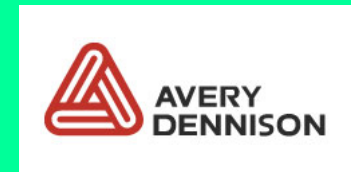
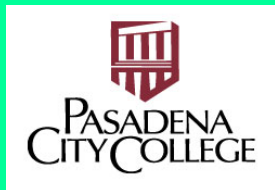
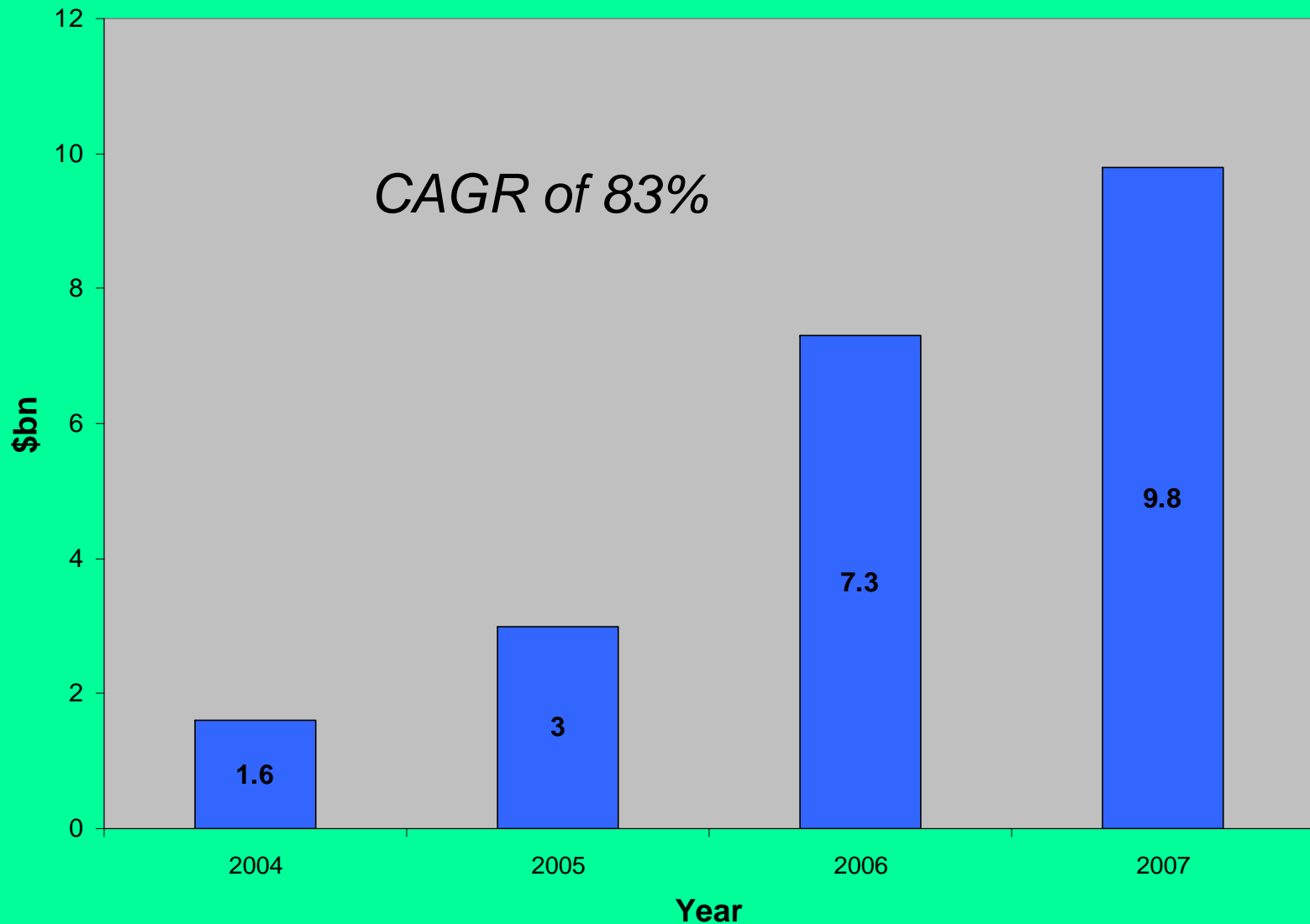


