This point has been hammered home by a report to be released by the Center for Strategic and International Studies and Sandia National Laboratories today. The report reinforces what any organization addressing international water issues already knows: the local community must accept, embrace, maintain and take responsibility for the solution to their water issues. There are several initiatives in place in our country that are helping local communities across the globe in this regard.

The Department of Energy National Laboratories have tested tools and techniques for improving our domestic capacity in the desert southwest. The labs have shared that information with institutions around the globe to help strengthen local capacity.

As an example, Sandia National Laboratories' efforts to create new technologies to address major U.S. water issues are being applied to critical water issues in the strategically important Middle East. Ongoing interactions with Iraq, Jordan, Libya and Israel are helping address water safety, security and sustainability issues with technologies in water management modeling, water quality monitoring and desalination.

Sandia is also working to rebuild Iraq's science and technology capacity in collaboration with the Arab Science and Technology Foundation and the Departments of Energy and State. Just last week in Amman, Jordan, Sandia co-hosted a meeting where proposals developed by Iraqi scientists and their international collaborators were reviewed and presented to international funding agencies. Two such proposals for improving water resources management in Iraq were presented by Sandia staff and their Iraqi counterparts.

Separately, Sandia is working with the United Nations Educational, Scientific, and Cultural Organization to develop a proposed planning framework for water management in Iraq. This framework will utilize an advanced water management model developed at Sandia coupled with training of Iraqi water managers and scientists. This proposed framework is expected to be presented to Iraq's Ministry of Water in November.

In other areas, Sandia has reached a preliminary agreement with the Royal Scientific Society, RSS, in Jordan to pilot test a new technology for real-time collaborative development of water management models over the Internet. This technology will enable U.S. and Jordanian water experts to jointly assemble, test and deploy water management models, working in real time while half a world apart. Sandia has also developed a proposal with the Jordanians to pilot test real-time water quality monitoring technology utilizing Sandia's chem-lab-on-a-chip technology.

In Libya, Sandia is working on a program with the Departments of Energy and State to refocus former Libyan weapons scientists on development of peaceful technologies that will enable Libya to develop a strong, internationally-engaged economy. Water is a very high priority for the Libyans, and they are reconfiguring their former weapons development laboratory into a facility they have named the Renewable Energy and Water Desalination Research Center. Sandia is helping identify desalination technologies for use in Libya, with particular attention to technologies for treating the brackish water that is produced as a by-product of pumping oil and gas.

Further, Israeli water experts came to Sandia in 2003 to learn about water security. The trip led to a series of visits between Israeli water security experts, the Environmental Protection Agency's National Homeland Security Research Center, and Sandia. These interactions resulted in a collaborative proposal to test Sandia's real-time, chem-lab-on-a-chip water quality monitoring technology in Israel's water supply system.

Congress helped develop these tools by allowing the Department of Energy Laboratories to use part of their resources for laboratory directed research and development. In the case of Sandia, these seed funds have produced sensor technologies to test water for contaminants and terror agents, numerical models to help groups jointly manage and plan for the future and reduce conflict, water treatment technologies that may reduce costs and make impaired water available for beneficial uses, and tools to detect and respond to terrorist attacks in our municipal drinking water systems. These seed projects have then been extended and are coming to fruition under direct funding we have provided through the Department of Energy, DOE.

The work at Sandia National Laboratory does not represent a comprehensive list of all the achievements within the DOE. In fact, twelve of our national laboratories, all of whom have worked to expand and protect water supplies in some way, have worked jointly for three years to develop an outline of the ways water and energy resources are inter-related. These institutions are now working under DOE direction to develop a report to Congress on this interdependency, which I believe will help us determine which programs will most effectively ensure sufficient water supplies to support our energy needs and sufficient energy supplies to meet our water needs.

Additionally, these national laboratories are now working with both Federal and non-Federal institutions around the U.S. to develop a technology development roadmap. This effort will clearly identify our highest priority investments in research, development and commercialization so we can expand our nations' water supplies.

The success of these investments led us to authorize a new DOE program as part of the Energy Policy Act of 2005. That program is broad. I believe that overall it will help resolve problems related to water just as we are working to resolve our energy supply problems. I am particularly interested in the technology development aspects of the program and therefore plan to introduce a bill soon to instruct the DOE to focus attention on technology development and commercialization. A similar bill was introduced last Congress in partnership with Members from the House, and I have high hope that working together we can pass legislation this Congress.

