

Green Remediation in the States



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ASTSWMO



- Association of State and Territorial Solid Waste Management Officials

Mission: To enhance and promote effective state and territorial waste management programs, and affect national waste management policies.

- Sustainability Sub-Committee est. July 2007
- Greener Cleanups Task Force (GCTF) est. Oct 2007
- Other task forces under the Sustainability Sub-Committee:
 - Green Chemistry
 - Product Stewardship
 - Greening State Government

Who's Working on Green Remediation?



Federal/USEPA

- ✦ HQ-Tech Innovation Program GR Effort
- ✦ Superfund GR Workgroup
- ✦ Technical Support Project (TSP) Green Committee
- ✦ GR, Revitalization, and Reuse “Tiger” Team
- ✦ Climate Change and Cont. Lands (CCCL) Workgroup
- ✦ Climate Change Coordinating Committee (C4)
- ✦ Partnerships with Departments of Defense and Energy
- ✦ Brownfields Sustainability Pilots: Green Redevelopment
- ✦ Tribal Initiatives
- ✦ Region 3 Pilot Project on Green Cleanup Standards
- ✦ Region 9 Cleanup-Clean Air Initiative

Federal/Other

- ✦ Federal Remediation Technologies Roundtable (FRTR) GR Focus

States

- ✦ Wisconsin Initiative on Sustainable Cleanups (WISC)
- ✦ California Dept. of Toxic Subs. Control (DTSC) GR Team
- ✦ California Environmental Protection Agency (Cal/EPA)

States/Partnerships

- ✦ ASTSWMO Greener Cleanups Task Force
- ✦ ITRC Green and Sustainable Remediation (GSR) Project

Industry

- ✦ Sustainable Remediation Forum (SuRF)

GCTF Member States and Mission

- Illinois (chair)
- California
- Colorado
- Delaware
- Georgia
- Massachusetts
- Missouri
- New York
- Oklahoma
- Oregon

Mission Facilitate cleanup decisions that increase the net environmental benefits of remediation, and in doing so, contribute to site sustainability.

GCTF is a cross-program task force representing CERCLA, RCRA, Tanks, Brownfields and Federal Facilities.

Definition “The practice of considering **all** impacts when **selecting** and **implementing** a remedy to maximize its **net positive environmental benefit**”

GCTF Goals



- Identify best practices and incentives for greener cleanups;
- Support State programs in their efforts to integrate these approaches into State remedy selection processes;
- Strengthen partnerships between the States and U.S. EPA to improve greener cleanup capacities; and
- Operate as a technical resource for other ASTSWMO task forces and sub-committees.

GCTF Strategy Papers



- Implementing Greener Cleanups in the States
- Creating Incentives
- Identifying Barriers to Greener Cleanups
- Incorporating Greener Cleanups into Post Remedy and CERCLA 5-Year Reviews
- Incorporating Greener Cleanups into Contract Language
- Incorporating Greener Cleanups into Supplemental Environmental Projects (SEPs)
- Incorporating Greener Cleanups into Environmental Management Systems (EMS)

