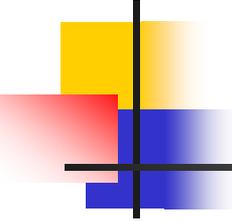


U.S. Environmental Protection Agency

FY 2010 President's Budget

Prepared for the Science Advisory Board May 28, 2009 Public Meeting



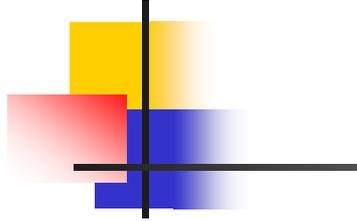


FY 2010 President's Budget Request

- *EPA's FY 2010 Budget Request totals \$10.49 billion.*
- *The FY 2010 Request builds on past successes by:*
 - *Strengthening our protection of human health and the environment through the best available science,*
 - *Investing in water infrastructure,*
 - *Accelerating Great Lakes Restoration,*
 - *Continuing Superfund cleanup,*
 - *Initiating a comprehensive approach to slow global warming,*
 - *Enhancing the evaluation of chemical toxicity,*
 - *Strengthening enforcement and,*
 - *Demonstrating fiscal responsibility.*

EPA's Resources by Major Category

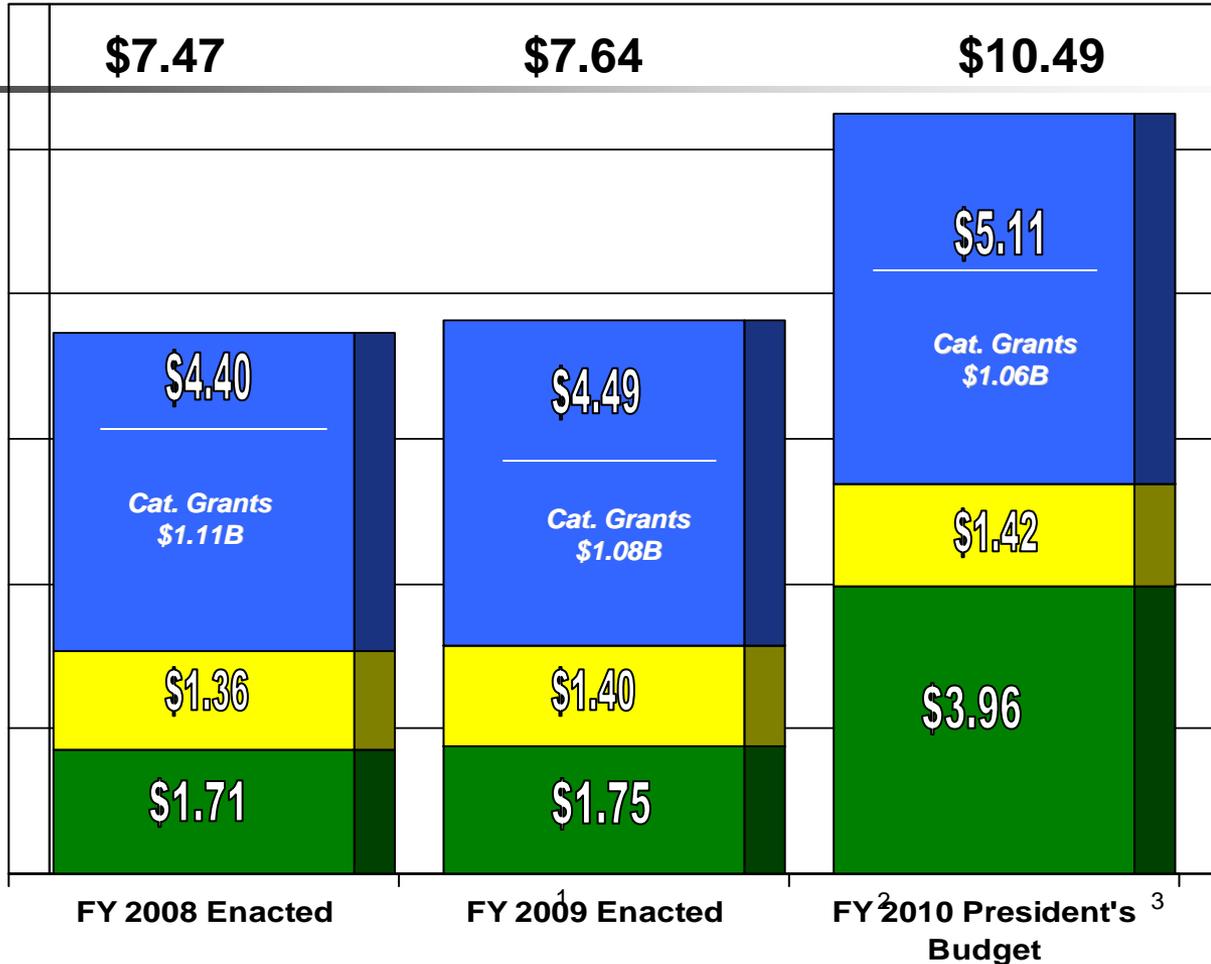
FY 2008- FY 2010 (Dollars in Billions)



