



Rick Snyder, Governor

# The Michigan Department of Environmental Quality

Dan Wyant, Director  
<http://www.michigan.gov/deq>

and

## The Michigan Finance Authority

Under the Authority of Part 54,  
Safe Drinking Water Assistance,  
of the Natural Resources and  
Environmental Protection Act, 1994 PA 451,  
as amended and  
the Shared Credit Ratings Act, 1985 PA 227

Present the

# Fiscal Year 2014 Annual Report of the Michigan Drinking Water Revolving Fund

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## **I. INTRODUCTION**

The Safe Drinking Water Act (SDWA), 1976 PA 399, amendments of 1996 (P.L. 104-182), passed by Congress in 1996 authorized the creation of the Drinking Water Revolving Fund (DWRF) via the U.S. Environmental Protection Agency (EPA). The DWRF provides low-interest loans to qualified water supplies for the creation, repair, or enhancement of public, privately owned community, and not-for-profit non-community water supplies. The loan repayment period is 20 years, unless an applicant is qualified as 'disadvantaged,' then the loan repayment can extend to 30 years. The Michigan Department of Environmental Quality (DEQ) and the Michigan Finance Authority (MFA) administer the DWRF program. The MFA is staffed by the Michigan Department of Treasury with oversight from the State Treasurer. The DEQ handles all program issues, and MFA administers financial aspects of the program.

## **II. PROGRAM CONTACTS**

For financial issues, such as the bond structure, bond documents, audit reports, and other financial matters, contact:

Mr. Joseph L. Fielek, Executive Director  
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Richard H. Austin State Office Building  
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For technical reviews of DWRF projects, permit issuance, and administration of the set-aside programs (i.e., source water protection, wellhead protection, capacity development, and operator certification) authorized by the SDWA, contact:

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For DWRF program oversight, EPA grant administration, loan and project management issues, contact:

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### III. PROGRAM STRUCTURE

The DEQ provides loans to qualified applicants with at least investment grade credit. Proof of investment grade credit can include a separate credit rating or a credit assessment letter from one of the rating agencies, a pledge of state revenue sharing with sufficient coverage, or credit enhancement. The MFA must approve the investment grade credit before purchasing the debt of the applicant. Michigan law allows for a county or a public authority to issue debt on the behalf of underlying communities. The DWRF reimburses applicants using federal funds from the capitalization grant and state match.

Based on the amount of fund assets available, the DEQ did not leverage the federal capitalization grant and state match funds for fiscal year (FY) 2014. The DEQ will continue a direct loan program. There was no cross collateralization of the DWRF with the Clean Water State Revolving Fund.

### IV. LONG-TERM GOALS

The Great Lakes surround Michigan and provide its residents with an abundant water supply. The DWRF program helps to protect and enhance Michigan's water supply and the health of the public. Michigan identified these long-term goals in the FY 2014 Intended Use Plan (IUP):

**Goal:** *To provide low-cost financing for waterworks system improvements or upgrades while maintaining the perpetuity of the DWRF.*

The MFA continues to use a financial advisor to guide decisions on fundable range scenarios, interest rates, and other finance related topics (i.e., funding capacity of the fund, investment options). Michigan looks to balance the goals of meeting the capitalization grant requirements (i.e., additional subsidies, green projects, Davis Bacon) and fund as many projects as possible each year while maintaining the DWRF in perpetuity.

**Goal:** *To continue effective partnerships with other federal and state financing sources to promote efficiency in environmental review procedures and coordination of funding.*

The DEQ continues to work together with various federal and state agencies, such as the U.S. Department of Agriculture - Rural Development, Rural Community Assistance Program, the Michigan Department of Transportation and the Michigan Department of Licensing and Regulatory Affairs, to fund qualifying projects. Environmental reviews are coordinated to the extent possible to assist the applicants and still meet the federal and state environmental requirements.

**Goal:** *To maintain statewide compliance with all applicable state and federal drinking water laws, rules, and standards while protecting the public health and environmental quality of our state.*

The DEQ continues to use the DWRF set-aside funding to protect the public health of Michigan residents. Funding is used to maintain source water assessment, wellhead protection, and source water protection programs. Technical assistance helps small, economically disadvantaged communities in meeting drinking water standards. Also the set-aside can apply a capacity assessment program for all new and existing community and non-transient non-community water supplies and continue the operator certification program requirements to assure proper operation and maintenance of public water systems.

