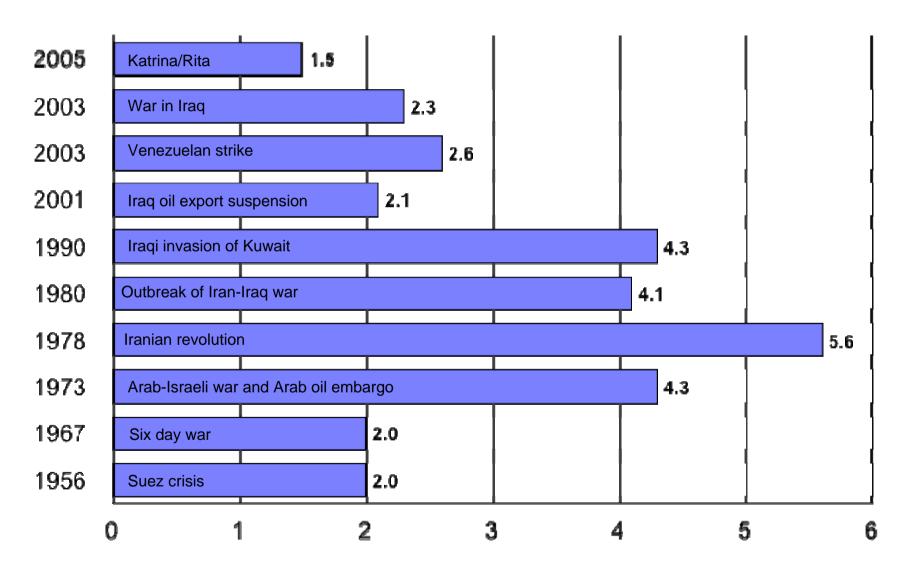


"Americans have to be hit over the head with a 2 x 4."

Dr. James Schlesinger



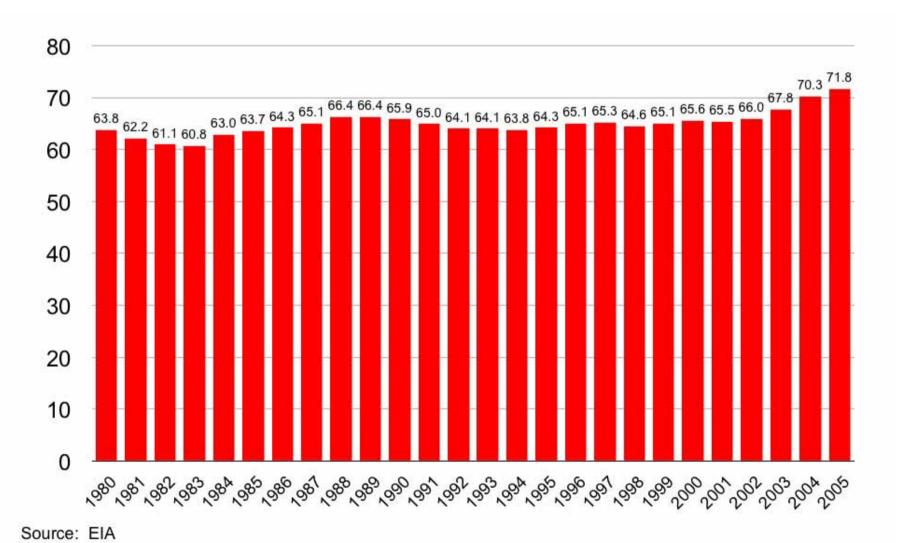
Major world oil supply disruptions



Source: IEA Response System for Oil Supply Emergencies

Gross peak supply loss (mb/d)

World Per Capita Energy Consumption (mbtu)



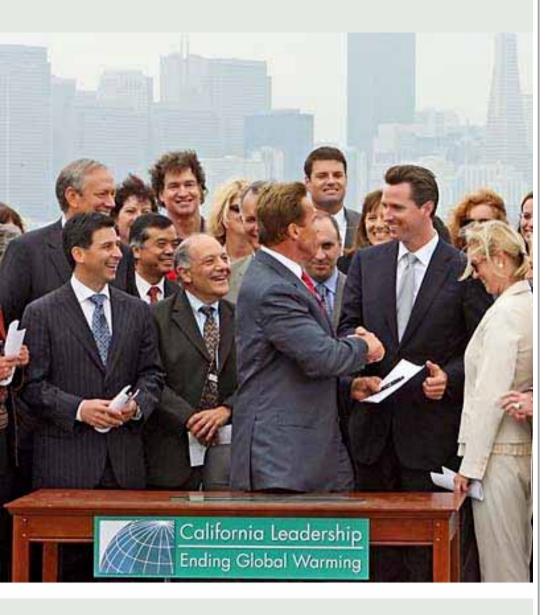
Our decision about energy will test the character of









