

Planning for Disaster



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In the power industry, responding to the damage caused by earthquakes, hurricanes, floods or other disasters, while rare, is a distinct possibility. Where a disaster occurs, there is little preparation or time to act and usually the demand for energy increases. During natural disasters, the decision of electricity companies over how to deal with implications need a number of factors to be taken into consideration.

To help focus a strategic approach to dealing with disasters, Cigre undertook a major study of a number of disaster events worldwide and shared information. We studied the following disasters: Japan.

- New Zealand Christchurch Earthquake, 2011
- Haiti Earthquake, 2010
- Brazil Earthquake, 2011
- Canada Ice Storm, 1998
- Australia Queensland Floods, 2010, 2011
- China Ice Storm, 2008
- Australia Queensland Bushfires, 2009
- United States Hurricane Sandy, 2012
- India Bushfires, 2011

A number of trends and common themes presented below are identified from these case studies and disaster responses. In addition, related best practice for the power sector, have been identified and shared. These themes are the focus for this note, have been developed to assist strategic disaster responses have used in different circumstances and for the following:

- **Disaster Response to Differed:** The response to a disaster will vary from country to country and is highly dependent on relevant regulatory and disaster response organisations. Generally, it is essential to prepare a handbook or detailed plan for a major disaster. While disaster events, despite physical differences, it is an underlying principle that organisations can benefit from developing their skills or capabilities in response to such events. There are a range of ways to improve the management system or other traditional processes for crisis-response events. However, strong business continuity practices and processes are still critical.

- **Disaster is Different:** Disaster Preparedness for the Worst: While disaster events may be classified as 'high unlikely' and typically outside the general ambit of probability, the associated risk cannot be ignored. It is essential to consider the possibility of such low-probability, high-impact crises and to prepare well-thought-out disaster response measures to cater for a worst case scenario, even if the likelihood is low.
- **People Management:** Mobilisation of a workforce and knowledge, experience, expertise, operational resources and capabilities is essential. The time response of some individuals could provide only be possible in a coordinated and well-organised manner. The focus of the 'top-down' workforce, the 'horizontal' focus and 'bottom-up' focus. There are more skilled and experienced disaster response. These resources highlight the need for strong business success and management processes, which can be activated rapidly for providing the tools for multi-management or make timely decisions during crises.
- **Policy Implications:** The response system impacted on and impact response, has also been focused on policy implications concerning a detailed governance and framework for critical crisis response and political, financial and other implications. Business disaster response can be considered as the implications of disaster on society capacity. While a particular disaster may not necessarily have any direct implications for other sectors, industry and other organisations should still respond to the study of disaster response to a disaster event. Crisis has limited focus. This could include focus on response that can be easily used that facilitate in achieving their stated aim.
- **Operational activities and Psychological Implications:** Strategic management of the latest and most 'cutting-edge' information of the Cigre Technical Committee with the Chinese Government publishing its high-level operational disaster response strategy and operational approach. In the power sector, there are 1000s of power plants and other power generation facilities. The power industry has a long history and has a long tradition of disaster response. While governmental disaster and emergency response is a critical area, there are a number of key elements around the theme of—

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