Michigan is proud of its accomplishments in promoting compliance with all applicable drinking water requirements. The DWRF provides a source of infrastructure financing that assists communities in protecting public health. In FY 2014, 13 loans were made to water suppliers, totaling \$51,060,000. Since 1997, 265 DWRF loans, totaling \$808,720,000, have been made to Michigan water suppliers. See Attachment 1 – DWRF Funded Projects by Binding Commitment Date for a list of loans tendered to date. Attachment 2 is a narrative of all of the projects funded in FY 2014. Figure 1 shows the counties in Michigan that received funding during the fiscal year.

The following provides the cost breakdown by project category of all projects funded to date. A detailed listing of all the projects by Category Cost is provided in Attachment 3.

I. Transmission/Distribution	\$424,013,223
II. Treatment	\$232,223,692
III. Storage	\$ 74,885,682
IV. Source	\$ 46,395,945
V. Other	<u>\$ 31,201,458</u>
<b>TOTAL</b>	<b>\$808,720,000</b>

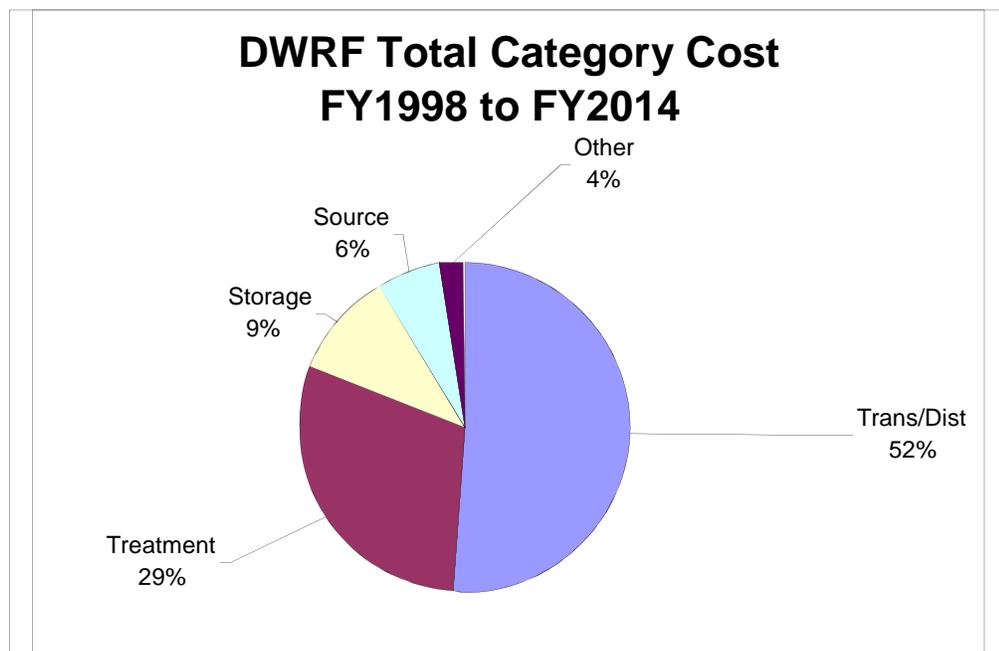


Chart 1

The DWRF funds projects of varying population size. The following shows the dollar amount and the number of projects funded by population size since the inception of the program. This same information is portrayed below in Chart 2.

Population less than 3,500	\$130,600,000	80
3,500 to 9,999	\$138,895,000	59
10,000 to 99,999	\$412,295,000	106
Over 100,000	<u>\$126,930,000</u>	<u>20</u>
<b>TOTAL</b>	<b>\$808,720,000</b>	<b>265</b>

