

Federal Funding Landscape for the Prevention, Monitoring, and Treatment of Harmful Algal Blooms

Funding Source	Eligible Recipients	Funding Type	Description
National Oceanic and Atmospheric Administration (NOAA)			
Ecology and Oceanography of HABs (ECO HAB)	Researchers	Grants	A peer-reviewed, national, competitive program that funds regional-scale and targeted studies. Funds research to understand the causes and impacts of HABs and their toxins.
Monitoring and Event Response (MERHAB)	Researchers	Grants	Funding for science projects to build capacity for HABs monitoring and response.
Prevention, Control, and Mitigation of HABs (PCMHAB)	Researchers	Grants	Funds research to move promising technologies for preventing, controlling, or mitigating HABs and their impacts through development, to demonstration, and, finally application, culminating in widespread use in the field by end-users.
United States Geological Survey (USGS)			
Cooperative Matching Funds	State, local, and tribal partners	Cooperative Agreements	Funds to support joint projects to provide reliable, impartial, and timely information needed to understand and manage the Nation's water resources.
Water Resources Research Act Program	Researchers	Grants	Grants to support water resources research distributed through 54 institutions of higher learning, one in each state, the District of Columbia, Puerto Rico, the US Virgin Islands, and Guam.
United States Department of Agriculture (USDA)			
Rural Development - Water and Environmental Programs (WEP)	Rural communities	Loans, grants, technical assistance	Funding and assistance to support critical rural services including the construction of water and waste facilities in rural communities. Includes the Circuit Rider program, which provides technical assistance to rural water systems that are experiencing day-to-day operational, financial or managerial issues.
Regional Conservation Partnership Program (RCPP)	Local communities	Grants	Funding for restoration efforts in partnership with agricultural producers to foster restoration efforts and the sustainable use of soil, water, flora, and fauna at regional and watershed scales. Recipients partner with agricultural producers to help implement and maintain conservation activities in project areas.
NRCS Innovation Grants	Non-Federal entities and individuals	Grants (grantees must match 1:1)	Grants that can be used for innovative management practices for nutrient reduction.

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Environmental Protection Agency (EPA)			
Drinking Water State Revolving Fund (DWSRF)			
<u>Drinking Water State Revolving Fund</u>	Local communities	Loans	Communities may use the DWSRF to reduce HABs and Cyanotoxins in their drinking water systems.
<u>DWSRF Set Asides for Source Water Protection Loans</u>	Local communities	Loans	States may offer loans to community water systems to finance source water protection activities through the Local Assistance and Other State Programs set-aside.
<u>General DWSRF Set Asides for Source Water Protection</u>	States and communities	Loans and grants	Recipients may use DWSRF set-asides to safeguard sources of drinking water.
Using DWSRF Set-Aside Funds to Assist Small Water Systems	Local communities (small systems)	Grants	As a result of the 1996 Amendments, states are required to provide a minimum of 15 percent of the funds available for assistance to small systems to help address infrastructure needs. This could include HABs prevention and treatment.
<u>Explanation of DWSRF set-aside eligibilities</u>	Local communities	Loans	This link provides additional details and DWSRF program guidance documents related to set-aside eligibilities.
Clean Water State Revolving Fund (CWSRF)			
<u>CWSRF Source Water Protection</u>	Public, private, or nonprofit entities	Loans	Funding for many types of source water protection projects, including both green and grey infrastructure water quality solutions for both surface water and groundwater.
Other EPA funding sources			
<u>Source Reduction Assistance Grant Program</u>	States, local governments	Grants	Funds support pollution prevention activities through source reduction and resource conservation.
<u>CWA Section 106 (Water Pollution Control) Monitoring</u>	States, tribes, interstate agencies	Grants	Funds support water pollution prevention and control programs and activities such as monitoring and assessing water quality, developing water quality standards, and identifying impaired waters.
<u>CWA Section 319 (Nonpoint Source)</u>	States, territories, tribes	Grants	States have flexibility to focus these funds with the goal of reducing nonpoint sources of polluted runoff.
<u>Great Lakes Restoration Initiative</u>	States, tribes, local governments	Grants	Funding for projects that aim to accelerate environmental progress in the Great Lakes, including reducing phosphorus loadings that often cause HABs.
<u>Chesapeake Bay Program</u>	States, tribes, local governments	Grants	Funds for restoration projects of all sizes across the Chesapeake watershed.

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<u>EPA Gulf of Mexico Division</u>	States, tribes, local governments	Grants	Funds and implements projects to protect, maintain, and restore the health and productivity of the Gulf of Mexico.
<u>EPA Office of Mountains, Deserts, and Plains</u>	States, tribes, local governments	Grants	Addresses federal hard rock mining cleanup sites west of the Mississippi River.
<u>Urban Waters Small Grants</u>	States, tribes, local governments	Grants	Funds to help local residents and their organizations, particularly those in underserved communities, restore their urban waters in ways that also benefit community and economic revitalization.
<u>National Estuary Program</u>	States, regional entities, tribes	Grants	Funds to protect and restore the water quality and ecological integrity of estuaries of national significance.
Other Funding Sources			
<u>Natural Resource Damage Assessment (NRDA)</u>	Trustee Implementation Groups	Other	Funds legally recovered from responsible parties from oil spills or other hazardous leaks for restoring natural resources.
<u>National Institute of Environmental Health Sciences (NIEHS)</u>	Researchers	Grants	Funds for projects to improve the prediction of HABs.
<u>National Science Foundation (NSF)</u>	Researchers	Grants, contracts, cooperative agreements	Funds for research and education in science and engineering
<u>United States Housing and Urban Development Community Development Block Grant (CDBG)</u>	States and local governments	Grants	Funds for a wide range of community development needs, with the mission to encourage urban revitalization and development in underserved communities.