Operating Programs (EPM, S&T, B&F, Oil, IG, and STAG) The Agency's core regulatory, research, enforcement activities and grants to States and other partners.

Trust Funds (Superfund and LUST) Support Superfund and LUST programs.

Infrastructure Financing (STAG) Includes Clean Water State Revolving Fund, Drinking Water State Revolving Fund, Diesel Grants and Special Projects.



Notes:

Totals may not add due to rounding.

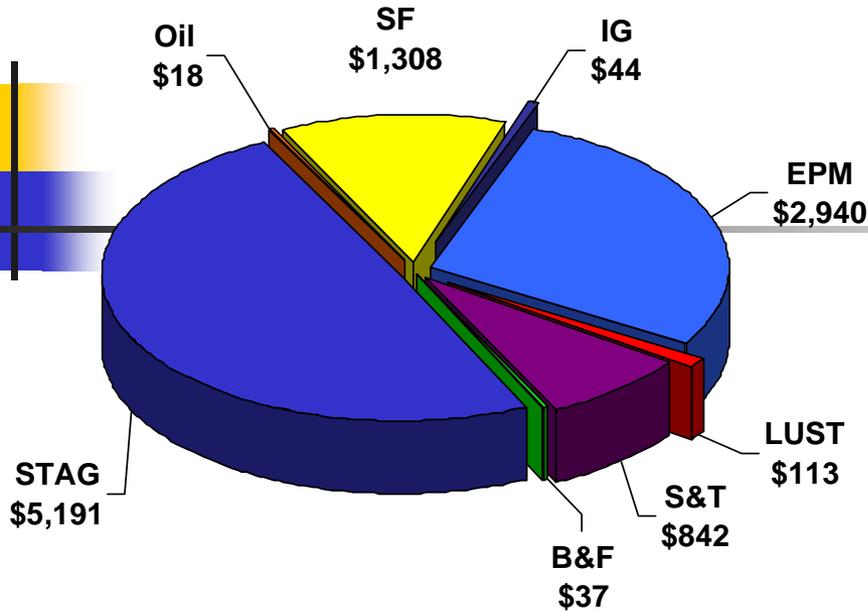
¹ FY 2008 includes a \$5M rescission to prior year funding.

² FY 2008 Enacted includes a 1.56% rescission and a \$5M rescission to prior year funds.

³ FY 2009 and FY 2010 includes a \$10 M rescission to prior year funds

FY 2010 Appropriation Totals

(Dollars in Millions)



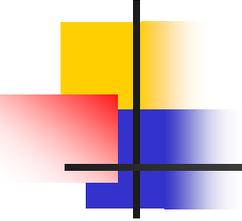
**FY 2010 Presidents Budget
\$10.49 Billion**

	<i>FY 2008 Enacted</i>	<i>FY 2009 Enacted</i>	<i>FY 2010 PresBud</i>	<i>09 EN to 10 PB</i>
<i>EPM</i>	\$2,328	\$2,392	\$2,940	\$548
<i>S&T (excludes SF transfer)</i>	\$760	\$790	\$842	\$52
<i>B&F</i>	\$34	\$35	\$37	\$2
<i>STAG</i>	\$2,937	\$2,976	\$5,191	\$2,215
<i>LUST</i>	\$106	\$112	\$113	\$1
<i>Oil</i>	\$17	\$18	\$18	\$0
<i>IG (excludes SF transfer)</i>	\$41	\$44	\$44	\$0
<i>SF (includes Transfers to IG and S&T)</i>	\$1,254	\$1,285	\$1,308	\$23
<i>Rescission to Prior Year Funding</i>	(\$5)	(\$10)	(\$10)	\$0
Total	\$7,472	\$7,642	\$10,490	\$2,848

Notes:

Numbers may not add due to rounding

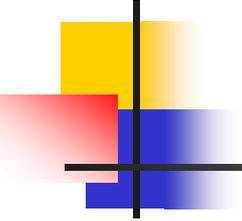
¹ Reflects FY 2008 Enacted 1.56% rescission and a \$5M rescission to prior year funds.