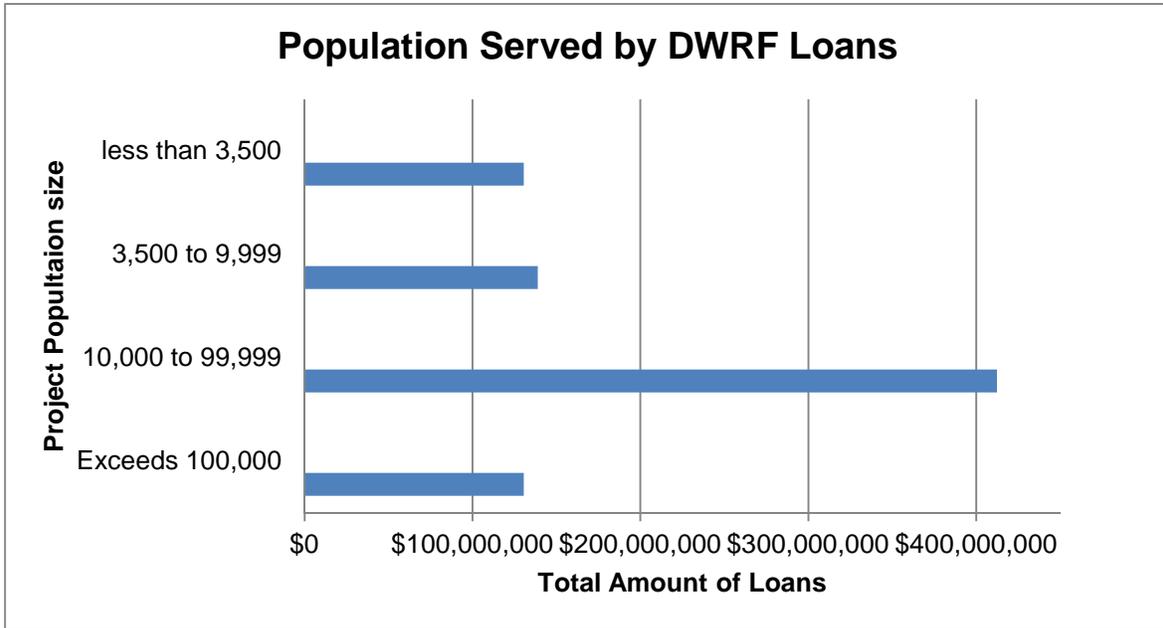


Chart 2

Attachment 4 is the DWRF Small Community Report. This report provides a breakdown of the total dollar amount of small community projects that were funded to water suppliers with populations less than 10,000 in FY 2014. There were two small community loans funded, and they total \$2,515,000.

**Goal:** *To continue use of the DWRF program.*

Demand for the DWRF has slowed in recent years. RLS staff is increasing marketing efforts of the DWRF. We are reaching out to various municipal and technical organizations, including consultant firms, to remind them of the benefits of funding their capital improvement projects with the DWRF.

RLS staff was also involved in an increased amount of training this year. The drinking water program has a new asset management program requirement. Several staff members in RLS were involved in creating guidance documents and related training for asset management. Michigan's focus on asset management will help communities identify priority infrastructure projects and develop a rate structure to support those needs. We expect these efforts to generate a strong interest in new drinking water projects for the DWRF.

## V. SHORT-TERM GOALS

In order to accomplish the long-term goals, the DEQ focused on more immediate objectives. Our short-term goals in FY 2014 were:

**Goal:** *Secure Michigan's full share of federal funding and to expeditiously obligate these monies, along with the state contribution.*

Michigan applied for its total allocation amount by September 30, 2014, and was awarded the 2014 capitalization grant. The DEQ and MFA funded all projects identified on the FY 2014 PPL that were able to complete the application process for the funds available. Prior year capitalization grants were obligated to fund the projects.

The fundable range amount was \$50 million, as noted in the IUP. This amount provided funding to 13 DWRF projects (through Huron Charter Township, Project No. 7369-01 on the FY 2014 PPL). Attachment 5 shows the FY 2014 PPL and includes funded projects and the six projects that declined/delayed funding at various times during the year for numerous reasons. Communities that declined funding were bypassed, and other communities were offered funding as time permitted. All projects receiving DWRF funds in FY 2014 issued a Notice to Proceed within 60 days of the loan closing. The DEQ and the MFA committed \$51,060,000 to 13 DWRF projects, bringing total commitments made from the inception of the DWRF program to \$808,720,000. The DEQ applies the federal crosscutters to every project funded during the fiscal year.

**Goal:** *Ensure that the additional requirements of the 2013 capitalization grant are met, including those that are imposed on local borrowers.*

Congress directed that projects receiving DWRF funding after January 17, 2014, comply with the American Iron and Steel (AIS) provisions unless the project plans and specifications were approved by the DEQ prior to January 17, 2014, or the project was provided a waiver. Our office worked with communities to ensure that the AIS requirements were met. DEQ staff also continues to work closed with community staff to ensure that the Davis-Bacon requirements are met.

