



Alternative Fuel Workshop

Synopsis: For the past four years, Hot Buttered Rum has been traveling around the country in a bus powered by recycled vegetable oil and biodiesel, educating people of all ages about the options for a post-petroleum world. This entertaining and informative workshop explains how to run any diesel engine on biofuel, and elucidates the significant benefits for the environment, the economy, and public health.



Program Time: 50 minutes – 120 minutes

Ages: Can be geared toward any audience

Song Performance: *Firefly*

1. Introduction to Hot Buttered Rum
 - a) Formation of band – month long Sierra backpack hike in Summer of 1999
 - b) Environmental ethic and desire for sustainable business model
 - c) Music as a platform for inspiration, education/outreach, action/change

Song Performance: *Well Oiled Machine*

2. Traveling in a Vegetable Oil-Powered Bus
 - a) How HBR got involved with vegetable oil
 - b) Why use biofuel: environmental, economic, political, and social
 - c) SVO, Biodiesel, and Petro-Diesel demystified
 - d) Seana's flagship SVO system – How does it work? (Diagram explanation)

Song Performance: *Limbo in Lovelock*

3. Why Biodiesel will be mainstream rather than SVO
 - a) No vehicle modification required
 - b) Legally registered and accepted motor fuel
 - c) Much more testing and legislation due to National Biodiesel Board 1994

Song Performance: *Guns or Butter*

4. Issues and Limitations with Biofuels
 - a) Ethical concern: biofuels come from the same commodities as food
 - b) Realistic estimates on petroleum fuel replacement
 - c) Bad farming practices use more fossil fuel energy
 - d) Rainforests destroyed to make room for palm trees and sugar cane

Song Performance: *Return Some Day*

5. Future Potential for Biofuels
 - a) Great transition to renewable energy economy
 - b) Algae as feedstock
 - c) How to get involved
 - d) Question and answer with audience