

The Commonwealth's Clean Energy Agenda

NESEA BuildingEnergy08

Wednesday March 12, 2008

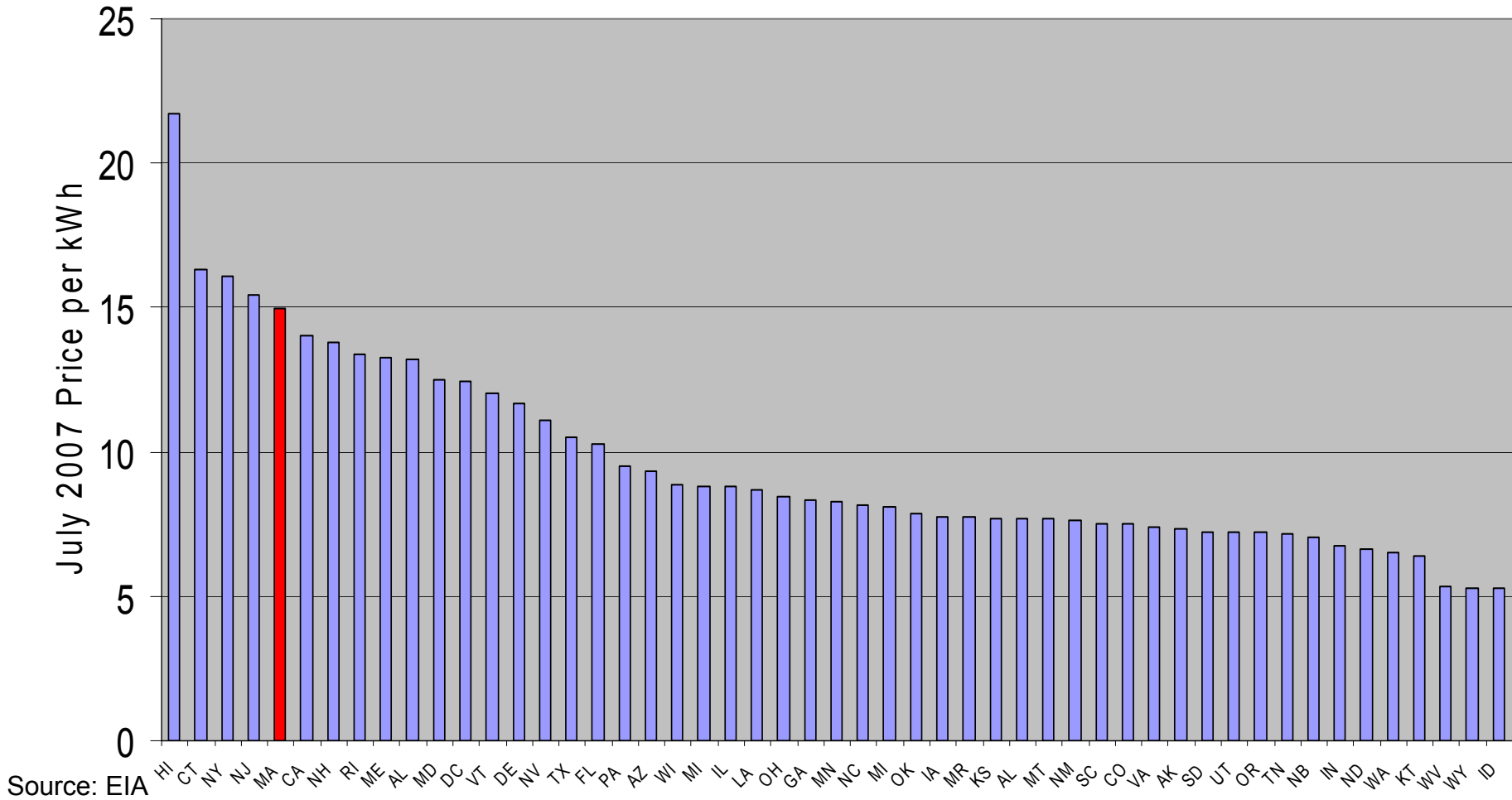
David Cash
Assistant Secretary for Policy



