

# DOE/NETL Hg R&D Program – *From Concept to Commercial Reality!*



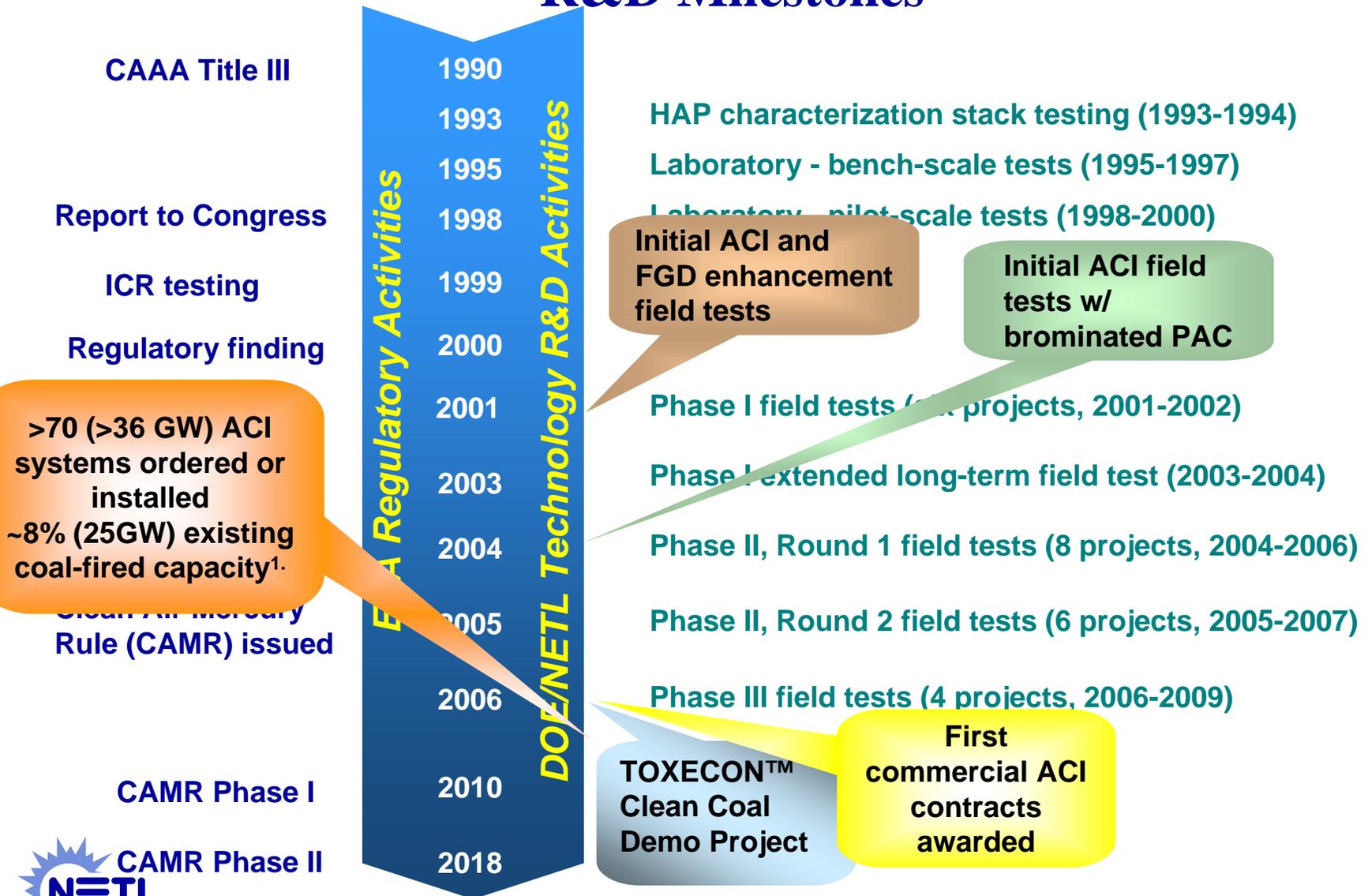
## DOE/NETL 2007 Mercury Control Technology Conference

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Pittsburgh, PA*

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# Mercury Control Regulatory Timeline & Technology R&D Milestones



>70 (>36 GW) ACI systems ordered or installed  
 ~8% (25GW) existing coal-fired capacity<sup>1</sup>.



1. Commercial Electric Utility Hg Control Technology Bookings, ICAC, 2007

# Mercury Control Technology Program Goals

- Have technologies ready for commercial demonstration by:
  - **2007 for all coals that can reduce “uncontrolled” Hg emissions by 50-70%**
  - **2010 for all coals that can reduce “uncontrolled” Hg emissions by +90%**
  - **Reduce cost by 25-50% compared to 1999 baseline cost estimates (~\$60,000/lb)**
- Support national goal of 50% coal byproducts utilization by 2010 through research directed at characterization and management of mercury in fly ash, scrubber materials, and other solids and liquid effluents



# The Future

- **DOE/NETL's Hg and CUB R&D areas zeroed out in FY08 President's budget**
- **Hope to paydown all existing mortgages and complete current projects**
- **No new solicitations planned**



# A Very Successful R&D Program...Thank You!



BASIN ELECTRIC POWER COOPERATIVE



**Host companies operate ~ 175 GW (54%) to total US coal-fired capacity**

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There are no secrets to success. It is the result of preparation, hard work, learning from failure.

*~ Colin Powell*

