b> Base Case Development Working Group	\$10,000	\$1,950
13	<b>SS-38</b> Inter-Area Dynamic Analysis Working Group	\$20,000	\$375
14	<b>TRS</b> Overall Transmission Reliability Study	\$10,000	\$0
14	<b>MEN</b> MAAC-ECAR-NPCC Working Group	\$10,000	\$300
14	<b>MMWG</b> Multiregional Modeling Working Group	\$5,000	\$0
15	<b>TFIST</b> Infrastructure Security and Technology Working Group	\$20,000	\$0
15	<b>IST-1</b> Infrastructure Security and Technology Workshop	\$5,000	\$0
<b>TOTAL</b>		<b>\$450,000<sup>1</sup></b>	<b>\$34,249</b>

<sup>1</sup> At its September 14, 2004 meeting, the Executive Committee approved a recommendation that NPCC's 2005 Regional Budget include \$327,600 in Account #800 "Project Expense". Historically, total expenses have generally ranged from approximately 60 to 80 percent of the annual budget estimate.

**NPCC RELIABILITY ASSESSMENT PROGRAM  
SUMMARY REPORT**

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>CO-1</b>	Control Performance Working Group	The Working Group insures coordination between adjacent control areas in establishing interchange schedules, reviews time error correction procedures, and monitors the conformance of the Areas with NPCC Control Performance Criteria and Operating Reserve Criteria. At the request of the Task Force on Coordination of Operation (TFCO), it conducts investigations of control performance problems.	<b>2005 Budget:</b>	\$25,000
			<b>Expense to Date:</b>	\$950
			<b>Completion Date:</b>	December 2005
	<b>Status/ Comments:</b>	The Control Performance Working Group has: 1) developed a merged draft of former NPCC Documents C-19 and C-20, developing the reserve product naming convention; 2) developed a new Document C-38, "Procedure for Operating Reserve Assistance", 3) monitored the implementation of the NERC ACE Diversity Interchange process, reviewing the effectiveness of the NERC Disturbance Control Standard; and 4) reviewed appropriate NERC Standard Authorization Requests.		
	<b>NPCC Staff Reference:</b>	<b>Jerry Mosier TFCO Workplan</b>		

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>CO-2</b>	Dispatcher Training Working Group	The Working Group establishes a program for system dispatcher training relating to NPCC inter-Area matters, criteria, terminology, policies and operating instructions. It prepares and presents material at dispatcher training sessions, exchanges information on internal dispatcher training methods. The CO-2 Working Group also evaluates and propose new techniques and training aids as they become available.	<b>2005 Budget:</b>	\$15,000
			<b>Expense to Date:</b>	\$0
			<b>Next Seminar:</b>	May 2005
	<b>Status/ Comments:</b>	The Operator/Scheduler Training Seminar is being held on May 4-5, 2005 in Saratoga Springs, NY. A tentative agenda for the Seminar has been prepared.		
	<b>NPCC Staff Reference:</b>	<b>Jerry Mosier TFCO Workplan</b>		

**NPCC RELIABILITY ASSESSMENT PROGRAM  
SUMMARY REPORT**

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>CO-7</b>	Operational Review Team Working Group	To enhance the relationship between the control room personnel and NPCC, and to insure a continued understanding and effective implementation of the criteria and guides.	<b>2005 Budget:</b>	\$5,000
			<b>Expense to Date:</b>	\$0
			<b>Completion Date:</b>	December 2005
	<b>Status/ Comments:</b>	The need for a reformulated Working Group is being considered in light of the NERC Blackout 2003 recommendations.		
	<b>NPCC Staff Reference:</b>	<b>Paul Roman TFCO Workplan</b>		

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>CO-8</b>	System Operations Managers Working Group	Provide a forum for the Managers of the NPCC control centers to identify and discuss security concerns in the operation of the interconnected bulk power supply system, and specific concerns related to the integration of operation between and among the evolving ISOs. The System Operations Managers Working Group will also assist the Task Force on Coordination of Operation in their work on issues related to system security and the operation of the ISOs, and provide advice to the TFCO, as requested.	<b>2005 Budget:</b>	\$25,000
			<b>Expense to Date:</b>	\$600
			<b>Completion Date:</b>	December 2005
	<b>Status/ Comments:</b>	The CO-8 Working Group is currently pursuing: 1) the development of operator tutorial DVDs for all NPCC Areas to ensure that each Area operator has a wide-area perspective of the bulk electric system and a basic level of understanding of neighboring Areas; 2) closely following the development and implementation of the NERC Functional Model; 3) overseeing the development of the NPCC OSS facilitated Transaction Checkout process; and, 4) discussing the proper implementation of the NERC Energy Emergency Alert.		
	<b>NPCC Staff Reference:</b>	<b>Jerry Mosier TFCO Workplan</b>		

