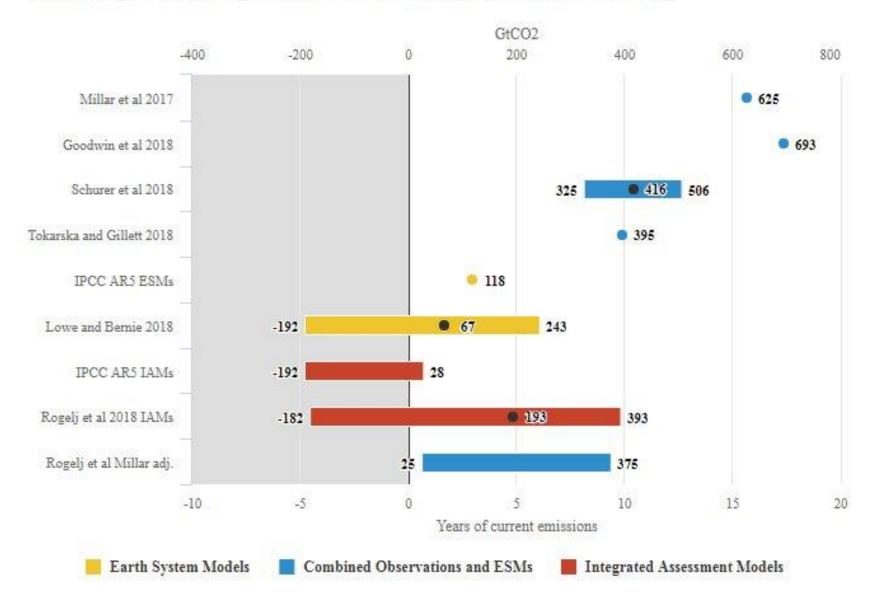
Large-Scale C Management Required

Remaining carbon budget for a 66% chance of less than 1.5C warming



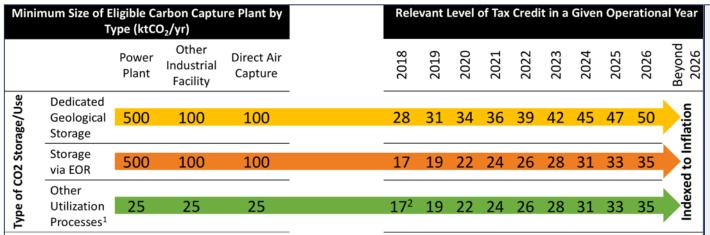
Everything here exists

- Now we're haggling over price
- Lots of room to improve cost & performance

Tech → Policy → Markets & Finance

- Procurement standards
- ZEPS
- CO₂ Utility

45Q tax credit reform is now law

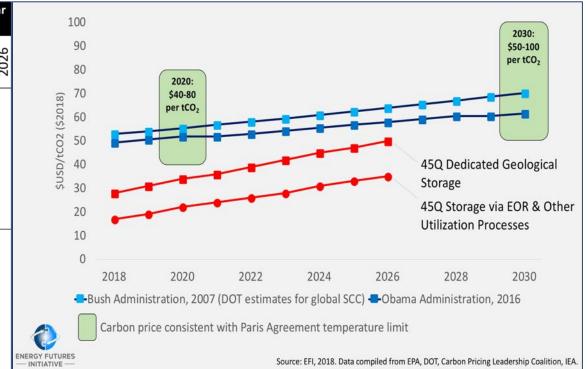


¹ Each CO₂ source cannot be greater than 500 ktCO₂/yr

² Any credit will only apply to the portion of the converted CO2 that can be shown to reduce overall emissions

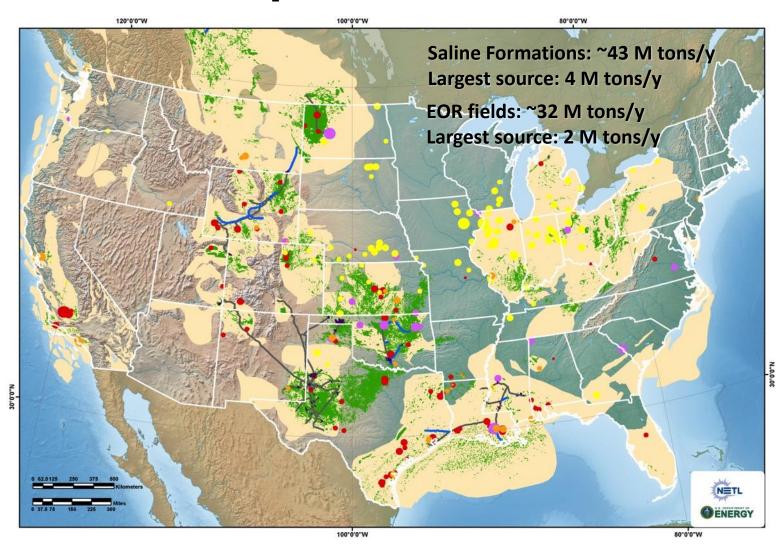


Source: Simon Bennett and Tristan Stanley, Commentary: US budget bill may help carbon capture get back on track, International Energy Agency.



Industrial CCS can make a BIG difference

High Purity Sources of CO₂ within 100 miles of a potential CCUS site



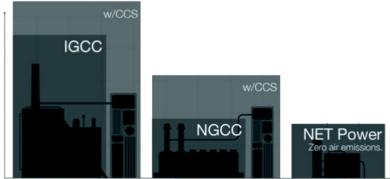


New Tech: NetPower





- 100% CO₂ stream, at pressure
- Produces water
- Nth plant: ~price parity to NGCC
- Can ramp up & down
- Addl. potential revenues







New Tech: Solidia



Today:

- pre-cat forms only
- Set up within existing asset class
- 30 concrete blocks = 1 tree

Cement:

- 52% LCA reduction measured
- Lower production cost, total cost
- On track to 70% LCA reduction

Concrete:

- 85% water reduction
- Higher compressive & tensile strength
- Lower corrosion
- Looks better

