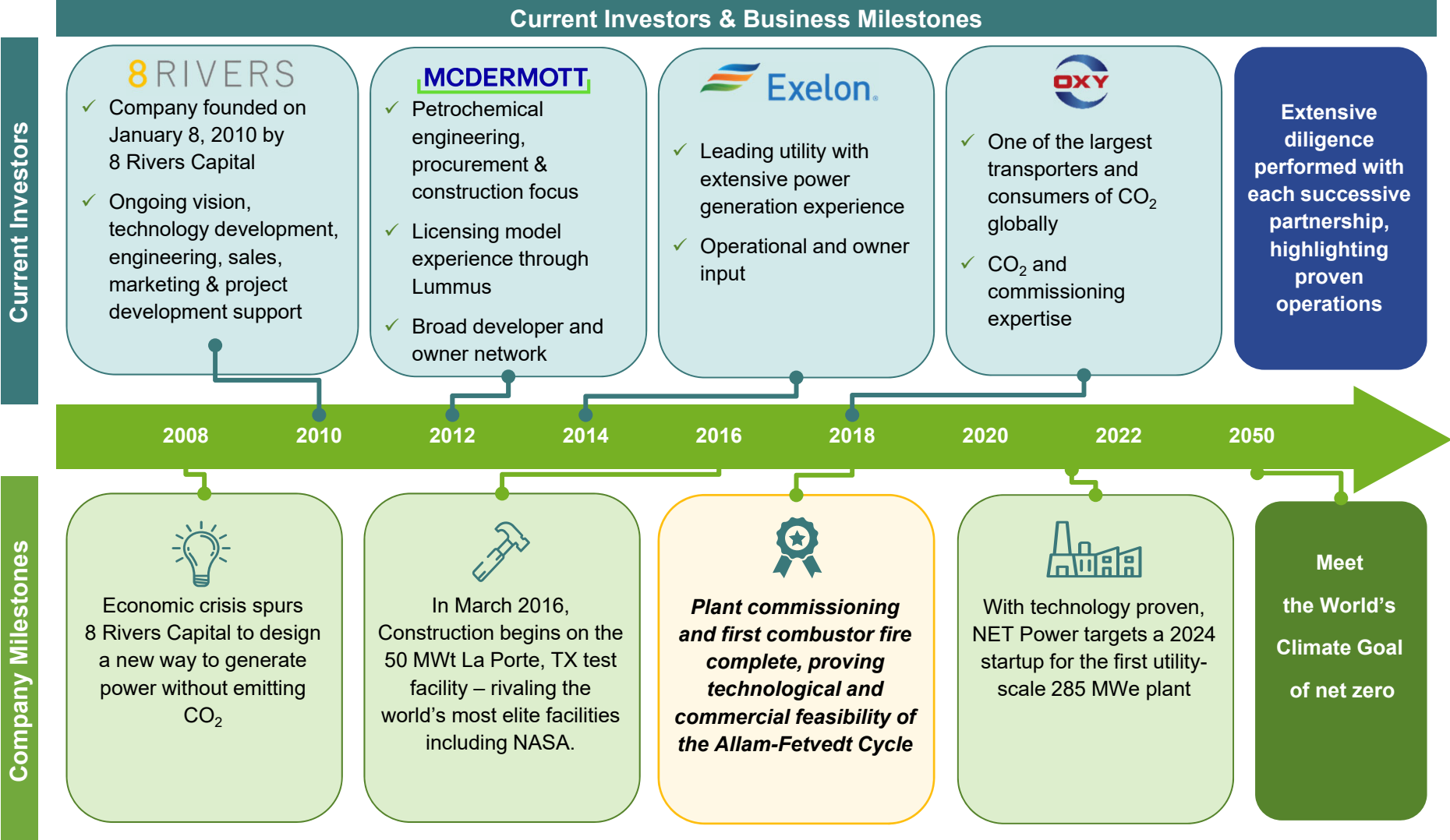




**NET Power Overview Presentation
2022**

Meeting the World's Climate Goals by 2050

