



NET POWER

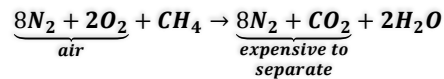
TRULY CLEAN, CHEAPER ENERGY



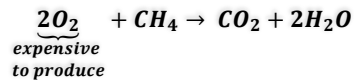
THE SUPERCRITICAL CO₂ ALLAM CYCLE IS SIMPLE

HISTORICALLY, CO₂ CAPTURE HAS BEEN EXPENSIVE, WHETHER USING AIR COMBUSTION OR OXY-COMBUSTION

AIR COMBUSTION:

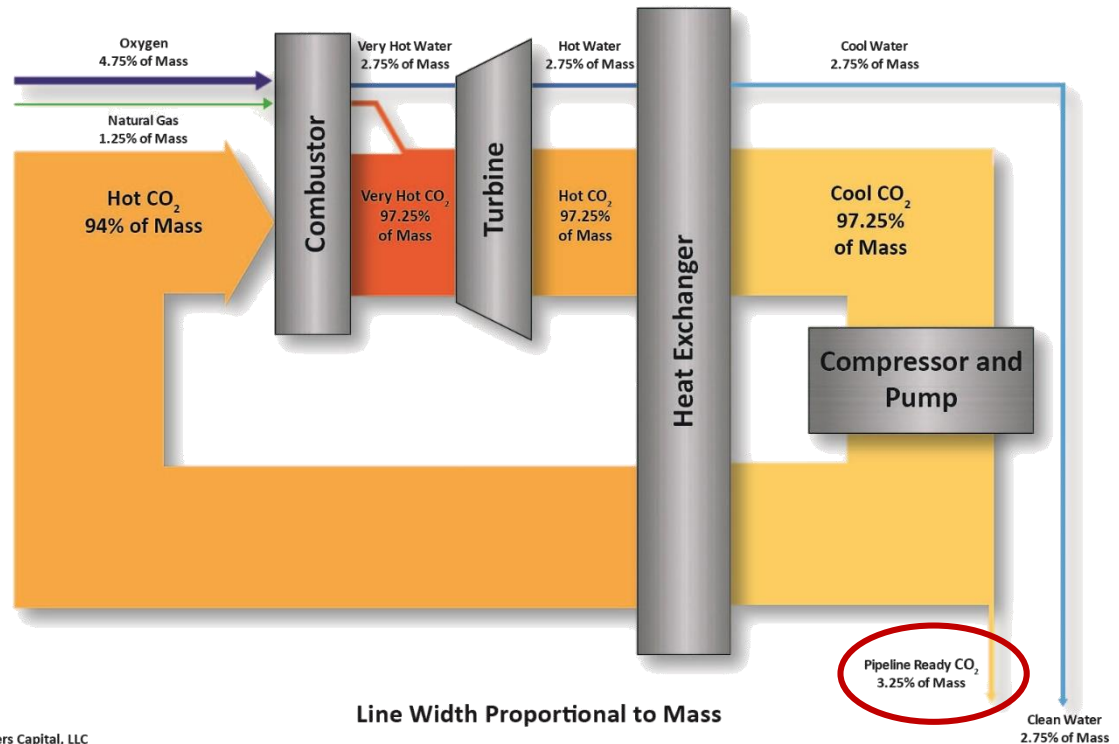


OXY-COMBUSTION:



THE ALLAM CYCLE MAKES OXY-COMBUSTION ECONOMIC BY:

1. RELYING ON A MORE EFFICIENT CORE POWER CYCLE
2. RECYCLING HEAT WITHIN THE SYSTEM TO REDUCE O₂ AND CH₄ CONSUMPTION, AND ASSOCIATED COSTS OF THE AIR SEPARATION UNIT (ASU)