GCTF Survey

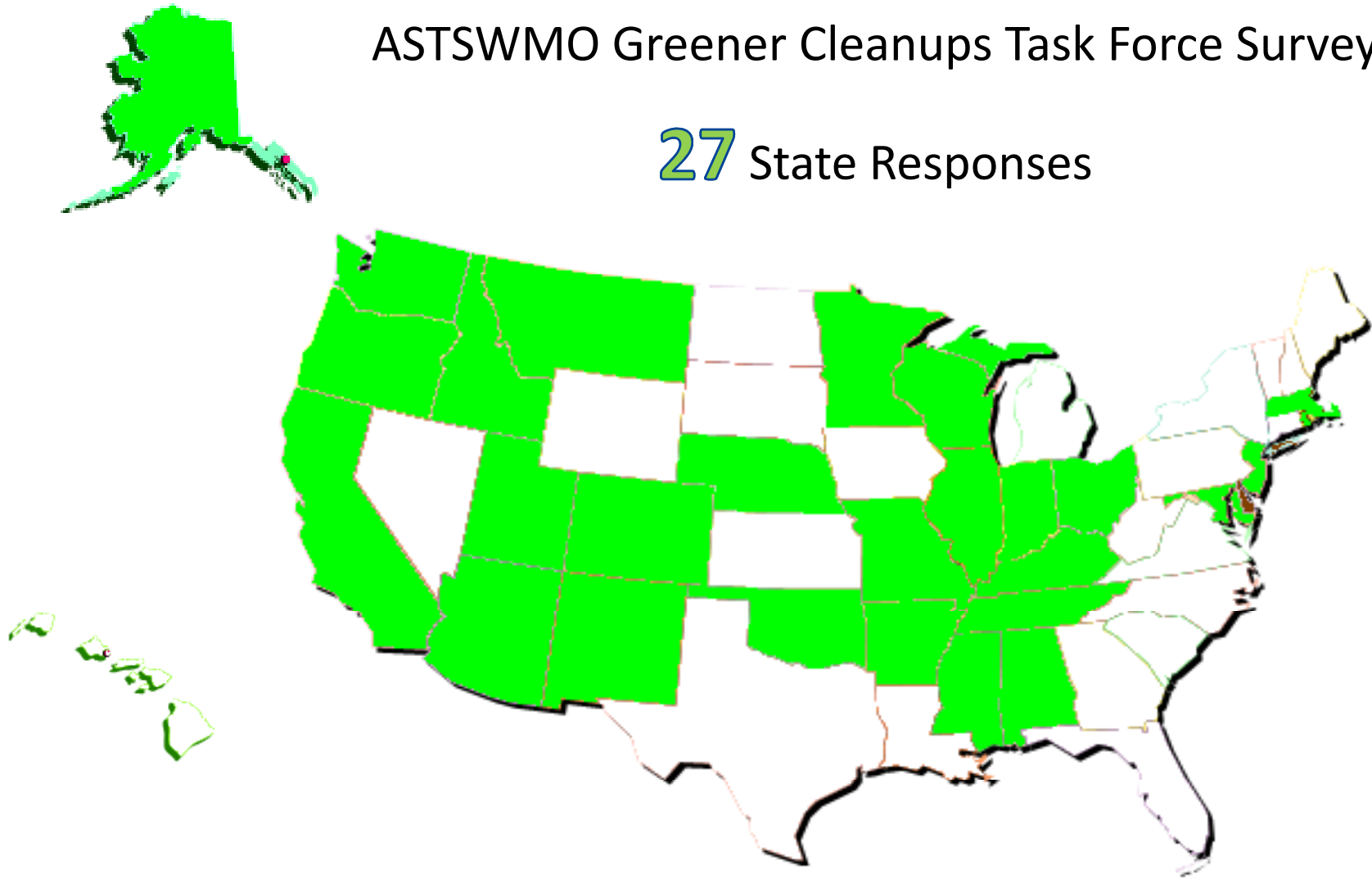


- Developed to aid in preparing the strategy papers on incentives and barriers
- Completed online by ASTSWMO members
- 9 questions
- Results presented at the ASTSWMO mid-year meeting in Columbus, OH on April 15, 2009



