

Supporting Information – PSC - Q27

RE: The companies' tracking ambient derates in GADS

LG&E and KU follow the NERC guidelines for reporting GADS information into the NERC database. The instructions state that ambient related losses should not be reported. As such, the companies do not enter ambient related derates into the database. However, if ambient conditions cause a specific issue with the generating unit that requires a derate, that derate is entered into the GADS database with the appropriate cause code related to the specific issue.

The following sections from the NERC GADS Reporting Instructions are provided as support:

Section III Event Reporting, Page III-12 - "Do not report deratings caused by ambient-related conditions or system dispatch requirements "

Section III Event Reporting, Page III-13

Notes on Reporting Deratings

Ambient-related Losses

Do not report ambient-related losses, such as those caused by high cooling water intake temperatures (other than regulatory-imposed discharge limits — cause code 9660, etc.), as derating events to GADS. There are two reasons for this: first, the level of record keeping required to track these types of losses as events is excessive; second, ambient related losses are easily computed using the information you supply to GADS on the performance report, specifically maximum capacity and dependable capacity. The difference between these two values reflects losses due to ambient conditions only. To determine ambient losses in megawatt hours (MWh), simply multiply the difference between maximum capacity and dependable capacity by the total number of hours in the study period.

System Dispatch Requirements

Sometimes units operate at less than full capacity for reasons other than ambient-related conditions or equipment failures. This operating mode, imposed by system dispatch requirements, is referred to as "load following." Load following is not reported to GADS. That information is not relevant to unit availability and is therefore beyond the scope of the GADS program. – NERC GADS manual Section III
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