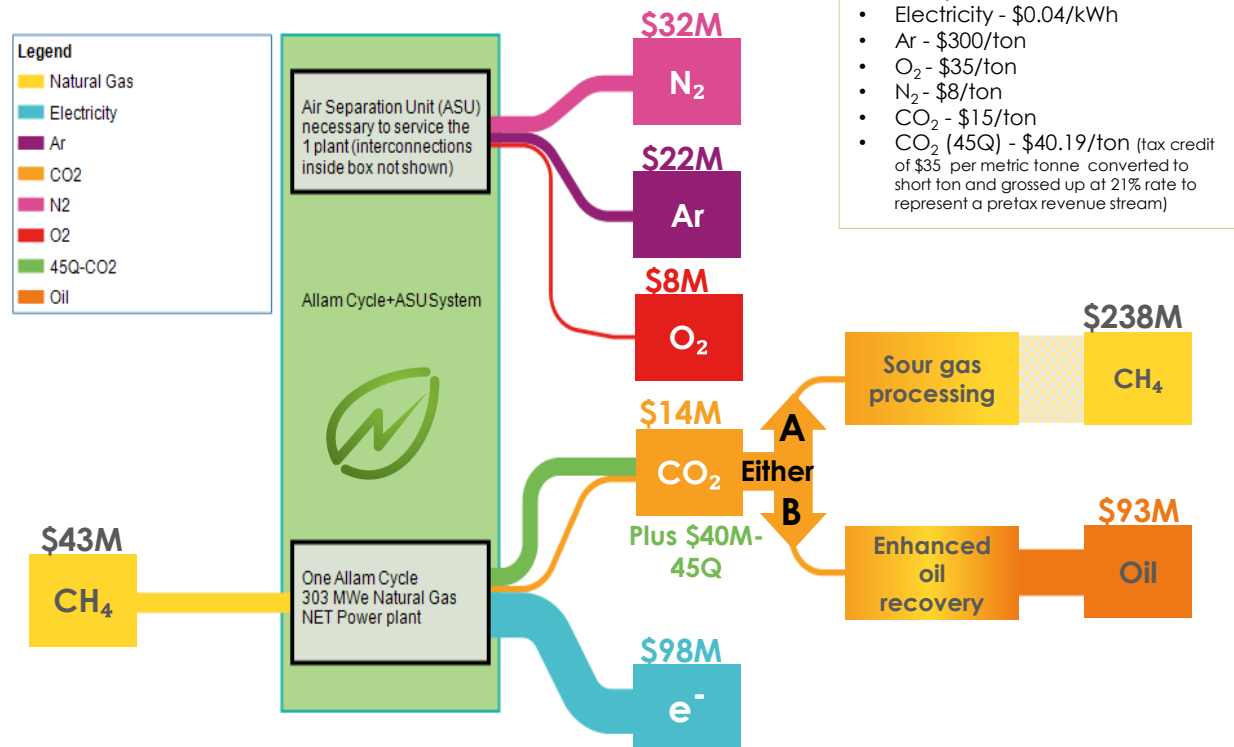


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NET POWER IS ABOUT MORE THAN ELECTRICITY

VALUE OF INDUSTRIAL GAS STREAM APPROACHES VALUE OF ELECTRICITY

45Q NOW BEING PASSED INCREASES THE VALUE OF NET POWER'S CO₂ SIGNIFICANTLY



PATH TO COMMERCIAL

COMMERCIAL SCALE-UP TO 300 MWE

- **CORE CYCLE:** PROVEN AND OPERATIONAL
- **COMBUSTOR:** NO SCALE-UP, FULL-SCALE TESTING SUCCESSFULLY COMPLETED
- **BALANCE OF PLANT:** COMPONENTS ALREADY COMMERCIALY AVAILABLE AT SCALE AND PROVEN
- **TURBINE SHELL:** 2.5x SCALE-UP, TESTING UNDERWAY

EARLY 2020s TARGET COD FOR
300 MW PLANT

50MWth
facility



Combustor
test facility



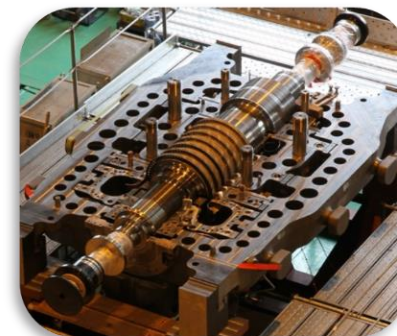
Flame in
combustor



Turbine
(external)



Turbine
(internal)



Images of combustor and turbine provide courtesy of Toshiba Energy Systems & Solutions Corporation, not to shared or distributed.

NET POWER

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