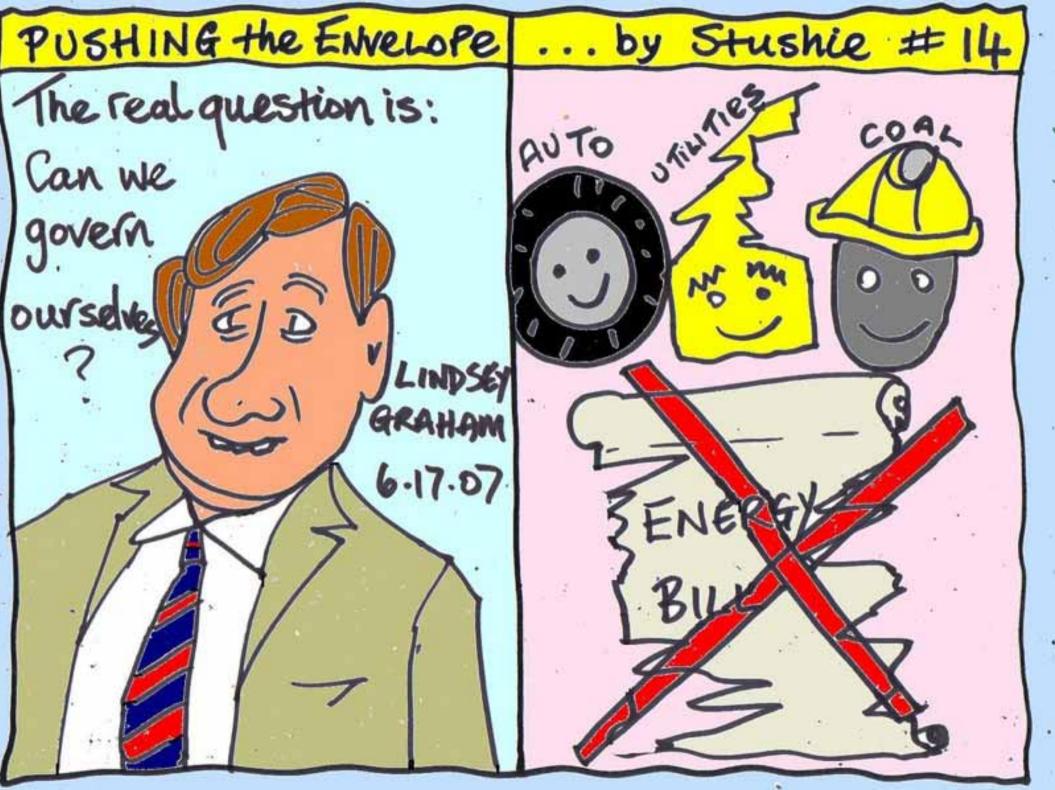


PROPOSED EARLY ACTIONS TO MITIGATE CLIMATE CHANGE IN CALIFORNIA



April 20, 2007







Climate Change and Energy Taskforce Final Report

A Call for Action

Brisbane City Council

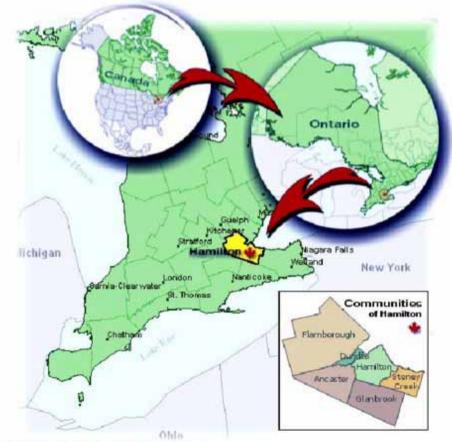
12 March 2007

MAUNSELL AECOM

HAMILTON: THE ELECTRIC CITY



April 13, 2006





This report has been written for the City of Hamilton.

