Federal Spending for Solar Energy

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Appropriations

- Energy & Water - DOE R&D Programs
- Agriculture - grants and loans
- Foreign Ops - "Clean Energy" in developing countries to reduce Greenhouse Gases
DOE PV & Concentrating Solar R&D Spending, FY1974-FY2007

Source: DOE budget history tables; DOE budget requests; and Federal Budget FY2009, Hist. Tables, Table 10.1.
DOE Solar Spending History

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DOE PV & Conc. Solar

Source: DOE. FY2009 Congressional Budget Request.
FY09 Admin Request

- EERE down $467 M (-27%)
- Solar down $12 M (-7%)
- PV flat
- Conc. Solar down $11 M (-36%)
House Appropriations Committee
Energy & Water Appns Bill

- Compared to the Request:
  - EERE up $1.28 B (102%)
  - Renewables R&D up $146 M (31%)
  - Solar up $64 M (41%)
  - No break-outs for PV or Conc. Solar
Renewables Spending in Broad Context

- FY2008 spending close to parity with other technologies
- Historically, much less spending than for nuclear and fossil technologies
Energy R&D Funding, FY2008

DOE Energy R&D Funding Shares, FY1948-FY2007

Source: DOE, An Analysis of Federal Incentives Used to Stimulate Energy Production, 1980; & DOE Budget Authority History Table.
DOE Energy Spending Compared with Historical “Crash” Programs

- 30-year total DOE energy R&D spending (FY78-FY07) comparable to 14-year total Apollo Program spending
- 10-year total DOE energy R&D spending (FY98-FY07) comparable to 5-year total Manhattan Project spending
Total Spending for Manhattan Project, Apollo Program, 30-year DOE, 10-year DOE

Average Annual Spending for Manhattan Project, Apollo Program, DOE 30-year, and DOE 10-year

Context & Challenges for Congressional Staff

- Energy prices
- Energy security
- Budget deficit
- Trade deficit
- Greenhouse gas emissions
Further information available to Congressional Staff:

- CRS RS22858, on R&D Funding History
- CRS RL33831, on EE&RE Legislation
- CRS RL34162, Renewable Energy Issues
- All are on the CRS web site at [http://www.crs.gov/](http://www.crs.gov/)
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