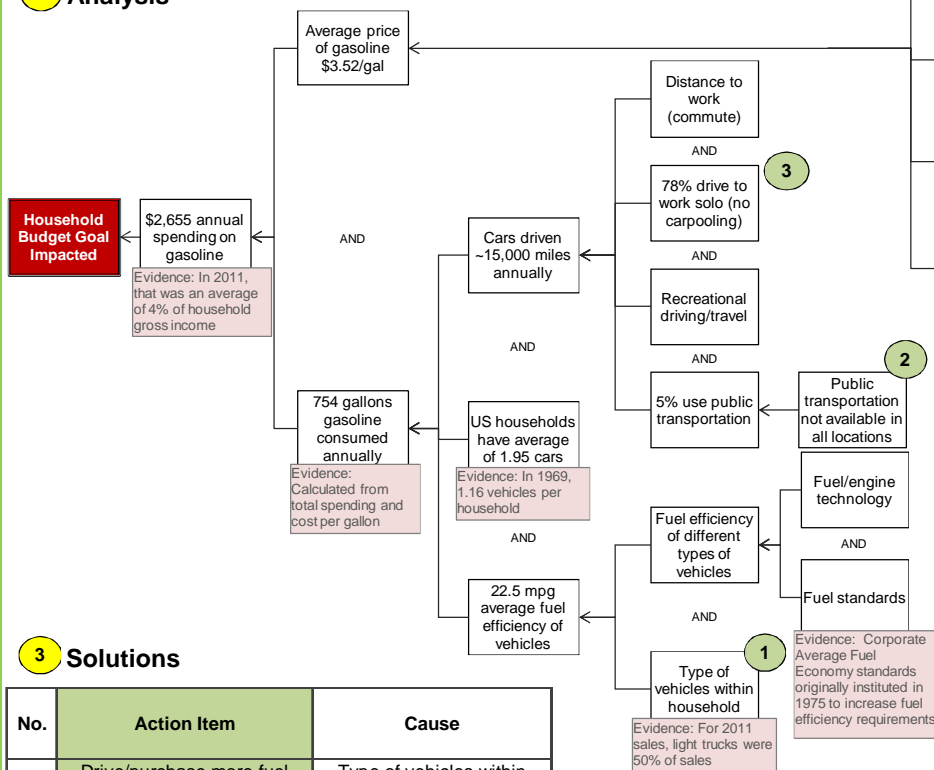


# 1 Problem

<b>What</b>	Problem(s)	High price of gasoline, impact to household budget, impact to lifestyle, greedy oil companies, crude price too high
<b>When</b>	Date	2011 (data provided from 2011)
	Different, unusual, unique	Price of gasoline consistently over \$3.00/gal, increased oil demand in China/India
<b>Where</b>	Facility, site	United States
	Task being performed	Normal family operations
<b>Impact to the Goals</b>	<b>Household Budget</b>	\$2655 annual spending on gasoline (2011), averaging 4% of gross income

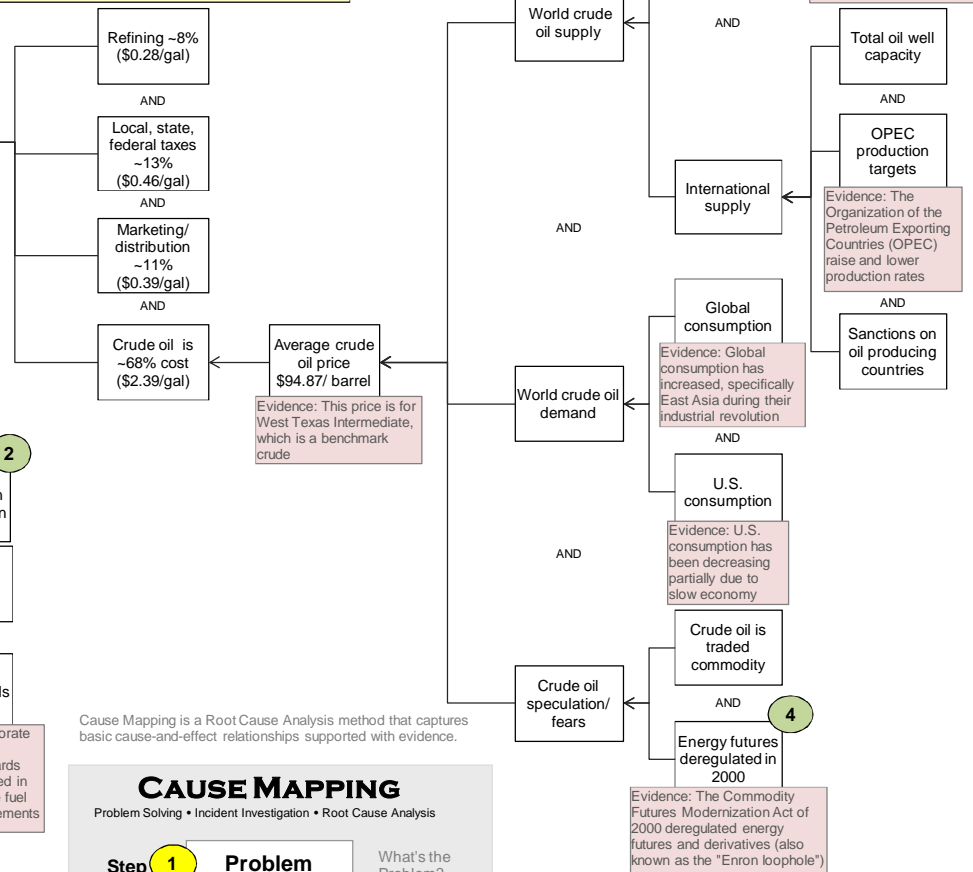
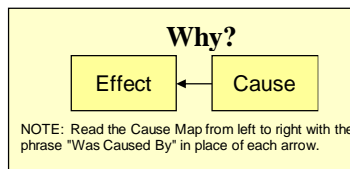
# 2 Analysis



# 3 Solutions

No.	Action Item	Cause
1	Drive/purchase more fuel efficient vehicles	Type of vehicles within household
2	Add/use public transportation	Public transportation not available in all locations
3	Carpool with co-workers, friends, spouse, etc.	78% drive to work solo (no carpooling)
4	Pass law to regulate energy futures	Energy futures deregulated in 2000

## Impact of Gasoline Spending on US Household Budgets



Cause Mapping is a Root Cause Analysis method that captures basic cause-and-effect relationships supported with evidence.

### CAUSE MAPPING

Problem Solving • Incident Investigation • Root Cause Analysis

**Step 1 Problem** What's the Problem?

**Step 2 Analysis** Why did it happen?

**Step 3 Solutions** What will be done?

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