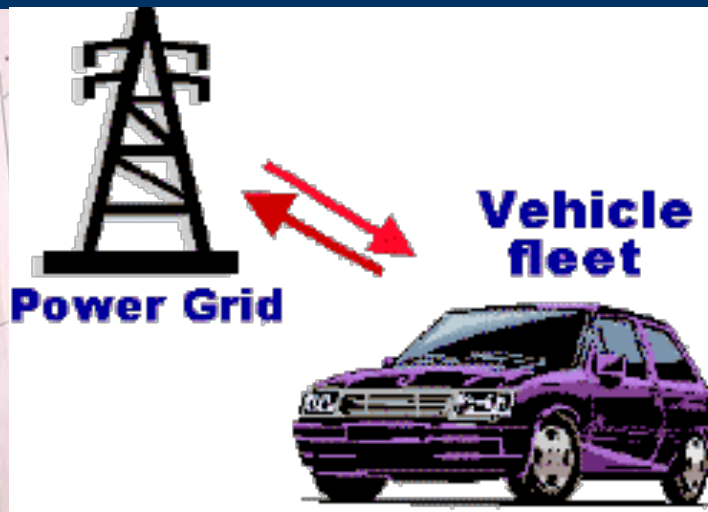




# Climate Solutions

## Transportation in the clean energy economy



**Beyond Oil**  
**09.05.08**

K.C. Golden  
Policy Director

# “We are addicted to oil”

## Symptoms:

***Economic hemorrhaging***: Over \$450 M  
*per month* in King County

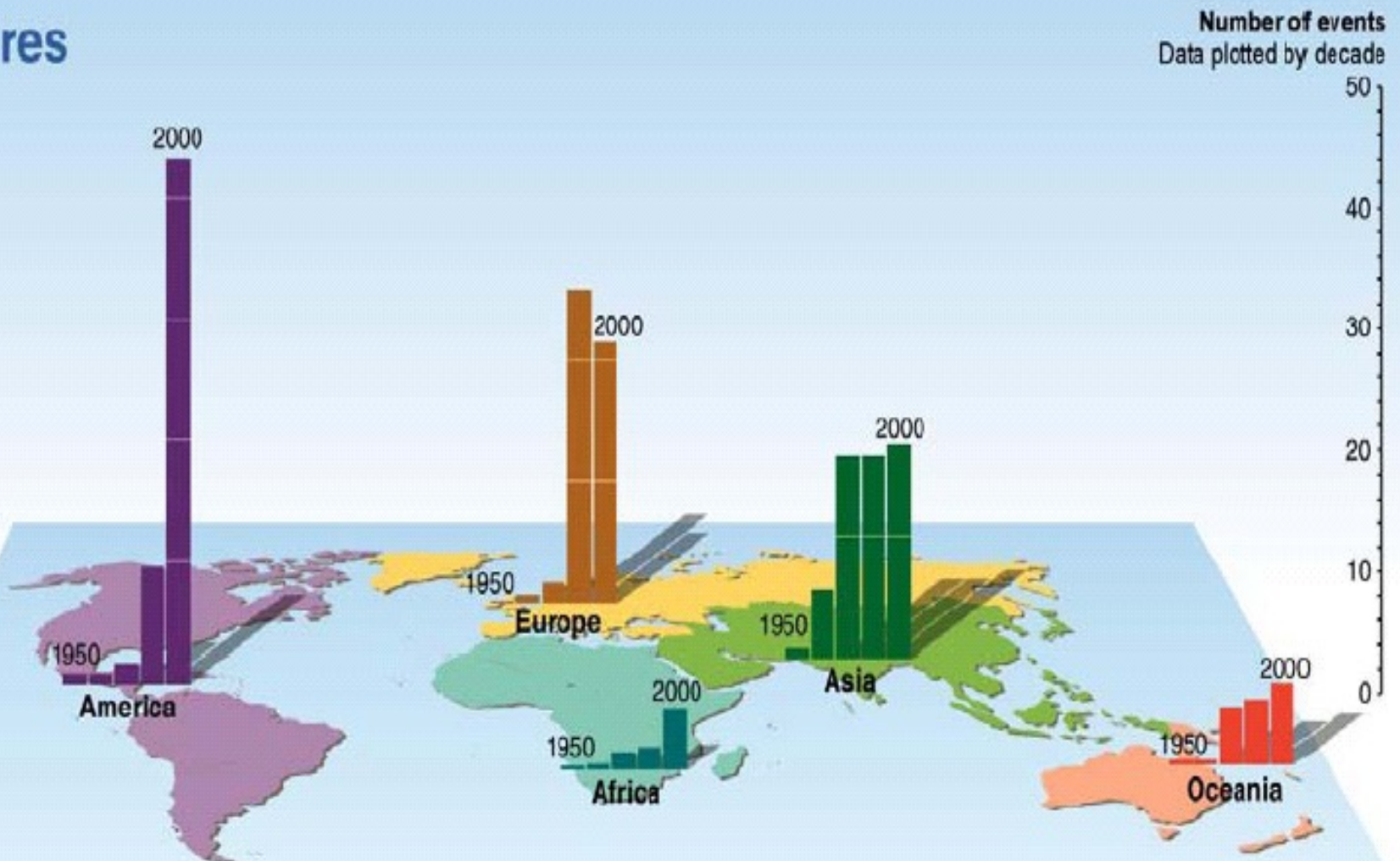
***Fever***: 5-8 degrees F. increase likely this  
century in PNW





