

A NOTE FROM: THE COMMISSIONER

With fall in full swing, the WRC has been working on a number of projects and events. In this E-newsletter, we highlight an “Energy Efficiency and Conservation Block Grant” from the Department of Energy. This grant will assist communities where we operate and maintain their water and wastewater facilities to reduce energy usage of these utilities. On the education front, the WRC teamed up with Oakland University to present the eighth annual Clinton River Review. This event featured speakers discussing recent accomplishments and challenges in the Clinton River Watershed. I am pleased to report that phase one of our multi-year Oakland-Macomb Interceptor project is complete and phase two will be starting soon. Additionally, throughout this E-newsletter, I’ve included several informative links that I encourage you to click on and review. I hope you will find this E-newsletter helpful and informative.

WRC Working to Increase Energy Efficiency Saves Dollars for Local Communities

Oakland County has been allocated more than \$4.8 million of direct grant funding from the U.S. Department of Energy’s (DOE) Energy Efficiency and Conservation Block Grant (EECBG) program. Of that

WHAT'S NEW?

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2011 Clinton River Review

Oakland Macomb Interceptor (OMI) Update

Other Noteworthy WRC News

In case you missed it, Commissioner McCulloch was recently featured on WXYZ Channel 7 Spotlight on the News with Chuck Stokes discussing a variety of infrastructure related issues. Commissioner McCulloch also was a guest on WWJ-TV CBS Michigan Matters with Carol Cain where he talked about his new, innovative [H2Opportunities](#), a business and technology accelerator that leverages its technology, engineering and manufacturing prowess to launch water technology businesses to create jobs. Both interviews c

amount, \$750,000 was allocated to the Water Resources Commissioner's office. This grant funding can be used for energy efficiency conservation programs and projects as well as renewable energy installations on government buildings.

The WRC is using the allocated funds to identify opportunities to replace equipment at several local and Oakland County-owned water and wastewater facilities that are operated and maintained by the WRC. Currently, the DOE has granted approval for three wastewater projects in the Evergreen-Farmington Sewage Disposal System. One project is at the Walled Lake-Novu Wastewater Treatment Plant and four well house projects are in Oakland and Oxford Townships. Approval for an additional eight projects is pending for water systems in Highland, Lyon, Oakland and Oxford Townships.

2011 Clinton River Review

Each year, the WRC teams up with Oakland University in Rochester Hills to sponsor this event. The Clinton River Review is a free, half-day event where local officials, watershed stakeholders, students and the public learn about the progress and challenges associated with protecting and restoring the Clinton River and its watershed.

More than 110 stakeholders from across the region listened to presentations highlighting the success stories and future challenges of the Clinton River watershed and the Great Lakes as a whole. This year's event featured David Cowgill, Acting Director of the Environmental Protection Agency's Great Lakes National Program Office. Other presenters included Anne Vaara, executive director of the Clinton River Watershed Council and Dr. Scott Tiegs, an assistant professor of biological sciences at Oakland University. The keynote address was delivered by Jeff Alexander, who discussed his recent book, Pandora's Locks: the Opening of the Great Lakes-St. Lawrence Seaway. For those of you living in the Clinton River Watershed, you can watch the entire Clinton River Review on your local public access cable television station where it is featured in a recent H2Oakland Show.

be viewed by [clicking here](#).

Save the dates!

The 2012 WRC Kids' Calendar will be available soon!

[Click here](#) to place your free calendar order.



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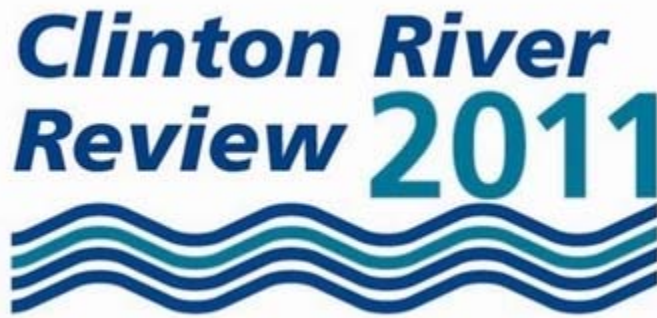
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Oakland Macomb Interceptor (OMI) Update

Construction of the first phase of the Oakland-Macomb Interceptor Drain (OMI) Rehabilitation Project, which began in February of 2010, is now complete. The first phase, also known as Segment 1, consisted of two construction contracts, both of which were completed by Ric-Man Construction, Inc. These two contracts included the construction of five new permanent flow control / access structures and modifications to an existing flow control structure. Four of the five new structures include a very large steel stop gate. One of the structures includes a temporary pump station. These new facilities, operated in cooperation with Macomb County's Clintondale Pump Station and Detroit's Northeast Pump Station, will provide a means of controlling flow in the OMI system by using the upstream pipes for storage and temporarily backing up flow. The flow control plan will utilize alternating periods of storage and release to provide working time downstream to conduct rehabilitation work in subsequent phases of the project.

Design for the second phase of the project has been completed and plans and specifications have been issued for bids. Bids will be received on October 25, 2011. Construction is expected to begin by January of 2012. Rehabilitation of the pipe in the lower half of the OMI system will begin with this phase, utilizing the flow control made possible by the facilities constructed in the first phase. Work will include cementitious grouting of voids outside the interceptor, chemical grouting of leaks and localized repair of the pipe wall. In addition, modifications will be made to the Northeast Pump Station including the installation of a new 1,250 horsepower variable frequency drive pump. Construction costs are estimated at \$20.2 million. This phase of the work is scheduled to take approximately two years.

As construction on the second phase of the project gets started, design efforts will begin on the third phase. The third phase has two

major components: 1) installation of a permanent liner in sections of the interceptor where hydrogen sulfide has affected the long-term integrity of the pipe, and 2) rehabilitation of a restricted section of the interceptor that was previously repaired but is again in need of attention. Various rehabilitation methods are being evaluated to determine the type of lining to be used. Slip lining and spiral wound lining are the two methods being given the most consideration at this time. The rehabilitation of the restricted section of pipe likely will include construction of a new parallel sewer. Construction of phase three is expected to overlap with phase two and is expected to begin in 2013.

