Reliability Reporting Inquiry Workshop

UE-190027

March 21, 2019
9:30 – 12:00

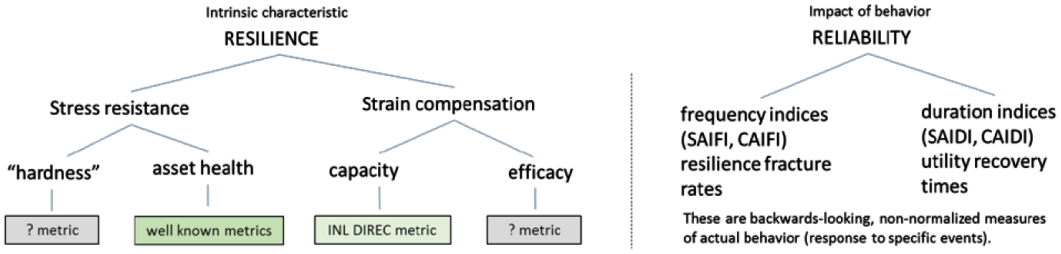
This meeting is designed to foster conversations between interested stakeholders to address reliability reporting, discuss the findings of the staff inquiry, comment on Commission staff's recommendations to improve electric service reliability reporting, and consider the relationship between aggregate benchmarking and investment planning.

In particular, Staff is looking for input regarding the structure (rules, policy statements, or other means) needed to effect these topics

I. Introductions

II. Reliability Reporting and Benchmarking

a) Defining Reliability and Resilience



From PNNL: Electric Grid Resilience and Reliability for Grid Architecture report (see attached)

i. Differences between power quality, resource adequacy, customer service metrics, and backward looking measures.

ii. New capabilities of the distribution system – *How do technological changes enhance or affect these definitions?*

iii. Boundaries between bulk transmission and distribution system – *Line is becoming increasingly blurred with distributed generation, micro-grids, etc.*

iv. Failure of backward looking measures – *SAIDI/SAIFI are poor measures through time and aggregate situational data that does not lend itself to objective comparison..*

b) Quantitative Measures & Performance Incentives – *What should form the foundation of these measures? Can performance measures be identified? How can these measures be used more generally by the commission and stakeholders?*

c) Asset Management – *How can asset management measures be used as a reliability and resiliency metrics? Is there a way to aggregate these measures? How do they relate to part (b)? How can ISO 55002 be used to address these overall issues?*

III. Utility Risks

a) Overall Risk Assessment (Critical infrastructure Security, Emergency Management, Fuel Supply Risk) – *What other elements should be included in a utility wide risk assessment? How can these assessments be used to inform other aspects of regulation?*

IV. Other Issues

a) Service Quality Indices – *How should consumer focused metrics be reported? What is their relation to reliability? Do these belong in a separate reporting structure?*

b) Outage Classification – *How do we improve outage classification metrics?*

c) Vegetation Management – *To what degree should the review of vegetation management programs be a budgeting versus an operational review?*

V. Investment Planning

a) Existing Planning Schemes – *What relationship does investment planning have to reliability measures, distribution planning, and IRP's in general? How does capital budgeting affect these?*

b) Budgeting Exercises – *Can the utilities provide more detail on the capital budgeting process? What information is available that would be useful for regulators and stakeholders?*

c) Reliability Measures and Performance Incentives – *How can investment planning show the impact of reliability measures? How are performance metrics (and their incentives) related to capital expenditures?*

VI. Pilot Programs

a) Pilot Program Incentives – *What is needed to encourage utilities to engage in pilot programs or other demonstrations projects to test the value of emerging technology?*

b) Cost recovery – *What restrictions should be in place to prevent abuse of a pilot program structure?*