**Appendix Figure A.8. Number of Major Wild Fires by Continent and Decade Since 1950 (C16, Fig 16.9)**

**Wild fires**



Source: Millennium Ecosystem Assessment

# “We are addicted to oil”

## Symptoms:

***Economic hemorrhaging***: Over \$450 M  
*per month* in King County (see counter)

***Fever***: 5-8 degrees F. increase likely

***Acute national insecurity***: “Paying for  
both sides of the war on terror”

# Treatments for fossil fuel addiction

- Gas tax holiday: Make the drugs cheaper
- Expand exploration and production:  
Increase the supply of drugs

- **Quit:** Steadily reduce dependence.....

....by building a clean energy economy....



# Scale matters

*How much do we have to reduce climate pollution?*

**Enough to stabilize the concentration of GHGs in the atmosphere “at a level that would prevent dangerous anthropogenic interference with the climate system.”**

*How much is that?*

**Avoid increases in average global temperature of > 2 degrees C**

*How much is that?*

**Stabilize the concentration of GHGs at 350-450 ppm**

*So how much do we have to reduce climate pollution?*

**80% by 2050. More in the U.S.**

# Transportation CO<sub>2</sub>

**Vehicles**

**Fuels**

**VMT**



Center for  
Clean Air Policy

1/3 of US CO<sub>2</sub> emissions & growing fast



Not just “low-hanging fruit”.....



*L.A. to S.F. in 2.5 hours*

# Where will the power come from?



**Cap carbon, and we'll find out**

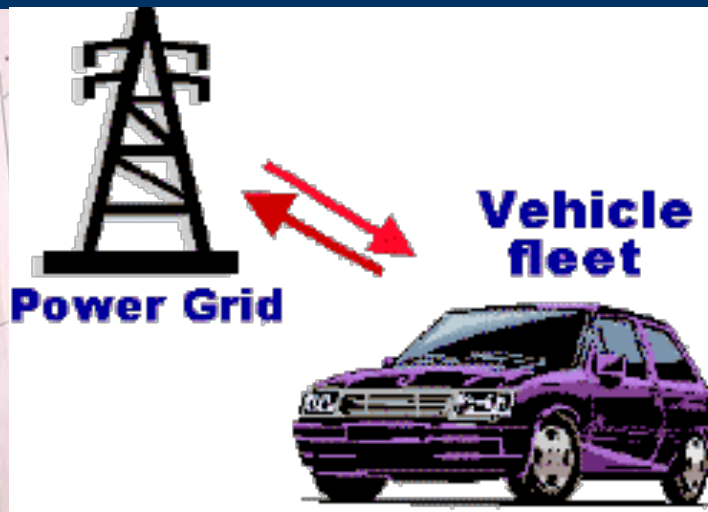






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