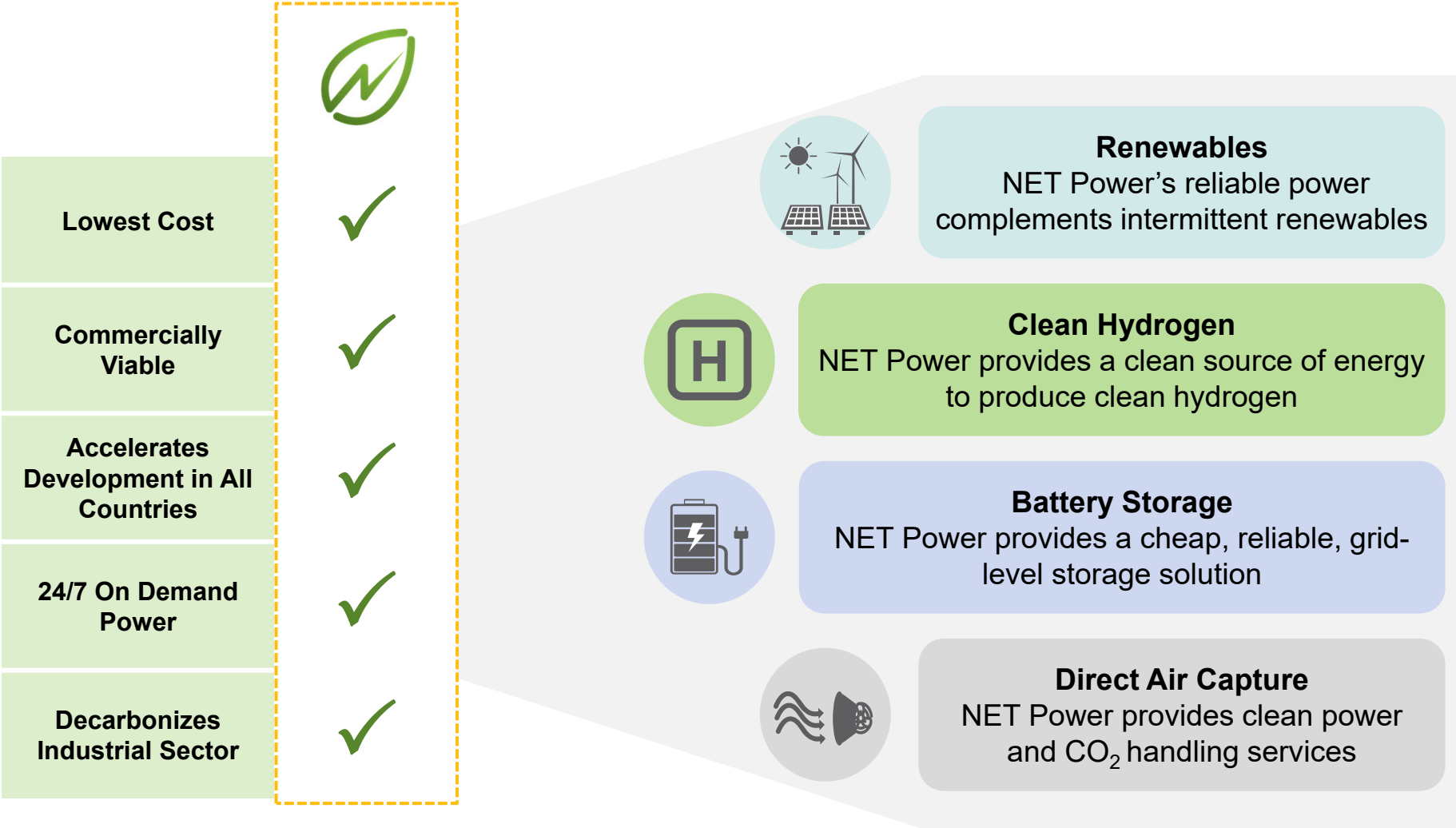
Strategic engagement with industry partners helped to advance NET Power's technology from concept to reality in under 10 years



