NRG | COSIA CARBON XPRIZE

A $20 Million global competition to develop breakthrough technologies that will convert CO_2 emissions from power plants and industrial facilities into valuable products like building materials, alternative fuels and other items that we use every day. Teams will be scored on how much CO_2 they convert and the net value of their products.

The $20M NRG COSIA Carbon XPRIZE challenges the world to reimagine what we can do with CO_2 emissions by incentivizing and accelerating the development of technologies that convert CO_2 into valuable products. These technologies have the potential to transform how the world approaches CO_2 mitigation, and reduce the cost of managing CO_2.

Competition Overview
The competition has two tracks – one focused on testing technologies at a coal power plant and one focused on testing technologies at a natural gas power plant. Each track will operate as a separate competition on the same timeline.

Teams will compete in three rounds for a total prize purse of $20 million:

- **Round 1**: Teams will choose a track and submit technical and business information about their technology, process, potential products, and how they plan to achieve the technical requirements and goals of the competition. Teams will be assessed and ranked based on these submissions. *In each track*, up to 15 teams will move onto Round 2.
- **Round 2**: Teams will demonstrate technologies in a controlled environment (such as a laboratory), using a simulated power plant flue gas stream. Teams must meet minimum requirements and will be scored on how much CO_2 they convert and the net value of their products. *In each track*, up to 5 teams will move onto Round 3 and share a $2.5 million milestone purse.
- **Round 3**: Teams will demonstrate technologies under real world conditions, at a larger scale. Teams will have access to two test centers adjacent to existing power plants, and will prove their technologies using actual power plant flue gas. Teams must meet minimum requirements and will be scored on how much CO_2 they convert and the net value of their products. *In each track*, the winner will be awarded a $7.5 million grand prize.

Impact
The prize will incentivize development of new and emerging CO_2 conversion technologies, accelerating them from laboratory testing to demonstration under real world conditions. The prize will help identify the most promising pathways for CO_2 conversion and prove they can be deployed at power plants and other industrial facilities.

REGULAR REGISTRATION DEADLINE APRIL 30, 2016. LATE REGISTRATION DEADLINE JULY 15, 2016.
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