

GOAL 5

ENVIRONMENTAL STEWARDSHIP

Improve environmental performance through compliance with environmental requirements, preventing pollution, and promoting environmental stewardship. Protect human health and the environment by encouraging innovation and providing incentives for governments, businesses, and the public that promote environmental stewardship and long term sustainable outcomes.

OBJECTIVES

Objective 5.1: Achieve Environmental Protection Through Improved Compliance By 2011 maximize compliance to protect human health and the environment through compliance assistance, compliance incentives, and enforcement by achieving a X percent increase in the pounds of pollution reduced, treated, or eliminated, and achieving a X percent increase in the number of regulated entities making improvements in environmental management practices. (Baseline to be determined for XXXX)

Sub-objective 5.1.1: Compliance Assistance. By 2011, prevent noncompliance or reduce environmental risks through EPA compliance assistance by achieving: a X percentage point increase in the percent of regulated entities that improve their understanding of environmental requirements; a X percent increase in the number of regulated entities that improve environmental management practices; and a X percentage point increase in the percent of regulated entities that reduce, treat, or eliminate pollution. (Baseline to be determined for XXXX.)

Sub-objective 5.1.2: Compliance Incentives. By 2011, identify and correct noncompliance and reduce environmental risks through a X percentage point increase in the percent of facilities that use EPA incentive policies to conduct environmental audits or other actions that reduce, treat, or eliminate pollution or improve environmental management practices. (Baseline to be determined for XXXX.)

Sub-objective 5.1.3: Monitoring and Enforcement. By 2011, identify, correct, and deter noncompliance and reduce environmental risks through monitoring and enforcement by achieving: a X percent increase in complying actions taken during inspections; a X percentage point increase in the percent of enforcement actions requiring that pollutants be reduced, treated, or eliminated; and a X percentage point increase in the percent of enforcement actions requiring improvement of environmental management practices. (Baseline to be determined for XXXX.)

Objective 5.2: Improve Environmental Performance through Pollution Prevention and the

Adoption of Stewardship Practices that Lead to Sustainable Outcomes

By 2011, increase participation in EPA's stewardship activities and programs, and increase adoption of environmental stewardship practices by companies, communities, governmental organizations, and individuals. Pollution prevention practices include substitution of materials and the design and redesign of products and manufacturing processes to reduce the generation of pollutants.

Sub-objective 5.2.1: Prevent Pollution and Promote Environmental Stewardship by Business, Government and the Public. Through 2011, reduce pollution and improve environmental stewardship practices in business and government operations and by the public by adopting more efficient, sustainable, and protective policies, practices, materials, and technologies and by minimizing toxics in waste streams.

Strategic Targets:

- ! By 2011, reduce x pounds of hazardous materials cumulatively from the 2005 baseline.
- ! By 2011, reduce x pounds of non-hazardous materials cumulatively from the 2005 baseline.
- ! By 2011, reduce, conserve or offset x megawatts of energy use cumulatively from the 2005 baseline.
- ! By 2011, reduce, conserve or offset x BTUs of energy use cumulatively from the 2005 baseline.
- ! By 2011, reduce water use by x.x billion gallons cumulatively from the 2005 baseline.
- ! By 2011, reduce business, institutional and government costs by x dollars cumulatively from the 2005 baseline.
- ! By 2011, achieve a XXX pound (XX% of baseline) overall reduction of priority chemicals in waste using 2004 as a baseline year.

Sub-objective 5.2.2: Promote Improved Environmental Performance through Business and Community Innovation. Through 2011, achieve measurably improved environmental performance to achieve sustainable outcomes through sector-based approaches, performance-based programs, and assistance to small business.

Strategic Targets:

- By the end of fiscal year 2011, Performance Track members' will reflect 3 year commitments to reduce toxic and VOC emissions by XXX tons, hazardous waste

generation by XXX tons, water use by XXX tons, GHG generation by XXX MTCO₂E, and materials use by XXX tons. (All commitments are indexed to production levels in the baseline year.)

- Through 2011, the Sector Strategies Program will work with participating business and service sectors to achieve aggregate reductions in environmental impacts of 20 percent in water use, energy use, waste generation or disposal, air releases, or water discharges. (Improvements will be measured from baselines selected in 2004 for individual sectors.)

Sub-Objective 5.2.3: Promote Environmental Policy Innovation

Through 2011, achieve measurably improved environmental results, promote stewardship behavior, and advance sustainable outcomes by testing, evaluating, and applying alternative approaches to environmental protection in states, companies, and communities. This work also will seek to improve the organizational cost effectiveness and efficiency for regulatory agencies as well as regulated entities.

Strategic Targets:

Advance Agency leadership on innovation:

- Annually, provide or update a strategic framework to guide EPA=s innovation activities in collaboration with partners; and
- Annually, disseminate results of applied innovation research and best innovation practices to EPA staff and partners through standard and state-of-the-art communication practices.

Test and adopt State and other innovations to improve environmental results and advance sustainable outcomes:

{Note: Baselines will be developed based on 2001-2005 innovation program activities }

- By 2011, 90 % of innovation projects under the State Innovation Grant Program and other piloting mechanisms will achieve 10 % or greater environmental improvement, and/or a 5% or greater improvement in cost effectiveness and efficiency.
 - Annually, sponsor 5-10 applied policy research projects through the State Innovation Grant Program and other piloting mechanisms to develop sustainable and replicable models and tools to improve environmental management approaches and widely disseminate the results; and
 - By 2011, 90% of states implementing ERP components demonstrate 10 % or greater improvement in compliance rates within two years of project initiation.
- By 2011, EPA innovation program will research 5-10 new innovation approaches in collaboration with relevant stakeholders (e.g., State, Tribal and local government officials as well as business and other stakeholders).

