



Nineteenth Annual Endicott House Symposium

***Opportunities for Technology and Policy Innovation
in Energy and Environment***

August 16-18, 2011

MIT Endicott House, Dedham, Mass

Praveen Amar

Senior Advisor, Technology and Climate Policy

Clean Air Task Force

(Before that, at NESCAUM, when planning for the 2011 symposium started)



Clean Air Task Force is a non-profit organization dedicated to reducing atmospheric pollution through research, advocacy, innovation, and private sector collaboration.

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Politics and the English Language: Essay by George Orwell (1950)

(applies just as well to science, policy, and the English Language)

- “Most people who bother with the matter at all would admit that the English language is in a bad way, but it is generally assumed that we can not by conscious action do anything about it.... Underneath this lies the half-conscious belief that language is a natural growth and not an instrument which we shape for our own purposes.... A man may take to drink because he feels himself to be a failure, and then fail all the more completely because he drinks. It is rather the same thing that is happening to the English language. It becomes ugly and inaccurate because our thoughts are foolish, but the slovenliness of our language makes it easier for us to have foolish thoughts.

Politics and the English Language (contd.): But, Orwell notes that there is a way out.

- “The point is that the process is reversible. Modern English, especially written English, is full of bad habits which spread by imitation and which can be avoided if one is willing to take the necessary trouble. If one gets rid of these habits one can think more clearly, and to think clearly is a necessary first step toward political regeneration so that the fight against bad English is not frivolous and is not the exclusive concern of professional writers.

**Now, here is well-known passage of good English:
A well-known verse from *Ecclesiastes*:**

- I returned and saw under the sun, that the race is not to the swift, nor the battle to the strong, neither yet bread to the wise, nor yet riches to men of understanding, nor yet favour to men of skill; but time and chance happeneth to them all.

Here it is in modern English (1950): A parody, but not a very gross one

- Objective considerations of contemporary phenomena compels the conclusion that success or failure in competitive activities exhibits no tendency to be commensurate with innate capacity, but that a considerable element of the unpredictable must invariably be taken into account.

Agenda

Nineteenth Annual Endicott House Symposium *Opportunities for Technology and Policy Innovation in Energy and Environment*

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WEDNESDAY, AUGUST 17

Start	Duration	End Time		
7:00 am	60 min	8:00	Full Breakfast	(Served at the Mansion)
Start	Duration	End Time	Speaker	Topic
8:00 am	5	8:05	Dick Gibbs, MIT Research Affiliate	Welcome
8:05	10	8:15	Praveen Amar, Senior Advisor, Technology and Climate Policy, Clean Air Task Force	Symposium Overview
8:15	45	9:00	Jason Grumet, President Bipartisan Policy Center	Opportunities in Policy Innovation (Keynote Address)
9:00	45	9:45	Eric Toone, Deputy Director, Technology DOE ARPA-E	The Advanced Research Projects Agency-Energy: A New Paradigm in Transformational Energy Research (Keynote Address)
9:45	15	10:00	Break	

The Future of Energy and Energy Innovation: A Diversity of Views

Start	Duration	End Time	Speaker	Topic
10:00	5	10:05	Bob Sawyer, Professor Emeritus UC Berkeley	Moderator
10:05	30	10:35	Melanie Kenderdine, Executive Director MIT-Energy Initiative	Enabling a Clean Energy Future
10:35	30	11:05	Jesse Jenkins Director, Energy and Climate Change The Breakthrough Institute	The Energy Innovation Imperative
11:05	30	11:35	David Levy, Director, Center for Sustainable Enterprise, University of Massachusetts	Business and the Transition to a Clean Energy Economy
11:35	30	12:05	Tom Eizember, Manager Corporate Strategic Planning Exxon Mobil Corporation	The Outlook for Energy: A View to 2030
12:05	90	1:35	Lunch	
<i>The Role of Energy Efficiency</i>				
1:35	5	1:40	Praveen Amar	Moderator
1:40	30	2:10	David Owen Author: <i>The New Yorker</i>	Jevons Effect and the Dilemma of Energy Efficiency
2:10	30	2:40	Nuri Demirdoven, Associate Principal, McKinsey & Company	Opportunities for Energy Efficiency in the U.S. Economy
2:40	15	2:55	Break	
<i>Transportation: Linking Policy, Regulations and Technologies</i>				
2:55	5	3:00	Dick Gibbs	Moderator
3:00	30	3:30	Anup Bandivadekar, Program Lead International Council for Clean Transportation	How Smart Regulations Drive Vehicle Innovation
3:30	30	4:00	Tim Johnson, Director Emerging Technologies and Regulations, Corning, Inc.	Review of CO2 Mitigation Technologies from On-Road Transport

Start	Duration	End Time	Speaker	Topic
4:00	30	4:30	Steve Caputo Jr., Policy Advisor NYC Mayor's Office of Long-Range Planning and Sustainability	<i>Plan NYC:</i> Preparing NYC for a Sustainable Future
<i>Future Directions in the Electric Sector Susan Wierman – Moderator (Part of session from August 18)</i>				
4:30	30	5:00	Kurt Yeager, Executive Director, Galvin Electricity Initiative	Smart-Grid: A Progress Report
5:00	30	5:30	Free Time	
5:30	60	6:30	Reception	
6:30	120	8:30	Dinner Piano by Patrick McKearn	

THURSDAY, AUGUST 18

Energy and Environmental Initiatives at the State Level

Start	Duration	End Time	Speaker	Topic
8:00 am	5 min	8:05	Praveen Amar	Moderator
8:05	30	8:35	Anthony Eggert, Deputy Secretary California Environmental Protection Agency	California's Clean Energy Future: Where do We Go From Here?
8:35	30	9:05	Janet Joseph, Vice-President, Technology and Strategic Planning NYSERDA	New York State Energy Innovation Efforts
9:05	30	9:35	Phil Johnson, Sr. Program Officer, Heinz Endowments	Environmental Impacts of Marcellus Shale Gas Development

Start	Duration	End Time	Speaker	Topic
9:35	30	10:05	Break and Check-out	
<i>Future Directions in the Electric Sector</i>				
10:05	5	10:10	Susan Wierman, Executive Director Mid-Atlantic Regional Air Management Association	Moderator
10:10	30	10:40	Johanna Wellington Advanced Technologies Leader, General Electric	The Business of Making Technology Opportunities Work
10:40	30	11:10	Sue Tierney Managing Partner, The Analysis Group	Future of Electricity Generation in the U.S.
11:10	30	11:40	Michael Bradley President, MJB and Associates	Regulation/Technology Interface in the Electricity Sector
11:40	90	1:10	Lunch	
<i>Innovation in Energy Storage</i>				
1:10	5	1:15	Dick Gibbs	Moderator
1:15	30	1:45	Matt Lazarewicz, Chief Technology Officer, Beacon Power Corp.	Flywheel Technology for Grid-Based Energy Storage and Frequency Regulation
1:45	30	2:15	Andy Chu, Vice President, A123 Systems	Prospects for Battery Technology: Grid and Personal Vehicle Applications
2:15	10	2:25	Break	
<i>Eyes on the Earth</i>				
2:25	5	2:30	Dick Gibbs-Moderator	Introduction
2:30	30	3:00	Dianne Dumanoski Author: <i>The End of the Long Summer</i>	The Ultimate Stakes: Climate Disruption and the Fate of Civilization
3:00	10	3:10	Wrap-Up Q/A and Discussion	Praveen Amar and Dick Gibbs