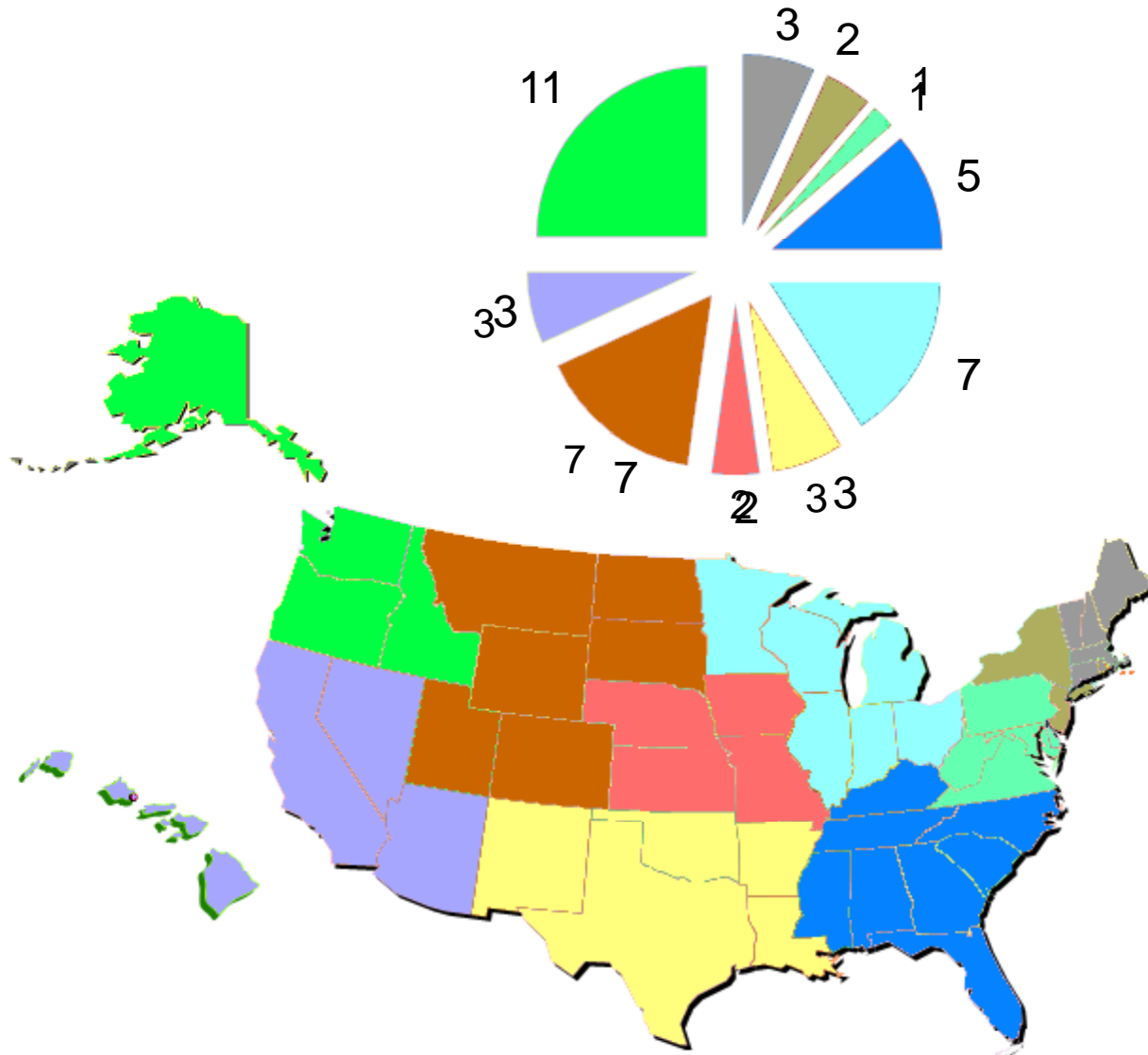
ASTSWMO Greener Cleanups Task Force Survey

