

20 August 2018 ASX: IGE

# **Construction to Commence on US Facility**

- IGES's US business partners to begin drawdown of debt funding in week beginning 1 October 2018;
- Recycling facility to provide all feedstock requirements for a 1,500 tonne per day waste plastics to fuel facility.

## IGES's US partner to commence recycling plant construction

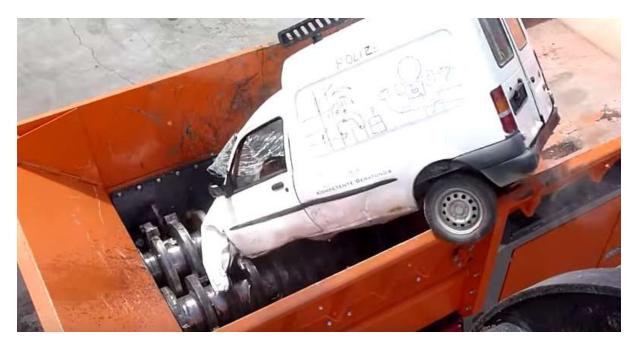
Integrated Green Energy Solutions Ltd's ("IGES" or "the Company") US business partners, GEP Fuel and Energy Indiana, LLC ("GEP"), will soon commence the drawdown of debt funds secured for the construction of their plastics recycling centre to be constructed in Camden, Indiana, United States.



The proposed site is ideally located centrally between 3 major US cities, Chicago, Indianapolis and Detroit.

This recycling centre will process automobile shredder residue ("**ASR**"). ASR is produced from the shredding of automobiles in a process where a hammermill acts as a giant tree chipper by grinding the materials fed into it to fist-size pieces. The shredding of automobiles results in a mixture of ferrous metal, non-ferrous metal (e.g. alloys of copper and aluminium) and shredder waste, called automotive shredder residue or automobile shredder residue. ASR consists of glass, fibre, rubber, automobile liquids, plastics and dirt.

Motor vehicles are an example of complex end-of-life products. A motor vehicle comprises some 10,000 parts and about 40 different materials. By comparison, in the 1990s a mid-sized vehicle still comprised up to 70% steel and iron materials. Today, however, the trend is towards greater use of lightweight materials such as aluminium alloys and polymers (plastics).



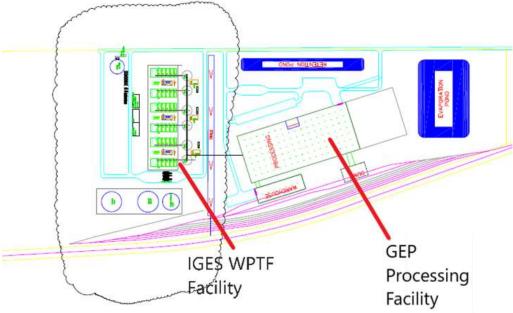
The plastics component of the ASR is a very good match with the specifications of the plastics required in the IGES waste plastics to fuel ("**WPTF**") feedstock.

# **Integrated Green Partners, LLC:**

The IGES and GEP US trading entity is Integrated Green Partners, LLC ("**IGP**"). Each partner has a 50% ownership stake in the joint venture, with IGES having management control.

The plastic to be produced from the GEP recycling facility will be used to supply the plastic feedstock requirements of the IGP WPTF facility.

The IGP WPTF facility will be constructed adjacent to the GEP recycling centre in Camden Indiana.

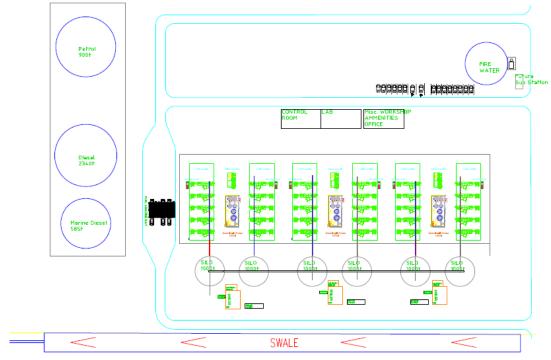


The processing facility and WPTF plant will be located on adjacent blocks

The initial IGP WPTF facility will be constructed to process 1,500 tonne per day of waste plastics. This plant is projected to produce over 500 million litres of road ready diesel and petrol at a forecast EBITDA of \$0.30 a litre. Also, under the terms of the joint venture, IGES will be paid to construct 30 modules, each capable of converting 50 tonnes per day of ASR from GEP's facility.

Construction is anticipated to commence second quarter next year and it is then anticipated to take 14 months to fuel production.

Design and planning of the site is already well progressed, and once operational GEP will meet all feedstock requirements for the plant. This is the first of 10 such facilities planned between IGES and GEP under the terms of the joint venture utilising ASR as the feedstock.



Design drawings of the WPTF facility, showing 30 modules each capable of producing over 500 million litres of road ready fuel per year

## **About IGES**

IGES is a company focussed on converting waste plastic that is destined for landfill or discarded into the environment, into valuable road ready fuels. The company has a patented waste plastic to fuels process that results in output that meets the EN590 standard. The company believes that utilising its technology will inevitably reduce the amount of plastic entering the environment. It will also help to create circular economies, serving to provide a cleaner planet for the next generation while bringing value to shareholders.

#### FOR FURTHER INFORMATION CONTACT:

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