Assessment of Natural Gas Potential – Eastern Canada Offshore

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Assessments of undiscovered gas potential in Canada's sedimentary basins have been completed recently by the Canadian Gas Potential Committee using public domain data, technical judgment, statistical analyses and a comprehensive peer review process.

The Eastern Canada Assessment Region consists of four Play Groups; Maritime, Nova Scotia, Newfoundland and Labrador. The Scotian Basin (Nova Scotia Play Group) extends from the Yarmouth Arch to the Avalon Uplift. The basin is subdivided into eight sub-basinal areas related to structural elements, depositional features and play types. Five were assessed, two established plays (Sable, Panuke Segment of the Jurassic Bank Edge) and three conceptual plays (Orpheus Graben, Abenaki Sub-Basin, South Whale Sub-Basin). The remaining three conceptual plays were described and ranked; LaHave Platform, Acadia Segment of the Jurassic Bank Edge and the Deep Water Slope.

The Grand Banks Play Group includes the conceptual and established exploration plays in Mesozoic and younger beds on the Grand Banks northeast of the South Whale Sub-Basin. Three exploration plays were defined; the established Egret Petroleum System, the assessed conceptual Orphan Basin and the Iroquois-Eurydice Petroleum System.

The Labrador Play Group includes the established Precambrian structural play, drape structures over volcanic basement and two conceptual plays.

The East Coast offshore contains a currently defined gas-in-place endowment of 66 Tcf with large areas of conceptual plays not yet quantified, particularly the Deep Water Slope.