

Green Hydrogen An Opportunity for Cork!

EIH₂

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EIH2

- Founded in 2021 by Pearse Flynn
- Green Hydrogen Project Developer
- Green Hydrogen Solutions Company – Enterprise Ireland Green Services Provider
- Sister Company to Green Rebel (Marine, Aerial & Met Ocean)

EIH2's mission

#1 Act as a pivotal leader accelerating Ireland's **renewable deployment**

#2 Increase Ireland's **security of energy supply**

#3 Play an instrumental role in **decarbonising electricity, transport, industry and heat**

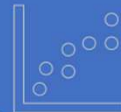
Consulting Services

“Bringing Offtakers along on the Journey”

Levelised
cost of
hydrogen



Operational
optimisation



Financial
Model



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Technology
assessment



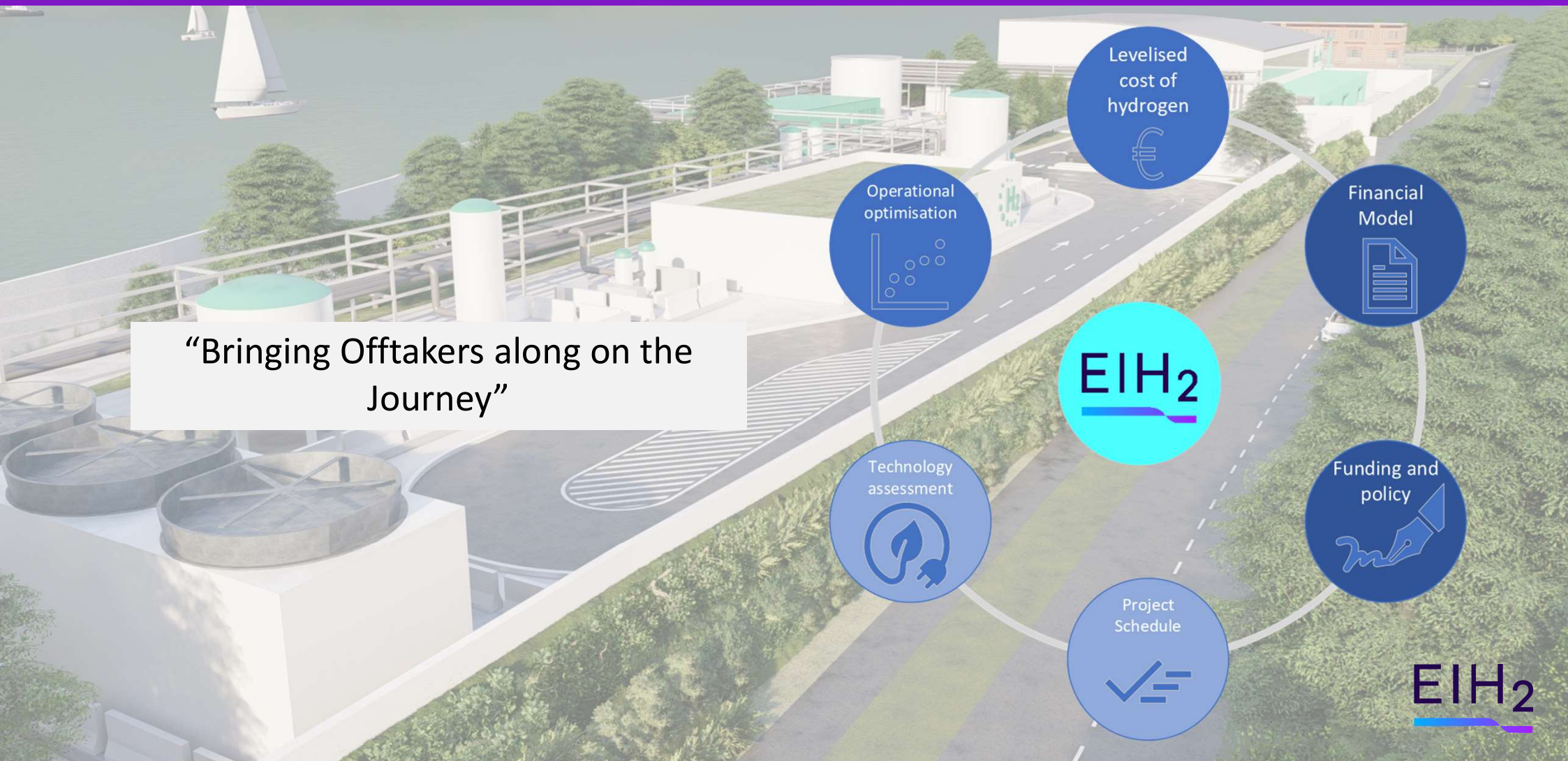
Funding and
policy



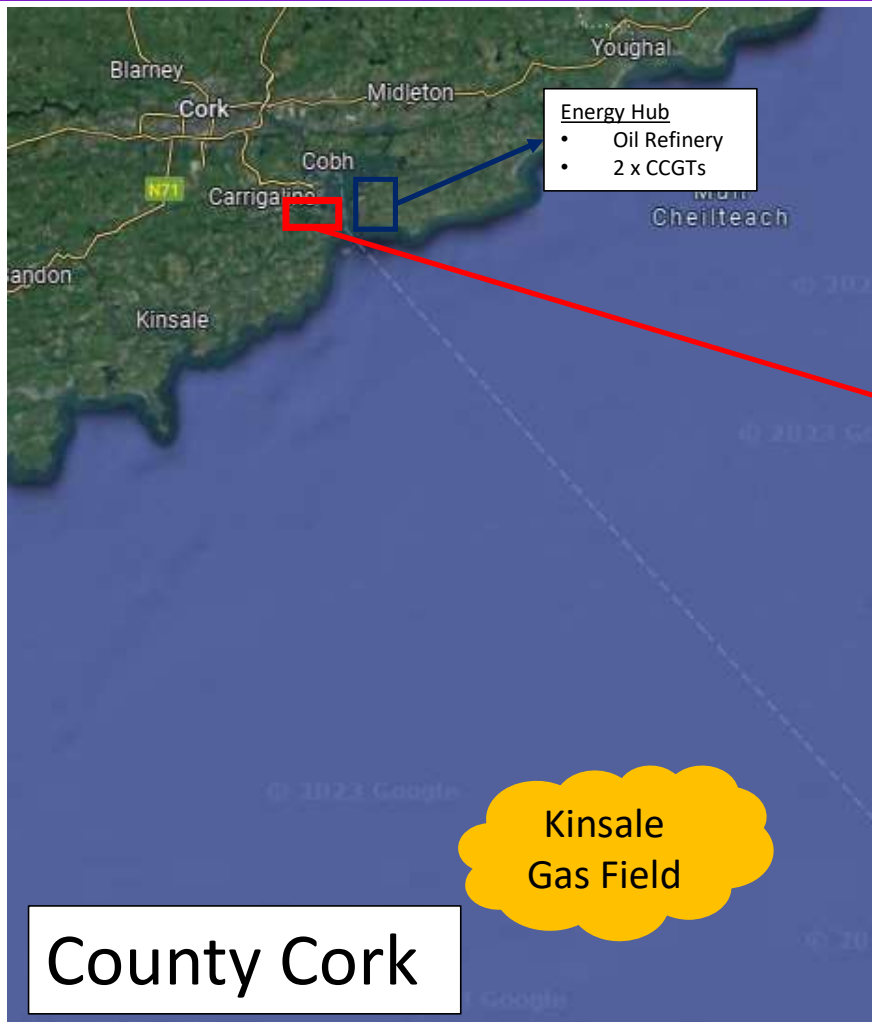
Project
Schedule



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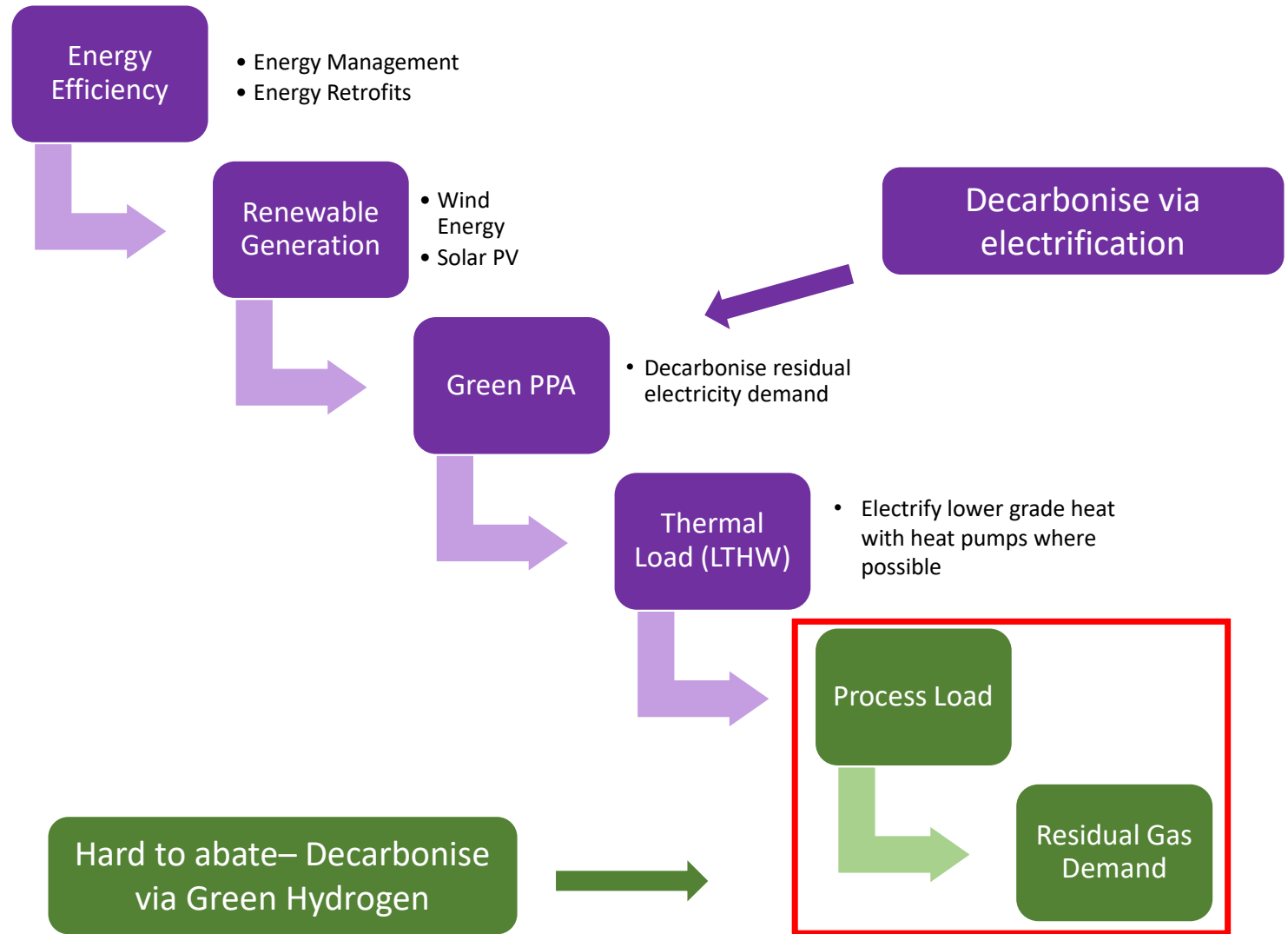


