

Issue Risk Assessment 2009 Ranking Submittal

Background

As agreed at the Planning Committee (PC) meeting in June, 2009, PC members were to rank issues, provided by its Subcommittees to support the Long-Term Reliability Assessment (LTRA), develop scenarios, and identify potential PC activities for the coming years.

In support of this effort, the PC has approved 14 issues¹, based on input from NERC staff and the Reliability Assessment Subcommittee.²

Emerging Issues:

- a. Economic Downturn – Demand Uncertainty
- b. Economic Downturn – Demand Response and Energy Efficiency
- c. Economic Downturn – Rapid Demand Growth after Flat Period
- d. Economic Downturn – Infrastructure Impacts
- e. Smart Grid and AMI
- f. Transmission Siting
- g. Energy Storage
- h. Workforce Issues
- i. Cyber Security

Standing Issues (related to ongoing committee subgroup work):

- j. Variable Generation – Transmission [Integration of Variable Generation Task Force]
- k. Variable Generation – Ancillary Services [Integration of Variable Generation Task Force]
- l. Variable Generation – Operational Issues [Integration of Variable Generation Task Force]
- m. Greenhouse Gas Legislation [Reliability Impacts of Climate Change Initiatives Task Force]
- n. Reactive Power – [Transmission Issues Subcommittee]

¹ Templates for these issues are provided in Attachment A.

² During the June 9-10 PC meeting, the Committee reviewed and approved 14 issues for subsequent risk assessment by the committee with the requirement that issues that are already being addressed by a committee subgroup not be labeled as “emerging issues” and that the 2009 LTRA material addressing such issues provide summaries only, with references to existing committee subgroup work. Accordingly, issues addressed by ongoing committee subgroups shall be called “standing issues.”

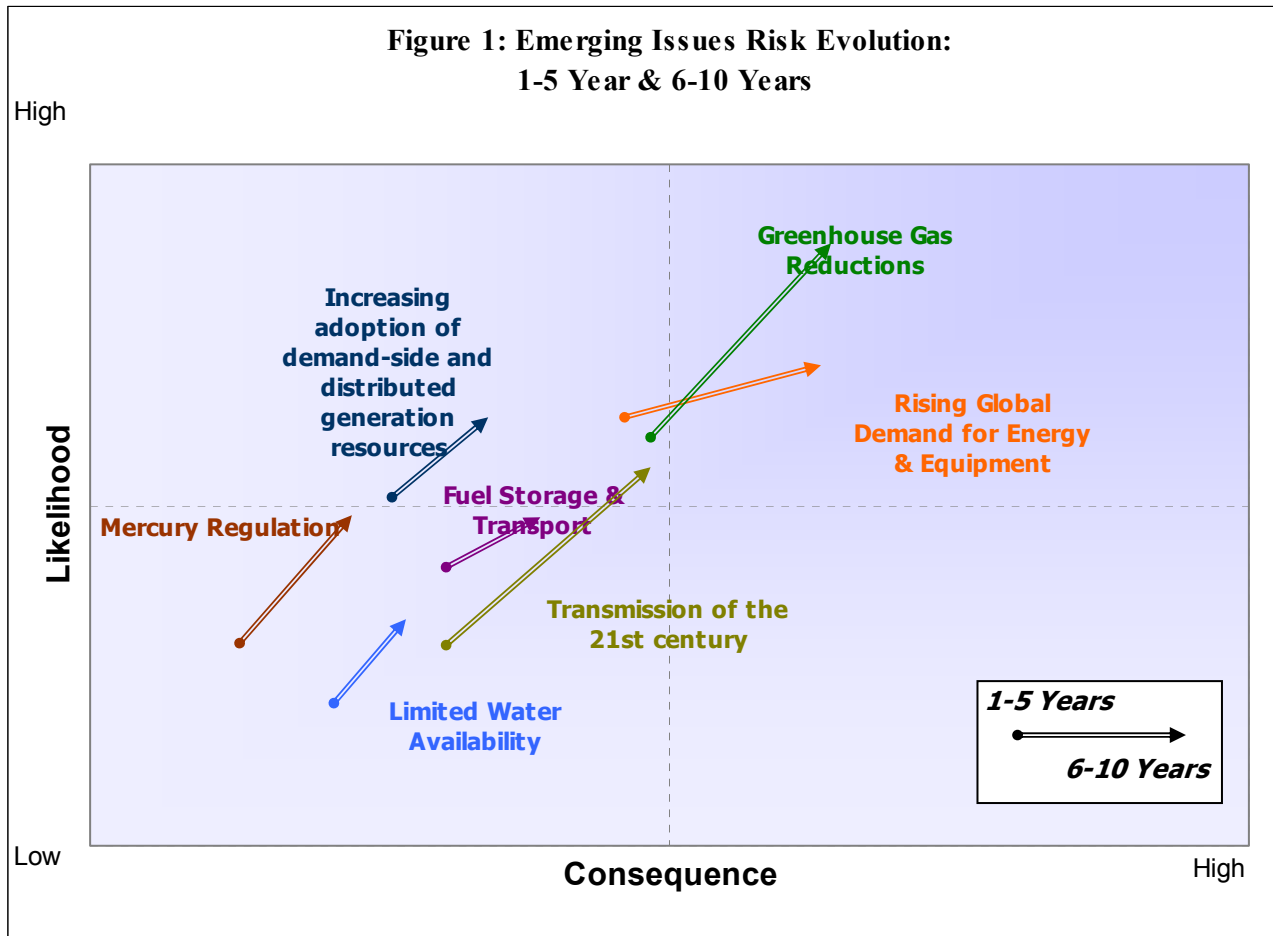
The PC members are to prioritize the resulting emerging issues using a risk assessment matrix and, if desired, will select potential scenario(s) or future study. A section is provided below for additional comments on the issues and on the emerging issue template and risk assessment ranking process (including this document).

