4300 GENERAL PROVISIONS

4300.1 This Chapter implements the Energy Efficiency Standards Act of 2007, and governs the purchase of Liquid-Immersed Distribution Transformers. This rulemaking shall be cited as the "District of Columbia LIDT Purchasing Rules".

AUTHORITY: D.C. Official Code § 34-802

SOURCE: Final Rulemaking published at 55 DCR 11319 (October 31, 2008), incorporating by reference the text of Proposed Rulemaking published at 55 DCR 9740-9743 (September 12, 2008).

4301 PURCHASE OF LIQUID-IMMERSED DISTRIBUTION TRANSFORMERS

4301.1 This regulation applies to the electric utility that provides electric distribution service to the District of Columbia.

4301.2 After January 1, 2009, and subject to reasonable commercial availability, the electric utility shall purchase liquid-immersed distribution transformers using the life-cycle cost methodology specified in Section 2, Efficiency Evaluation for Electric Utilities of NEMA Standards Publication TP 1-2002.

4301.3 Evaluation of Distribution Transformer Models:

(a) Within each capacity class or type of liquid-immersed distribution transformers, a reasonable number of commercially available models shall be evaluated and, except as provided in paragraph (b), the model in each such class or type with the lowest total owning costs as determined by the life-cycle cost methodology shall be selected for the purchase.

(b) If a utility is soliciting bids to supply multiple capacity classes or types of liquid-immersed distribution transformers under a single contract, models offered by a supplier in more than one capacity class or type may be combined for purposes of life-cycle cost evaluation, provided that the aggregation of models offered by a single supplier in such combined classes or types with the lowest total owning cost as determined by the life-cycle cost methodology conducted prior to contract award shall be selected for purchase.

(c) For purposes of this evaluation, all values for load losses and no-load losses shall be determined through the methods specified in the "Uniform Test Method for Measuring the Energy Consumption of Distribution Transformers," Appendix A to Subpart K of 10 CFR, Part 431, as amended, which is incorporated by reference.

(d) For purposes of this evaluation, estimated values of energy and capacity shall be based upon the most current year available at the time of any bid solicitation. Nothing in this regulation shall require a utility to purchase any liquid-immersed distribution transformer that fails to meet federal energy efficiency standards specified in 10 CFR Part 431, as amended, which is incorporated by reference.

4301.4 After January 1, 2010, and subject to reasonable commercial availability, the electric utility shall purchase liquid-immersed distribution transformers that meet or exceed the energy efficiency standards specified in the Department of Energy's ("DOE") final rules in Part 431 of Title 10 of the Code of Federal Regulations.

SOURCE: Final Rulemaking published at 55 DCR 11319 (October 31, 2008), incorporating by reference the text of Proposed Rulemaking published at 55 DCR 9740-9743 (September 12, 2008).

4302 INFORMATION TO BE FILED WITH THE COMMISSION

4302.1 On or before May 1 of each year, the electric utility shall file a report entitled "Distribution Transformer Report" which demonstrates whether the utility complied with the Energy Standards Act of 2007. The report shall include:

(a) The number of models of transformers in each capacity class or type that were evaluated during the reporting period;

(b) The avoided cost of generation and transmission energy and capacity used in the life-cycle cost analysis; and

(c) The estimated savings in energy and capacity resulting from the purchase of transformers in the year, compared with minimally efficient distribution transformers of the same capacity, class or type.

SOURCE: Final Rulemaking published at 55 DCR 11319 (October 31, 2008), incorporating by reference the text of Proposed Rulemaking published at 55 DCR 9740-9743 (September 12, 2008);

4303 WAIVER

4303.1 The Commission may upon request, or on its own initiative after notice to the parties of its intention do so, waive any provision of this chapter for good cause.

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SOURCE: Final Rulemaking published at 55 DCR 11319 (October 31, 2008), incorporating by reference the text of Proposed Rulemaking published at 55 DCR 9740-9743 (September 12, 2008); Final Rulemaking published at 67 DCR 011091 (September 18, 2020).

4304 DEFINITIONS

4304.1 When used in this rulemaking, the following terms and phrases shall have the following meaning:

Commission – means the Public Service Commission of the District of Columbia.

Electric Utility – means the company that provides electric distribution service and is regulated by the Public Service Commission of the District of Columbia.

Liquid-immersed distribution transformer – means a transformer that has an input voltage of 34,500 volts or less, an output voltage of 600 volts or less, uses oil or other liquid as a coolant, and is rated for operation at a frequency of 60 Hertz.

Minimally efficient distribution transformer, **–** for reporting purposes of this chapter, shall mean:

(a) For transformers purchased before January, 2010, a transformer meeting the minimum efficiency specification established in Table 4-1 of NEMA Standards Publication TP 1-2002, which is incorporated by reference; and

(b) For transformers purchased on or after January 1, 2010, a transformer meeting the minimum efficiency standard established in 10 CFR Part 431, as amended, which is incorporated by reference.

Transformer – means a device consisting of two or more coils of insulated wire that is designed to transfer alternating current by electromagnetic induction from one coil to another to change the original voltage or current value.

SOURCE: Final Rulemaking published at 55 DCR 11319 (October 31, 2008), incorporating by reference the text of Proposed Rulemaking published at 55 DCR 9740-9743 (September 12, 2008).