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## **Extending API RP 754: Challenges and Insights from Applying Process Safety Classifications to Gas Networks and Power Assets**

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### **ABSTRACT**

API Recommended Practice 754 is traditionally used within the Refining and Petrochemical Industries to indicate process safety performance. At APA, we classify process safety incidents for our gas transmission assets and have now extended this practice to our Gas Networks and Power assets.

The application of this recommended practice to these other asset types has presented some challenges, including how to apply the classification criteria in community settings, defining what is made safe, and applying loss of containment criteria to energy events.

Similarly, we have faced challenges in investigations and extracting key learnings from incidents, such as third-party damages to our Gas Networks.

This abstract encapsulates our journey of applying process safety classifications to these operations, emphasizing the challenges, alignment efforts, and valuable insights gained.

### **KEY WORDS**

*Process safety event classification, API RP 754*

### **BIOGRAPHY**

Belinda Howard is the Process Safety Improvement Team Lead at APA and is a Professional Process Safety Engineer with experience working in both industry and for Government. Somnang Sovann is the Process Safety Systems Team Lead at APA with background in Electrical and Electronics Engineering and working predominantly in energy.

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