Issue Ranking Schedule

Send the ranking template to the PC members	6/26
PC members return completed template to NERC Staff (aaron.bennett@nerc.net)	7/17
RAS documents issue ranking in the 2009 LTRA	8/26
PC reviews LTRA, Risk Assessment and recommendations	9/1-15

2008 Emerging Issue Ranking

Figure 1 below represents the outcome of the 2008 Emerging Issue Risk Assessment and is provided from the 2008 LTRA for reference.



Planning Committee Issue Risk Assessment

Reliability Impact Ranking:

This ranking is designed to gather information on your view of the impact on bulk power system reliability of each of the emerging issues below along with your RANKING of their LIKELIHOOD and CONSEQUENCE.

INDIVIDUAL RESPONSES WILL BE KEPT CONFIDENTIAL.

What do you believe is the LIKELIHOOD of occurrence and how Severe the CONSEQUENCE would be on bulk power reliability for each of the following?

Please place an “X” in the boxes below to indicate H (High), M (Medium), or L (Low) for each issue, each “1-5 Years” and “6-10 Years” period, and both Likelihood and Consequence. (For a total of four “X”s per issue.)

Table 1: Emerging Issues	Likelihood						Consequence					
	1-5 Years			6-10 Years			1-5 Years			6-10 Years		
	H	M	L	H	M	L	H	M	L	H	M	L
a. Economic Downturn – Demand Uncertainty												
b. Economic Downturn – Demand Response and Energy Efficiency												
c. Economic Downturn – Rapid Demand Growth after Flat Period												
d. Economic Downturn – Infrastructure Impacts												
e. Smart Grid and AMI												
f. Transmission Siting												
g. Energy Storage												
h. Workforce Issues												
i. Cyber Security.												

Table 2: Standing Issues	Likelihood						Consequence					
	1-5 Years			6-10 Years			1-5 Years			6-10 Years		
	H	M	L	H	M	L	H	M	L	H	M	L
j. Variable Generation – Transmission												
k. Variable Generation – Ancillary Services												
l. Variable Generation – Operational Issues												
m. Greenhouse Gas Legislation												
n. Reactive Power												

Additionally, Table 3 is provided below for any user identified issues not addressed by the 14 issues presented in Tables 1 and 2.

Ranking – User Identified (OPTIONAL)

Table 3: User Identified Issues	Likelihood						Consequence					
	1-5 Years			6-10 Years			1-5 Years			6-10 Years		
	H	M	L	H	M	L	H	M	L	H	M	L
o.												
p.												
q.												
r.												
s.												
t.												

Comments (Optional):

Comments on Issues (a, b, c...) from Tables 1, 2, or 3:

Issue	Comments

Comments on emerging issue template and risk assessment ranking process:

(Please attach additional sheets as necessary for comments.)