I must note that DOE efforts are not the only activities that can assist the U.S. in addressing international water issues. The Bureau of Reclamation has a 30-year history of developing desalination technologies that have a significant international impact. The Bureau's reputation and capabilities in this area cannot be underestimated, and I hope the administration will develop a long-term strategy for use and expansion of those resources. Further, I have supported the Office of Naval Research's efforts to develop mobile water treatment technology for our troops. This technology has proven its worth by being deployed to Mississippi in the aftermath of Hurricane Katrina.

Additionally, my colleague and friend, Majority Leader FRIST, introduced legislation this spring entitled the ''Safe Water Currency for Peace Act of 2005'', S.492, which directs the Department of State to develop a cohesive international water development policy and then to begin to implement that strategy. This policy effort holds strong promise for the future of water as well.

I believe and remain a champion of the need to look ahead, to see the future of water supplies in this nation and the world and to actively prepare for that future. I have said before, and I still believe, that there is no more important or essential substance to us than water. It is the source from which life springs. It also has the potential to be the source of incredible conflict at both local and international levels. Fresh water supplies are coming under pressure all over the globe. Seriously confronting this problem before it leads to tremendous burdens on this nation and the world is an endeavor as worthwhile as any I can contemplate. The need is great. The goal is good. The initiatives I have discussed today, and others like them, can help us confront this problem.

AVIAN INFLUENZA

Mr. BIDEN. Mr. President, I am pleased to support and cosponsor Senator HARKIN's amendment aimed at enhancing our capability to combat an avian flu pandemic. This amendment provides absolutely crucial funding for key items that will clearly be needed to fight off this menace: a substantial stockpile of the only antiviral medication effective against H5N1 flu; expansion of the ability of our State and

local public health departments, which are the first line of defense against flu, to meet the threat; increased global surveillance for dangerous pathogens to pick up the first signs of a spreading epidemic, a priority issue that Senator FRIST and I have worked on for several years; improving our country's infrastructure for vaccine manufacture, which is sorely deficient; and money for communication and outreach, so we can have everybody prepared and on the same page.

We are all concerned about preparation for bioterrorist attacks. Smallpox, anthrax, plague, and other pathogens may be coming down the road at some point. But the public health experts tell us that H5N1 avian flu has already started down the road. It is not in the U.S. yet, and the scientists don't know when it might get here, but it is heading in our direction. The avian flu virus is spreading throughout Asia, carried by migratory waterfowl with a worldwide reach. The virus is continuously changing and adapting, heading toward the human-to-human transmission capability that could trigger a pandemic.

And we do know from the first 100 human cases, which have been limited so far to Southeast Asia, that this stuff is really lethal, with a case-fatality rate approaching 50 percent. By contrast, the deadly 1918 Spanish flu that killed millions of people had a case-fatality rate of only 2 percent. We're talking about a threat to this Nation as big as any we have faced.

Fortunately, we have a good idea of the measures we need to take to mitigate the impact of avian flu. But these measures cost money and have a significant lag time before they can be put in place. Many of these measures require resources only available in foreign countries. We don't know how much time we have got, and we have got to get moving on this right now. We really can't wait weeks and months for the ''right'' appropriation bill, for some ''advisory committee'' to finish its work, or for the completion of a ''comprehensive'' antiterror plan. The responsible, prudent move is to act now, to start putting in place the countermeasures that we know will work if implemented in time. The old philosopher who said that ''an ounce of prevention is worth a pound of cure'' may not have known anything about RNA viruses, but that advice would seem quite applicable to our current situation.

BUDGET SCOREKEEPING REPORT

Mr. GREGG. Mr. President, I hereby submit to the Senate the budget scorekeeping report prepared by the Congressional Budget Office under section 308(b) and in aid of section 311 of the Congressional Budget Act of 1974, as amended. This report meets the requirements for Senate scorekeeping of section 5 of S. Con. Res. 32, the first concurrent resolution on the budget for 1986.

This report shows the effects of congressional action on the 2005 budget through September 13, 2005. The estimates of budget authority, outlays, and revenues are consistent with the technical and economic assumptions of the 2006 concurrent resolution on the budget, H. Con. Res. 95.

The estimates show that current level spending is over the budget resolution by $3.145 billion in budget authority and over the budget resolution by $101 million in outlays in 2005. Current level for revenues is $447 million above the budget resolution in 2005.