Budget Request Highlights

FY 2010 Request

- **Energy / Climate Change**
 - Greenhouse Gas Reporting Rule (+\$10.6M, \$19M total)
 - Diesel Grants (\$60M)
 - Cap & Trade Offsets Program(+\$5.0M)
 - Renewable Fuels Standards (RFS) Program (+\$13.3M)
- **Water programs**
 - Clean Water State Revolving Fund (+\$1.7B)
 - Drinking Water State Revolving Fund (+\$671M)
 - Great Lakes Initiative (\$475M new funding initiative)



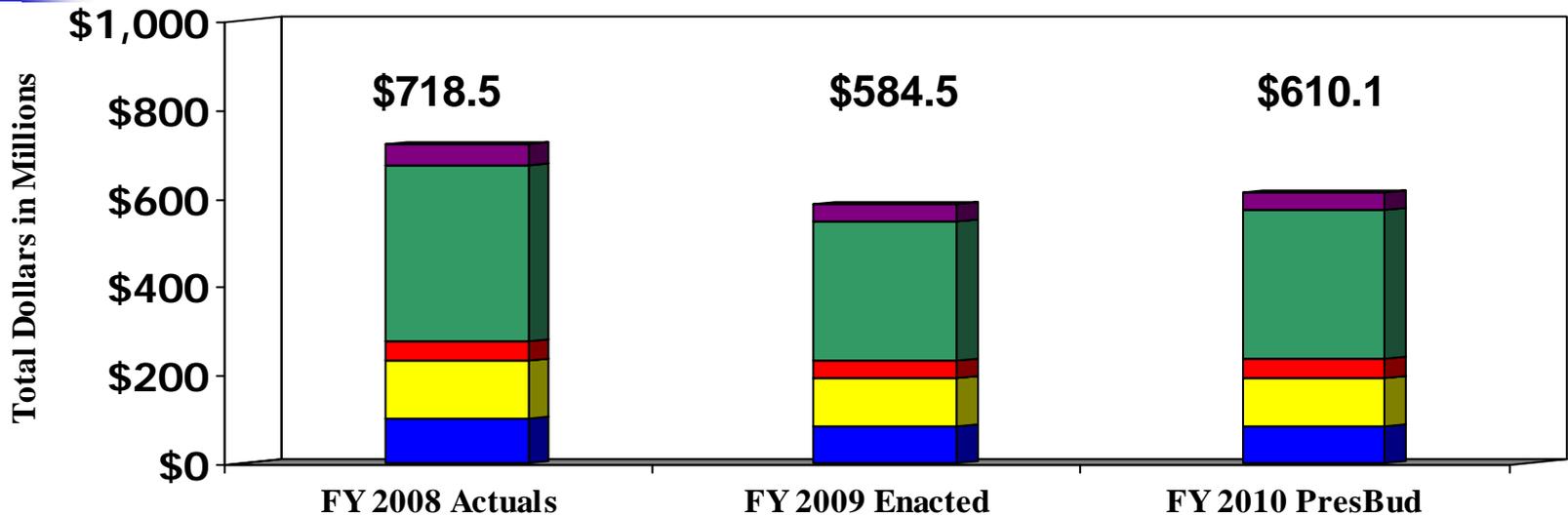
Budget Request Highlights

FY 2010 Request

- **Brownfields** (\$175M)
- **Superfund** (+\$23M, \$1.3B total)
- **Enhanced Toxics Program** (+\$8.0M, \$55M total)
- **Homeland Security**
 - Water Security (+\$8.7M)
 - Decontamination (\$40M)
 - Emergency Preparedness (\$53M)
- **Enforcement programs** (+\$31.6M, \$600M total)
 - Criminal Enforcement (\$58M)

Enhance Science and Research Objective

(Dollars in Millions)