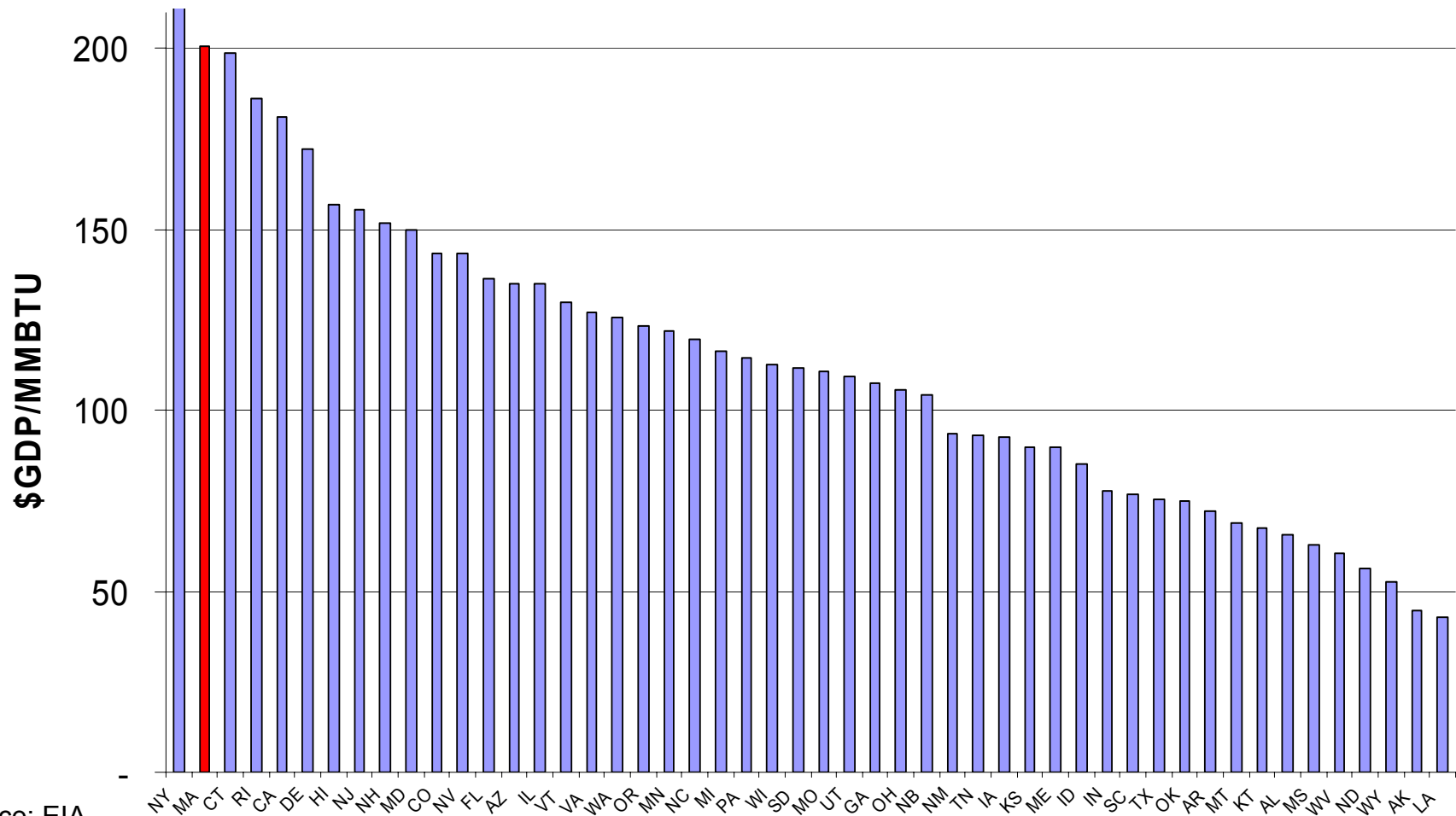
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High electric prices



