

Fact Sheet



THE POWER TO MAKE IT HAPPEN®

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APS and GreenFuel Technologies *Emissions to Biofuels Project*

- GreenFuel estimates that the process can absorb more than 80 percent of CO₂ emissions during the daytime at a natural gas power plant. This means a plant would be able to decrease overall emissions by at least 40 percent.¹
- It takes one acre of land to convert 150 tons of CO₂ per year.
- One acre of algae produces approximately 6,000 gallons of ethanol and 5,000 gallons of biodiesel.
- If every natural gas power plant in Maricopa County were equipped with an Algae Bioreactor, every car in the county could run on the resulting biofuels for approximately five months.²
- APS, Arizona's largest and longest-serving electricity utility, serves about 1 million customers in 11 of the state's 15 counties. With headquarters in Phoenix, APS is the largest subsidiary of Pinnacle West Capital Corp. (NYSE: PNW)
- Redhawk is a natural gas, combined cycle power plant located in Arlington (55 miles southwest of Phoenix). Its capacity is approximately 1,000 megawatts.
- GreenFuel Technologies Corp. is located in Cambridge, Mass. and is the leading developer of algae bioreaction systems. It was founded in 2001 by Issac Berzin. www.greenfuelonline.com. Media Contact: Marc Bane 1-978-443-2378, mbane@greenfuelonline.com.

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¹ Power plants produce more power during peak times, which is usually during the daylight hours.

² According to the Maricopa County Emissions Inventory Department, the county's 10 natural gas power plants (APS, SRP and others) emitted approximately 10 million tons of CO₂ in 2005. The Maricopa County Attorney General reported that residents use approximately 5 million gallons of gas a day.