- Goal 5: Compliance & Environmental Stewardship
- Goal 4: Healthy Communities & Ecosystems
- Goal 3: Land Preservation & Restoration
- Goal 2: Clean and Safe Water
- Goal 1: Clean Air and Global Climate Change

FY 2010 S&T Request by NPM

(Dollars in Millions)

ORD, \$559.1, 66%

%

OAR, \$149.6, 17%

- Office of Research and Development
- Office of Air and Radiation
- Office of Water
- Office of Prevention, Pesticides and Toxic Substances
- Office of Enforcement and Compliance Assistance
- Office of Administration and Resource Management
- Office of Environmental Information

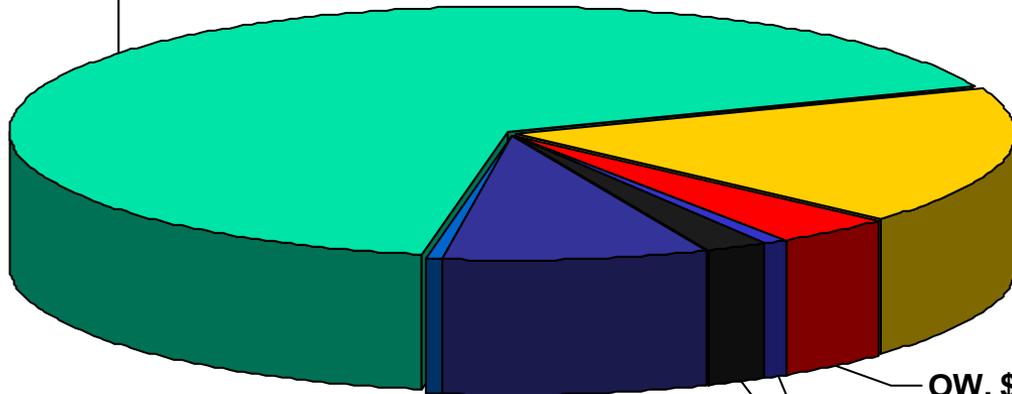
OW, \$32.0, 4%

OPPTS, \$8.7, 1%

OEI, \$4.1, 1%

OECA, \$15.9, 2%

OARM, \$72.9, 9%

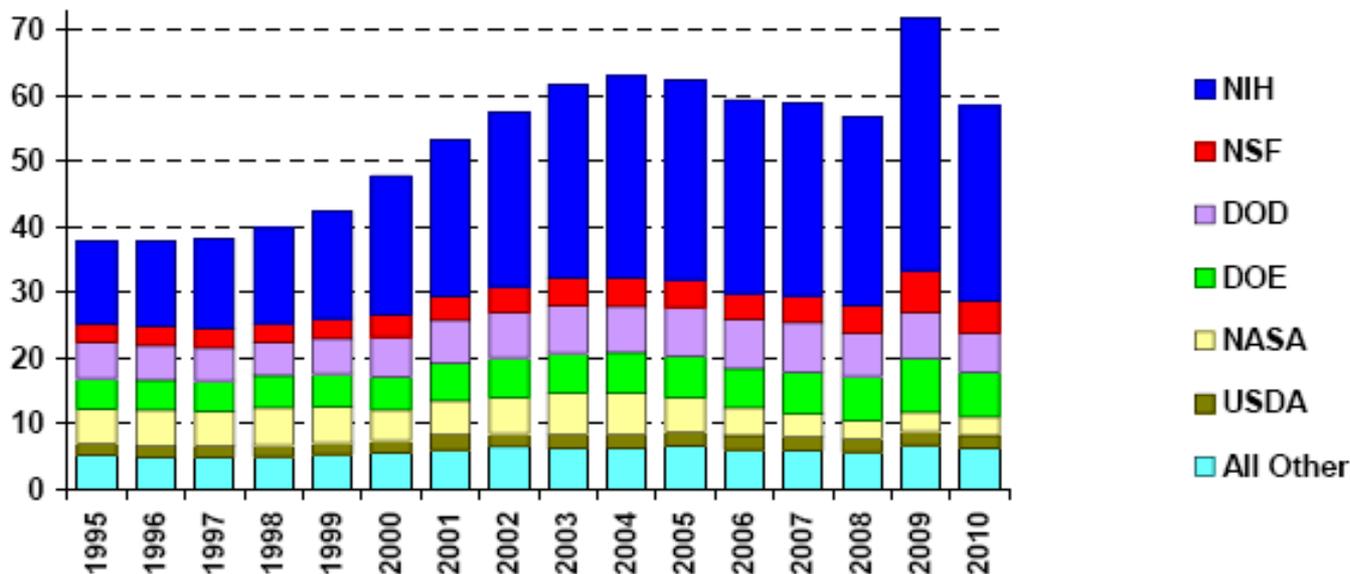


Stepping Back: the Government-wide R & D Perspective

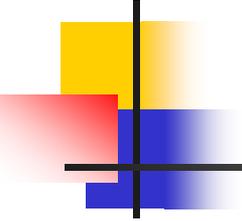
- FY 2010 R & D Budget is \$147.6B, \$59B of which is basic or applied research
