



ASX / MEDIA ANNOUNCEMENT

2 DECEMBER 2019

BRAZIL CNG COMMERCIALISATION PLAN COMMENCES

KEY HIGHLIGHTS:

- **Completion of high-level technical and economic analysis highlights the commercial benefits of using CNG Optimum to transport associated gas from select offshore Brazil oil fields to onshore markets.**
- **CNG Commercialisation Study now commenced on an in-development oil field located in the offshore Brazilian Pre-Salt.**
- **GEV's goal is to secure long-term contracts in the Brazilian Pre-salt (Campos and Santos Basins) using CNG Optimum ships for the transportation of associated gas to onshore markets.**
- **The objective and outcome of the study is to validate that the CNG opportunity displays suitable technical viability and commercial value to each participant.**
- **GEV anticipates that technical and commercial analysis will progress to enable a Financial Investment Decision & awarding contracts in the later part of 2020.**
- **First oil and gas production from the selected Brazilian oil field is expected in late 2023 via a Floating Production, Storage and Offloading vessel, designed for up to 8.5 million m³ (300MMscf) of natural gas per day.**
- **GEV is targeting completion of the CNG Commercialisation study at the end of March 2020.**

Global Energy Ventures Ltd (ASX: **GEV**, the **Company**), the leading developer of global integrated marine compressed natural gas (**CNG**) projects, is pleased to update shareholders on the Company's business development activities in Brazil, with confirmation GEV has commenced a CNG Commercialisation Study of an offshore in-development oil field located in the Brazilian Pre-salt¹ (see Figure 1).

The commencement of the Commercialisation Study follows the successful completion of a high-level technical and economic analysis using the CNG Optimum ship to transport gas from the in-development Pre-Salt field to onshore markets.

The selected in-development oil field with associated gas is situated in the Santos Basin, Brazil, approximately 200km from Rio de Janeiro and 350 km from Brazil's largest city, Sao Paulo. First oil and gas production is expected in late 2023 via a Floating Production, Storage and Offloading (FPSO) vessel, designed for up to 8.5 million m³ (300MMscf) of natural gas per day. A Financial Investment Decision and awarding of contracts is scheduled for the later part of 2020.

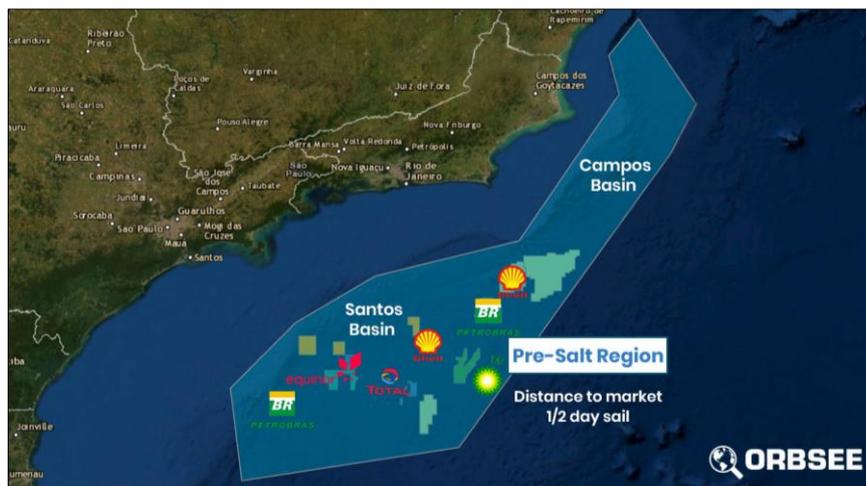


Figure 1: The selected field is located in the Santos Basin of the Brazilian Pre-Salt within close proximity to Rio de Janeiro & São Paulo gas markets.

¹Brazilian Pre-Salt: Geological formation (reservoir) located below a layer of salt. Also used to describe the prolific oil and gas region in which Santos and Campos Basins are located.



The objective of the CNG Commercialisation Study is to validate the CNG opportunity confirms suitable technical viability and commercial value to each party.

GEV has defined the scope of work and will target completion by the end of March 2020. The work undertaken will be delivered to the selected Brazilian oil field operator.

The Company expects that on completion of the commercialisation study GEV will work towards a Heads of Agreement and binding commercial terms.

