



## TGE 2018 SUSTAINABILITY

REDUCE



REUSE



RECYCLE

## **REDUCING THE ENVIRONMENTAL IMPACT OF TGE 2018**

For 2018, TGE introduced a number of measures to reduce or mitigate the CO2e emissions associated with this year's festival:

### **Energy**

- Generators ran on hydro-treated-vegetable oil (HVO), a biofuel that produces considerably less NOx, CO, HC & PMs
- Hybrid power generators (battery inverter systems) were used in place of diesel generators to manage base loads
- Hybrid tower lights were deployed, reducing diesel consumption by 83%
- LED lighting fixtures were deployed wherever possible to reduce energy consumption
- Where sync'ed generators were required, these were configured in a by load demand configuration to reduce fuel consumption & associated CO2e emissions
- Wherever possible, grid power was used to reduce the total number of generators required
- A post event report on kWh production versus litres of fuel consumed & associated emissions will be produced by the festival power provider SMART Power

### **Waste**

- Bins with signage were used in BOH bar areas for onsite segregation of waste\*
- Disposable plastic glassware was replaced with compostable cups from [www.biopac.co.uk](http://www.biopac.co.uk). These are made from starch and take 12 weeks to breakdown completely unlike conventional plastic that can take up to 400 years
- Single use plastic water bottles for crew & volunteers were replaced with reusable water bottles
- Plastic straws were banned from the TGE festival bars and all other licensed venues used during TGE were encouraged to do the same
- Litter pickers on site on the beach and streets throughout the duration of the event ensuring a clean event site at all times
- Customers were encouraged not to take their litter offsite by security, stewards and clear signage

\*due to the lack of general waste collections from City Clean the waste collections had to be merged towards the end due to lack of bins.



