

Risco Carbono - Como superar o desafio? Iniciativas e planos

Thiago MESQUITA

September 2022



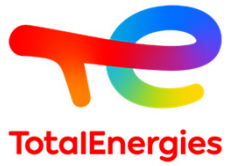
X WORKSHOP
DE SEGURANÇA
OPERACIONAL E
MEIO AMBIENTE



EVENTO EM PARCERIA

Promoção e Organização:





01.

TotalEnergies ambitions towards climate change

Energy is reinventing itself, so are we



TotalEnergies' purpose is to supply more affordable, more available and cleaner energy to as many people as possible



Getting to Net Zero worldwide by 2050 together with society

Ambitions _____ 2030 objectives vs 2015 _____

Net Zero worldwide on operated activities
(Scope 1+2)



Net emissions on operated oil and gas facilities

-40%

Net Zero worldwide for indirect emissions⁽¹⁾
(Scope 3)



Scope 3 worldwide emissions

2030 < 2015

Carbon intensity ⁽²⁾
(Scope 1+2+3)

> -20%

⁽¹⁾ Related to the use by our customers of energy products sold for end-use
⁽²⁾ Average carbon intensity of energy products used by our customers worldwide



02.

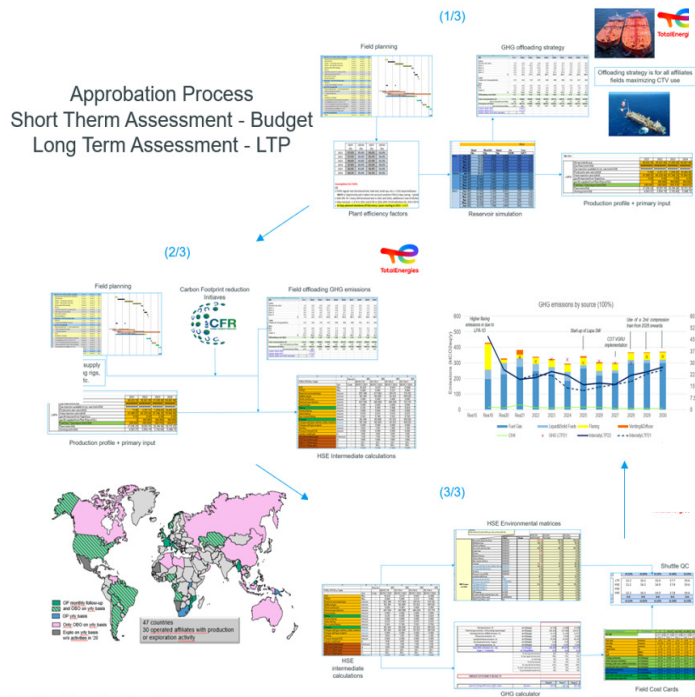
TotalEnergies Carbon Cost Assessment – Projects Strategy

Energy is reinventing itself, so are we



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Carbon Cost Assessment Process



Investment criteria for new hydrocarbon projects ensuring sustainability of the portfolio

Criteria

Assessing major investments considering Paris Agreement objectives

→ Profitability evaluated with:

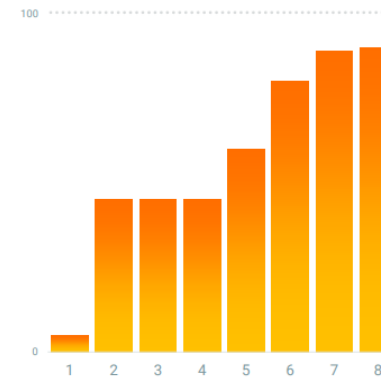
- Brent at 50 \$/b and HH at 2.5 \$/Mbtu
- 40 \$/t carbon price and 100 \$₃₀/t from 2030
- New assumption: 100 \$₂₂/t carbon price from 2023 🆕 New

→ Restricted to low-cost and low-emission projects:

- Capex+Opex < 20 \$/boe, or after-tax breakeven < 30 \$/boe
- Lower GHG emission intensity than portfolio average

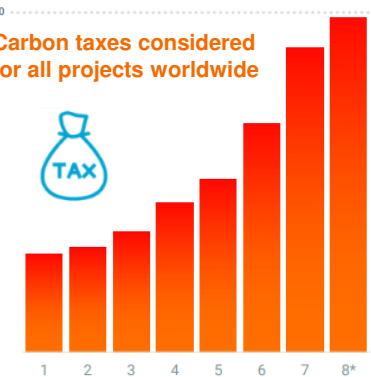
2021 approved oil & gas projects

GHG emission intensity % vs. portfolio average



Technical costs \$/boe

Carbon taxes considered for all projects worldwide



* After-tax breakeven < 20 \$/boe

Building a multi-energy company

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03.

Carbon Footprint Reduction (CFR) initiatives from TotalEnergies Brazil

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Renewables in Brazil :

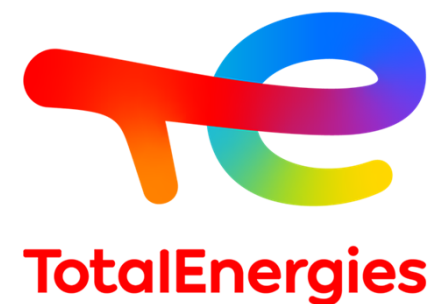
Solar and onshore Eolic in operation



Offshore Wind projects to come



Dracena Solar plant



Muito Obrigado

Thiago MESQUITA

thiago.mesquita@totalenergies.com



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