## NPCC RELIABILITY ASSESSMENT PROGRAM SUMMARY REPORT

Item	Name	Assignment	
C-15	Solar Alert Service	Procedures are established providing for the reporting channels and information available to the operator during solar alerts and suggesting measures that may be taken to mitigate the impact of a solar magnetic disturbance.	<b>Latest Version:</b> March 2003 <b>2005 Budget:</b> \$15,000 <b>Expense to Date:</b> \$0 <b>Frequency of Reviews:</b> 3 Years <b>Next Review Date:</b> March 2006
	<b>Status/ Comments:</b>	The Document had been converted to Reference Document RD-09, but is being re-converted to C-15 without any significant content changes.	
	<b>NPCC Staff:</b>	<b>Jerry Mosier</b>	
	<b>Reference:</b>	<b>TFCO Workplan</b>	

Item	Name	Assignment	
CO-10	Operational Tools Working Group	The Operational Tools Working Group (CO-10) is responsible for taking a lead role in the development of NPCC and NERC operational tools (e.g. electronic tagging, the NERC Interchange Distribution Calculator and electronic scheduling), including hardware, software and integrated systems. The Operational Tools Working Group will define the need for operational tools, evaluate the cost benefits of operational tools, coordinate their implementation within NPCC and coordinate common training in the use of operational tools.	<b>2005 Budget:</b> \$15,000  <b>Expense to Date:</b> \$0 <b>Completion Date:</b> December 2005
	<b>Status/ Comments:</b>	A CO-10/Facilitated Transaction Checkout (FTC) meeting was held February 16-17, 2005. The FTC will be given at the CAISO on March 3, 2005. There is also WECC interest in its application. Present status: 1) FTC is in the ISO-NE control room, available for checkout with the NY; 2) FTC will be deployed in the NYISO with SMD2 implementation in March; 3) in Quebec, FTC is in-service with NY and NE for the hourly and day-ahead markets; and 4) in Ontario, FTC is available for Quebec and NY checkout. CO-10 is also 1) participating in the NERC Real time Best Practices Task Force, addressing follow-up to various Blackout recommendations; 2) Re-working the B-12 and C-12 Documents; and 3) addressing E-Tag security certification and protocol issues.	
	<b>NPCC Staff:</b>	<b>Paul Roman</b>	
	<b>Reference:</b>	<b>TFCO Workplan</b>	

**NPCC RELIABILITY ASSESSMENT PROGRAM  
SUMMARY REPORT**

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>LESPWG</b>	Lake Erie Security Process Working Group	The Lake Erie Security Process Working Group was formed to address the charge stemming from the Northeast Power Coordinating Council Security Process Plan. The Lake Erie Security Process has established Lake Erie line loading relief procedures developed by representatives from Ontario, the New York ISO, the Pennsylvania-New Jersey-Maryland Interconnection Association and the Michigan Electric Coordinated Systems.	<b>2005 Budget:</b>	\$15,000
			<b>Expense to Date:</b>	\$0
			<b>Completion Date:</b>	December 2005
	<b>Status/ Comments:</b>	LESPWG is actively analyzing recent Lake Erie circulation levels and volatility. Power flow data from November 13, 18 and 20, 2004 from all Lake Erie vicinity Reliability Coordinators is being collected and analyzed to try to identify the root causes.		
	<b>NPCC Staff Reference:</b>	<b>Paul Roman TFCO Workplan</b>		