- This represents the second consecutive year of increases after 4 years of decline
- DOD has half of R & D pie with \$80B, HHS \$31B, NASA and DOE each \$11B, NSF \$5.3B, USDA \$2.3B, DHS \$1.1B, NOAA \$644M, EPA \$619M (+6.7% over FY '09)
- The Administration has committed to doubling funding in ten years for key S & T agencies NSF, NIST and DOE Office of Science; on pace to hit goal by FY 2016
- Public and private R & D funding is 2.6% of GDP today; \$50B increased investment needed to meet the President's goal of 3%
- Bottom line: Science budgets are on the rise

Government-wide Perspective

Trends in Research by Agency, FY 1995-2010
in billions of constant FY 2009 dollars



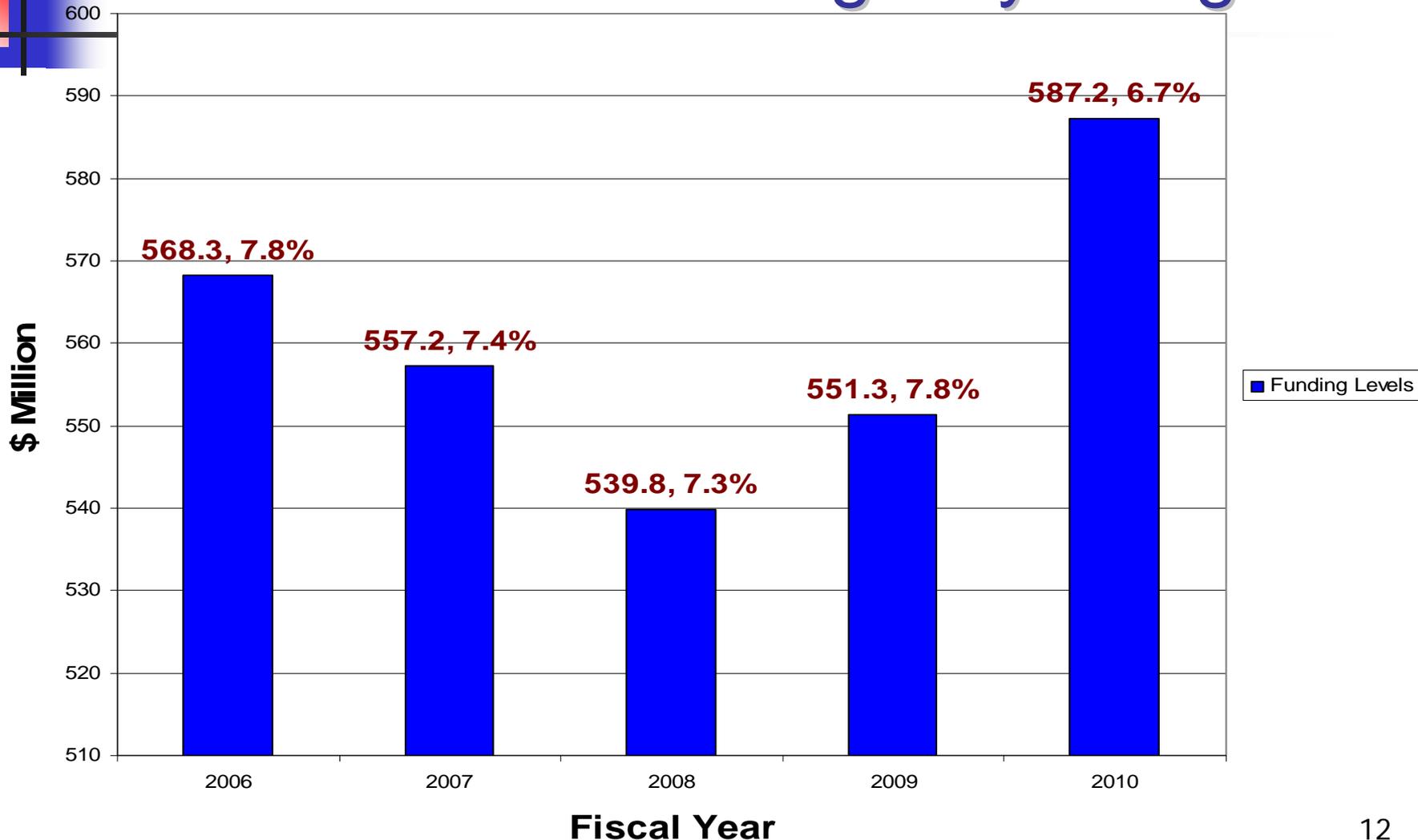
FY 2009 figures include Recovery Act appropriations. Research includes basic research and applied research.
MAY '09 OSTP