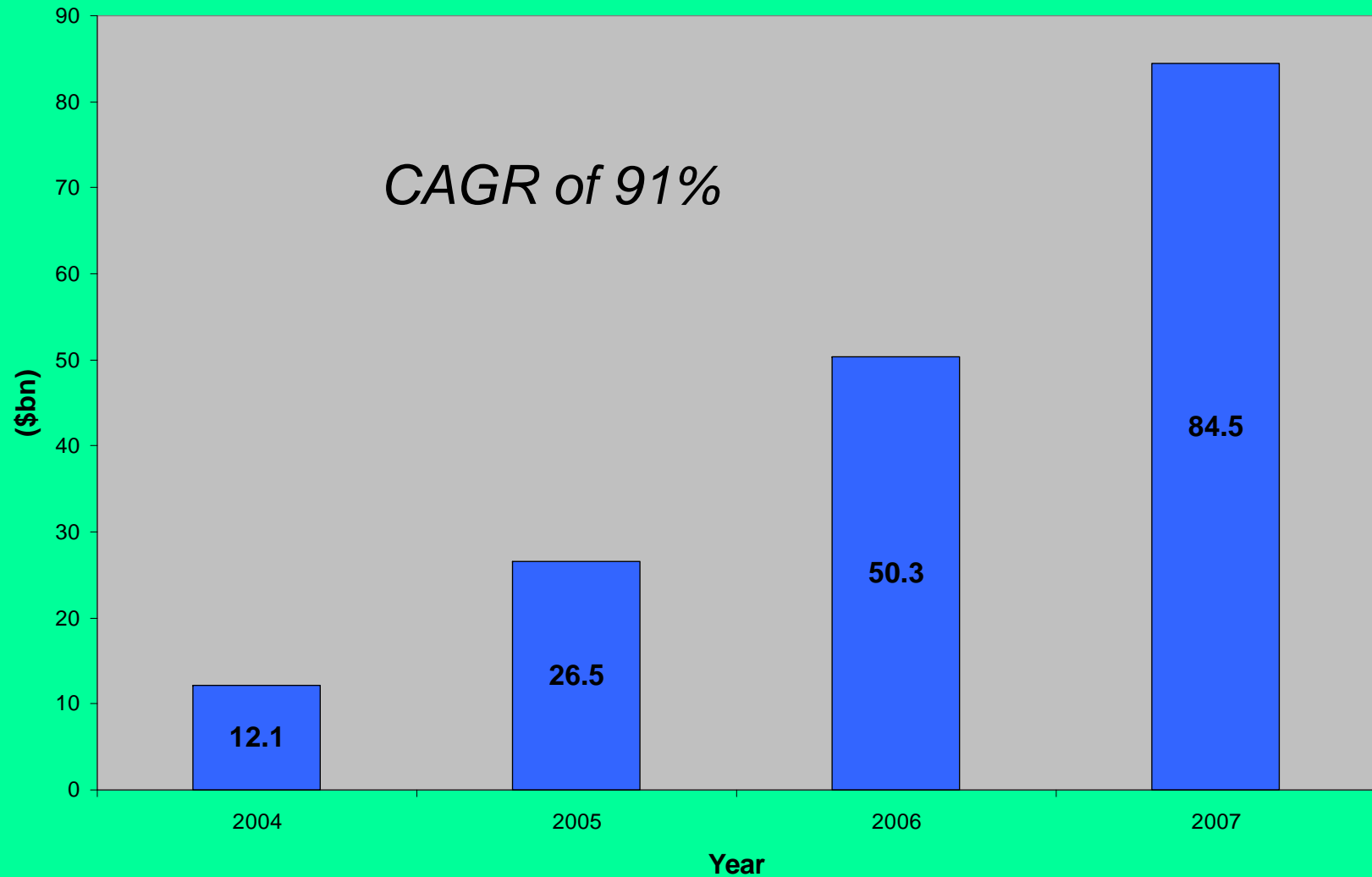
GreenTech2008 Sponsors



VC/PE Investment in Clean Energy*



Asset Investment in Clean Energy*



Global Energy

- Supply growth of fossil fuels outpaced by demand growth
- Oil, gasoline and diesel prices at record highs
- Energy hungry emerging market GDP growth 3-4 times US & EU
- Emerging markets are cutting fuel subsidies
- Increasing concerns over global warming & pollution

- *There is no simple answer!*
- *But*
- *Solutions to sustainable electricity and liquid fuel supply are developing*

Increasing Energy and Feedstock Prices

Dow: Country in "true energy crisis"; ups prices
May 28, 2008 5:13 PM ET

(AP) - Better start stocking up on diapers and detergent.

“Consumers hit hard in recent months by sharply higher prices for gasoline and food should prepare to start paying more for various household items following Dow Chemical Co.'s decision to raise its prices by up to 20 percent to offset the soaring cost of energy.”

“Dow Chemical said it spent \$8 billion on energy and hydrocarbon-based feedstock, or raw materials, back in 2002 and that could climb fourfold to \$32 billion this year.”

