PJM Load Adjustment Public Document

FirstEnergy's methodology for load adjustments to be incorporated into the load forecast begins with the Economic Development team who works through leads on potential new customer growth opportunities within the service territory. As the lead progresses, the customer accounts team works with the potential customers to plan for new or changing future load expectations. Planning and protection may simultaneously begin the detailed load study process and signed agreements begin commencing. The prospective customer works with the customer account team and the customer account team provides the load forecasting team with a preliminary load forecast – both energy and demand – on a monthly or seasonal basis. The load forecasting team then vets the most highly probable potential load impacts determining if they will be included in the internal load forecast. During the process, they review economic variables of the area, historical actuals, and other variables to determine if the potential load impact may be being picked up in the econometric model process already. In instances where potential load may be coming offline, this process would begin with the customer accounts team informing the load forecasting group of potential significant load loss. In a similar manner, the load forecasting group would determine if any of the variables are picking up the potential load loss. If, in either instance, the load addition or load loss is determined to not be already picked up by the model, the adjustment is exogenously layered into the forecast.

In 2023, FirstEnergy had one load adjustment accepted and incorporated into the PJM load forecast. In the APS Zone, the prospective data center growth at the Quantum Loophole Frederick site anticipates 5 new customer sites with a combined load ramping up 800 MW by mid-2027. Long term growth of 3,000 MW by 2033 is expected. Significant investment has been and continues to be made by these customers for necessary transmission upgrades to handle this new load.