NET Power Enables the Green Economy

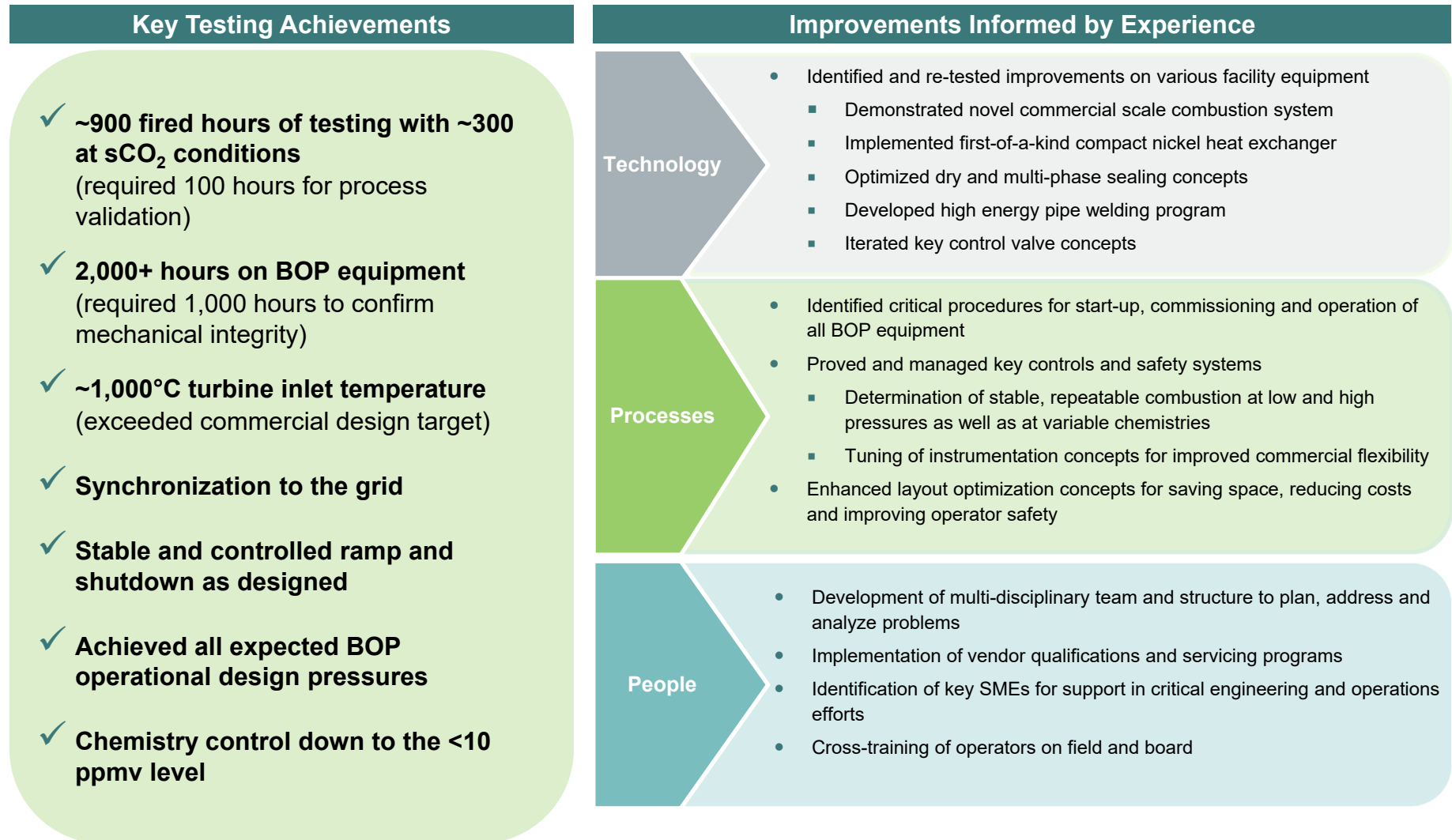
Comprehensive solution to solve the global emissions problem and makes complementary clean energy technologies viable