Richard Gilbert wrote the report helped by Julie McGuire.

Al Cormier and Brian Hollingworth provided input.

Richard Gilbert is entirely responsible for the contents.

Enquiries should be addressed to richardgilbert@sympatico.ca.

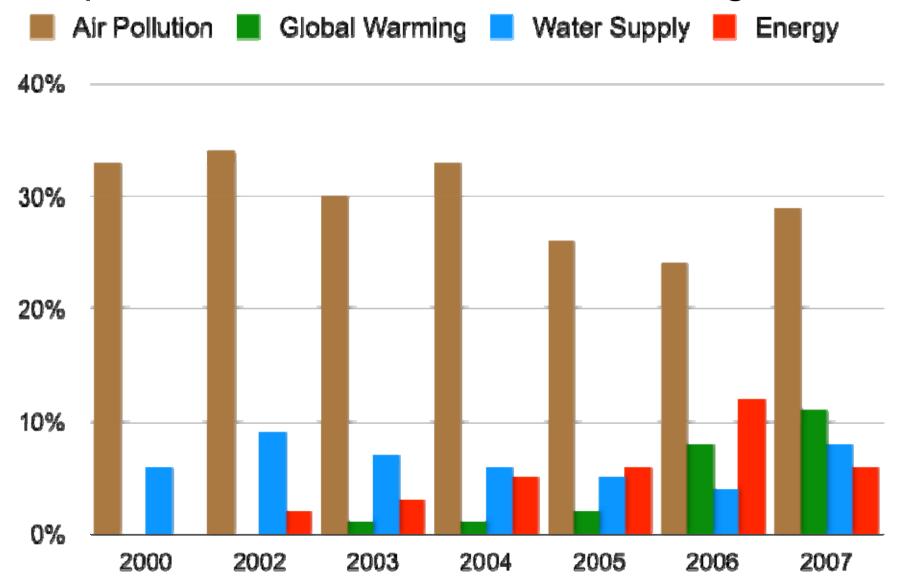
Brisbane, Australia

Hamilton, Canada



Statewide Survey:

Most Important Environmental Issue Facing California



Source: Public Policy Institute of California



How many times does the term "peak oil" appear in an article in the *Oregonian*?

127

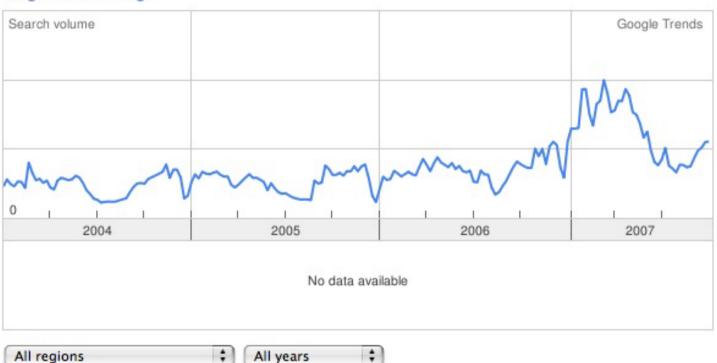
How many times does the term "peak oil" appear in an article of the Los Angeles Times?

Zero

by far the most terrifying film you will ever see. aninconvenienttruth A GLOBAL laying in select theaters

Trend history





No news articles we

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R	е	q	İ	o	n	S

- 1. Philippines
- 2. Australia
- 3. New Zealand
- 4. India
- Canada
- 6. United States
- 7. United Kingdom
- 8. Germany

Cities

- 1. Delhi, India
- 2. Brisbane, Australia
- 3. Auckland, New Zealand
- 4. Melbourne, Australia
- 5. Sydney, Australia
- 6. Washington, DC, USA
- 7. Toronto, Canada
- 8. Los Angeles, CA, USA
- 9. Seattle, WA, USA
- 10. San Francisco, CA, USA

Local Government Action Growing Rapidly



http://www.seattle.gov/mayor/climate

As of September 11: 691 Mayors (104 in California) over 200 added since March

An alternative framework.



