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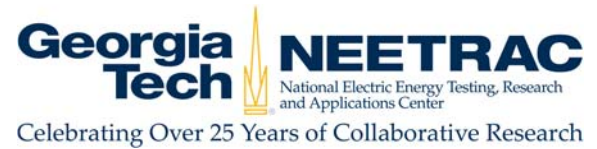
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NEETRAC's 25th Anniversary

On January 2, 1996, NEETRAC was launched with the transfer of the Georgia Power Research



Center to Georgia Tech. By combining the significant laboratory capabilities and highly experienced staff of the Georgia Power Research Center with the substantial resources available throughout Georgia Tech, NEETRAC is able to deliver a broad range of T&D focused research and testing services to its Members. Throughout 2021, we will highlight the many ways in which NEETRAC has grown over the past 25 years, including membership, services, capabilities, and staff! If you have any fun and/or interesting stories from NEETRAC's past, please send them to Suzanne Schmidle (suzanne.schmidle@neetrac.gatech.edu) and you may be featured in a future version of NEETRAC News!

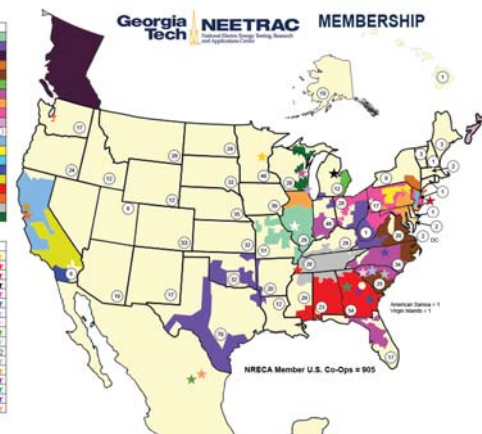
Then and Now

1996 NEETRAC Membership



Utility Members	Manufacturing Members
Commonwealth Edison	Georgia Utility Supply
EPRI	Franklin Ladders
Florida Power & Light	Southern Company
Public Service Electric & Gas	Union Carbide
Southern Company	
Virginia Power	

2021 NEETRAC Membership



Utility Members	Manufacturing Members
American	3M
American Electric Power	Aluma-Force
EC-Indco	Borealis Composites
Consolidated Edison	Dow Chemical Company
Comanche Energy	Edison
DTE	Georgia Utility Supply
Duke Energy	Hubbell Power Systems
Entergy	LS Cable & System
Exton	Proton DE
FirstEnergy	Program Group
Edison Isthmian Power	Raukman Utility Products
NRCA Member Corps	S&C Electric
Pacific Gas & Electric	Smart Wires
PG&E Corporation	Southern States
Public Service Electric & Gas	Southern
San Diego Gas & Electric	TI Connectivity
Southern California Edison	Varalite
Southern Company	
Tennessee Power	
Tennessee Valley Authority	
WEC Energy Group	

Baseline Projects Recently Launched

NEETRAC launched the following Baseline project proposals presented during the September 2020 Management Board Meeting. If you would like to serve as an advisor for any of these projects, please email suzanne.schmidle@neetrac.gatech.edu and indicate which project interests you.

Strategic Plan - Technology

Baseline Project Number 20-134

PI: Nigel Hampton, nigel.hampton@neetrac.gatech.edu

The electric energy delivery industry is changing and evolving. NEETRAC needs to understand and address the effects of that evolution on Member needs while maintaining our testing and applied research identity. In this project, NEETRAC will work closely with the TAs to develop a comprehensive strategic plan that addresses the needs of our Members across all project types and aligns them with NEETRAC's present and future skills and capabilities. NEETRAC will distribute to Members a strategic plan on technology fields to represent our focus in the near and mid-term, which will include a testing and research capabilities matrix and a projection of required personnel and infrastructure.

Understanding the IEEE Entity Standards Development Process - Monitoring, Influencing, Educating

Baseline Project Number 20-156

PI: Joe Goldenburg, joe.goldenburg@neetrac.gatech.edu

IEEE Standards Association has two standards development processes. Under the first method, with which most NEETRAC Members are familiar, standards are sponsored by IEEE professional societies. Under the second method, called entity sponsorship, corporations sponsor standards. The entity method bypasses the deep technical reviews common to professional society sponsorship. This NEETRAC project intends to monitor the status of entity standards and inform the NEETRAC membership of their status.

