



## ***America's FOG to Bio Fuel Solution***

The purpose of the Green Grease Alliance (G2A) is to ensure that Fats, Oils and Grease (FOG)'s will become a major source of alternative fuel, significantly reduce America's dependence on foreign oil, create the purest bio-diesel, purify our water system, create green collar jobs and eliminate the country's \$50 Billion dollar municipal grease problem

# CLEARING UP THE FOG

- G2A Will launch a National lobbying effort to prevent pollution from residential and commercial entities to improve water quality, save money, energy, create bio fuel and green collar jobs, and stimulate the local economy
- G2A is working with a national coalition of hospitality associations and governmental entities. With decades of experience in Washington, we will lobby Congress, state and local authorities to mandate the implementation of a best practices grease recovery unit that will eliminate the brown grease epidemic in America. By tapping into these entities we can influence decision makers that are Green minded and sell the Green benefits.

# CLEARING UP THE FOG

- Find sponsor for a “Green Grease” bill that would solve the brown grease problem for municipalities and save hundreds of millions of dollars not to include the cost of the healthcare associated with the epidemic. In addition, a mandate to preserve Green Grease would mean billions in landfill avoidance, protection of wildlife and the creation of a pure bio fuel that can be used for municipal fleets- reducing emissions and stimulating the local economy.
- 3.2 Million people are treated annually for illnesses due to FOG from contamination, sewer overflows and leaks in our lakes, streams and rivers.

# Our Purpose

- G2A exists to provide a “Socially Responsible” platform and uniform direction for restaurants, food service providers and municipalities to green their grease, producing a pure grade bio fuel made from Waste Vegetable Oil (WVO) that will help eliminate brown grease pollution, conserve energy, save money, protect wildlife and fuel their local economy
- G2A Works with the following areas subject to most Industrial Waste Control Programs, Department of Public Works (DPW), Water works, Environmental Programs Division (EPD) , Restaurant and hospitality associations to accomplish the following:
- Exceed current grease management codes and other laws, regulations and ordinances.

# Our Purpose

- Work with the industry through education, regulation and regular monitoring
- Protect the public sewer system from excessive grease discharge, and purify our water system.
- Obtain optimum operating efficiency of pretreatment systems while minimizing maintenance.
- Eliminate as much waste as possible and convert to an alternative fuel source

# Why are fats, oils and grease (FOG) a problem?



- There are three main issues with fats, oils and grease entering the waste water system:
- They clog the system by blocking pipes, binding screens and damaging pipes causing sewer backups, overflows & odor problems upstream of the treatment plant.
- In the absence of treatment they can deplete oxygen in receiving waters.
- Where treatment is in place, additional energy and treatment capacity is required to break down excess FOG entering the system
- They are expensive and residents and their municipalities have to pay.

# An Eco-Disaster

- Fats, oils, and grease (FOG) waste generated by the food service component of the hospitality industry creates a huge burden on waste water infrastructure and water treatment facilities throughout the state.
- Reduce the environmental impacts of your operations, thereby reducing your regulatory requirements and paperwork headaches.
- Save money!! Waste is created out of inefficiency, and inefficiency is expensive!

# Eco-Hazard

- Environmental and health impacts of raw sewage overflows Blockages cause raw sewage overflows into rivers and streams resulting in environmental impacts, violating water quality standards and can be a serious health risk to anyone coming in contact with the water
- Blockages that result in raw sewage backing up into basements of homes and commercial buildings is a serious public health risk and result in business closures and displacement of homeowners until expensive cleaning and repair are made

# Pollution Prevention: Fog Elimination

- Prevention is the best and most economic alternative
- Municipalities are responsible for the ownership and maintenance of the sanitary sewers, they must respond to blockages and must provide all necessary cleaning of sewer lines to attempt to prevent blockages.
- Responding to the blockages can cost a municipality between \$2,000 and \$25,000 per incident. In known areas of FOG discharges, municipalities may be required to jet-rod and clean out accumulated grease on a weekly basis weekly

# The Impact: Treatment Plants

Excessive FOG, especially on smaller treatment plants, has created treatment plant upsets in the past resulting in water quality impacts and permit violations. Excessive FOG at larger facilities can cause a lessening of treatment plant efficiency which is detrimental to the environment.

# The Solution-Green FOG



- Converting waste product (Concentrated FOG) into a energy source as a fuel at municipal sewer sludge incinerators. Our platform reduces 93% of grease from the sewer lines and reduces America's dependency on foreign oil and natural gas.

The liability and responsibility for proper disposal of grease trap materials rests with the grease trap cleaner.

- We have designed an automatic grease recovery unit (AGRU) that creates the purest form of bio-diesel that can come from brown grease (cooking oil)
- PG2 AGRU is Green and financially sustainable

# Green Grease Certified



- As a Green PG2 producer you are telling the world that your establishment has gone Green.
- By recycling WVO Waste Vegetable Oil using PG2 AGRU and creating a pure form of bio fuel you are following through on your companies corporate and social responsibility goals
- Participating producers will join thousands of FPE's lobbying for tax credits and accelerated depreciation

# A Sustainable Goal

- Our Goal is to have every state in the union make mandatory the use of the AGRU-Gator System thereby eliminating an environmental hazard that is costing America \$50 Billion dollars per year. By making mandatory the use of the PG2 System, local economy's can not only save tens of million of dollars via landfill avoidance, drain maintenance, and health costs, they can share in profits derived from the production sell of Green Grease. Most importantly they use the product to operate their fleets making them virtually emission free- eco-friendly.
- This recycled (derivative) PG2 bio fuel is the purest forms of WVO due to the unique grease interceptor's capture and filtering process and it's structural design

# Green Stakeholders

- Lodging properties
- Restaurants and other food service providers
- Theme parks/amusement sites
- State parks
- Convention centers
- Wildlife Conservationist