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>CO-13</b>	Available Transfer Capability Working Group	Review the procedures developed by the Regions (or sub-regions) for determining ATC to ensure that the procedures are in concert with the ATC Principles in NERC's June 1996 Available Transfer Capability Definitions and Determination report.	<b>2005 Budget:</b>	\$8,000
			<b>Expense to Date:</b>	\$0
			<b>Completion Date:</b>	December 2005
	<b>Status/ Comments:</b>	The CO-13 Working Group is coordinating with the Mid-West System Operator to pull in TCC-ATC information to the NPCC web-site, and also track and participate in the NERC Long-Term ATC/AFC Task Force proceedings. The Working Group is also finalizing the Regional ATC/TTC Methodology, a document required for compliance with NERC "Version 0" Reliability Standards. A letter from the TFCO to the CO-13 Working Group was issued specifying ATC-TCC web changes to meet OASIS and NERC "Version 0" compliance.		
	<b>NPCC Staff Reference:</b>	<b>Guy Zito TFCO Workplan</b>		

**NPCC RELIABILITY ASSESSMENT PROGRAM  
SUMMARY REPORT**

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>DCWG</b>	Data Collection Working Group	Serve as the electric utility industry's coordinator with the Department of Energy (DOE) and the Energy Information Administration (EIA) in submitting yearly data and in negotiating the requirements for data submission to the EIA.	<b>2005 Budget:</b>	\$5,000
			<b>Expense to Date:</b>	\$0
			<b>Completion Date:</b>	December 2005
	<b>Status/ Comments:</b>	Currently under development is an EIA Form 411 data collection system that will be internet based. The DCWG commented on the proposed expansion of the EIA 411 data collection effort to the OMB (Office of Management and Budget) in October 2004.		
	<b>NPCC Staff:</b>	<b>Guy Zito</b>		

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>Inter-ISO</b>	Inter-ISO Working Group	The Inter-ISO Working Group was formed to address Inter-Regional planning and Inter-Area issues of projects that have "cross border" impacts while providing an open stakeholder forum and committee structure to allow market input.	<b>2005 Budget:</b>	\$5,000
			<b>Expense to Date:</b>	\$0
			<b>Completion Date:</b>	December 2005
	<b>Status/ Comments:</b>	The Working Group has developed a Northeastern Planning Protocol document that outlines how Inter-Regional planning will be done. All NPCC Areas and PJM are involved with the effort. The document is currently in its final stage of execution by NY, New England, and PJM and has been presented to the respective Area's stakeholders. NPCC has developed and is maintaining a website for the effort.		
	<b>NPCC Staff:</b>	<b>Guy Zito</b>		



**NPCC RELIABILITY ASSESSMENT PROGRAM  
SUMMARY REPORT**

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>IRCWG (CO-11)</b>	Inter-Control Area Restoration Coordination Working Group	IRCWG addresses the issue of ensuring appropriate operation of key system restoration facilities and their critical components.	<b>2005 Budget:</b>	\$10,000
			<b>Expense to Date:</b>	\$3,250
			<b>Completion Date:</b>	December 2005
	<b>Status/ Comments:</b>	The report of the Inter-Control Area Restoration Coordination Working Group (CO-11), "Restoration of the NPCC Areas Following the Power System Collapse of August 14, 2003," was approved for release by the RCC at its meeting of July 14, 2004. The IRCWG is currently assisting the NPCC Compliance Monitoring and Assessment Subcommittee in its evaluation of the 2003 trial program of compliance with Section 4.10 of A-03, "Emergency Operation Criteria," which defines the testing requirements for key facilities and critical components associated with restoration. The IRCWG is also working jointly with the CMAS to develop expanded compliance templates to ultimately incorporate these same testing requirements into NPCC Document A-08, "NPCC Reliability Compliance and Enforcement Program."		
	<b>NPCC Staff:</b>	<b>Jerry Mosier</b>		
	<b>Reference:</b>	<b>TFCO Workplan</b>		

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>CO-12</b>	Operations Planning Working Group	Review the overall reliability of the generation and transmission system in the NPCC Region for the Summer and Winter Seasonal conditions.	<b>2005 Budget:</b>	\$15,000
			<b>Expense to Date:</b>	\$1,200
			<b>Completion Date:</b>	December 2005
	<b>Status/ Comments:</b>	CO-12 has resolved the issue of obtaining consistency among NPCC Areas in the reporting of demand and resources for the NERC RAS Seasonal Assessments. The 2005 Summer Assessment is underway. A first draft of the report will be available March 3 <sup>rd</sup> , for discussion at the March 3-4 TFCO meeting. Summary presentation of the results will be presented to at the RCC meeting March 9 <sup>th</sup> .		
	<b>NPCC Staff:</b>	<b>Paul Roman</b>		
	<b>Reference:</b>	<b>TFCO Workplan</b>		