27 State Responses

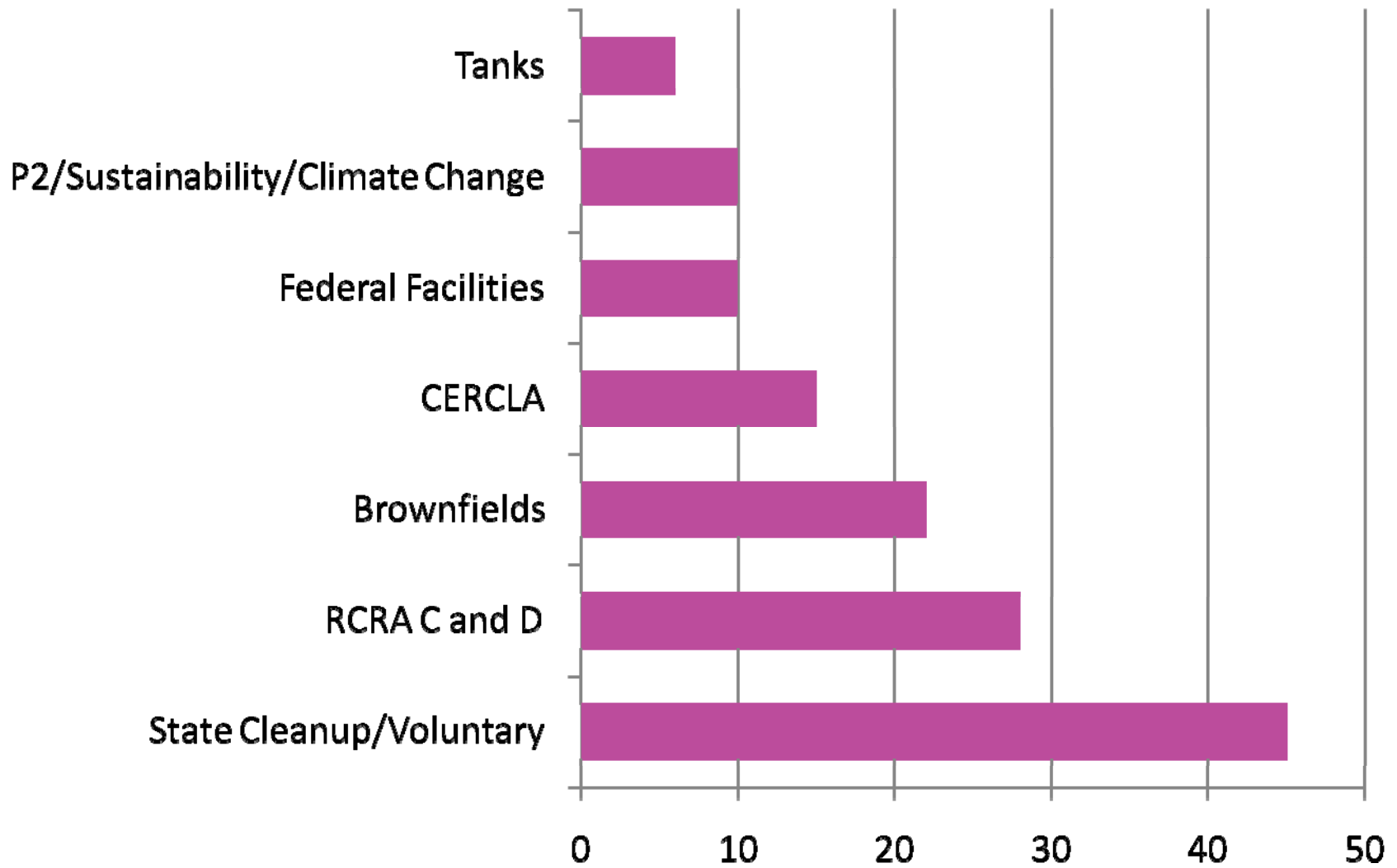


■ States shaded green completed the survey

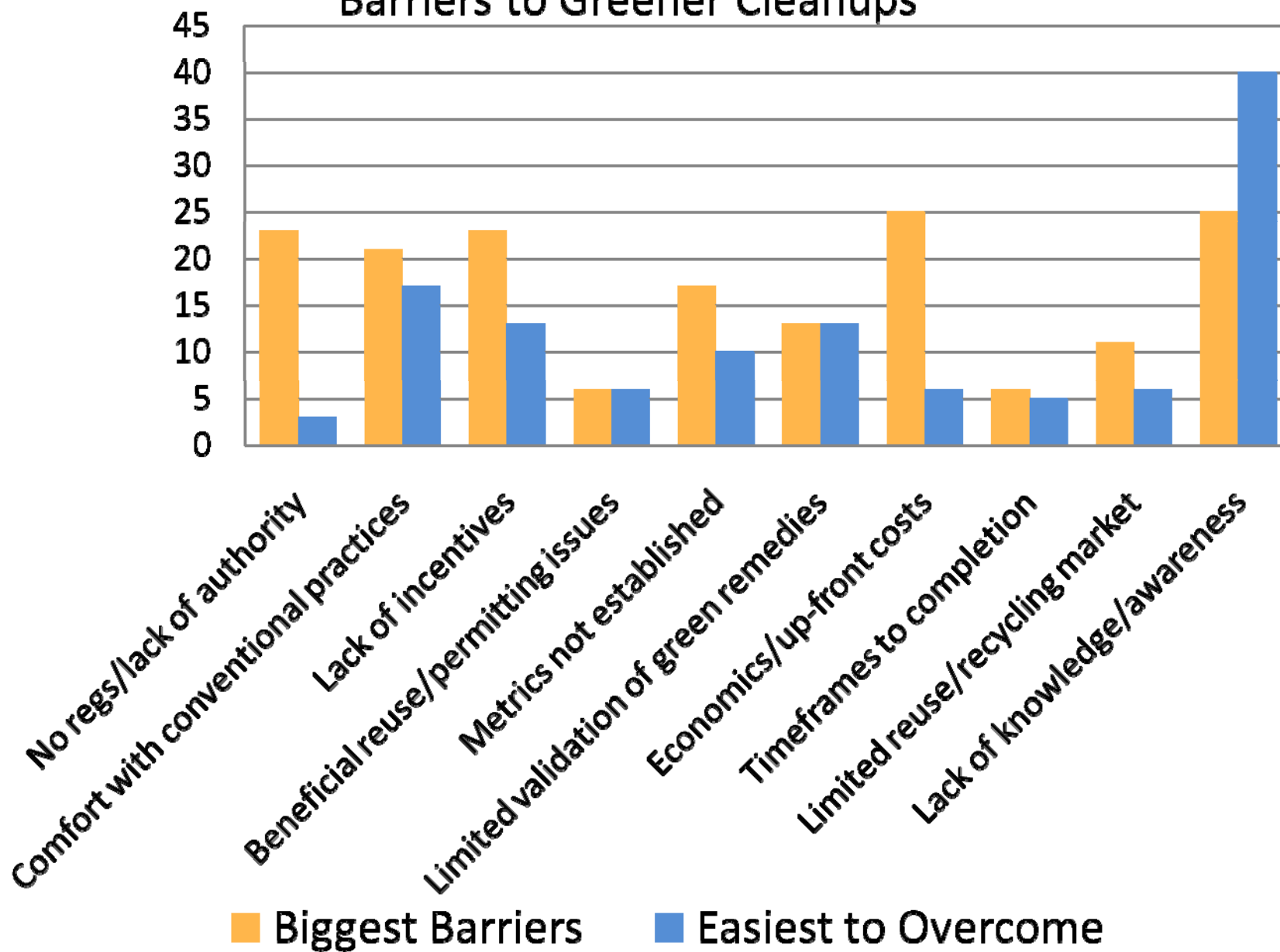
Responses by Region



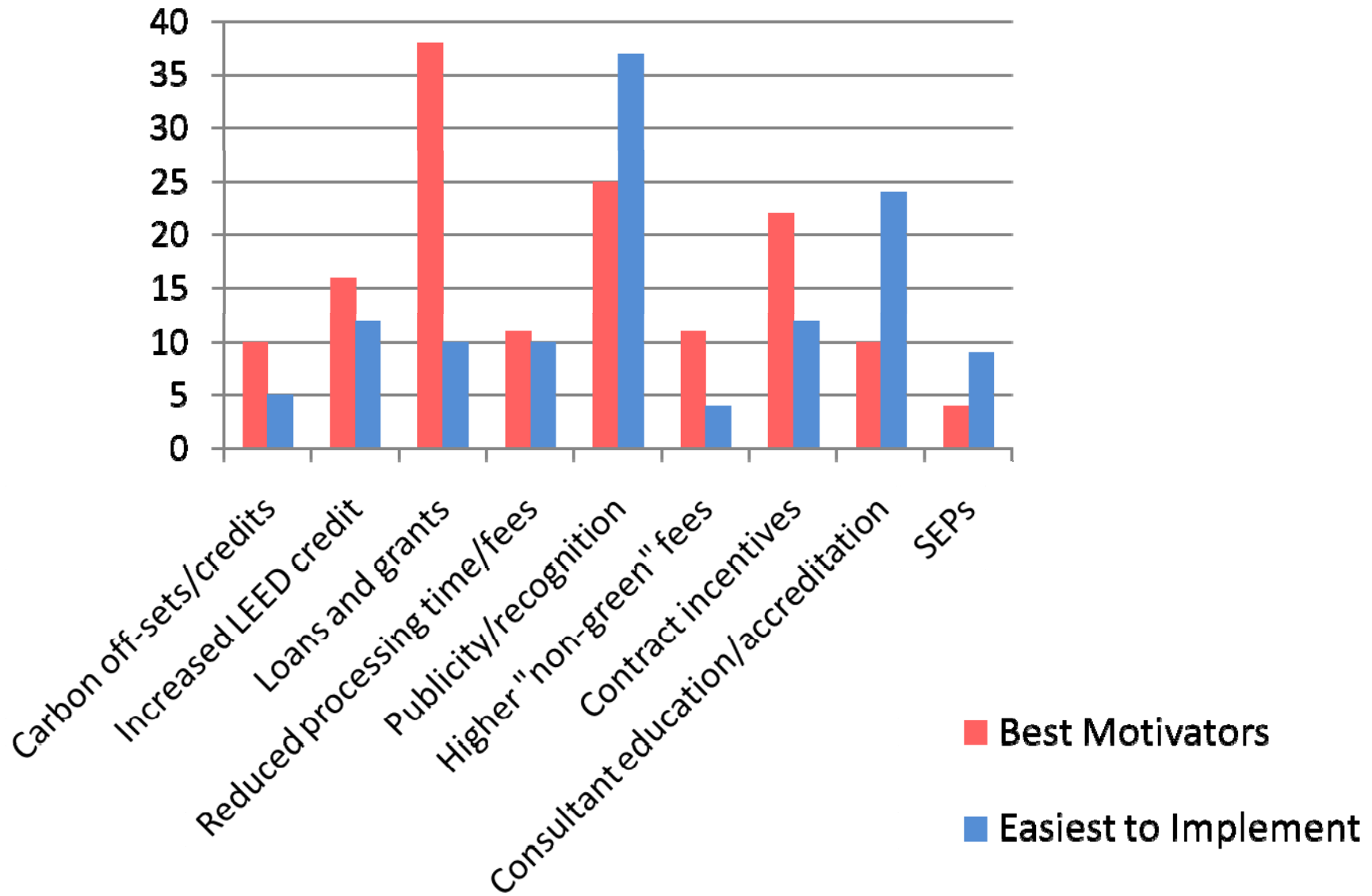
