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by Nicole Jacobs
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“To help keep the lights on, the California Independent System Operator will tap the state’s network of gas generators and hydroelectric dams to make up for the loss of about 6 gigawatts of solar output over three hours. Duke Energy Corp. said it will utilize gas generators in North Carolina, the biggest solar state after California, to make up for output that is expected to sink 92 percent to about 200 megawatts in 90 minutes.”

[Fortune](#)

“The ‘electric grid of tomorrow’ will increasingly have to deal with fluctuating power supplies from the wind and sun while incorporating quick-start gas turbines during events like the upcoming eclipse.”

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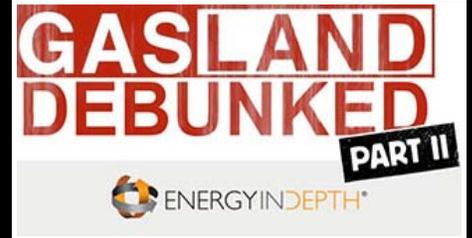
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“All other things equal, a 1% percent increase in the share of fast reacting fossil technologies is associated with a 0.88% percent increase in renewable generation capacity in the long term.”

“Our paper calls attention to the fact that renewables and fast-reacting fossil technologies appear as highly complementary and that they should be jointly installed to meet the goals of cutting emissions and ensuring a stable supply.” (emphasis added)

Issue in Focus:

SHALE + HEALTH



[more wind energy than most countries](#)

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“It seemed fairly natural to have it here in Houston or at least somewhere on the Gulf. We knew that we really wanted to talk to oil and gas.” (emphasis added)

[according to OWES](#)

“Using many of the same technologies—design, foundations, vessels, cabling and a highly skilled workforce — offshore oil and gas experts play an important role in the advancement of U.S. offshore wind.”



Source: AP

[told](#)

“It’s a great forum to bring together those parts — the oil and gas industry and the offshore renewable energy industry,” Celeta said, so investing can occur “in the people, the infrastructure and technologies that will propel the United States as a leader of diversified offshore energy.”

[study](#)

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“The ideology being thrust on the public that some energy is good and other energy is bad is cunning. But in reality, keeping 85% of the world’s energy in the ground would jeopardize economic development and hurt environmental-sustainability investments. Mitigation and adaptation to a warming planet will require a lot of energy — all energy. Oil and natural gas — and in places even coal — play a vital role out of the ground as part of a secure energy mix for the foreseeable future.”

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