**NPCC RELIABILITY ASSESSMENT PROGRAM  
SUMMARY REPORT**

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>CP- 8</b>	Working Group on Review of Resource and Transmission Adequacy	Review the overall reliability of the NPCC Areas and perform pre-seasonal resource adequacy assessments.	<b>2005 Budget:</b>	\$60,000
			<b>Expense to Date:</b>	\$600
			<b>Completion Date:</b>	December 2005
	<b>Status/ Comments:</b>	The RCC approved the Summer 2005 study scope and schedule at their November, 2004 meeting; the TFCP approved the preliminary assumptions at their January, 18, 2005 meeting. Study is underway and on schedule. Preliminary results are planned to be presented at the March 9 <sup>th</sup> RCC meeting. At the request of New Brunswick, the TFCP asked the CP-8 Working Group to study the impact of the proposed second New England – New Brunswick Tie Line; the results were approved by the TFCP at their February 15, 2005 meeting. The New England 2004 Interim Review of Resource Adequacy, the New York 2004 Interim Review of Resource Adequacy, the Quebec 2004 Interim Review of Resource Adequacy, and the New Brunswick 2004 Review of Resource Adequacy were also approved by the TFCP at their February 15 <sup>th</sup> meeting, and will be presented for the RCC approval March 9 <sup>th</sup> .		
	<b>NPCC Staff Reference:</b>	<b>Phil Fedora TFCP Workplan</b>		

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>CP- 2005</b>	Summer 2005 Multi-Area Probabilistic Reliability Assessment	Assess NPCC Area reliability for the year 2005 by estimating the annual Loss of Load Expectation (LOLE) and projected use of Area Operating Procedures designed to mitigate resource shortages for the summer (May through September) period.	<b>2005 Budget:</b>	\$50,000
			<b>Expense to Date:</b>	\$3,945
			<b>Completion Date:</b>	April 2005
	<b>Status/ Comments:</b>	The RCC approved the study scope and schedule at their November, 2004 meeting; the TFCP approved the preliminary assumptions at their January, 18, 2005 meeting. Study is underway and on schedule.		
	<b>NPCC Staff Reference:</b>	<b>Phil Fedora TFCP Workplan</b>		

**NPCC RELIABILITY ASSESSMENT PROGRAM  
SUMMARY REPORT**

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>CP - TIE</b>	Review of Interconnection Assistance Reliability Benefits	On a consistent basis, estimate the amount of interconnection assistance available to the NPCC Areas for today's system and for the near term (2006).	<b>2005 Budget:</b>	\$25,000
			<b>Expense to Date:</b>	\$11,900
			<b>Completion Date:</b>	December 2005

**Status/ Comments:** At the request of New Brunswick, the TFCP asked the CP-8 Working Group to study the impact of the proposed second New England – New Brunswick Tie Line; results approved by the TFCP at their February 15, 2005 meeting.

**NPCC Staff:** Phil Fedora  
**Reference:** TFCP Workplan

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>CP-9</b>	Review of NERC Reliability Standards Working Group	Review the Standards Authorization Requests and Reliability Standards as well as participate in the NERC process. Educate and inform NPCC Membership of developments.	<b>2005 Budget:</b>	\$25,000
			<b>Expense to Date:</b>	\$6,579
			<b>Completion Date:</b>	December 2005

**Status/ Comments:** The CP-9 Working Group is focusing on the review of the “Version 0” and “Version 1” NERC Reliability Standards (as they are developed) and is developing recommendations for the membership on ballots as they transpire. CP-9 has also commented on increased reporting requirements proposed by the DOE/Energy Information Administration 411 and 860 Forms. CP-9 will also be developing processes to coordinate commenting and participating in adjacent Regions’ criteria development, as well as promoting NPCC criteria in adjacent regions.

