



SPONSOR: Sen. Simpson & Rep. Baumbach
Sens. Ennis, Hocker, Lopez, McDowell, Walsh; Reps.
Keeley, Wilson

DELAWARE STATE SENATE
149th GENERAL ASSEMBLY

SENATE BILL NO. 152

AN ACT TO AMEND TITLE 26 OF THE DELAWARE CODE RELATING TO GENERATING SYSTEMS WITH THE
NEW SAE ELECTRIC SAFETY STANDARD.

1 WHEREAS, the current Delaware Code limits EV interconnection by omitting the industry safety standard for
2 EVs that provide power from their batteries;

3 WHEREAS, the standard specifically created by the Society of Automotive Engineers (SAE) referred to as "SAE
4 J3072" was not available when the original legislative amendment was passed in 2009; and

5 WHEREAS, the original amendment also did not consistently use the terms "grid-integrated electric vehicle" and
6 "customer" as they were used elsewhere in Section 1014, Chapter 10, Title 26 of the Delaware Code; and

7 WHEREAS, the Institute of Electrical and Electronic Engineers standard "IEEE1547" is also fully included by
8 reference in the corresponding standards of UL, which was formerly known as "Underwriters Laboratories," and of the
9 Society of Automotive Engineers.

10 NOW, THEREFORE:

11 BE IT ENACTED BY THE GENERAL ASSEMBLY OF THE STATE OF DELAWARE:

12 Section 1. Amend § 1014, Title 26 of the Delaware Code by making deletions as shown by strikethrough and
13 insertions as shown by underline as follows:

14 § 1014. Public purpose programs and consumer education.

15 (e) The rules and regulations promulgated for net energy metering by the Commission, municipal electric
16 companies, and electric cooperatives during any period of exemption under § 223 of this title shall:

17 (5) Require that all generating systems and grid-integrated electric vehicles used by eligible customer-
18 ~~generators-customers~~ shall meet all applicable safety and performance standards established by the National Electrical
19 Code; and either the Institute of Electrical and Electronic Engineers, ~~and Underwriters Laboratories-UL,~~ or the Society
20 of Automotive Engineers to ensure that net metering customers meet applicable safety and performance standards and
21 comply with the electric supplier's interconnection tariffs and operating guidelines. An electric supplier's
22 interconnection rules shall be developed by using as a guide the Interstate Renewable Energy Council's Model
23 Interconnection Rules and best practices identified by the U.S. Department of Energy. Municipal electric companies

24 shall establish interconnection rules no later than July 24, 2008. Electric suppliers shall not require eligible net-
25 metering customers who meet all applicable safety and performance standards to install excessive controls, perform or
26 pay for unnecessary tests, or purchase excessive liability insurance.

SYNOPSIS

This Act would facilitate EV and grid-integrated electric vehicle interconnection by including the Society of Automotive Engineers industrial safety standard, J3072, which sets safety requirements for EVs that provide power from their batteries back to the electric grid.

Author: Senator Simpson