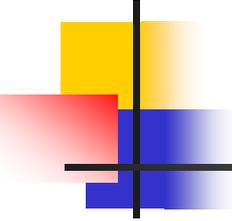


EPA Research is Foundational

- Science is the foundation of the Agency's functions and the basis for its decision-making.
- Making the best decisions is dependent on having confidence in the integrity of science - integrating the Agency's expertise and assessments.
- Science must be independent, using well-established scientific methods, peer review and transparency.
- EPA relies on a wide-range of expertise in the scientific community among career scientists, independent advisors and academia.
- The March 2009 Presidential Memo and May Administrator Memo affirm these principles and commit to the highest standards of scientific integrity and transparency.

ORD President's Budget Levels FY 2006-2010 and % of Agency Budget

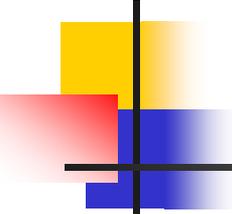




FY 2010 S&T Highlights- EPA

S&T Highlights outside of the Office of Research and Development:

- A \$8.7 million increase for Water Security Initiative pilots and enhancing Regional lab alliances in support of critical water security efforts.
- A \$13.3 million increase that supports expanding capability of National Vehicle and Fuel Emissions Lab to test and certify renewable fuels.

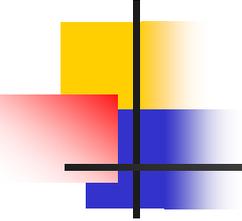


FY 2010 S&T Highlights- ORD

EPA continues to provide strong support for research addressing the Nation's most critical environmental issues, which are becoming increasingly complex. R & D received 6.7% increase in FY 2010 PB. Five major highlights include:

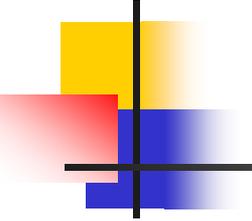
- **Integrated Risk Information System (+\$5.0M, +10 FTE)** Requests a total of \$14.5M to increase the annual output of new chemical risk assessments and update existing entries.
- **Computational Toxicology (+\$4.5M)** Requests a total of \$19.6M to improve the Agency's ability to more efficiently understand chemicals' toxicity through advanced modeling. This work also reduces the need to use animals in toxicity testing.

(continued on next slide)



FY 2010 S&T Highlights- ORD

- **Green Water Infrastructure Research (+\$3.0M)** Requests \$3.0M increase to expand research to assess, develop and compile scientifically rigorous tools to be used by Agency Offices, States and localities to help develop and deploy green infrastructure.
- **Renewable Fuels Lifecycle Analysis (+\$5.0M)** Provides a total of \$6.4M to expand research to provide scientifically informed assessments of the net environmental impacts associated with biofuels production and use.
- **Global Change Research (+\$3.0M)** Provides a total of \$20.9M to conduct research to provide the best possible scientific information to support decision making on climate change mitigation and adaptation strategies.



ORD Components of FY 2009 Enacted Budget not sustained in FY 2010:

- \$.72M for TIME/LTM, which is transferred to OAR for monitoring in FY 2010 as research objectives have been completed
- \$5.4M in Congressionally Mandated Projects