But, Lots of \$GDP for the BTU

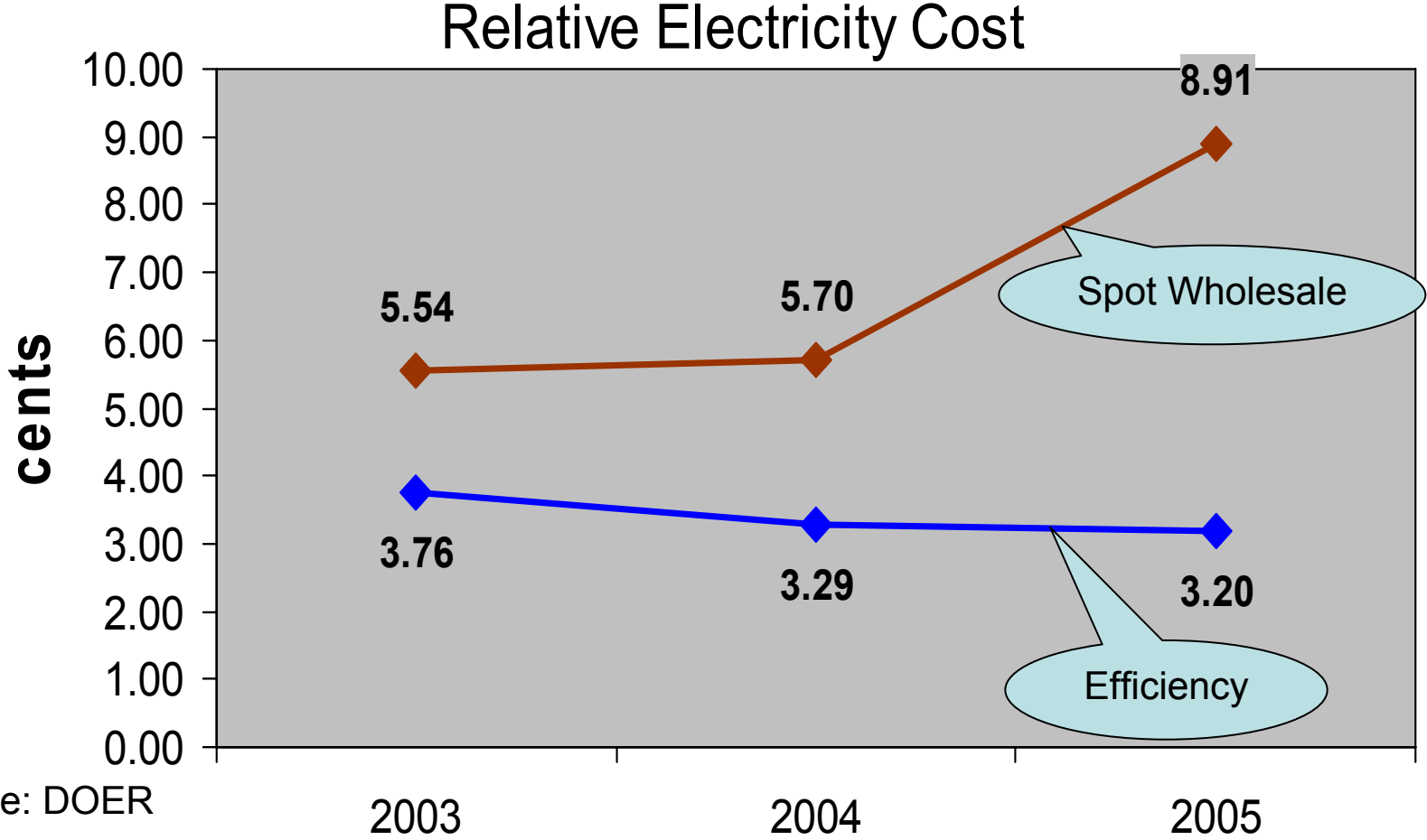


Source: EIA



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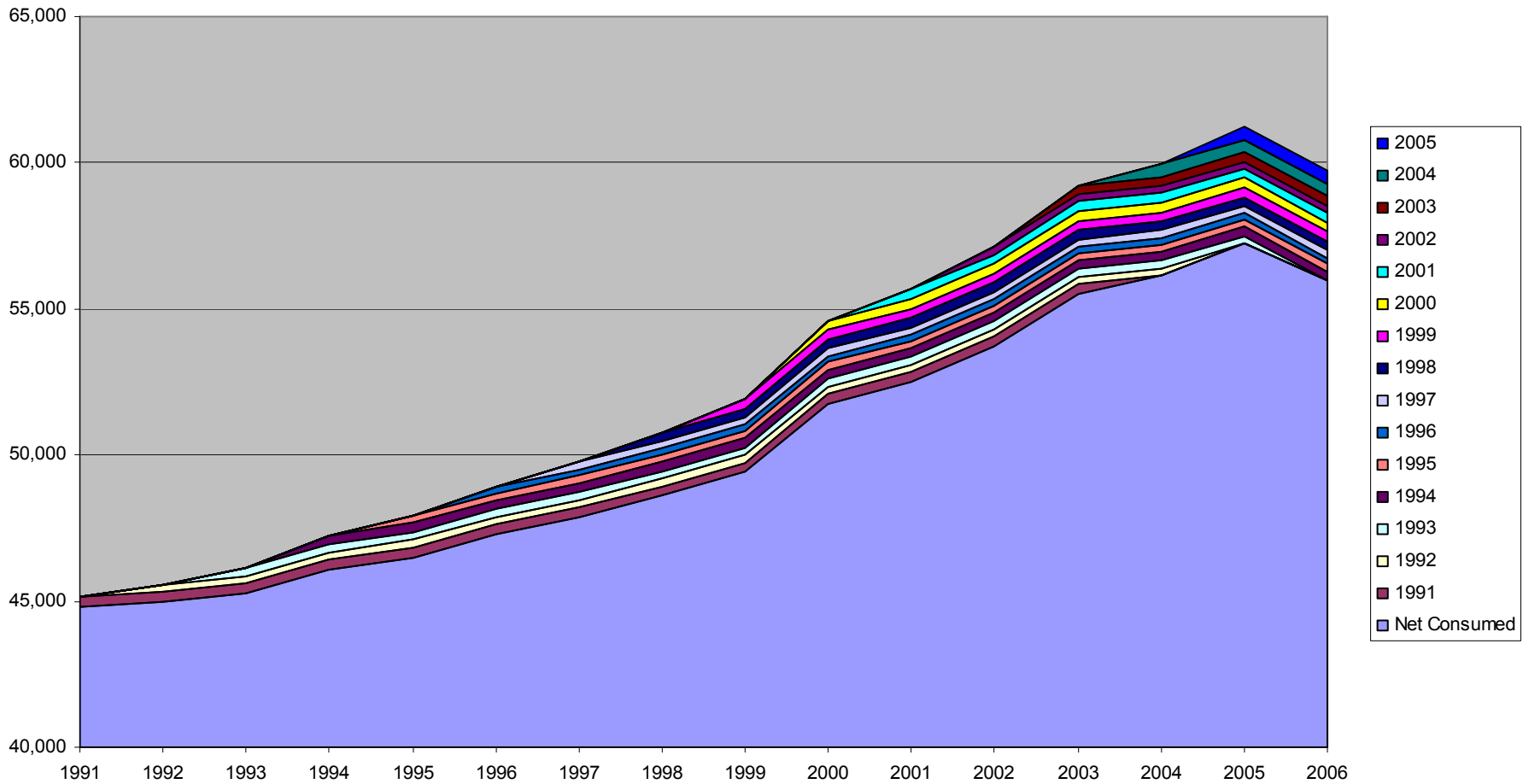
Efficiency is low cost option



Source: DOER



Efficiency provided 4 TWh 2006



Source: DOER



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Unleashing Efficiency

- Combined Energy and Environment Agencies
- Energy legislation: least cost procurement; building codes
- Leading by Example: Executive Order 484 establishing ambitious goals for energy efficiency, renewable energy, and emissions reductions for state agencies
 - 20 percent less energy use by 2012, 35 percent by 2020
 - 25 percent lower GHG emissions by 2012, 40 percent by 2020, 80 percent by 2050
 - 15 percent of energy use from renewables by 2012, 30 percent by 2020
- Initiated “decoupling” proceeding at reconstituted DPU.
- Set goal, with House Speaker and Senate President, of meeting all increased electricity demand by energy efficiency (zero load growth) by 2010
- DEP/DOER Energy Management Pilot for Wastewater and Drinking Water plants – single largest portion (30 percent) of electricity bill for municipalities.
- Launched pilot program to test plug-in hybrid automobiles for state fleet.
- Zero Net Energy Buildings

Driving Renewables

- Approved environmental review for Cape Wind.