Responses by Regulatory Program



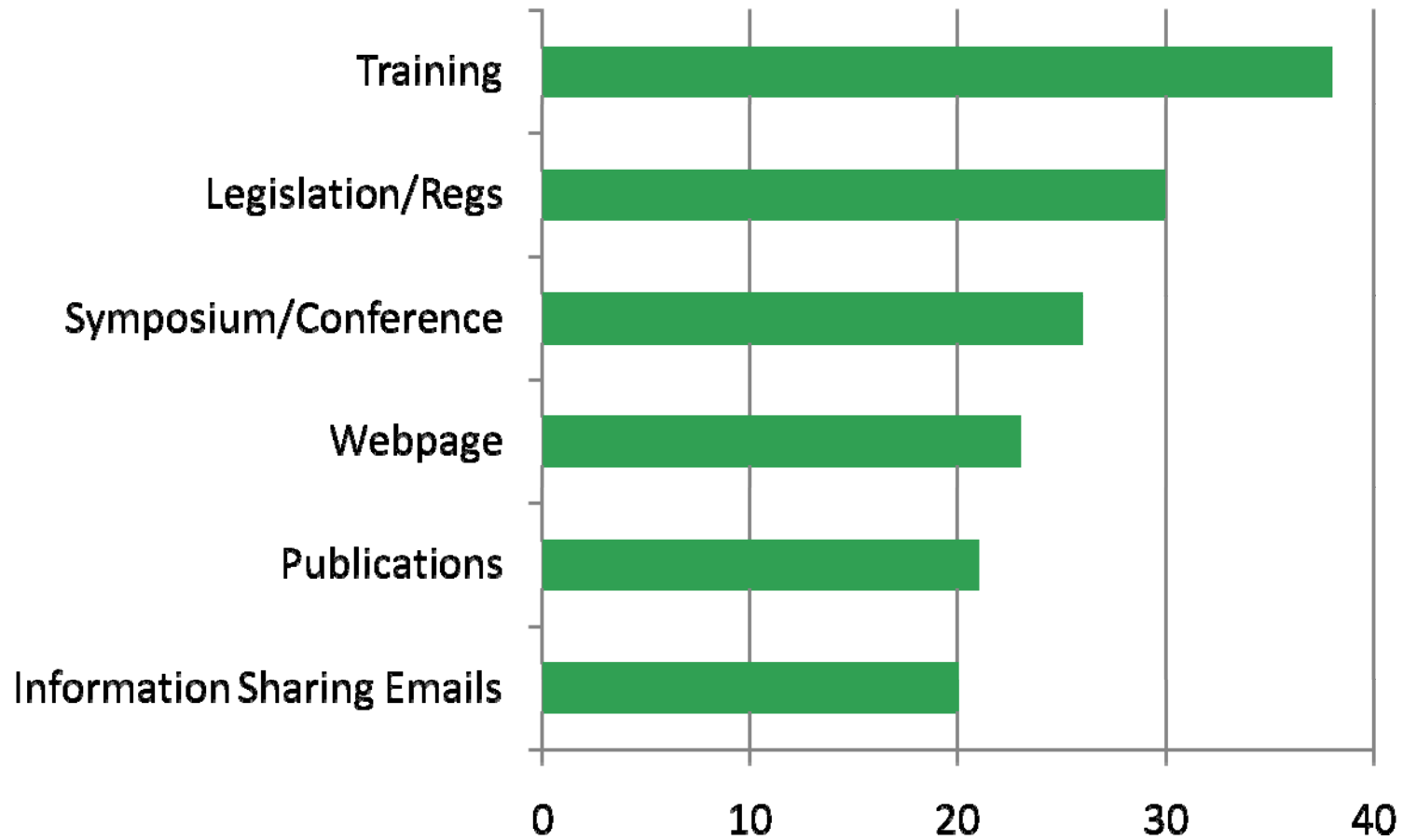
Barriers to Greener Cleanups



Incentives for Greener Cleanups



What Resources Are Needed to Encourage Greener Cleanups



Outreach to the States



- Webpage of greener cleanups resources
http://www.astswmo.org/resources_sustainability_greenercleanups.html
- Green remediation speakers and panel sessions at ASTSWMO meetings and other venues, such as U.S. EPA conferences
- Collaboration with other ASTSWMO task forces as well as outside parties interested in advancing green remediation practices for State programs