**NPCC Staff:** Guy Zito  
**Reference:** TFCP Workplan

**NPCC RELIABILITY ASSESSMENT PROGRAM  
SUMMARY REPORT**

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>RPF (PW)</b>	Regional Planning Forum (PowerWorld)	The objective of the RPF is to explore innovative approaches to enhancing the capabilities of the transmission grid from a Wide-Area, trans-regional outlook.	<b>2005 Budget</b>	\$25,000
			<b>Expense to Date:</b>	\$0
			<b>Completion Date:</b>	December 2005
	<b>Status/ Comments:</b>	PowerWorld Corp. conducted a training session for Simulator version 10 on July 7-8 at NPCC. New York ISO, ISO New England and NPCC staff attended.		
	<b>NPCC Staff Reference:</b>	<b>Phil Fedora TFCP Workplan</b>		

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>CP-11</b>	<i>NPCC Basic Criteria For Design and Operation Of Interconnected Power Systems Review Working Group</i>	This Working Group is charged with the revision of the NPCC Basic Design Criteria Document A-02 and the NPCC Glossary of Terms Document A-07. The review is currently underway and scheduled for submittal to the RCC for approval at their March 2004 meeting.	<b>2005 Budget</b>	\$10,000
			<b>Expense to Date:</b>	\$1,950
			<b>Completion Date:</b>	December 2005
	<b>Status/ Comments:</b>	The Working Group met on November 12 <sup>th</sup> , 2004; December 17 <sup>th</sup> , 2004; January 28 <sup>th</sup> , 2005 and is scheduled to meet again on March 3, 2005. A draft revised definition of Bulk Power System is to be posted to the NPCC Open Process for comment after the March 3 <sup>rd</sup> , 2005 meeting. In addition a draft of the methodology for determining the elements of the NPCC Bulk Power System will be discussed at the March 3 <sup>rd</sup> meeting.		
	<b>NPCC Staff Reference:</b>	<b>Stan Kopman TFCP Workplan</b>		

**NPCC RELIABILITY ASSESSMENT PROGRAM  
SUMMARY REPORT**

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>CP-GLOS</b>	Update NPCC Glossary	Maintain the NPCC Glossary of Terms (Document A-7) and to expand the Glossary to include new terms as necessary.	<b>2005 Budget:</b>	\$5,000
			<b>Expense to Date:</b>	\$0
			<b>Next Review Date:</b>	December 2005
	<b>Status/ Comments:</b>	This activity has been taken over the by CP-11 Working Group. CP-11 will continue to discuss and revise Document A-7, the NPCC Glossary of Terms, with the intention of having it ready for posting to the NPCC Open Process during the second quarter of 2005.		
	<b>NPCC Staff Reference:</b>	<b>Stan Kopman TFCP Workplan</b>		

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>SEDRWG (SP-6)</b>	Synchronized Event Data Reporting Working Group	Investigate the area of synchronized event reporting and make recommendations for improvements to NPCC criteria and other NPCC documents so that NPCC might better be able to quickly establish the sequence of events after any future wide area disturbance.	<b>2005 Budget:</b>	\$12,000
			<b>Expense to Date:</b>	\$650
			<b>Completion Date:</b>	April 2005
	<b>Status/ Comments:</b>	The SEDRWG has completed the major objective of this work. A report was published on February 9, 2005 and will be presented at the March 9, 2005 meeting.		
	<b>NPCC Staff Reference:</b>	<b>Quoc Le TFSP Workplan</b>		

**NPCC RELIABILITY ASSESSMENT PROGRAM  
SUMMARY REPORT**

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>SS-37</b>	Base Case Development Working Group	On an annual basis, develop a library of solved load flow cases and associated dynamic data.	<b>2005 Budget:</b>	\$10,000
			<b>Expense to Date:</b>	\$1,950
			<b>Completion Date:</b>	December 2005
	<b>Status/ Comments:</b>	Year 2004 Base Case Development is complete and Year 2005 development effort is currently underway.		
	<b>NPCC Staff Reference:</b>	<b>Donal Kidney TFSS Workplan</b>		

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>SS-38</b>	Inter-Area Dynamic Analysis Working Group	Assigned to analyze dynamic phenomena, which may affect interconnected system reliability, especially in the area of low frequency oscillations.	<b>2005 Budget:</b>	\$20,000
			<b>Expense to Date:</b>	\$375
			<b>Completion Date:</b>	December 2005
	<b>Status/ Comments:</b>	The implementation of the UFLS Report recommendations are being coordinated by the TFCP. Work on the TFSS Blackout 2003 Study is on-going. SS-38 is conducting a governor response survey. SS-38 will also conduct an assessment of the need for and value of synchronized reserve to satisfy a request made by TFSS by the TFCO.		
	<b>NPCC Staff Reference:</b>	<b>Donal Kidney TFSS Workplan</b>		