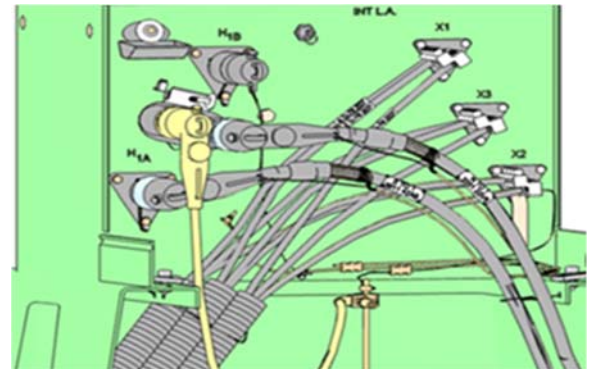


Developing Insights into Cable System Worker Safety Challenges

Baseline Project Number 20-164

PI: Anil Poda, anil.poda@neetrac.gatech.edu

This project supports the development and simulation of worker conditions during repair work on de-energized cable systems. Nearby circuits have the potential to cause ground fault potential rises that will lead to hazardous situations for the workers that believe the temporary grounds are providing full protection. A risk matrix will be developed to help utilities understand their exposure and potential mitigation solutions will be explored.



Baseline Project Recently Completed

The following Baseline project closeout was presented at the September 2020 Management Board Meeting. The report will be finalized and distributed to eligible Members in the coming months.



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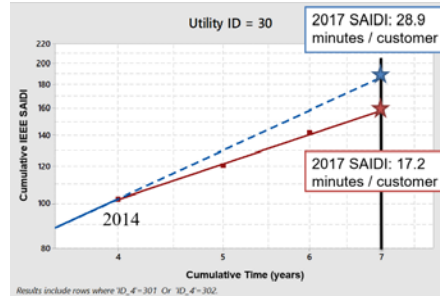
Fax: 404-675-1885

www.neetrac.gatech.edu

Analysis and Benchmarking Methods for Standard Reliability Indices

Baseline Project Number 17-048

Reliability Indices such as SAIDI and SAIFI describe the electric service reliability at distribution level. These indices are important to utilities and are often reported to public commissions. The data is also reported to IEEE groups and US Energy Information Administration (EIA). Indices define many reliability goals and utilities benchmark their performance against peer utilities. The first part of the Closeout for this project developed approaches for:



- 1) determining typical achievements (table)
- 2) performing robust long term trending of reliability
- 3) quantify improvements (figure)
- 4) predict likely future results.

The curated public data sets / posters / Executive Summaries are available to Members from the

	Year on Year Change		
	Best 25%	Median	Worst 25%
SAIDI (mins)	-16	+0.3	+14
SAIFI	-0.14	-0.01	+0.11

project webpage. Part II of the Closeout was provided at the January 2021 Meeting (see Newsletter 73).

Management Board Meetings

The next three Management Board meetings have been scheduled for the following dates:

May 19 - 20, 2021 (virtual)

September 22 - 23, 2021

January 26 - 27, 2022

For details, please visit the Member Section of the NEETRAC website at www.neetrac.gatech.edu.

2020/2021 NEETRAC Member Management Board Representatives

- | | | | |
|---------------------------------|---------------------|--|---------------------|
| 1. 3M..... | Mark Hoisington | 19. NRECA..... | Reed Cooper |
| 2. Alumaform..... | Pete Landsgaard | 20. Pacific Gas & Electric..... | Marlon Viduya |
| 3. Ameren..... | James Huss | 21. PPL Corporation..... | Jean Blanc |
| 4. American Electric Power..... | Jim Salerno | 22. Prolec GE..... | Carlos Gaytan |
| 5. BC Hydro..... | Fred Dennert | 23. Prysmian Group..... | Bill Temple |
| 6. Borealis Compounds, Inc..... | Susan Song | 24. Public Service Electric & Gas..... | Ed Gray |
| 7. Consolidated Edison..... | Frank Doherty | 25. Rauckman Utility Products..... | Jim Rauckman |
| 8. Dominion Energy..... | Liz Sullivan | 26. S&C Electric..... | Marshall Mauney |
| 9. Dow Chemical Company..... | Brent Richardson | 27. San Diego Gas & Electric..... | Christian Henderson |
| 10. DTE Energy..... | Naera Haghnazarian | 28. Smart Wires..... | Haroon Inam |
| 11. Duke Energy..... | Chris Fletcher | 29. Southern California Edison..... | Alan Kasanow |
| 12. Eaton..... | Alan Yerges | 30. Southern Company..... | Michael Pearman |
| 13. Exelon..... | Lisa Perrone | 31. Southern States, LLC..... | Joe Rostron |
| 14. FirstEnergy..... | Randy Coleman | 32. Southwire Company..... | Sherif Kamel |
| 15. Gresco Utility Supply..... | Brad Schafer | 33. Tacoma Power..... | Joe Rempe |
| 16. Hubbell Power Systems..... | Charles Worthington | 34. TE Connectivity..... | Brian Ayres |
| 17. LS Cable & System..... | Tim West | 35. TVA..... | Sam Delay |
| 18. Nova Scotia Power..... | Jim McFadgen | 36. Viakable..... | Raul Garcia |
| | | 37. WEC Energy Group..... | Michael Smalley |