



March 27, 2025

Nicholas Ritts
Engineering Manager
National Grid
300 Erie Boulevard West
Syracuse, NY 13202

SENT VIA ELECTRONIC MAIL

Dear Mr. Ritts:

By letter dated December 4, 2024, National Grid requested “similarity approval”¹ of the RITZ DCDW Extended Range Current Transformer (RITZ DCDW ERCT) to be used in electric metering applications in New York State. National Grid is seeking approval of the RITZ DCDW ERCT based on its similarity to the previously approved RITZ DCDW Current Transformer (RITZ DCDW).² Department of Public Service staff (Staff) has determined that the RITZ DCDW ERCT shall be approved via similarity.

Both the RITZ DCDW ERCT and RITZ DCDW are window type current transformers designed for use in revenue grade billing applications. The RITZ DCDW ERCT is an extended range current transformer whereas the previously approved RITZ DCDW is a standard range current transformer. Extended range current transformers accurately measure a wider range of current without the need to make physical changes to the primary or secondary connections. The RITZ DCDW ERCT is constructed in the same manner with improvements to the core winding distribution which helps eliminate losses and is of similar design to the previously approved RITZ DCDW. Additionally, the RITZ DCDW ERCT meets the requirements of the International Electrical and Electronic Engineers (IEEE) Standard Requirements for Instrument Transformers, specifically IEEE 57.13. National Grid states it intends to purchase and use the RITZ DCDW ERCT in revenue metering applications if approved.

Public Service Commission (Commission) regulation 16 NYCRR §93.4 allows for Staff to approve metering devices with minor differences from a previously approved metering device of the same type (similarity approval) where “*minor variations in mechanical construction which are not of such character as to affect the electrical operation.*” Furthermore, Staff shall be notified of the specific changes to a previously approved metering device and reserves the right to make the final determination.

In accordance with the provisions of 16 NYCRR §93, Staff reviewed National Grid’s application along with a sample of the RITZ DCDW ERCT and test reports. Staff directed

¹ See, 16 NYCRR 93.4.

² Case 11-E-0303, Petition of Ritz Instrument Transformers, Inc. for Approval of Ritz 600V Instrument Transformer Line for Revenue Metering Purposes within the State of New York., (order issued December 20, 2011).

Similarity Approval: RITZ DCDW Extended Range Current Transformer

National Grid personnel to conduct additional accuracy and functionality testing on the RITZ DCDW ERCT. Staff witnessed this testing at the National Grid Electric Meter Shop on February 4, 2025, which included a sample of IEEE 57.13 tests. Staff found that the RITZ DCDW ERCT met the minimum requirements set by Commission standards. Furthermore, based on the results of tests witnessed by Staff, and those performed by National Grid Engineering personnel, the RITZ DCDW ERCT meets the requirements of 16 NYCRR Part 93 and IEEE 57.13

Staff has determined that the differences between the previously approved RITZ DCDW and the RITZ DCDW ERCT are insignificant and do not warrant the additional process required for approval by the Commission. Consequently, the RITZ DCDW ERCT shall be approved via similarity. The RITZ DCDW ERCT is therefore approved for use in electric metering applications in New York State. A copy of this letter will be filed in Case 11-E-0303. If you have any questions regarding this matter, please do not hesitate to contact me by email at Steven.Cornick@dps.ny.gov, or by telephone at (518) 265-2129.

Sincerely,

A handwritten signature in black ink, appearing to read "Steve Cornick", with a horizontal line drawn underneath the signature.

Steve Cornick
Utility Consumer Program Specialist 3
Office of Consumer Services

e-cc: Cody Doyle (National Grid)
Ryan Geiger (National Grid)
Johanna Miller, Chief, Consumer Advocacy