Executive Director & Chief Development Officer Garry Triglavcanin commented: “Brazil represents a wonderful opportunity for GEV’s Optimum CNG ships. Whilst the country is currently reinjecting 1 Bcf of gas each day, equivalent to five CNG Optimum ships, the amount of gas to be reinjected is expected to increase more than 3 times as new oilfield projects are developed in the Brazilian Pre-Salt. It is beneficial for all stakeholders to monetise associated-gas and displace imported LNG, which is subject to international pricing”

Executive Chairman & CEO Maurice Brand added: “GEV’s management team has been working for over 12 months on Brazil to position the Company to offer the best technical and commercial solution to commercialise the abundance of gas and assist in the energy development options for Brazil.”

GEV commenced due diligence on the potential for CNG transport in Brazil which lead to GEV appointing GAIA Importação e Exportação Ltda. (GAIA) as its Country Associate in July 2019. Since that time, GEV and GAIA have identified several CNG opportunities for gas supply from producing oil fields that are reinjecting their associated gas production and several proposed new oil field developments, including this field, where the base case development plan considers gas reinjection.

The basic premise is that as the offshore operator is required to install compression onboard the FPSO for the purpose of gas reinjection, the same compression facilities could be used to enable the loading of CNG ships for transportation of the gas to markets.

There are significant benefits of evacuating and commercialising gas via a marine CNG solution, including:

- Management of the performance of the oil and gas reservoir;
- Potential to reduce the capital spend on gas reinjection;
- Gas sales revenue, due to an accelerated gas development timeline;
- There is a ready market for imported gas; and
- Reduced environmental impacts & permitting compared to other alternatives.

To progress the number of CNG project opportunities in Brazil, GEV’s Project Manager Luke Velterop, will reside in Rio de Janeiro on a full-time basis as of January 2020 and will be supported by the Company’s technical team based in Calgary, commercial team based in Perth and Hong Kong, as well as our strategic partners that include CIMC Raffles, CIMC Enric and resources within the CIMC Group.



Figure 2: GEV’s scope of work includes a Submerged Turret Loading system, a fleet of CNG ships and CNG Import & Unloading Facilities



OFFSHORE TECHNOLOGY CONFERENCE IN RIO DE JANEIRO

GEV recently participated in the bi-annual Offshore Technology Conference (OTC) in Rio de Janeiro from 29 to 31 October. During the conference, GEV was delighted with the response to its CNG Optimum Model which clearly showed the design and unique way in which the installed pipes are held together in each ship.

The OTC conference reinforced GEV's view that there is a significant opportunity for GEV to enhance domestic gas utilization by using CNG Optimum ships to transport the Brazil Pre-Salt gas basin to high demand and growing gas markets.



Figure 3: GEV and GAIA at OTC with the CNG Optimum model in Rio de Janeiro, October 29–31, 2019. Rafael Bodanese (GAIA), Maurice Brand (GEV CEO), Luiz Bodanese (GAIA) Luke Velterop (GEV).

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ABOUT GLOBAL ENERGY VENTURES LTD

The Company's mission is to create shareholder value through the delivery of integrated CNG solutions to global gas markets. CNG is a well proven solution with design and commercial advantages along with being safe and environmentally friendly. This will be achieved by:

- Continue the roll out of **GEV CNG Optimum ship** and maintaining global leadership in marine CNG design;
- Pursue **multiple CNG projects** to improve the probability of success;
- Secure **access to strategic gas resources** that provides for an integrated CNG gas supply solution;
- Offer CNG project stakeholders **flexible commercial arrangements**;
- Employ **world class management** and staff that are leaders in their chosen discipline; and
- Maintain the **highest standards** of efficiency, safety and environmental responsibility.

FORWARD LOOKING STATEMENTS

This announcement may contain forward looking statements that are subject to risk factors associated with the gas and energy industry. The expectations reflected in these statements are currently considered reasonably based, but they may be affected by a range of variables that could cause actual results or trends to differ materially, including but not limited to : price and currency fluctuations, the ability to obtain reliable gas supply, gas reserve estimates, the ability to locate markets for CNG, fluctuations in gas and CNG prices, project site latent conditions, approvals and cost estimates, development progress, operating results, legislative, fiscal and regulatory developments, economic and financial markets conditions, including availability of financing . All references to dollars, cents or \$ in this document is a reference to AUD Dollars, unless otherwise stated. Investors should make and rely upon their own enquiries before deciding to acquire or deal in the Company's securities.

DISCLOSURE

This ASX Announcement was authorised on 2 December 2019 by Maurice Brand, Executive Chairman & CEO.