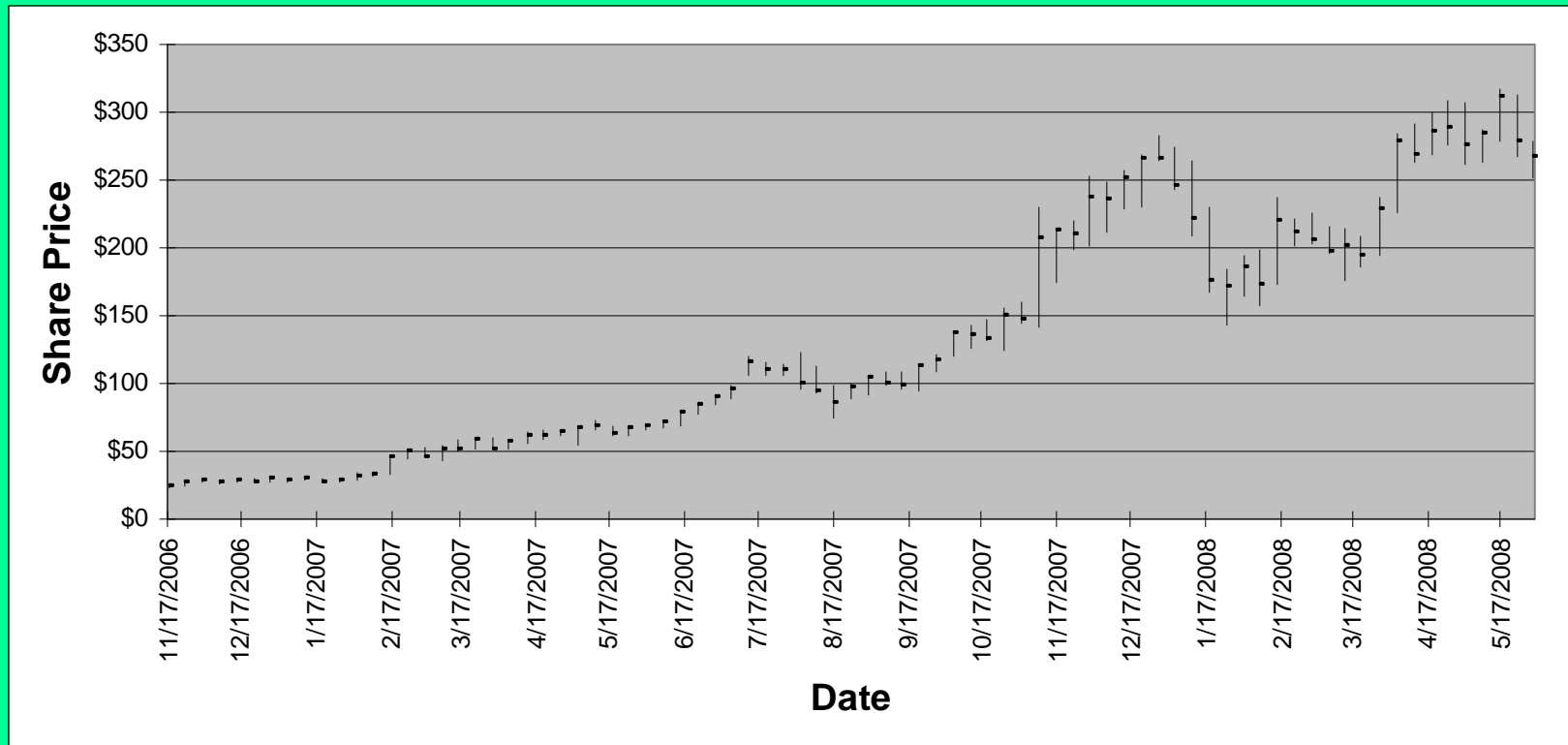
Power from the Sun*



- Global PV market grew by more than 40% in 2007
 - Equivalent to 2.3 GW of newly installed PV capacity
 - Germany (1150 MW)
 - Japan, Spain and USA (~300 MW each)
- 500 MW or 20% of new capacity was thin film
- Solar Thermal and Solar Concentrators are becoming increasingly important

*Data from European Photovoltaics Industry Association (EPIA)

First Solar (CdTe Thin Film)



Current Market Capitalization > \$20 Billion

Investment Tax Credit for Solar

- 30% investment tax credit currently is set to expire 12/31/2008
- Narrows gap between \$0.20 - \$0.40 per KWh for solar and \$0.08 - \$0.23 per KWh from utility companies
- House passes bill HR 6049 “Renewable Energy and Job Creation Tax Act” in May, 2008
- The House bill would extend solar/fuel cell investment credit by (6) years
- Senate bill S.2821 (the companion bill) was introduced on 4/3/2008 and is being investigated by Senate committee but has not yet been debated
- The Senate bill would extend solar tax credits through 2016