Improve evaluation, measurement and innovation analysis for EPA :

{Please note that the baselines will be developed based on 2003-2005 Evaluation Support

program activities}

- By 2011, 5,000 EPA staff knowledgeable about evaluation, measurement or innovation analysis concepts through Evaluation Support program activities;
- By 2011, 75% of EPA programs that gain knowledge through Evaluation Support Division program activities initiate or implement evaluation, measurement or innovation analysis;
- By 2011, 1,500 EPA partners (e.g., federal, state, local, and tribal officials) knowledgeable about evaluation, measurement or innovation analysis concepts through Evaluation Support program activities; and
- By 2011, 50% of EPA partners= programs or initiatives that gain knowledge through Evaluation Support program activities initiate or implement evaluation, measurement or innovation analysis concepts

Objective 5.3: Build Tribal Capacity to Improve Human Health and the Environment in Indian Country

Assist Federally-recognized tribes in 1) assessing the condition of their environment, 2) building their capacity to implement environmental programs, and 3) implementing programs in Indian country to address human health and environmental issues.

Strategic Targets:

By the end of 2011, increase the percent of tribes with an environmental program to **X%** (# of tribes).

2006 Baseline: Current percent (number) of tribes with Environmental Program

Universe: 572 tribes

By the end of 2011, increase the percent of tribes implementing federal environmental programs in Indian country to **X%** (# of tribes)

(**Y** programs).

2006 Baseline: Current percent (number) of programs implemented by tribes.

Universe: 572 tribes

By the end of 2011, increase the percent of tribes conducting EPA-approved environmental monitoring and assessment activities in Indian country to **X%** (# of tribes).

(**Y** quality assurance project plans).

2006 Baseline: Current percent (number) of tribes with EPA-approved QAPPs

Universe: 572 tribes

By the end of 2011, increase the percent of tribes with inter-governmental environmental

management agreements to [X%] (# of tribes).
([Y] agreements)

2006 Baseline: Current percent (number) of tribes with inter-governmental partnerships
Universe: 572 tribes

By the end of 2011, develop or integrate 15 EPA and interagency data systems to facilitate the use of Tribal Program Enterprise Architecture (TPEA) information in setting environmental priorities and informing policy decisions. (Needs additional revision.)

By the end of 2011, eliminate 20 percent of the data gaps for environmental conditions for major water, land, and air programs as determined through the availability of information in the TPEA. (Needs additional revision.)

By the end of 2011, increase the number of environmental programs implemented in Indian Country per million dollars to [X].

2006 Baseline: 12.3 programs per million
Universe: N/A

By the end of 2011, increase by [XXX] the number of illegal waste disposal sites in Indian country that are cleaned up, closed, or upgraded. (Pending coordination with Goal 3.)

2006 Baseline: Unknown

Universe: Current total number of waste disposal sites that need to be cleaned, closed, or upgraded - as identified within a Federally-approved data system

Objective 5.4: Enhance Society=s Capacity for Sustainability through Science and Research

Conduct leading-edge, sound scientific research on pollution prevention, new technology development, socioeconomic, sustainable systems, and decision-making tools. By 2011, the products of this research will be independently recognized as providing critical and key evidence in informing Agency polices and decisions and solving problems for the Agency and its partners and stakeholders. (Also see *Research*, under Cross Agency and Support-Program Evaluations in Appendix of this *Strategic Plan*)

Sub-objective 5.4.1: Strengthening Science. The research and educational community, the regulated community and decision and policy makers use ORD products and services to enhance the scientific and technology base and catalyze innovation of alternative processes, tools, technologies and systems for advanced environmental protection; implement more efficient and sustainable practices, materials and technologies in improved environmental performance; implement improved and scientifically sound management decisions and policies and practices for sustainable resource management.

Sub-objective 5.4.2: Conducting Research Conduct leading-edge, sound scientific research on pollution prevention, new technology development, socioeconomic, sustainable systems, and decision-making tools. By 2008, the products of this research will be independently recognized as providing critical and key evidence in informing Agency policies and decisions and solving problems for the Agency and its partners and stakeholders. (Also see *Research*, under Cross Agency and Support-Program Evaluations in Appendix of this *Strategic Plan*)

Strategic Targets:

- The research and educational community, the regulated community and decision and policy makers use ORD products and services to enhance the scientific and technology base and catalyze innovation of alternative processes, tools, technologies and systems for advanced environmental protection; implement more efficient and sustainable practices, materials and technologies in improved environmental performance; implement improved and scientifically sound management decisions and policies and practices for sustainable resource management.
- Develop understanding of economic and decision-making drivers, including reliable and widely applicable or transferable approaches and estimates of values for ecological benefits and human health benefits; effective government intervention strategies, including enforcement, technical assistance, collaboration, information dissemination, voluntary initiatives, and innovative approaches, based on a better understanding of the motivation influencing environmental decision-making, compliance behavior and environmental performance; responses to market mechanism and economic incentives and investigate how market-based programs can be designed to take advantage of predictable responses to incentives in order to improve environmental quality at the lowest cost; and reliable approaches to estimate the impacts of disclosing environmental information about firms' or facilities' production processes, disposal practices, environmental releases, products and services.

December 7, 2005