The 2013 capitalization grant did not have a Green Project Reserve requirement. However, the DEQ continued to solicit green infrastructure, water/energy efficient, and environmentally innovative projects for the FY 2014 PPL. The DEQ required and approved business cases for projects that are not determined categorically green as described in the EPA's 2011 DWRF Procedures. Business cases were posted on the DEQ website once the green projects were awarded funding.

Congress mandated that at least 20 percent of the 2013 capitalization grant be provided as additional subsidy to borrowers. The DEQ provided the additional subsidy as principal forgiveness; \$4,726,450 was allocated during the fiscal year. Congress also required all DWRF projects funded in FY 2014 pay their workers the federal Davis-Bacon wage rates for their job classification. The Davis-Bacon requirement was passed on to all communities that received DWRF funding in FY 2014. Attachment 6 details the funded projects that were allocated to each capitalization grant in order to fulfill the green project and additional subsidy requirements for grant years 2010 thru 2013.

**Goal:** *Review and update, as applicable, the Operating Agreement by December 31, 2014.*

The DWRF program has acquired additional requirements since the American Recovery and Reinvestment Act; however, the Operating Agreement has not been updated to reflect the new requirements. The goal for the completion of the updates has been extended to December 31, 2014.

Activities related to the Michigan operator certification and capacity development programs are summarized and reported under separate cover to the regional contact person at EPA. Mr. Benzie submitted the 2014 Operator Certification and Expense Reimbursement Grant Annual Report to Mr. Ronald Kovach (EPA) in September 2014. The Annual Capacity Development Report is expected to be submitted to Ms. Sahba Rouhani (EPA) in December 2014.

## **VI. ESTABLISHMENT OF INTEREST RATES**

The primary advantage for Michigan water suppliers is their ability to borrow funds at below market rates from the DWRF. The DWRF interest rate is established prior to each new fiscal year. As identified in Part 54, Safe Drinking Water Assistance, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, determination of the interest rate is based on demand, market conditions, program costs, and future needs. Since a portion of the state match in any given fiscal year may be financed with state revenue match bonds, the upcoming year's interest rate must also account for the expense incurred in securing the bonds.

The DWRF is unique when compared to the SRF, in that both municipal and non-municipal water suppliers may participate if they qualify. In assessing the market conditions for each type of entity, it was quickly apparent to DEQ staff that a municipality would enjoy lower rates of interest on the open credit markets than would a private, non-municipal supplier who would normally have to obtain taxable financing through commercial lending institutions.

Based on the knowledge that market conditions generally demand higher rates of interest for non-municipal borrowers, and considering limitations of having to serve them through a direct, non-leveraged program structure, the director of the DEQ has determined that the DWRF will provide similar subsidy rates to both municipal and non-municipal borrowers. The interest rate in FY 2014 was 2.5 percent for municipal borrowers, and a 2.5-percent buy-down of interest for private water suppliers, although no private water suppliers were on the PPL. The historical interest rates for the DWRF program are shown below.

<u>Fiscal Year</u>	<u>Interest Rate</u>
1998 to 2003	2.500%
2004 to 2007	2.125%
2008 to 2012	2.500%
2013	2.000%
2014	2.500%

## **VII. ADVANTAGES OF THE DWRF**

The DWRF will provide an on-going source of funding to maintain or improve drinking water quality and public health. All eligible water system costs can be financed using the DWRF low-interest loan. In addition, the on-site technical assistance, opportunities for source

water assessment and protection, Operator Training and Certification Program, and the Abandoned Well Management Program provide a blend of direct and indirect aids to local communities across Michigan.

## VIII. ALLOCATION OF FUNDS

A three-step process is used to allocate funds to eligible projects. First, the DEQ and the MFA identify new sources of funds to be added to the revolving fund and the spending limits for the DWRF within the given fiscal year. Next, a determination of the type and amount of financial assistance necessary for each supplier is made. Finally, funds are allocated among the projects consistent with amounts available and the project's priority standing. The following identifies the new sources of funds available to the DWRF in FY 2014, less 4 percent for administration and drinking water program set-asides:

2013 Capitalization Grant Funds	\$25,579,000
2013 State Match (general funds)	\$ 5,000,000
2013 State Match (state match bonds)	\$ 506,000
<b>TOTAL</b>	<b>\$31,085,000</b>

There was an additional cash match of \$1,755,139 spent in FY 2014 from the Public Water Supply Fee Program administered by the ODWMA. This amount meets the dollar-for-dollar match requirement for source water protection, capacity development, and operator certification.

