Secondary O&G fields:
- Sand capacity within (MtCO₂) is a function of the number of sands within the immediate vicinity of the injection unit.

Injection Rate at Well:
- Size of sands within the industry is determined by the carbon capture Sand Depletion Rate.
- Rate of sands, the number of sands per field and Field Depletion Rate is generally 40+ years.

Brine Processing Equipment:
- Capacity of nearby fields also provides limitations to the wellhead (MtCO₂/time).

Wellhead:
- New wellhead installation cost is a function of the site change frequency, the value of drillships, water depth, well self-propulsion capabilities and the unit lifespan.

On-Site power generation needs (MW):
- Installed generator capacity are needed during installation and are determined by the size of the unit, onboard installed generator capacity and the operating sea state.

Generator:
- Fuel costs ($$$/time) are a function of the rate of new required onsite CO₂ storage and the capacity of the transport vessel.

Dynamic Positioning (Y/N):
- Generator is determined by the injection unit and the condition of the transport vessel.

Installation Costs:
- Equipment CAPEX ($$$) is determined by the quantity of carbon sources transported, the cargo capacity of transport vessels and the arrival variability (Ca).

Dockside Power:
- Equipment CAPEX ($$$) depends on the available equipment, and is a variable that can be optimized around 20-25% of the vessel over its lifetime.

Docked to Provide:
- General Acquisition ($$$) depends on the available equipment, and is a variable that can be optimized around 20-25% of the vessel over its lifetime.

Average CO₂ Transport:
- On-Site power generation needs (MW) are determined by available equipment size and the location of fuel costs ($$$/time).

Vessel Expenses:
- Station Time (time) is a function of the number of new wells, the type of vessel, engine type and the number of service loads, and is an input constant around 20-25% of the vessel over its lifetime.

Onloading:
- Maintenance costs, onloading and the arrival variability (Ca), vessel size and the location are the space and required capacity of the transport vessel.

Dockside Power:
- Economic or Characteristic is determined by the location and impact the capacity of the transport vessel.

Storage:
- General Acquisition ($$$) is an input constant around 20-25% of the vessel over its lifetime.

Fuel Type:
- Economic or Characteristic is determined by the location and impact the capacity of the transport vessel.

Installation:
- On-Site power generation needs (MW) are determined by the size of the unit, onboard installed generator capacity and the operating sea state.

Required Capacity:
- Economic or Characteristic is determined by the location and impact the capacity of the transport vessel.

Transport:
- On-Site power generation needs (MW) are determined by the size of the unit, onboard installed generator capacity and the operating sea state.

Vessel:
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