NET Power and Complementary Technology Solutions



Key Achievements and Lessons Learned at Test Facility

Profound learning took place and continues in extensive vetting cycle



World's first direct-fire supercritical CO₂ cycle validated

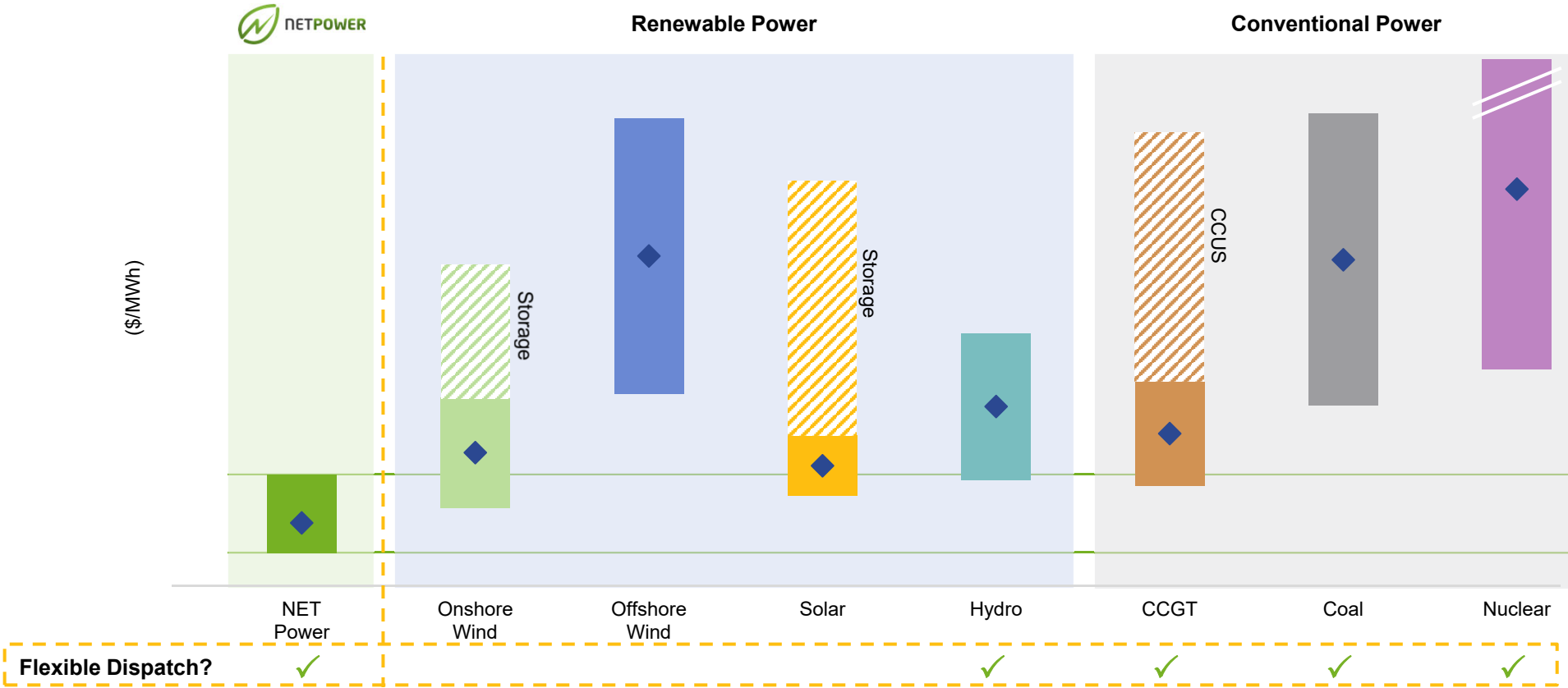
Proven Technology Makes Clean Cheaper than Dirty

NET Power’s low-cost technology delivers on the primary advantages of renewable and conventional power in one optimal solution

Overview

- The NET Power technology captures and recycles the CO₂ it uses to generate power in a revolutionary semi-closed loop, zero-emissions system
- Load-following capability, in addition to reliable base load power
- Fuel efficiencies and multiple revenue streams contribute to a low cost of energy compared to peer technologies

Levelized Cost of Energy⁽¹⁾



Source: BNEF 2020 LCOE Update, EIA 2020 Annual Energy Outlook, Lazard 2019 LCOE Analysis



Commercial Projects In Progress

Multiple commercial scale projects under development

Completed detailed Pre-FEED for a 284 MWe plant



Plant outputs – 284 MWe Plant		Commercial Plant Performance*	
CO ₂ Output	864k tonnes/year	<u>NOAK</u>	<u>FOAK</u>
		1200°C	925°C
N ₂ Output	4.6 MM tonnes/year	Thermal Heat Input (MWt)	550.33
Ar Output	65k tonnes/year	Turbine Shaft Power (MWt)	489.53
ASU O ₂	116k tonnes/year	Gross Electrical Output (MWe)	484.63
Site Area	10 - 15 acres	ASU auxiliary load	-71.54
		BOP parasitics (pumps, cooling tower, etc.)	-88.21
		Net Electrical Output (MWe)	324.88
		Net Plant Efficiency (% on LHV)*	59.03%
		Net Plant Heat Rate (LHV)*	5,780
			6,619



W Making Clean Cheaper Than Dirty

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Virtual 360 Tour

#NETPower #np2050 #wecapturecarbon #cleanenergy

Approved for Public Release

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