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Ocean

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cation projects in his budget.

Jane Lubchenko, administrator of the National Oceanic and Atmospheric Administration, said the report draws attention to a problem that exists internationally but has hit particularly hard in the state of Washington.

Acidification is caused when oceans absorb human-generated carbon dioxide, mostly from the atmosphere and also from nutrient runoff and other sources.

Studies have shown that corrosive water has a dramatic effect on oysters, clams, and corals, and could potentially affect the broader marine food web.

Washington state is the nation's top producer of farmed shellfish. The problem affects the industry along with consumers and anyone who has ever dug up razor clams or picked oysters on the coast, Manning said.

The panel, the first of its kind for a state, recommended 42 wide-ranging actions. It cited 18 priorities, ranging from finding innovative techniques such as seaweed farming to capture and remove carbon to reducing greenhouse gas emissions.

The state has already taken action to reduce carbon emissions, including

adopting a renewable energy standard and negotiating an agreement to shut down the state's only coal-fired power plant. But the panel said more could be done, such as adopting a low-carbon fuel standard.

Gregoire also proposed a new center for ocean acidification at the University of Washington to be paid for by existing taxes collected on hazardous substances and revenue from leases on state-owned aquatic lands.

Ocean acidification likely affects marine organisms to varying degrees, but research has shown those using the mineral calcium carbonate to make shells, skeletons or other body parts are more sensitive to changing sea chemistry. The organisms include oysters, clams, scallops, mussels and coral.

In February, scientists in Oregon found evidence that higher levels of carbon dioxide in the Pacific Ocean were responsible for the failure of oyster larvae to survive in 2005 at Whiskey Creek Shellfish Hatchery on Netarts Bay.

The panel said Washington's waters are particularly vulnerable to ocean acidification because seasonal ocean

upwelling brings water rich in carbon dioxide — and more acidic — up from the deep ocean toward the continental shelf.

"We're still struggling with what we know and what we don't know about the biological impacts. We do know a whole lot about what happens to oyster larvae," said Richard Feely, an oceanographer at NOAA's Pacific Marine Environmental Laboratory in Seattle and a panel member.

Scientists are learning that other organisms such as pteropods — tiny free-swimming snails that are a primary food source for salmon — are already being affected by acidification, Feely said.

More recent work has found that acidifying oceans can affect behavioral responses of some organisms, such as whether a fish will go toward or avoid a predator, he said.

"We now need to have a better understanding of how the changes are taking place at the very bases of the food chain and how those changes permeate through the food chain up to fish and birds and mammals," Feely said.

REQUEST FOR PROPOSALS

The Confederated Tribes of the Warm Springs Reservation of Oregon

and
Jefferson County School District 509-J
New Warm Springs K-8 School
Request for Proposals for CM/GC Services
Due Date: 2:00 pm on December 21, 2012

Notice is hereby given that The Confederated Tribes of the Warm Springs Reservation of Oregon (CTWS) and the Jefferson County School District 509-J (509-J) are currently soliciting proposals for Construction Management/General Contractor (CM/GC) services for the New Warm Springs K-8 School. Proposals will be accepted until 2:00 pm on December 21, 2012 and shall be delivered to: Dave Fishel, Project Manager, Wenaha Group, Inc., 445 SE Buff Street, Madras, OR 97741.

The 509-J and CTWS may reject any proposal not in compliance with prescribed procedures and requirements and may reject for good cause any and all proposals upon a finding of 509-J and CTWS that it is in the public interest to do so. The 509-J and CTWS are not responsible for any costs of any proposers incurred while submitting proposal; all proposers who respond to solicitations do so solely at their own expense. This proposal is subject to Indian preference.

The Request for Proposal and all attachments and any addendum are available to any interested party on the School District web site located at www.jcsd.k12.or.us/bond/bond-information

All questions regarding this solicitation shall be directed to Dave Fishel, Project Manager at DaveF@Wenaha-Group.com.

11-28-12



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NOTICE OF PUBLIC HEARING

NOTICE IS HEREBY GIVEN that the Farmer's Irrigation District will hold a joint public hearing of its Board of Directors and its Public Contract Review Board regarding adoption of findings and a resolution supporting exemption of its Large Pipe Facilities Project — Farmers Canal Phases from the competitive bidding requirements pursuant to ORS 279C.335(1) on the 19th day of December, 2012, at 12:00 p.m. The meeting will be held at the Farmer's Irrigation District Office located at 1985 Country Club Road, Hood River, Oregon 97031. The proposed resolution will adopt findings in support of a contracting exemption for the construction of the Large Pipe Facilities Project — Farmers Canal Phases and grant an exemption from competitive bidding requirements.

The public hearing will be held for the purpose of taking comments on the District's draft findings and resolution described above. Copies of the draft findings and resolution are available at the Farmer's Irrigation District Office during its regular business hours.

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