THE IMPENDING WORLD ENERGY MESS

Presented at the Economics of America's Oil Dependence Panel 2325 Rayburn House Office Building July 14, 2011

> Roger H. Bezdek, President Management Information Services, Inc. Washington, D.C. rbezdek@misi-net.com



Messages

- In next 5 years, world oil production will begin to decline; shortages will worsen until mitigation takes hold.
- Oil production correlates with GDP, so deepening shortages worldwide mean deepening economic distress.
- There will be no quick fixes. Even crash program mitigation will take more than a decade to impact.
- · "Oil is energy but all energy is not oil."
- Societal priorities will change dramatically.
 Compromises will be required. Years of energy hopes & fantasy will yield to energy pragmatism.

WORLD ENERGY MESS

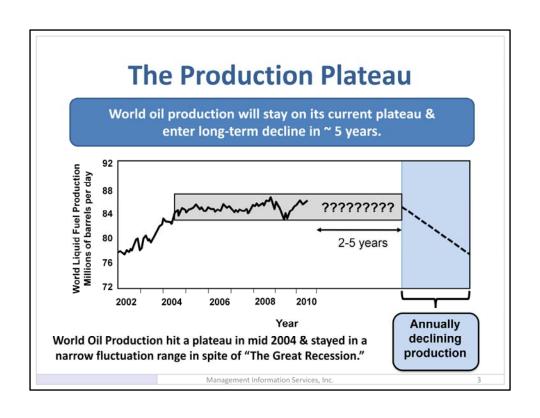
What it is And What it Means To YOU

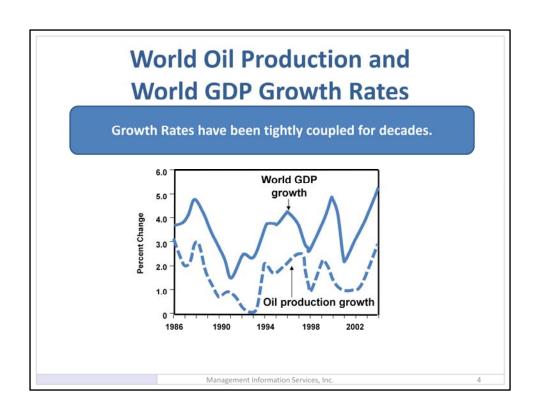


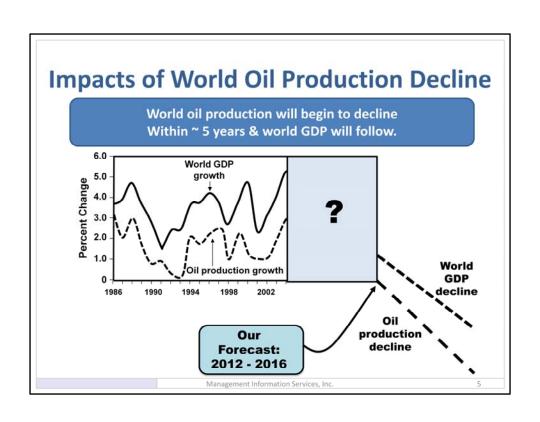
ROBERT L. HIRSCH ROGER H. BEZDEX

Management Information Services, Inc.

)



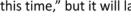




Shock of World Oil Production Decline

1973 & 1979 tell us what will likely happen when shock of world oil production decline becomes widely realized

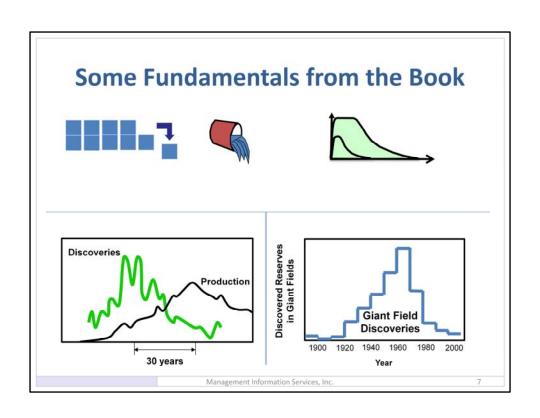
- · Sudden panic, disorientation, & insecurity
- · Immediate liquid fuel shortages.
- · Large increases in fuel prices.
- Difficult commuting.
- · Increasing inflation.
- Growing unemployment.
- Declining real estate prices in areas far from work or pubic/mass transportation. Vacation & entertainment areas hard hit.
- · Deepening recession until effective mitigation takes hold.
- "It will be the similar this time," but it will last much, much longer.



Management Information Services, Inc.

6

FEAR



Mitigation Approaches

Administrative

• Price Controls, Rationing, etc.

Physical

- Fuel Efficient Transportation
- Heavy Oil/Oil Sands
- Coal-to-Liquids (CTL)
- Enhanced Oil Recovery (EOR)
- Gas-to-Liquids



gasoline rationing coupon



CTL plant

Management Information Services, Inc.

8

