

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](mailto:Zachary.Alexander@ct.gov)
* Lauren Bergman, PURA, [Lauren.Bergman@ct.gov](mailto: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