**MWG Meeting Summary Notes**

**December 19, 2024, 8:30 - 10:40 (11:00 scheduled)**



1. Anti-Trust Admonition was reviewed by MWG chair Michael B. of CenterPoint
2. Reviewed previous MWG notes from 11/20/24. If any comments or changes, please get with Michael B or Kyle S.
3. SMOGRR028 Discussion:
* Brian C. of CenterPoint explained suggested CNP edits to SMOGRR language.
	+ Introduction Item 1: Language edits to not limit compensation to specific high and/or low voltage billing/metering point(s).
	+ Introduction Item 5: How series reactor Cu and Var losses would be calculated.
	+ Introduction Item 6: addressed ‘direction’ of losses and expected compensation for recorded values.
	+ Renumbered Section 8 based on insertions/deletions.
	+ Specific date was removed from table with calculation sheet.
	+ Updated reactance formula (Ohms=2\*pi\*f\*Henry’s) formula on Calculation Sheet to get actual reactance value; assumption was that value provided by manufacturer would be in Henry (H) and conversion to Ohms was necessary in calculations
* Kyle S. asked about which values are used in meter programming.
	+ Percent Cu and percent Vars loss coefficients are what are inputted into meter for compensation.
* Kyle S. advised SMOGRR language should include the Series Reactor Owners obligation to provide TDSP the relevant series reactor data for the TDSP to calculate and compensate the meter.
	+ Brian C. suggested language to be included in item 6 of Introduction. Additionally, he noted the concept of asking owner to provide values necessary for compensating the meter can be extended to all loss compensated equipment.
* Calvin O. of ERCOT suggested revising SMOGRR028 during meeting to incorporate stakeholder feedback. A draft edit of the SMOGRR was created during the meeting to incorporate changes that represented consensus from MWG stakeholders.
	+ Joel D., Brian C. and other stakeholders provided edits for a new paragraph added to the Introduction section to convey Owners of devices requiring compensation providing the TDSP of relevant data to calculate and program applicable losses into the meter.
* Celeste S. - brought up issue of getting information from Resource Owners in a timely manner.
	+ Raymond C. voiced TDSP’s should not be held to be out of compliance if device owner does not provide data for losses.
	+ Edits made to Paragraph 6 of Introduction to adding language that losses will be calculated once data is made available to the TDSP.
* Britney A. - Recommend against the use of parentheticals in the SMOGRR language.
	+ Paragraphs 5 and 6 were recommended to remove parentheticals.
		- Changed paragraph 5 to state: percent watts copper loss and percent Vars copper loss.
		- Rewrote Paragraph 6 to specify between Resource and TDSP, and which compensation is expected whether lower or raising load/generation values.
* Celeste S. questioned if the losses of series reactors were significant enough given the accuracy ratings of the metering equipment and she voiced concern adding a compensation requirement could introduce opportunities for errors?
	+ Donald M. explained the .00001% rule for meters.
* Calvin O – Submit draft language and edit as MWG comments.
	+ - **Action Item:** Brittney A. will add updated language/comments to the MWG meeting webpage and distributed to the MeteringSubcommittee email list. Request for members to review drafted language and follow up with any comments/suggestions.
* Isay Z. went over WSL scenarios A-D
	+ Was agreed that scenarios A and D (showing VTs on the battery side of current limiting reactors) would not require loss compensation. Scenarios B and C (showing VTs on the bus side of the current limiting reactors) would require loss compensation.
	+ Calvin O mentioned ERCOTs Meter Engineering department could provide the stakeholders with documentation on applications loss compensation would/wouldn’t be required based.
1. New or other business items:
* Annie from Tesla: Appendix D
	+ Thoughts on having yearly attestations on system level versus site specific level for sites with telemetered aux load.
	+ OEMS can go through yearly certification, annual verifications with 3rd party tester. Screenshots would match the annual meter form.
	+ ISO New England being certified on the CEC website and TDSPs can check that their equipment is being certified against this.
		- Annie mentioned Tesla may make a formal request of this consideration via the NPRR/SMOGRR process.
1. Meeting Summary and Closing Remarks: Michael B.
* Michael will be stepping down as Chair; will be serving in role until next WMS meeting on 1/8/25.
* Chair role will be open; please contact Michael B. and Kyle S. for any interest.
* Discussed and created MWG edit ofSMOGRR028 and elaborated applications where Series Reactor Loss compensation is necessary.
1. End of Meeting