Nation & World

Health

Money & Business

Education

Opinion

Photos & Video

Rankings

Your Money

Higher Utility Bills Face Homeowners

Posted September 2, 20 MION US households

Despite the pleasant early autumn weather warming much of the country, sky-high heating costs are in store this winter and many of the nation's households are in the grips of a home energy crisis, says a coalition of state officials, the AARP, and the nation's true and the nation's true and the says a coalition of state officials, the AARP, and the nation's true and the says a coalition of state officials, the AARP, and the nation's true and says a coalition of state officials. The rost of calling of the Busic and the says a coalition of state officials, the AARP, and the nation's true and says a coalition of state officials.

Abstrockly finds in this to triggincy to will despear up of the represented by congress, if they are not released by september 30. Some 1.2 million 1.5. households were disconnected from electric and natural gas service this summer due to failure to pay utility bits as the hadrocal charge assist men here as variation like were adelicated for the winter.

(Peter Dazeley/P) cographer's Choice/Getty Indige:

Lea uny oil at it rope he rest it is win ea will be un 28 per cent by rule it real NAEDA

projects, with the average heating bill for homes using those fuels ranging from \$1,00 to \$1,800. That's roughly double the average cost of heating a house from 2000 to 2005. Natural gas and electricity costs also are expected to be up 6 to 7 percent this year, with the average winter heating bill at about \$880. "These record prices will place a significant burden on low- and moderate-income families this winter," says Mark Wolfe, director of NAEDA. "We are calling on the administration...to help poor families pay for the first tank of fuel as well as cover outstanding arrearages from high cooling costs this summer."





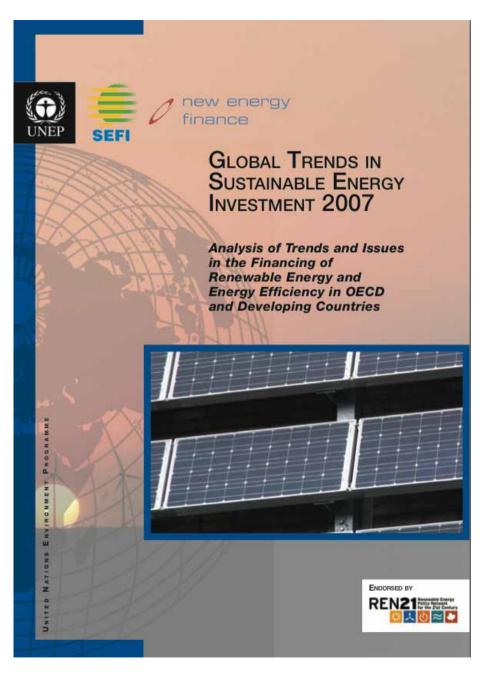


Municipal Opportunities

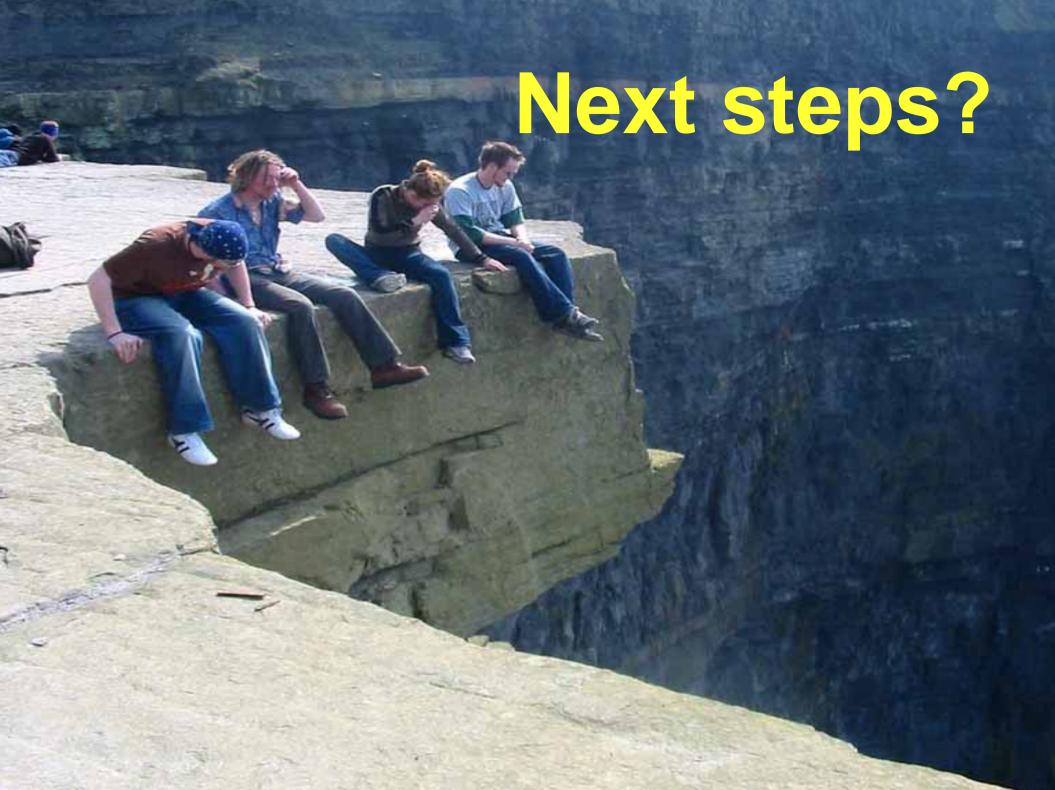
- Waste (recycling, methane capture)
- Energy Efficiency (LED, retrofits, rebates, green bldg.)
- Transportation (transit, fleets, car sharing, biking)
- Renewables (green power purchases, solar, wind)
- Other (green purchasing, carbon trading, landscaping)

