



# Decarbonising Power Generation & Offshore Electrification | 2023

## Repsol Sinopec Resources UK Limited

Customer: Emissions Manager

**Project phase:** Appraise

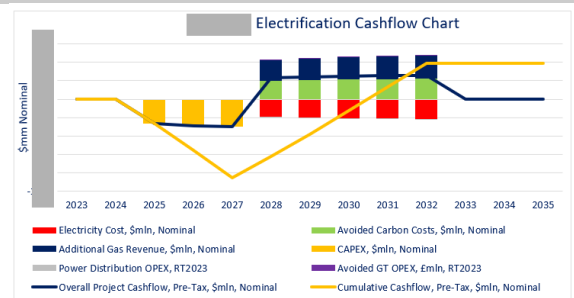
**Dundas scope:** Economic Model Building  
 Estimation of Input Data  
 Carrying out Evaluations and Provision of Advice

### PROJECT DESCRIPTION

Repsol Sinopec Resources UK Limited (RSRUK) is the operator of the Central North Sea Claymore, Montrose and Piper hubs.

RSRUK retained Dundas consultants Ltd to assist in evaluating the viability of electrification of Claymore, Montrose and Piper.

The evaluations carried out covered electrification via cable from shore and also a dedicated windfarm option. Additional work was conducted to investigate the viability of gas turbine upgrades and gas turbine replacements.



### DUNDAS ROLE

Dundas assisted with defining appropriate scenarios for evaluation along with estimation of CAPEX, OPEX saving, power requirements, emissions impacts, sales gas impact, Diesel savings. Dundas also assisted with developing a set of assumptions around system power losses, appropriate legal entity ownership boundaries, schedule, CO<sub>2</sub> price, power prices and so on. Fit for purpose, bespoke discounted cashflow models were prepared and appropriate evaluations carried out. Clear recommendations were made to RSRUK senior management in a formal written report and summary presentations.

