

## Reliability Issues Risk Assessment 2011 Ranking Submittal

### Background

As agreed at the Planning Committee (PC) meeting in June 2011, 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 six (6) issues<sup>1</sup>, based on input from NERC staff and the Reliability Assessment Subcommittee.<sup>2</sup>

Identified Reliability Issues that could impact the Bulk Power System:

- a. *Environmental Regulations*
- b. *Integration of Variable Resources (Operational)*
- c. *Modeling*
- d. *Increased Gas Generation to Support Variable Generation*
- e. *Critical Infrastructure Protection*
- f. *Integration of Variable Resources (Planning Perspective)*

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<sup>1</sup> Templates for these issues are provided in Attachment A.

<sup>2</sup> During the June 7-8, 2011 PC meeting, the Committee reviewed and approved six(6) 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 2011 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.”

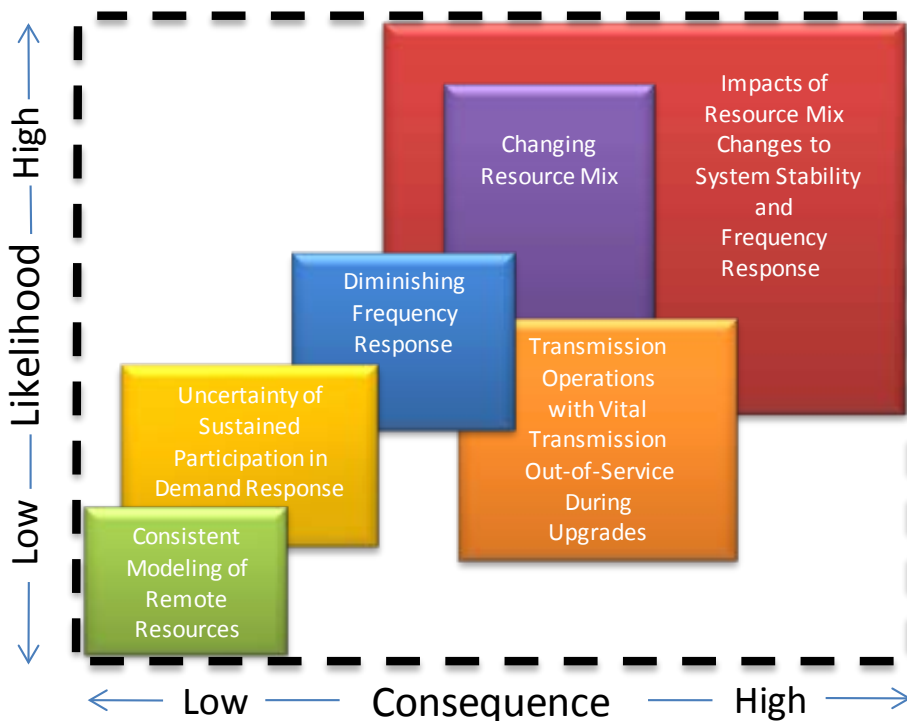
The PC members are to prioritize the resulting emerging issues using a risk assessment matrix and, if desired, will select potential scenario(s) or future study. A section is provided below for additional comments on the issues and on the emerging issue template and risk assessment ranking process (including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

### Issue Ranking Schedule

Send the ranking template to the PC members	7/5
PC members return completed template to NERC Staff ( <a href="mailto:eric.rollison@nerc.net">eric.rollison@nerc.net</a> )	7/20
RAS documents issue ranking in the 2011 LTRA	8/26
PC reviews LTRA, Risk Assessment and recommendations	9/1-15

### 2010 Emerging Issue Ranking

Figure 1 below represents the outcome of the 2010 Emerging Issue Risk Assessment and is provided from the 2010 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. Environmental Regulations												
b. Integration of Variable Resources (Operational)												
c. Modeling												
d. Increased Gas Generation to Support Variable Generation												
e. Critical Infrastructure Protection												
f. Integration of Variable Resources (Planning Perspective)												

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

**Ranking – User Identified (OPTIONAL)**

Table 2: 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 or 2:

Issue	Comments

Comments on emerging issue template and risk assessment ranking process:

(Please attach additional sheets as necessary for comments.)