Table 1: Summary of Estimated Energy Efficiency Project Costs, Rebates, Energy and Cost Savings

*	Energy Opportunity	Est. Annual Electrical Savings (kWh)	Peak Demand Reduction (kW)	Est. Annual Cost Savings (\$)	Total Est. Implementation Cost (\$)	Est. SCE Rebate (\$)	Final cost with rebate (\$)	Simple Payback (Years)	ROI (%)			
1	Retrofit existing T8 lamps and T12 lamps. Install 3rd generation T-8 lamps and electronic ballasts	amps and T12 lamps. Install 3rd generation 171,885 57.1 \$21,663 \$23 (-8 lamps and		\$230,366	75,914	154,452	7.13	14				
2	CFLs	55,490	23.4	\$7,544	\$6,258	\$2,820	\$3,438	0.46	219			
3	Install Hibay T8s	70,232	28	\$9,364	\$18,000	\$4,800	\$13,200	1.41	71			
4	Install LED Exit Signs	6,167	0.7	\$943	\$1,920	\$864	\$1,056	1.12	89			
5	Vending Misers	24,232	2.8	\$3,085	\$2,400	\$990	\$1,410	0.46	219			
6	Repair Compressed Air Leaks	6,045	0.7	\$808	\$150	\$0	\$150	0.19	539			
7	Install Energy Efficient Motors	12,790	1,4	\$1,663	\$4,744	\$600	\$4,144	2.49	40			
8	Install New Tennis Court and Ball field lighting	73,579	38.8	\$22,763	\$123,500	\$6,300	\$117,200	5.15	19			
9	Install a Cool Roof	309,744	144.0	\$40,267	\$67,390	\$0	\$67,390	1.67	60			
10	Install Window Tinting	650,474	148.0	\$69,784	\$339,627	\$152,832	\$186,795	2.68	37			
	Totals	1,380,638	445.1	\$177,884	\$794,355	\$245,120	\$549,235	3.09	32			



- Investment driven by policy
- 2006 Investments:\$70.9
 billion (43% increase over 2005)
- Venture capital and private equity inc'd from \$2.7 b in 2005 to \$7.1 b in 2006
- R&D inc'd from \$13
 billion in 2005 to \$16
 billion in 2006



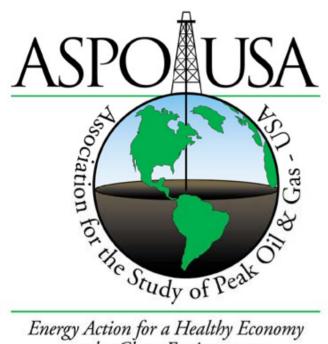
Thank you!



http://web.mac.com/energyinfo

2007 Houston World Oil Conference

Proceedings



Energy Action for a Healthy Economy and a Clean Environment

- Conference Program
- Conference DVD
- Video Highlights
- Peak Oil Review
- **ASPO-USA**