The governor of each state may opt to transfer up to 33 percent of available moneys between the SRF and the DWRF programs. This may occur starting one year after a state receives its first capitalization grant for project funds. This option was not exercised during the period covered by this annual report.

## IX. EPA PAYMENT PROCESS

As the federal capitalization grants for the set-aside funds were awarded, the EPA processed payment requests for increases to the state's draw capabilities via the Automated Standard Application for Payments system. In FY 2014, the DEQ and the MFA processed \$45,076,707 in loan disbursements. Administrative costs for the DEQ and the MFA in FY 2014 totaled \$1,012,507 in disbursement requests. Non-administrative set-aside requests totaled \$4,085,908. During the fiscal year, the cash draw ratios (federal funds/state match) used for the 2011, 2012, and 2013 capitalization grants were 80.41/19.59, 80.32/19.68, and 80.14/19.86, respectively.

## X. ASSURANCES

A. The final guidelines from the EPA set forth provisions that the state must give certain assurances in order to qualify for capitalization grant funding. These assurances were incorporated into the Operating Agreement signed by the EPA, the Michigan Department of Environmental Quality, and the Michigan Municipal Bond Authority (now known as the MFA) on December 9, 1997. Along with federal and state law, the Operating Agreement serves as the framework by which Michigan's DWRF program operates. The DEQ and the MFA have fulfilled the stated assurances throughout the operation of the DWRF during this fiscal year. The Capacity Development and Operator Certification annual set-aside reports will be submitted by the ODWMA, when complete, as required by the Safe Drinking Water Act.

- B. The audit of MFA's financial records is not complete. The audit should be available in December 2014. When the audit report is complete, it will be posted to the internet at this address: [http://www.michigan.gov/treasury/0,1607,7-121-1753\\_37601\\_37659---,00.html](http://www.michigan.gov/treasury/0,1607,7-121-1753_37601_37659---,00.html)
- C. Michigan agreed to annual fair share objectives of 0.6 percent for Minority Business Enterprise (MBE) and 0.3 percent for the Women Business Enterprise (WBE) for FY 2014. Michigan includes a special condition in all supplemental agreements executed between the loan recipient, the DEQ, and the MFA regarding MBE and WBE requirements. Michigan has not met its MBE (.048 percent) or WBE (0.02 percent) objectives for the DWRF. The MBE and WBE figures were reported by the DEQ as part of the state's required submission during FY 2014.

As part of the state's continuing effort to meet the MBE/WBE objectives, RLS presentations are made at the pre-bid meetings to explain the federal requirements to potential contractors, subcontractors, and suppliers. Presentation materials related to the MBE and WBE objectives are discussed as well as the expected actions for contractors working on a DWRF funded project. RLS made revisions to the Good Faith Efforts Worksheet to ensure that contractors understand the necessary steps for soliciting quotes from MBE and WBE firms.

- D. Michigan participates in the Environmental Project and Benefits Reporting (PBR). Currently, all of the projects funded in FY 2014 have been entered into the EPA PBR System.

## **XI. SUMMARY**

Michigan will continue to provide safe drinking water as it promotes the DWRF program and works with communities to successfully fund projects.