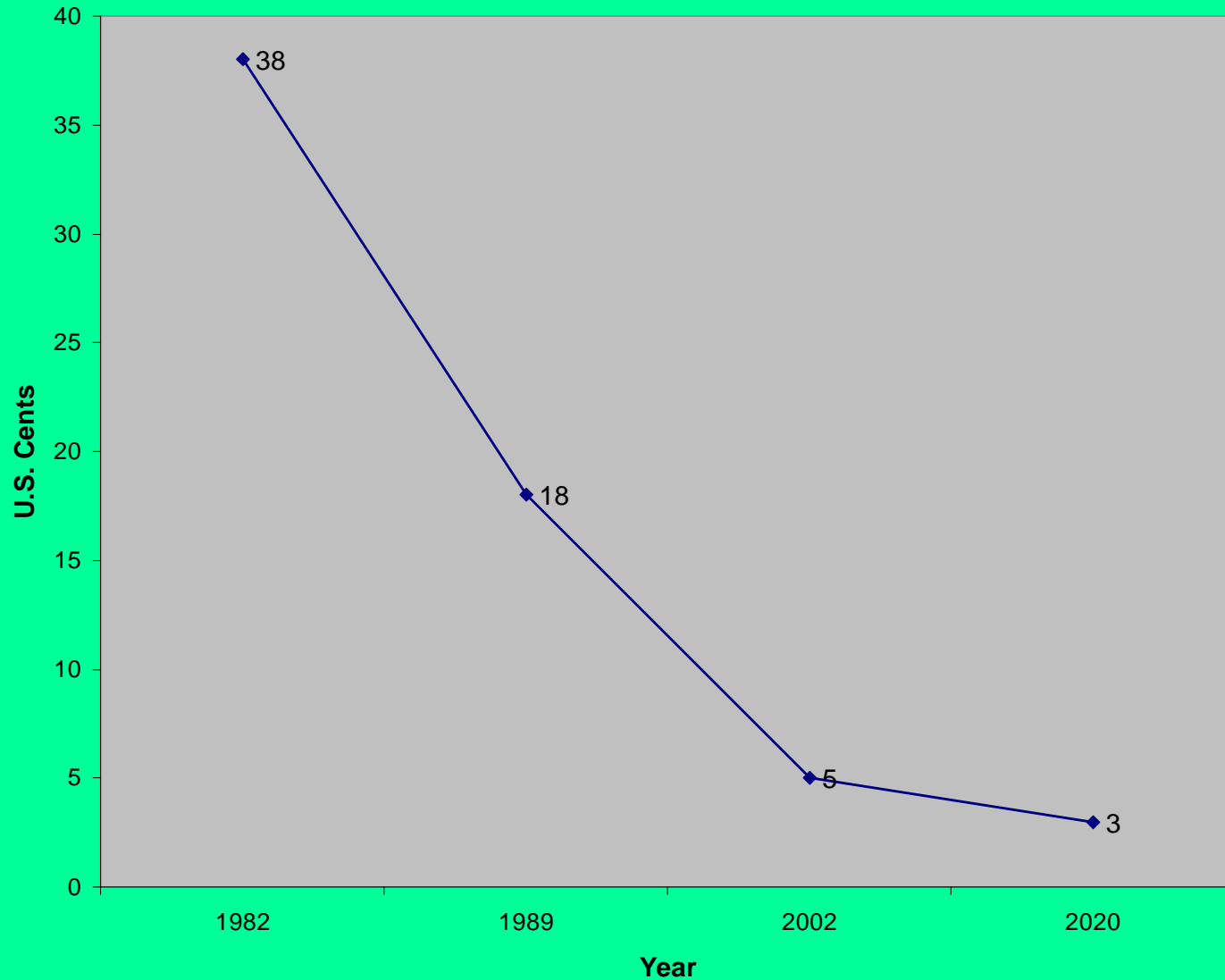
Power from Wind*



- Global wind market grew by more than 27% in 2007
 - Equivalent to 20 GW of newly installed capacity
 - USA (5.2 GW)
 - Spain & China (~3.4 GW each)
- CAGR of newly installed capacity ~ 25%
- Current global capacity of 94 GW = 1.3% global electricity demand

*Data from World Wind Energy Agency (WWEA)

Average Cost Per KWh of Wind-Generated Electricity, with Projection to 2020*



Energy from Fission



- Carbon free energy generation
- 439 Uranium-based reactors operational today
- 70% are more than 20 years old
- UK considering 10 new reactors
- US NRC expecting 32 new applications by 2010 after 20 year pause
- US & UK generate ~20% of their electricity via nuclear
- France generates nearly 80% of its electricity via nuclear
- Waste, proliferation, and environmental concerns
- New technologies are emerging including Th-based reactors

Growing Global Demand for Liquid Fuels is Outpacing Supply Growth

Options

- Dramatically increase supply
 - Only marginal growth projected
 - Are we at “Peak Oil”?
 - GTL (Gas to liquids technology)
 - CTL (Coal to liquids technology)
- Alternatives to fossil fuels and increased efficiency
 - Use of renewable feedstocks
 - Second generation bio-fuels
 - Chemicals and materials from renewables
 - More efficient use of current supply
 - hybrid systems, smart grid, green building design, etc.

The Water Need

- "Clean, fresh water is not only the most vital commodity -- it is also the most undervalued,"
Bernard Savaiko, economist at the New York Board of Trade
- Americans spend "billions of dollars" annually on bottled water and use 408 billion gallons of water every day.*
- Desalination is expensive and energy intensive
- New technologies emerging

*U.S. Geological Survey