Hydrogen For Cork

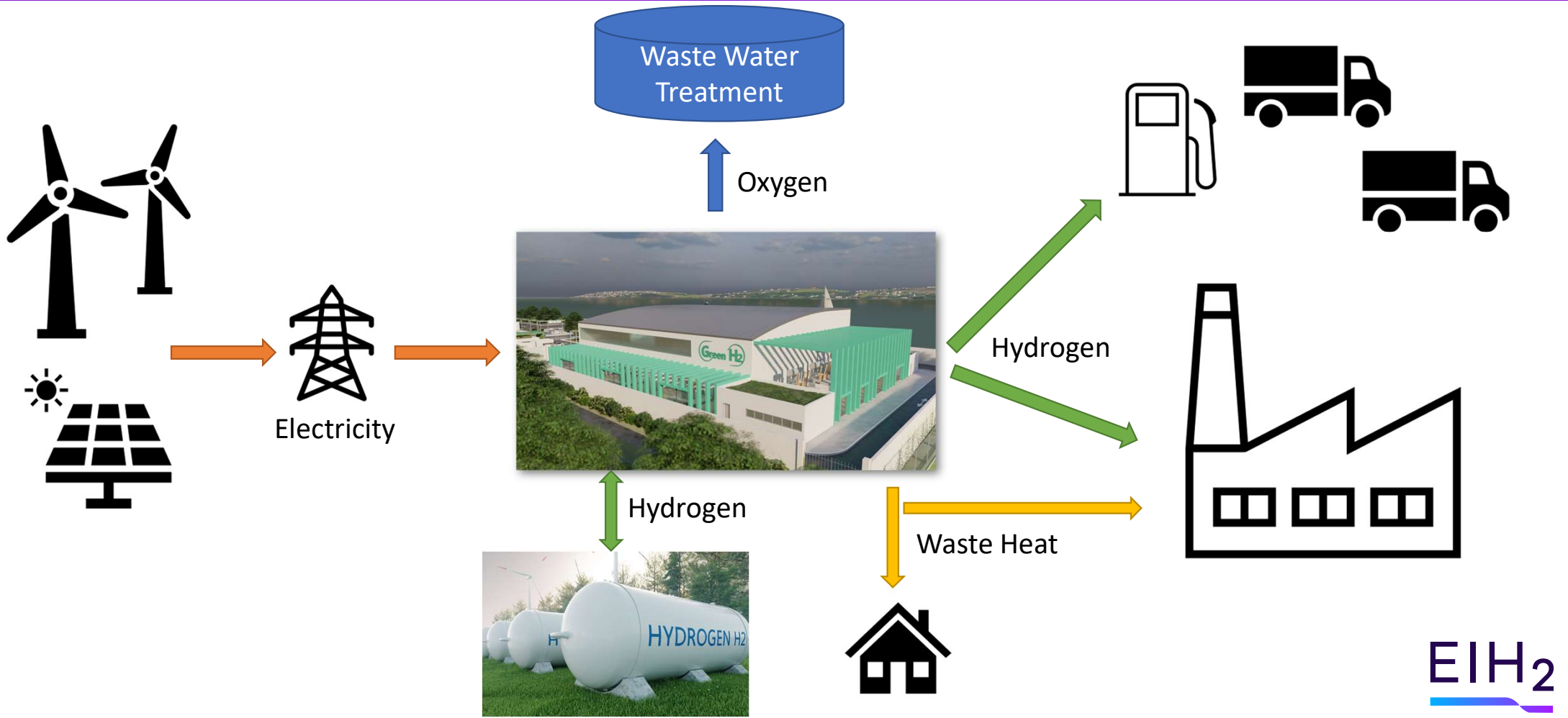


- Pharmaceutical Cluster
- Port of Cork
- MaREI

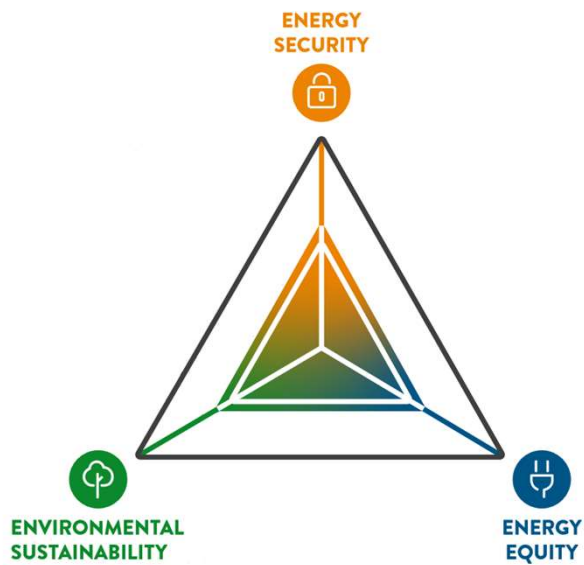
Path to Carbon Neutrality - Challenges for Large Energy Users



Hydrogen Valley - Ringaskiddy



Benefits

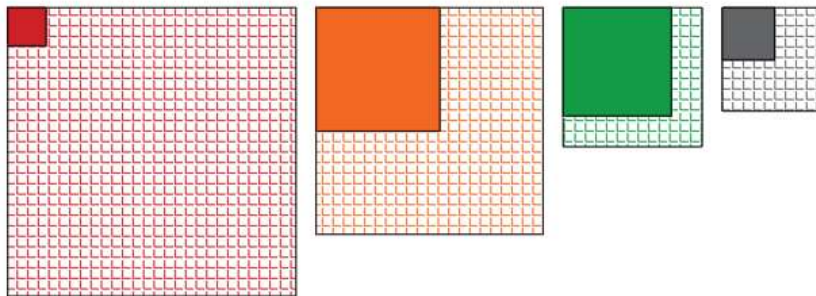


Appendix

Ireland's Energy Supply and Security

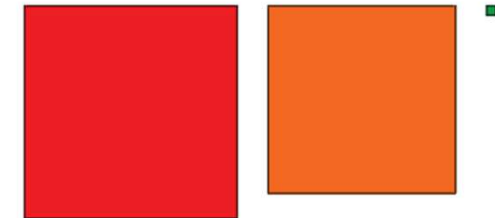
Energy Sources Comparison

Source: Energy In Ireland 2022 Report
SEAI



| | Units | Key | Oil | Gas | Renewables | Coal |
|------------------------|-------|-----|--------|--------|------------|--------|
| Primary Energy | GWh | | 82'386 | 50'985 | 19'189 | 10'629 |
| Electricity Generation | | | 1'454 | 15'153 | 11'618 | 2'721 |

Strategic Energy Reserve's Ireland



| | Units | Oil (NORA)* | Gas (Corrib)** | Electricity*** |
|---------------|-------|-------------|----------------|----------------|
| Stored Energy | GWh | 18'804 | 14'630 | 35 |

*National Oil Reserve Agency

**2021 Throughput of the Corrib Gas Field - SEAI Energy In Ireland 2022

***Includes: Pumped Hydro - Turlough Hill (1.7 GWh), Pumped Hydro - Silver Mines (1.8 GWh) & Battery Storage (31.7 GWh - Varied Scenario - Game Changer ESI Report)