# DEQ Drinking Water Revolving Fund Funded Projects by Binding Commitment Date

**DWRF**

Project No	Applicant	Location	Description	Binding Comm. Date	Binding Comm. Amount
7039-01	Mt Clemens	Macomb Co	Seg 1; Repl mains, looping	6/12/1998	\$855,000.00
7032-01	Ottawa Co	Polkton Twp	Dist ext	6/12/1998	\$395,000.00
7018-01	Carrolton Twp	Saginaw Co	Upgrade/replace the majority of water mains	6/12/1998	\$2,165,000.00
7021-01	Washtenaw Co	Saline	Water main replacement at four locations	6/12/1998	\$1,375,000.00
7028-01	Frankfort	Benzie Co	New well, grnd strg, ps imps, repl mains	8/27/1998	\$1,775,000.00
7015-01	Flushing	Genesee Co	Replace/rehab distribution mains	8/27/1998	\$2,045,000.00
7017-01	YCUA	Washtenaw Co	Rehab/replace aged mains	8/27/1998	\$4,935,000.00
7022-01	Manchester	Washtenaw Co	Repl mains, looping, det tank	8/27/1998	\$620,000.00
7014-01	Oxford	Oakland Co	Replace and upgrade aged mains	8/27/1998	\$1,895,000.00
7026-01	St Clair Co	Algonac	New intake crib, ps, grnd strg tanks	8/27/1998	\$7,900,000.00
7023-01	Blissfield	Lenawee Co	Repl WTP, new intake	8/27/1998	\$6,485,000.00
7029-01	Van Buren Co	Paw Paw	Repl mains, looping	8/27/1998	\$830,000.00
7030-01	Coopersville	Ottawa Co	Repl mains	8/27/1998	\$750,000.00
7031-01	Hudsonville	Ottawa Co	Repl mains	8/27/1998	\$500,000.00
7042-01	Lapeer Co	Dryden	Repl mains, looping, new well	8/27/1998	\$1,155,000.00
7024-01	Mt Clemens	Macomb Co	Seg 1; WTP upgrd, sed basin impr	8/27/1998	\$2,155,000.00
7005-01	Lansing Twp	Ingham Co	Clement Road portion: 2600 ft. of replacement 12"	8/27/1998	\$425,000.00
7004-01	Marine City	St Clair Co	New 750,000 gallon spheroid water storage tower	8/27/1998	\$1,155,000.00
7013-01	Summit Twp	Jackson Co	Two new wells, elevated storage,	8/27/1998	\$4,630,000.00
7006-01	Otisville	Genesee Co	Two new wells with .5 mile main connections	8/27/1998	\$375,000.00
7001-01	Wixom	Oakland Co	Segment 1	8/27/1998	\$3,895,000.00
7010-01	Sault Ste Marie	Chippewa Co	Segment B	8/27/1998	\$4,155,000.00
7002-01	Breckenridge	Gratiot Co	New well with 450ft transmission main	8/27/1998	\$330,000.00
7011-01	Rockford	Kent Co	2 new supply wells, iron removal, main replacement	8/27/1998	\$2,440,000.00
7001-02	Wixom	Oakland Co	Segment 2	3/5/1999	\$6,180,000.00
7039-02	Mt Clemens	Macomb Co	Seg 2; Repl mains	3/5/1999	\$4,845,000.00
7066-01	Ironwood	Gogebic Co	Well field imp, WTP imp	3/5/1999	\$900,000.00
7057-01	Fenton	Genesee Co	New grnd strg tank, repair strg tanks, looping	3/5/1999	\$1,480,000.00
7059-01	Holly	Oakland Co	New well, rehab/expnd trt plant, upgrd wtr tower	5/25/1999	\$1,435,000.00
7046-01	East Jordan	Charlevoix Co	Phase 1; Grnd strg, repl mains	5/25/1999	\$850,000.00
7048-01	Plainwell	Allegan Co	2 new wells, elev strg, main ext	5/25/1999	\$1,570,000.00