**NPCC RELIABILITY ASSESSMENT PROGRAM  
SUMMARY REPORT**

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>TRS</b>	Overall Transmission Reliability Study	Evaluate the need to perform an overall assessment to evaluate the thermal, and dynamic performance of the NPCC Region. If necessary perform this assessment including the calculation of Inter-Area transfer capabilities and Extreme contingency performance.	<b>Latest Version:</b>	May 2002
			<b>2005 Budget:</b>	\$10,000
			<b>Frequency of Reviews:</b>	3 years
			<b>Completion Date:</b>	May 2005
			<b>Expense to Date:</b>	\$0
	<b>Status/ Comments:</b>	The SS-37 Working Group has been assigned to conduct the 2004 Overall Transmission Reliability Study. The Study will simulate contingencies in each of the NPCC Areas plus PJM and ECAR to determine the overall robustness of the system. Currently underway.		
	<b>NPCC Staff:</b>	<b>Donal Kidney</b>		
	<b>Reference:</b>	<b>TFSS Workplan</b>		

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>MEN</b>	MAAC-ECAR-NPCC Working Group	The MEN Operating Studies Working Group, under the direction of the MEN Study Committee, conducts appraisals of the MAAC-ECAR-NPCC (MEN) interconnected systems for expected summer and winter periods.	<b>2005 Budget:</b>	\$10,000
			<b>Expense to Date:</b>	\$300
			<b>Completion Date:</b>	December 2005
	<b>Status/ Comments:</b>	NPCC is conducting the testing for 2005 Summer study.		
	<b>NPCC Staff:</b>	<b>Donal Kidney/Paul Roman</b>		

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>MMWG</b>	Multiregional Modeling Working Group	Develop a library of solved load flow and dynamic simulation models for use by the Regions and their member systems in planning and evaluating future systems and current operating conditions.	<b>2005 Budget:</b>	\$5,000
			<b>Expense to Date:</b>	\$0
			<b>Completion Date:</b>	December 2005
	<b>Status/ Comments:</b>	The MMWG was directed to review and update the existing data release policies for power flow and dynamic data and models. MMWG is assembling twelve load flow models that constitute the 2005 base case library and five dynamics library cases. Development is currently on schedule.		
	<b>NPCC Staff:</b>	<b>Donal Kidney</b>		

**NPCC RELIABILITY ASSESSMENT PROGRAM  
SUMMARY REPORT**

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>TFIST</b>	Task Force on Infrastructure Security and Technology	The mission of the NPCC Task Force on Infrastructure Security and Technology (TFIST) is to advance the Physical and Cyber Security of the electricity infrastructure of Northeastern North America.	<b>2005 Budget:</b>	\$20,000
			<b>Expense to Date:</b>	\$0
			<b>Completion Date:</b>	December 2005
	<b>Status/ Comments:</b>	TFIST sent consensus comments on the Cyber Security standard to the CP-9 Working Group. The Telecommunication Working Group (IST-02) is responding to the TFCO's August 2004 letter requesting improved voice communications during emergencies. TFIST is scheduled to meet March 1-2, 2005.		
	<b>NPCC Staff Reference:</b>	<b>Brian Hogue TFIST Workplan</b>		

<b>Item</b>	<b>Name</b>	<b>Assignment</b>		
<b>IST-1</b>	Infrastructure Security and Technology Working Group	Periodic workshops to address timely issues and update member system personnel associated with the provision of on-line computer systems for operation of the power system.	<b>2005 Budget:</b>	\$5,000
			<b>Expense to Date:</b>	\$0
			<b>Last Workshop:</b>	October 2004
	<b>Status/ Comments:</b>	A well-received and attended Workshop was held on October 26-27, 2004 in Boston, MA. TFIST has not held detailed discussions for this year's Workshop.		
	<b>NPCC Staff Reference:</b>	<b>Brian Hogue TFIST Workplan</b>		