



Houston We Have a Problem



Anthropogenic Climate Change is real

Effects on the environment are vast

Temperatures will continue to rise

Sea level will rise 1-4 feet by 2100





Our City

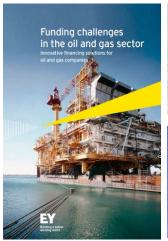
25% of nation's jobs related to oil and gas, 16% support jobs for oil and gas.

\$50 billion in petrochemical projects underway, 42% of USbase petrochemical manufacturing capacity.

Paris Climate Agreement, Climate Mayors, Green Initiatives.















Research Question

How can the implementation of a Pressure Swing Adsorption (PSA), a Carbon Capture System (CCS), in oil refineries located in the Greater Houston Area benefit the key stakeholders?





Technologies Available

Que thie wrune & Storage

Petra Nova

Pressure Swing Adsorption







Developing a Model

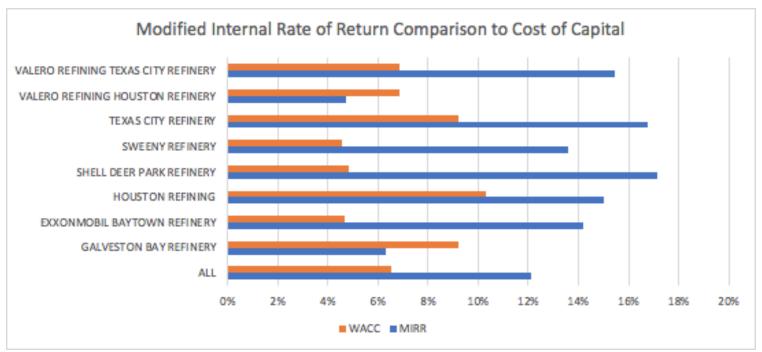




https://goo.gl/Ts19H3



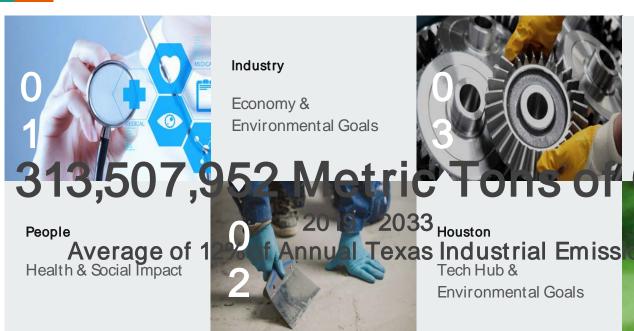
Carbon Capture can be profitable







Impacts





Nature & World







Future Considerations