<b>Project No</b>	<b>Applicant</b>	<b>Location</b>	<b>Description</b>	<b>Binding Comm. Date</b>	<b>Binding Comm. Amount</b>
7005-02	Lansing Twp	Ingham Co	Installation of 4000 lineal feet of 12" water main	5/25/1999	\$780,000.00
7038-01	Melvindale	Wayne Co	Repl mains, looping	5/25/1999	\$1,100,000.00
7021-02	Washtenaw Co	Saline	Seg 2; Main repl, looping, press valves, elev strg	5/25/1999	\$1,420,000.00
7007-01	Mt Morris	Genesee Co	Distribution main replacement	9/3/1999	\$420,000.00
7044-01	Sanilac Co	Lexington	Upgrd/Expnd Lk Huron intake, WTP upgrd, dist imp	9/3/1999	\$2,040,000.00
7064-01	Eaton Rapids	Eaton Co	Repl mains, dist ext, WTP upgrd	9/3/1999	\$1,745,000.00
7008-01	White Cloud	Newaygo Co	New 200,000 gallon water storage tank	9/3/1999	\$835,000.00
7053-01	Caro	Tuscola Co	Repl dist mains, new well, trans main	9/3/1999	\$1,035,000.00
7052-01	St Clair Co	East China/China	New intake, WTP, repl mains	9/3/1999	\$8,425,000.00
7069-01	YCUA	Washtenaw Co	Phase 2; Repl mains	9/3/1999	\$1,085,000.00
7019-01	Flint	Genesee Co	WTP upgrade, seg 1	9/3/1999	\$7,220,000.00
7065-01	Grand Beach	Berrien Co	Repl mains	9/3/1999	\$720,000.00
7086-01	East Jordan	Charlevoix Co	Phase 2; New well, ps, repl mains, looping	9/3/1999	\$1,290,000.00
7058-01	Highland Park	Wayne Co	WM Improv; WTP Improv	9/3/1999	\$6,000,000.00
7001-03	Wixom	Oakland Co	Segment 3; Main extensions	3/2/2000	\$7,290,000.00
7039-03	Mt Clemens	Macomb Co	Seg 3; Repl mains, looping	6/1/2000	\$1,960,000.00
7091-01	Ottawa Co	Allendale Twp	New booster sta, booster sta imp, trans main repl	6/1/2000	\$1,865,000.00
7082-01	Colon	St Joseph Co	New elev strg tank, new well, repl mains, looping	6/1/2000	\$2,085,000.00
7090-01	Sparta	Kent Co	New well, repl mains, looping, standby power	8/31/2000	\$4,330,000.00
7024-02	Mt Clemens	Macomb Co	Seg 2; WTP upgrd, disinf	8/31/2000	\$2,075,000.00
7019-02	Flint	Genesee Co	Clarifier, plate settlers, flume rehab	8/31/2000	\$8,035,000.00
7084-01	Chelsea	Washtenaw Co	Seg 1; New production well, trans main	11/28/2000	\$6,110,000.00
7078-01	Sunfield	Eaton Co	Elev strg tank, looping, remove hydro tank	6/11/2001	\$880,000.00
7067-01	Lake Linden	Houghton Co	New well; grnd strg, repl mains	6/11/2001	\$1,200,000.00
7103-01	Milford	Oakland Co	Phase 1: WTP filter media, upgrd/repl stor tank	6/11/2001	\$1,905,000.00
7083-01	Hudson	Lenawee Co	Repl high serv & well pumps/motors,	6/11/2001	\$1,770,000.00
7023-02	Blissfield	Lenawee Co	Install nitrate remvl equip	9/7/2001	\$750,000.00
7079-01	Muir	Ionia Co	New wells, elev strg tank, repl mains	9/7/2001	\$1,850,000.00
7019-03	Flint	Genesee Co	Filter rehab, electric rehab	9/7/2001	\$9,480,000.00
7100-01	Nashville	Barry Co	New & repl mains, WTP imps, standby generators, booster PS	9/7/2001	\$965,000.00
7010-02	Sault Ste Marie	Chippewa Co	Segment C	9/7/2001	\$1,800,000.00
7088-01	Port Huron	St Clair Co	Phase 2; Repl mains, looping	11/29/2001	\$8,945,000.00
7079-02	Muir	Ionia Co	Financial segment of 7079-01	11/29/2001	\$340,000.00

