

# ETCFC JEOPARDY!

Petroleum Problems	Biodiesel	Ethanol
<u>100</u>	<u>100</u>	<u>100</u>
<u>200</u>	<u>200</u>	<u>200</u>
<u>300</u>	<u>300</u>	<u>300</u>
<u>400</u>	<u>400</u>	<u>400</u>



DAILY



DOUBLE



DAILY



DOUBLE



A health effect for humans of  
petroleum pollution



Click for  
Answer

An effect of petroleum pollution,  
other than human health effects



Click for  
Answer

Country that uses the most oil

Click for  
Answer

Amount of gasoline used in the  
US each year



Click for  
Answer

# Alternative fuel for diesel engines



Click for  
Answer

Source or crop that can be used  
to make biodiesel



Click for  
Answer

One advantage of biodiesel



Click for  
Answer

One disadvantage of biodiesel



Click for  
Answer

Crop that can be made into  
ethanol



Click for  
Answer

City in TN that is producing  
switchgrass ethanol



Click for  
Answer

One advantage of ethanol



Click for  
Answer

One disadvantage of ethanol



Click for  
Answer

# What is

- ~ Cancer
- ~ Respiratory problems
- ~ Heart disease
- ~ Reproductive Ailments



Game  
Board

# What is

- ~ Climate Change
- ~ Oil spills
- ~ Effects on animals
- ~ Effects on plants
- ~ Deterioration of buildings  
and monuments
- ~ Poor visibility in national parks



Game  
Board

What is the U.S.?

Game  
Board

What is  
322,000,000,000  
322 Billion Gallons



Game  
Board

What is biodiesel?



Game  
Board

# What are natural oils:

- ~ soybeans
- ~ vegetable oil
- ~ sunflowers
- ~ animal fats
- ~ leftover cooking oil
- ~ algae

## What is

- ~ Domestic and renewable
- ~ Less pollution—smoke, smell, noise
- ~ No new vehicles required
- ~ Fill-n-go option at  $\leq$  B20
- ~ Less wear and tear
- ~ Cost competitive most of the time
- ~ Biodegradable, nontoxic

# What is

- ~ Fuel filter clogs
- ~ Gels faster than diesel, so precautions must be taken during wintertime use

# What is

- ~ Corn
- ~ Sugar cane
- ~ Switchgrass
- ~ Virtually any plant fiber

# What is Vonore?



Game  
Board

# What is

- ~ Domestic and renewable
- ~ Less pollution
- ~ Cost competitive
- ~ Increased power
- ~ Fill-n-go option at < E10
- ~ FFVs are available and affordable

What is

- ~ Lower fuel efficiency
- ~ Higher blend requires vehicle capable of handling level of alcohol
- ~ Need new gas stations
- ~ Getting heat in food vs. fuel debate



Game  
Board

# FINAL JEOPARDY

Make Your Wager!

How much are you willing to risk?

Click for  
Final  
Jeopardy  
Question

# FINAL JEOPARDY

Name 4 ways that you can decrease air pollution

Click for  
Final  
Jeopardy  
Answer



# FINAL JEOPARDY

What is

- ~Buy a FFV
- ~ Have your school become a Clean Fuels School
- ~ Carpool, bike, walk, bus
- ~Drive the speed limit
- ~Inflate your tires properly
- ~Lower the AC
- ~Idle less
- ~Don't drive aggressively
- ~Travel Light



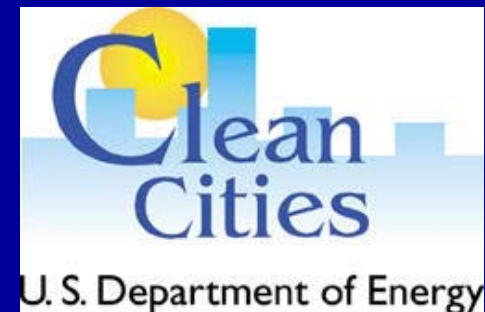
YOU WIN  
Click to  
End

# ETCF JEOPARDY!

Brought to you by the **East Tennessee  
Clean Fuels Coalition**



Check out our website:  
[ETCleanFuels.org](http://ETCleanFuels.org)



If you would like to use this  
Jeopardy game, please contact:  
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