Since my last report for fiscal year 2005 dated September 20, 2005, the Congress has cleared and the President has signed the TANF Emergency Recovery and Response Act of 2005, Public Law 109–68, that increased budget authority for fiscal year 2005.

I ask unanimous consent that the accompanying letter and material be printed in the RECORD.

There being no objection, the material was ordered to be printed in the RECORD, as follows:

U.S. CONGRESS,
CONGRESSIONAL BUDGET OFFICE,
Washington, DC, September 26, 2005.

Hon. JUDD GREGG,
Chairman, Committee on the Budget, U.S. Senate, Washington, DC.

DEAR MR. CHAIRMAN: The enclosed tables show the effects of Congressional action on the 2005 budget and are current through September 23, 2005. This report is submitted under section 308(b) and in aid of section 311 of the Congressional Budget Act, as amended.

The estimates of budget authority, outlays, and revenues are consistent with the technical and economic assumptions for fiscal year 2005 that underlie H. Con. Res. 95, the Concurrent Resolution on the Budget for Fiscal Year 2006. Pursuant to section 402 of that resolution, provisions designated as emergency requirements are exempt from enforcement of the budget resolution. As a result, the enclosed current level report excludes these amounts (see footnote 2 on Table 2).

Since my last letter, dated September 15, 2005, the Congress has cleared and the President has signed the TANF Emergency Recovery and Response Act of 2005 (P.L. 109–68) that increased budget authority for fiscal year 2005.

The effects of the action listed above are detailed in the enclosed reports.

Sincerely,

DOUGLAS HOLTZ-EAKIN.

TABLE 1.—SENATE CURRENT-LEVEL REPORT FOR SPENDING AND REVENUES FOR FISCAL YEAR 2005, AS OF SEPTEMBER 23, 2005

[In billions of dollars]

	Budget resolution [1]	Current level [2]	Current level over/under (—) resolution
ON-BUDGET:			
Budget Authority	1,996.6	1,999.7	3.1
Outlays	2,023.9	2,024.0	0.1
Revenues	1,483.7	1,484.1	0.4
OFF-BUDGET:			
Social Security Outlays	398.1	398.1	0
Social Security Revenues	573.5	573.5	0

Note: * = less than $50 million.

[1] H. Con. Res. 95, the Concurrent Resolution on the Budget for Fiscal Year 2006, assumed the enactment of emergency supplemental appropriations for fiscal year 2005, in the amount of $81.8 billion in budget authority and $32.1 billion in outlays, which would be exempt from the enforcement of the budget resolution. Since current level excludes the emergency appropriations in P.L. 109–13 (see footnote 2 of Table 2), the budget authority and outlay totals specified in the budget resolution have also been reduced (by the amounts assumed for emergency supplemental appropriations) for purposes of comparison.

[2] Current level is the estimated effect on revenue and spending of all legislation that the Congress has enacted or sent to the President for his approval. In addition, full-year funding estimates under current law are included for entitlement and mandatory programs requiring annual appropriations even if the appropriations have not been made.

Source: Congressional Budget Office.

TABLE 2.—SUPPORTING DETAIL FOR THE SENATE CURRENT-LEVEL REPORT FOR ON-BUDGET SPENDING AND REVENUES FOR FISCAL YEAR 2005, AS OF SEPTEMBER 23, 2005

[In millions of dollars]

	Budget authority	Outlays	Revenues
Enacted in Previous Sessions: [1]			
Revenues	n.a.	n.a.	1,484,024
Permanents and other spending legislation	1,109,476	1,070,500	n.a.
Appropriation legislation	1,298,963	1,369,221	n.a.
Offsetting receipts	−415,912	−415,912	n.a.
Total, enacted in previous sessions:	1,992,527	2,023,809	1,484,024
Enacted This Session:			
Authorizing Legislation:			
Surface Transportation Extension Act of 2005 (P.L. 109–14)	16	0	0
TANF Extension Act of 2005 (P.L. 109–19)	81	45	0
Surface Transportation Extension Act of 2005, Part II (P.L. 109–20)	15	0	0
Surface Transportation Extension Act of 2005, Part III (P.L. 109–35)	3	0	0
Surface Transportation Extension Act of 2005, Part IV (P.L. 109–37)	5	0	0
Surface Transportation Extension Act of 2005, Part V (P.L. 109–40)	2	0	0