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GREEN ENERGY Restaurant, Fryer Oil Hot Water Heater (Boiler)

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System Overview: The first system of its kind was recently installed in a Culver's Restaurant in Pleasant Prairie, Wisconsin. This specially designed system allows this restaurant owner as well as other restaurant owners' to eliminate a traditional disposal challenge while reducing or eliminating their hot water costs, significantly adding to their profitability.

Background: Many restaurants use fryer oils that are typically derived from such readily available crops as soy beans, corn, canola, olive, etc. Vegetable oil when used as a fuel is considered carbon neutral, poses no environmental threat, generates no byproduct, and eliminates messy storage and disposal costs. The technology that makes this all possible is the INOV8 multi-fueled burner. The patented oil pre-heater allows for the clean and efficient burning of nearly any type of petroleum or vegetable based oil. Industrial safety controls provide unmatched protection. Restaurant owners have an opportunity to finally cut operating costs in a real way, with a system that typically sees investment payback within three years.

Major Components: INOV8's patented Multi-fuel burner, Buderus cast iron boiler, heated oil storage tank, transfer pump with oil pick-up assembly, FlatPlate heat exchanger. These components are heavy duty, long life, industry leaders with an expected life that exceeds 20 years. The conventional commercial water heaters that are being replaced have typical life cycles between 5 and 7 years.

System Operating Parameters:

BTU output range = 85,000 to 171,000

Water Flow rates = 1.9 to 3.8 GPM @ 90 F degree rise

Fuel consumption = .73 to 1.46 GPH

INOV8 Owner & President:	Rebecca Faas
INOV8 Founder & Patent holder:	Harry Foust
INOV8 Project Manager:	Matthew Fisher

Options available: Four system sizes, two tanks - 42 or 53 gallon and custom applications.

Price: \$9,829 to \$11,104 plus shipping and installation