

1. Securing the Resources

Targeting Residential WCO

 We asked the town to install a waste cooking oil recycling receptacle by doing a skit presentation.	 We made presentations at local elementary schools to raise awareness of waste cooking oil recycling.
 We distributed flyers in front of supermarkets and asked residents to recycle cooking oil.	 We made a commercial to broadcast on Cox Cable TV in RI and CT to raise awareness.
 We distributed promotional kitchen calendars to ask residents to recycle cooking oil.	 We made presentations to 6th graders at our middle school to inspire them and raise awareness of WCO recycling.

Targeting Commercial WCO

 We asked the restaurant owners to donate their grease to our project.	 We drafted a WCO recycling bill and asked our legislators to introduce it to the State.
 We went to several Chamber of Commerce events to ask their members to participate in TGIF.	 We testified on behalf of the bill at the State House, the bill was passed and signed into law in July, 2011.
 We asked the vendors at festivals and country fairs to recycle WCO in the drums we helped placed.	 The bill mandates all businesses to recycle used cooking oil they generated.

2. Outsourcing



We set up 12 waste cooking oil recycling receptacles at transfer stations in Westerly, South Kingstown RI & Stonington, New London, CT as well as 6 other locations. They collect about 600 gallons in total per month to date.



The grease containers at the commercial locations collect more than 160,000 gallons of grease to date and generate 40,000 gallons of biodiesel per year.



We recruited a company Grease Co. to pump the grease at the transfer station.



We hired a company Grease Co. to pump the grease at the local restaurants.



Then Grease Co. brings the grease to a refiner.




The local biodiesel companies Mason's and Newport Biodiesel refine the waste cooking oil into biodiesel.

3. Product Consumption



The waste cooking oil collector and refiner will sell the biodiesel for vehicle and boat use.

Our program will keep 100% of the proceeds, which we donate to charities as biofuel credits.



The renewable biodiesel will then be available for trucks, buses and marine vessels through the pump stations in Rhode Island. The Westerly School Committee accepted our proposal to use B5 biodiesel blend in our school buses. We showed the school committee that RI passed a new law which makes biodiesel tax exempt if used in vehicles. We also tested B20 on one of the school buses to do a study of using biodiesel blends on buses.



To date we have donated a total of 21,000 gallons of BIOHEAT® to WARM Center, Jonnycake Center of Westerly, MASH Shelter in Mystic, CT, Welcome House, and Keep the Heat On in Providence. 210 families in RI & CT were spared from the cold in the winter.



The charitable organizations then have Guardian Fuel deliver BIOHEAT® to the families who applied for emergency heating assistance at their agency. Warwick, RI joined TGIF in November, 2010 and Providence joined TGIF in October, 2012. New London, CT and Fall River, MA joined TGIF in August, 2013.