



FAQ:

WHO?	DG Fuels is a U.S. owned sustainable aviation fuel (SAF) company founded by Michael Darcy, CEO. The company has relationships with major aviation companies including Airbus, Delta Airlines, and Air France/KLM among others.																
WHAT?	Sustainable Aviation Fuel or SAF is a plant-based fuel that substitutes for petroleum-based jet fuel. Because SAF can be used in existing jet engines, it is the best way to quickly achieve net zero CO2 in the airline industry. The company will produce up to 193 million gallons per year.																
WHY?	Emissions from aviation are a significant contributor to CO2 emissions in the atmosphere. Airplanes burn fossil fuel which not only releases CO2 but also has strong warming effects due to nitrogen oxides (NOx), vapor trails and cloud formation triggered by the altitude at which aircraft operate.																
HOW:	DG Fuels gasifies biomass like corn stover to create CO, also known as carbon monoxide. Then, this is combined with hydrogen created through water electrolysis. Water electrolysis creates clean energy by splitting water, or H2O, into separate molecules so that the hydrogen can be used as fuel.																
WHEN?	DG Fuels intends to begin operations in Phelps County by 2030. The plant is expected to take four years to build after its design, engineering and other pre-development work is completed.																
PARTNERS?	DG Fuels has the support of Governor Jim Pillen who launched the Nebraska BioEconomy initiative, which is led by Julie Bushell. Nebraska BioEconomy's mission is to leverage the natural resource advantages in Nebraska and add value to its agricultural products. Phelps County Development Corporation, PCDC, assisted by securing a suitable site and coordinating local resources.																
PJT. DETAILS:	<table><tr><td>COST:</td><td>\$5.5 Billion</td></tr><tr><td>EMPLOYEES:</td><td>650 Permanent Operational (330 professional/technical)</td></tr><tr><td>LOCATION:</td><td>Phelps County</td></tr><tr><td>BIOMASS:</td><td>1.2 Million Tons Corn Stover or other similar kinds of biomass collected from up to a 75-mile radius around Phelps County</td></tr><tr><td>WATER:</td><td>The company is committed to responsible water use. Ground water, surface water, and imported water may be used. The company will work closely with the NRD and other water stakeholders to ensure water resources are protected.</td></tr><tr><td>RAIL:</td><td>The company will use tanker cars to transport finished product to its airline customers. Rail infrastructure will be improved at the expense of the company and its rail providers.</td></tr><tr><td>TRUCKS:</td><td>Biomass will be trucked to the processing facility by a combination of carriers including farmers, owner/operators, and company owned vehicles.</td></tr><tr><td>PLANT EMISSIONS:</td><td>The plant will not have noxious or offensive odors. Its atmospheric emissions will amount to less than a local hospital or large retail store.</td></tr></table>	COST:	\$5.5 Billion	EMPLOYEES:	650 Permanent Operational (330 professional/technical)	LOCATION:	Phelps County	BIOMASS:	1.2 Million Tons Corn Stover or other similar kinds of biomass collected from up to a 75-mile radius around Phelps County	WATER:	The company is committed to responsible water use. Ground water, surface water, and imported water may be used. The company will work closely with the NRD and other water stakeholders to ensure water resources are protected.	RAIL:	The company will use tanker cars to transport finished product to its airline customers. Rail infrastructure will be improved at the expense of the company and its rail providers.	TRUCKS:	Biomass will be trucked to the processing facility by a combination of carriers including farmers, owner/operators, and company owned vehicles.	PLANT EMISSIONS:	The plant will not have noxious or offensive odors. Its atmospheric emissions will amount to less than a local hospital or large retail store.
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COMMUNITY ENGAGEMENT:

The company and PCDC will collaborate to conduct extensive community outreach and information sharing programs. A project of this importance to the region will generate significant interest so it's a project priority to work closely with elected officials, civic leaders, and other stakeholders to ensure timely, and transparent communication. PCDC initiated contacts with elected officials prior to the project announcement on Monday, August 5th.

COMMUNITY IMPACTS:

The **economic impact** over the next three decades is expected to exceed **\$55 billion**. PCDC will commission an economic impact study in the coming weeks to provide an accurate prediction of direct, indirect and induced benefits from the project.

We expect as much as 50% of the **650 new employees** to seek housing in Phelps County. Others will commute from neighboring areas, which is the case for many existing employers. Consequently, PCDC will increase its housing development activity throughout Phelps County, which has already begun.

DG Fuels will commit significant resources in a **Community Benefit Plan** that is designed to address current needs and new challenges that may be a result of this project. In its first plant, the company invested millions to create improved health care delivery, groceries, education programs and more. In Phelps County, early discussions have focused on infrastructure, high school education support, training, internships, and community services.

DG Fuels will pay premiums for undervalued agricultural biomass giving farmers a significant new revenue stream. On-farm storage, delivery of biomass, are additional potential sources of income.

New local and state taxes will be generated by the plant, which will support local infrastructure and local schools.

More than **2,000 construction workers** will be employed over the four-year construction schedule, who will spend wages on food, fuel and lodging. Some construction materials will be subject to state and local sales taxes when purchased locally.

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The Nebraska BioEconomy grows Nebraska family farms and rural communities by generating opportunities for additional revenue streams and adding value to agricultural products. The initiative amplifies Nebraska's unique assets and solidifies the state as the epicenter for a sustainable re- industrialization that will secure the United States and deliver food, fuel and energy independence.

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