

Testimony regarding LCO No. 3920

In line 17, replace the words "which may include" with the word "including".

In line 24 after the words "general statutes" add:

In particular, for the reliability of the distribution grid the yearly objective is $(Tcah - Tcoh) / Tcah > 99.9\%$ (where Tcah is total customer available hours and Tcoh is total customer outage hours). To provide for calculating reliability, each electric utility shall create and maintain a free, publicly available, historical, online database listing: (1) all outages in the state lasting more than one hour (2) the number and location of affected customers (3) the cause of the outage (4) the time required to restore power to each affected customer location.

Note that this is not a database of current outages, which already exists, but a historical record of outages with the additional essential information of cause and length of restoration time.

This database will provide legislators and regulators the information needed to: (1) assess the resilience of the distribution grid, (2) aid in development of regulatory policy based on data, and (3) provide a quantitative measure of the efficacy of policy mandates enacted to improve grid resilience as measured by reliability.

On a yearly basis, each publicly traded electric utility (or parent) will incur a fine for distribution grid reliability $< 99.9\%$ in the amount of $(\%99.9 - \text{yearly reliability}) \times (\text{market capitalization})$ which will be returned to the customers as a monthly credit on each of the next year's 12 bills. This credit will be identified on the bill as POOR PERFORMANCE CREDIT. This penalty is in addition to any other penalty required by this statute.

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