

FY 2014-2018 EPA Strategic Plan

Briefing for the SAB and Executive
Committee of the BOSC

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Kathy O'Brien, Director
Office of Planning, Analysis, and Accountability
Office of the Chief Financial Officer



Strategic Plan Background and Purpose

- Required by GPRA Modernization Act of 2010; published every 4 years
- Describes the Agency's long-term direction/results and strategies to achieve them.
- Used by senior leadership as a management tool
- Basis for annual planning, budgeting, and accountability



How the Strategic Plan Fits into EPA's Performance Management Framework





Comparison of EPA FY 2011-2015 Strategic Plan and FY 2014-2018 Strategic Plan

EPA's Core Values

Science

Transparency

Rule of Law

FY 2011-2015

Strategic Goals

Goal 1
Climate and AQ

Goal 2
Water

Goal 3
Land

Goal 4
Chemical Safety

Goal 5
Enforcement

XCFS 1
Expanding the Conversation

XCFS 2
EJ, Child. Health

XCFS 3
Science and Technology Innovation

XCFS 4
Partnerships

XCFS 5
Workforce Capabilities

Cross-Cutting Fundamental Strategies (XCFS)

Administrator's Seven Themes

Climate

Water

Chemical Safety

Sustainable Future

Communities

New Era of Partnerships

High Performing Org

FY 2014-2018

Strategic Goals

Goal 1
Climate and AQ

Goal 2
Water

Goal 3
Land

Goal 4
Chemical Safety

Goal 5
Enforcement

Strategy 1
Sustainability

Strategy 2
Communities

Strategy 3
Partnerships

Strategy 4
High Performing Org.

Cross-Agency Strategies



Science and Research in EPA's Strategic Plan

- Science and research are at the foundation of EPA's work and one of the core values of the Plan.
- Science underpins all Agency decisions and regulatory actions based on the best possible data.



Science and Research Highlights in EPA's FY 2014-2018 Strategic Plan

- **Administrator's message** sets tone
- **Strategic goal narratives** reflect science and research
 - ❖ **External factors and emerging issues:**
 - Re-examination of previous decisions on site clean-up based on new scientific information
 - Innovative/alternative technology development, e.g.,
 - Hydraulic fracturing
 - Nutrient recovery from wastewater
 - Improving small DW system reliability
 - Energy reduction/recovery at drinking/wastewater facilities



Science and Research Highlights (cont'd)

❖ Applied research

▪ Goal 1

- Models/tools to inform sustainable policies and responses to changing climate
- Research on air pollution monitoring to lower costs
- Assessments of multi-pollutant exposures/effects of pollutant mixtures

▪ Goal 2

- Innovative tools, technologies, strategies for water management under changing climate
- Integration of EPA nitrogen and co-pollutant research efforts across media, time, and space to lower costs of nutrient reduction



Science and Research Highlights (cont'd)

❖ Applied research (cont'd)

▪ Goal 3

- Identify/apply approaches that guide environmentally sustainable behavior individually & community-wide
- Improve products & services needed for mitigation, management, and remediation of contaminated sites
- Develop more/improved options for waste reduction, safer disposal, and beneficial re-use/recovery of materials & energy from waste

▪ Goal 4

- Enhance chemical screening and testing approaches for chemicals
- Foster innovations in green chemistry/green engineering to promote safer chemicals in commerce



Science and Research Highlights (cont'd)

➤ **Cross-Agency strategies:**

- **Sustainability:** Encouragement of technology innovation and alignment/integration of programs, tools, and indicators to maximize beneficial outcomes and consider full life cycles of multiple natural resources, processes, and pollutants to achieve sustainable results.
- **Communities:** Emphasis on citizen science (individual involvement in research, education, information sharing, environmental justice activities, and state and local problem solving) and partnerships (with the research community to drive innovation and address local issues).
- **Partnerships:** Promoting collaboration with state research organizations to aid information sharing on scientific/technical capabilities and make Agency tools, models, and research more useful to states.



Importance of Strategic Research Action Plans

- Progress to date in current 2012-2016 Strategic Research Action Plans
 - Goal 1: Issued updated final assessments for both lead and ozone, including analyses of populations at risk to support NAAQS review by OAR
 - Goal 2: Released the National Stormwater Calculator to support/inform site-specific land-use decisions and use of green infrastructure by property owners, developers, landscapers, & urban planners
 - Goal 4: Screened 2,000+ chemicals using innovative ToxCast technology to predict endocrine disruption potential and prioritize TSCA chemicals
- Strong foundation for 2016-2019 updates