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Governor

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

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Henry R. Darwin
Director

February 13, 2014

The Honorable Sally Jewell, Secretary of the Interior
U.S. Department of the Interior
1849 C Street, NW
Washington, D.C. 20240

Re: WATER DATA & SCIENCE PROGRAM FUNDING
Interior Department Appropriations for FY-2015

Dear Secretary Jewell:

We urge your support to enable the U.S. Geological Survey (USGS) to fully implement its design for the **National Streamflow Information Program (NSIP)** and to restore the USGS capacity to fully match non-federal cost-share investments in the **Cooperative Water Program (CWP)**.

We rely on the water data and science that these two USGS programs produce and many are active, cost-share partners ("Cooperators") in the Cooperative Water Program. America's need for streamflow, groundwater, tidal surge, precipitation and water quality data increases every year in relation to our public safety, land use and economic development needs, and our infrastructure planning and ecological commitments magnify those needs. It is imperative that the Interior/USGS budgets for the NSIP and CWP continue to meet our nation's needs while leveraging the approximately \$80 million contributed annually by over 800 Cooperators to maintain USGS streamgages.

Together, the NSIP and CWP serve the federal need and provide the benchmark for an integrated monitoring network and a proven source of reliable scientific information that we need to support well-informed decision making in both the public and private sectors across a wide variety of water resource planning, design and operational functions, including:

- monitoring compliance with federal compact and Native American trust responsibilities;
- designing bridges, dams, levees, navigation improvements and other infrastructure;
- forecasting storm surge, flood and drought conditions and issuing emergency advisories;

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- identifying flood-prone areas to protect lives and property and reduce disaster relief expenses;
- protecting water rights;
- managing reservoir releases for water supply, irrigation, hydropower, environmental and navigation uses;
- monitoring and protecting water quality, fisheries, wetlands and endangered species;
- providing safety information for boating and other water-based recreation;
- analyzing climate trends and evaluating community and regional response options; and
- projecting future water needs and availability for agricultural, municipal and industrial uses.

Concern for the long-term continuity and reliability of our national streamgaging data led the Congress to ask USGS for a solution and USGS proposed the NSIP in 1999. The NSIP was designed and authorized by Congress to operate as a federally-funded “backbone” network supporting approximately 4,750 streamgages and tidal gages necessary to fulfill 5 specific national purposes.

The National Research Council’s Committee on Water Resources Research evaluated the NSIP design and concluded that it will provide “a sound, well-conceived program that meets the nation’s needs for streamflow measurement, interpretation, and information delivery.” Unfortunately, over 20% of the 4,750 NSIP streamgages were installed and then disconnected due to insufficient funds; another 6% have yet to be installed. Of the 3,500 active NSIP streamgages, 90% do not have reliable federal funding, and their operation depends upon a patchwork of other agencies budgets.

The CWP streamgages have served America well for almost 120 years, and this partnership with state, tribal, interstate and local agencies sustains the rest of the national need for surface water measurement that isn’t covered by NSIP funding. USGS can barely support 30% of the cost of CWP streamgages today, compared with 50% in the past. As a result, a disproportionate share of the financial burden for this federal responsibility has shifted onto the non-federal partners and the sustainability of this partnership is increasingly at risk.

We accept that the federal budget needs to adapt to economic impacts and deficit concerns, but in the face of repeated storm damage, flooding and drought impacts, reliable data and science have never been more essential in protecting our communities, businesses and infrastructure investments. The coordinated NSIP and CWP monitoring programs serve as the stethoscope on America’s rivers and water supplies, and the USGS must lead America’s water community in water data and science, providing the essential standards and communication to assure reliable water information is accessible to all Americans when and where it is needed. Full implementation of these programs is a reasonable federal investment in the data and science needed to support the full set of federal responsibilities while reducing disaster impacts, enhancing the sustainability of our communities, our economies and our ecosystems.

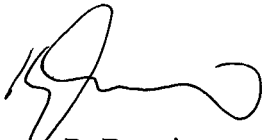
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Many other federal agencies needs this water data and science, too: to evaluate the implementation of the Clean Water Act, implementation of tribal agreements and international treaties, manage public lands and reservoirs, conserve endangered species, forecast and prepare for flooding, etc.

We hope that the Interior Department and OMB will help the USGS to fully implement the NSIP as directed in PL 111-11, and match the non-federal investment in the USGS monitoring network, to reverse the loss of long-term streamgages and to sustain the streamgages needed to understand water quality and climate trends, to forecast floods, storm surge and droughts, and to provide emergency warnings, manage interstate water supplies and to monitor compliance with federal treaties, compacts and Native American trust responsibilities.

We are happy to answer your questions or provide additional information; please contact any of us or Peter Evans at the Interstate Council on Water Policy (phe@riverswork.com or 703-243-7383).

Sincerely,

A handwritten signature in black ink, appearing to read 'H. Darwin', with a stylized flourish at the end.

Henry R. Darwin
Director