

CONNECTICUT DISTRIBUTED GENERATION TECHNICAL WORKING GROUP

Meeting Minutes

Tuesday, June 22, 2021

9:00 AM – 12:00 PM

**9:00 AM – 9:05 AM Introduction and Adoption of Meeting Minutes**

Attendees:

* Andy Mayshar, Con Ed Clean Energy Business
* Jean-Paul LaMarche, Clean Focus (Greenskies)
* Carl Nowiszewski, Eversource
* David A Ferrante, Eversource
* Mark Kirschbaum, UI
* Joseph Folz, UI
* Joseph Marranca, UI
* Brad Marszalkowski, ISO NE
* Russell King, CIEC
* Joseph Debs, Eversource
* Elder Romero, UI
* Tim Young
* Erik Anderson
* Steve Broyer
* Michael DiPanfilo
* Rodney Galton
* Mike Trahan
* Chris Lobdell
* Ion Balan
* Brian Murtha

Facilitators:

* Zak Alexander, PURA, Zachary.Alexander@ct.gov
* Lauren Bergman, PURA, Lauren.Bergman@ct.gov

**9:05 AM – 9:45 AM EDC Presentations on Screens**

* Joint Eversource/UI Presentation
* First Screen – compare transformer rating to generating capacity
	+ Fail if transformer cannot handle additional load
* Second Screen – shared secondary, not to exceed 20 kVA
	+ Usually fail due to long distance
* Third Screen – not to exceed 4 kW for single phase inverter connection
* Fourth Screen – load flow analysis, not to exceed +/- 5% of voltage
	+ Was changed from 3% to 5%
* For distance issue, Eversource and UI still working on screen
	+ Depends on type of cable
	+ Higher voltage needed for longer distances
	+ Usually an issue in rural areas
	+ Helpful to have information from developers on distance from DER to road
* Looking to simplify screens for DERs 25-200 kW
	+ Using hosting capacity maps
* Hosting capacity based on load flow, does not include short circuit analysis
* For >200 kW, automation is more difficult, impact study required
* New Screen – time domain study
	+ Flag risk of islanding and transient over voltage
* When screens fail, change inverter settings or use surge arrestor
* Many transformers are 25K
	+ Seek to align DER with transformers
* Outstanding Questions
	+ What to do if project fails screens? What upgrades are needed?
	+ What are costs and needs for funding? Ratepayer dollars or application fees?

**9:45 AM – 10:30 AM Follow Up on IEEE-1547 2018 and MA Adoption**

* MA report has 1547 interim guidelines, developed with ISO-NE
	+ Contains ride through settings
* Need to specify types of inverters needed
	+ Waiting on inverter manufacturers for certification
* Eversource ready to adopt MA document as is
* UI still reviewing document
* Once document is finalized, resume discussion and present to PURA

**10:30 AM – 12:00 PM** **Discussion of DER Location**

* Issues:
	+ Moving development closer to load
	+ Affordable land vs distance to load centers
* SMART program in MA used to incentivize certain locations
	+ Administered by third-party
	+ Adders for different types of land uses
	+ No geographic restrictions – incentivized by land use, did not push for projects in specific area
* Need buy-in from DEEP and PURA
* General process to explore:
	+ Explore issues/reasons for disconnect between development and load
	+ Identify best practices to incentivize development
	+ Discuss technical solutions
* Also a policy discussion – need to identify policy reasons for disconnect

**12:00 PM – 1:00 PM Discuss Docket 17-12-03re06 requirement that applicants provide proof of lease/ownership contemporaneously with interconnection application.**

* New Matters/Open Discussion
* Issue of agreements between land owner and developer
	+ There is risk involved in leasing/owning without option to install DER
* Form considered for use with interconnection application to provide proof of lease/ownership
* UI sister utilities in NY use agreement
	+ Not required for under 50 kW
	+ Site control required over 50 kW
* All in agreement to require site control agreement form
	+ to be submitted along with interconnection application
	+ Not required for residential applications
* Next Steps:
	+ Create draft form, based on NY Standard Site Control Form (Zak to draft)
	+ Circulate, collect feedback, update draft form
	+ Submit to Authority