

Wayne State and DOE Are Working On New Energy

DETROIT – The U.S. Department of Energy last week announced the selection of 14 new research projects across 11 states that will be part of an expanding portfolio of projects designed to increase DOE's understanding of the use of methane hydrates' potential as a future energy supply.

In particular, Wayne State University received \$178,000 to research how to further utilize advanced methane hydrates as a potential energy source.

Methan hydrates are 3D ice-lattice structures with natural gas locked inside, and are found both onshore and offshore – including under the Arctic permafrost and in ocean sediments along nearly every continental shelf in the world.

This particular science project builds on the completion of a successful, unprecedented test earlier this year that was able to safely extract a steady flow of natural gas from methane hydrates on the North Slope of Nebraska.

Meanwhile, Wayne State's proposed research will advance scientific understanding of parameters used to represent capillary pressure and relative permeability in the numerical simulation of hydrate dissociation and gas production.



US Brig Niagara, relief flagship for Admiral Perry, Battle of Lake Erie.

One Million Expected for Navy Week Events

DETROIT – The Detroit Historical Society will hold a celebration of Navy Week at the Dossin Great Lakes Museum on the weekend of Sept. 8-9 from 11 a.m. to 4 p.m., supported by the Naval Sea Cadets and the Noble Odyssey Foundation and sponsored by American House Senior Living Communities.

Navy Week in Detroit is Sept. 5-10, and the Society is planning a special weekend of free activities at the Dossin Great Lakes Museum on Belle Isle.

More than 1 million people are expected to visit the Detroit riverfront during Navy Week.

Saturday's activities feature:

- A celebration of the 50th anniversary of the Naval Sea Cadet program;
- A viewing of Naval training ship, the Pride of Michigan, docked near the museum from 11 a.m. to 3 p.m. where current and former Naval Sea Cadets will discuss the ship and their experiences on board;
- Films and presentations by Luke Clyburn of the Noble Odyssey Foundation on Great Lakes exploration, ecology and history, as well as the history of the Detroit River;
- Noon: an overview of the history of the Noble Odyssey Foundation, now celebrating its

35th year, and a screening/discussion of their film, "River Channels," with an update on recent work at the Straits of Mackinac;

- 2 p.m.: a screening/discussion of the film, "A Voyage into History";
- A representative of the Great Lakes Anchor Academy in Ferndale on hand to discuss the maritime-focused middle and high school opening in Fall 2013. Sunday's activities include:
- A celebration of Navy Veterans' Day, which includes free admission for all veterans of the armed forces (all branches) and their families;
- Family activities from 12 to 3 p.m. in DeRoy Hall inside the museum, including testing visitors' maritime skills as they label ports on the giant map of the Great Lakes, signal flag worksheets and rope tying;
- A special flag-raising ceremony at 1 p.m. outside the museum;
- Special guided tours of the museum and grounds.

The Dossin Museum, located at 100 Strand Drive on Belle Isle, is open Saturdays and Sundays from 11 a.m. to 4 p.m. Admission is free at the museum; however, donations are welcome.

During the week, the museum

is open for group tours by advance reservation.

Permanent exhibits include the Miss Pepsi vintage 1950s championship hydroplane, a bow anchor from the S.S. Edmund Fitzgerald, the pilothouse from the Great Lakes freighter S.S. William Clay Ford, and one of the largest known collections of scale model ships in the world.

GM, Chevrolet Welcome '1812' to the Riverfront

DETROIT – General Motors and Chevrolet are gearing up for Detroit's War of 1812 bicentennial commemoration Sept. 5-9, with many free, public events in and around GM's Renaissance Center World Headquarters.

Five days of festivities – part of Navy Week – are sponsored by a nonprofit coalition led by the U.S. Navy, U.S. Marine Corps and U.S. Coast Guard. Activities include ship tours, technology displays, search-and-rescue and rifle drill team demonstrations, and with daily performances by the U.S. Navy and U.S. Marine Corps bands.

"Because Detroit played such a key role in the War of 1812, we're supporting these events at our beautiful headquarters on the Detroit River," said Chris Perry, vice president, Chevrolet global marketing.

"We hope the community can come share our country's history and thank our military men and women for their service."

Detroit is one of several strategic port cities where War of 1812 bicentennial commemorations are taking place through 2015. Others include New York; Baltimore; Norfolk, Va.; New Orleans; Boston; Chicago and Cleveland.

The war that saw the capture and return of Detroit and the eventual burning of the White House also inspired Francis Scott Key to write "The Star Spangled Banner" – the American national anthem since 1931 – as Fort McHenry successfully defended Baltimore Harbor from a British naval attack in 1814.

GM's military discount program will sponsor a free concert by country music artist Darryl Worley from 6 to 7:30 p.m. on Saturday, Sept. 8, on the RenCen plaza stage.

Worley has performed for

troops here and overseas. A 2002 visit to Afghanistan, Kuwait and Uzbekistan helped inspire his No. 1 hit, "Have You Forgotten?" He has returned to perform for troops nine times since then.

Worley has been honored with the VFW's Americanism Award, the USO Merit Award and the U.S. Army Appreciation Award.

Before Worley takes the stage, the GM Foundation will present Operation Homefront with a \$25,000 grant to help it provide emergency financial and other assistance to Michigan families of service members and wounded warriors.

All week, active, reserve and retired military members and spouses can learn more about GM's military discounts and enter the Seize the Keys Camaro Sweepstakes. They and members of the public can be photographed with specially painted military vehicles and test-drive a new vehicle.

Free public tours of four Navy and U.S. Coast Guard ships at the Renaissance Center, Port Authority and Nicholson Terminal include:

- US Brig Niagara: A Tall Ship replica of the original that played a decisive role in the Battle of Lake Erie (Renaissance Center)
- USS Hurricane: The third Cyclone-class patrol coastal ship, commissioned in 1993 (Port Authority)
- USCGC Katmai Bay: A 140-foot Bay-class icebreaking tug used for Homeland Security patrols and law enforcement (Port Authority)
- USS De Wert: A Navy Oliver Hazard Perry-class frigate named after Hospitalman Richard De Wert, posthumously awarded the Medal of Honor for his heroism.

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