- Energy Legislation: Long-term contracts
- Leading by Example:
 - 12 solar projects
 - Wind feasibility at several sites: DOC, Mt. Wachusett CC, MassPike, etc.
- Launched Commonwealth Solar
 - Dedicated \$68 million for four years for 27 MW.
 - Goal of installing 250MW by 2017.
- Biofuels legislation and Advanced Biofuels Task Force



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Clean Energy Sector

- Evergreen Solar – PV manufacturing facility in Mass. ~ 300 jobs
- Wind Technology Testing Center – won DOE competition to host one of two facilities in the country for testing large-scale wind-turbine blades, making Mass. a center of wind-power R&D
- Leading by Example:
 - GreatPoint Energy/Dominion joint program to test coal and biomass gasification for clean-burning fuel at Brayton Point power plant.
 - Advanced Biofuels Task Force: Report due March 31.

Massachusetts Advanced Biofuels Task Force



Climate Change

- Joined Regional Greenhouse Gas Initiative (RGGI)
 - 100% auction of allowances
 - Chairman Markey's committee
- Incorporated Greenhouse Gas analysis and mitigation in state environmental review under MEPA for large projects
 - Harvard Allston – first ever legally enforceable commitment to Greenhouse Gas emissions reduction in a major real estate development
- Climate change roadmap
 - Business as Usual
 - What's in the pipeline