<b>Project No</b>	<b>Applicant</b>	<b>Location</b>	<b>Description</b>	<b>Binding Comm. Date</b>	<b>Binding Comm. Amount</b>
7084-02	Chelsea	Washtenaw Co	Seg 2; Repl mains, looping	3/12/2002	\$3,090,000.00
7095-01	Jackson Co	Parma	Ext dist mains	3/12/2002	\$1,110,000.00
7106-01	Milford	Oakland Co	Phase 2: Looping, dist main, upgrd/repl stor tank	3/12/2002	\$1,760,000.00
7108-01	Shelby	Oceana Co	Repl mains, looping, booster station, booster station rehab	3/12/2002	\$1,365,000.00
7110-01	Port Huron	St Clair Co	Phase 3; Repl mains, looping	3/12/2002	\$3,930,000.00
7009-01	Eschanaba	Delta Co	Treatment plant annex	6/11/2002	\$2,750,000.00
7096-01	Ypsilanti	Washtenaw Co	Phase 3; Repl mains	9/5/2002	\$485,000.00
7101-01	North Branch	Lapeer Co	New well, repl mains	9/5/2002	\$1,320,000.00
7102-01	Monroe Co	South Rockwood	Repl mains, looping, 2nd supply connection	9/5/2002	\$1,530,000.00
7068-01	Marion	Osceola Co	Replace distribution mains	9/5/2002	\$1,800,000.00
7098-01	Adrian	Lenawee Co	WTP upgrd, repl mains	9/5/2002	\$5,665,000.00
7085-01	Jackson Co	Grass Lake	new strg tank & repl mains	9/5/2002	\$2,255,000.00
7113-01	Port Huron	St Clair Co	Phase 4; Repl mains, looping	9/5/2002	\$1,805,000.00
7107-01	Fenton	Genesee Co	New WTP w/ iron remvl, sftng, repl mains, looping	11/26/2002	\$9,600,000.00
7105-01	Port Huron	St Clair Co	Water main repl. - Tunnel St. Area	3/11/2003	\$1,800,000.00
7126-02	Grand Blanc	Genesee Co	WTP upgrd, arsenic trt, softening	3/11/2003	\$800,000.00
7126-01	Grand Blanc	Genesee Co	WTP upgrd, arsenic trt, softening	3/11/2003	\$3,600,000.00
7099-01	Monroe Co	Petersburg	Trans main, PS	3/11/2003	\$2,720,000.00
7010-03	Sault Ste Marie	Chippewa Co	Seg D & Seg E (partial) repl mains, looping	3/11/2003	\$3,135,000.00
7128-01	Deerfield	Lenawee Co	New elev stor tank, repl mains, looping	3/11/2003	\$925,000.00
7125-01	Davison	Genesee Co	Repl mains, looping	6/10/2003	\$2,430,000.00
7129-01	Filer Twp	Manistee Co	New elev stor tank; well imps; dist.main/looping	6/10/2003	\$1,490,000.00
7122-01	Ypsilanti	Washtenaw Co	Repl. Mains - City	6/10/2003	\$5,300,000.00
7120-01	Belding	Ionia Co	New well; transmission main; looping	6/10/2003	\$685,000.00
7116-01	Charlevoix Co	Boyne Falls	New ground storage tank, water meters	6/10/2003	\$595,000.00
7054-01	Port Sanilac	Sanilac Co	New WTP, repl mains, looping	6/10/2003	\$2,135,000.00
7112-01	Ypsilanti	Washtenaw Co	2nd DWSD supply connection - City	6/10/2003	\$785,000.00
7111-01	YCUA	Washtenaw Co	2nd DWSD supply connection - Twp	6/10/2003	\$3,355,000.00
7043-01	Monitor Twp	Bay Co	Repl mains, looping	6/10/2003	\$455,000.00
7115-01	Boyne City	Charlevoix Co	New ground stor tank; new well; trans mains; booster station	6/10/2003	\$1,785,000.00
7114-01	Barry Co	Yankee Springs T	Yankee Springs Twp elev water tank	6/10/2003	\$650,000.00
7138-01	Davison	Genesee Co	WTP upgrd, arsenic trt, well	9/4/2003	\$3,570,000.00
7117-01	Portland	Ionia Co	New elev stor tank, new well	9/4/2003	\$1,450,000.00

<b>Project No</b>	<b>Applicant</b>	<b>Location</b>	<b>Description</b>	<b>Binding Comm. Date</b>	<b>Binding Comm. Amount</b>
7019-04	Flint	Genesee Co	Seg 4; WTP upgrd/expnd	9/4/2003	\$19,180,000.00
7034-01	Saline	Washtenaw Co	New WTP	9/4/2003	\$6,840,000.00
7147-01	Port Huron	St Clair Co	Water main repl. - CSO Area 35	3/9/2004	\$2,315,000.00
7146-01	Ann Arbor	Washtenaw Co	Repl mains	3/9/2004	\$805,000.00
7142-01	Muskegon	Muskegon Co	WTP upgrd/expnd; looping; strg/ps imp	3/9/2004	\$13,900,000.00
7136-01	Brighton	Livingston Co	Rehab WTP, repl mains	3/9/2004	\$1,520,000.00
7134-01	Huron Co	Elkton	Repl mains, looping	3/9/2004	\$835,000.00
7027-01	Ontonagon	Ontonagon Co	New WTP, conn main, ext for consolidation (refinance)	6/8/2004	\$7,370,000.00
7137-01	Beverly Hills	Oakland Co	Repl mains	6/8/2004	\$3,690,000.00
7123-01	Ypsilanti	Washtenaw Co	Repl mains - City	6/8/2004	\$6,330,000.00
7139-01	Sanilac Co	Carsonville	Repl mains, looping,	6/8/2004	\$1,065,000.00
7132-01	Port Huron	St Clair Co	Water main repl. - non CSO Area, Part A	6/8/2004	\$600,000.00
7141-01	Independence Tw	Oakland Co	New wells, trt, stor, repl mains, looping	9/2/2004	\$18,000,000.00
7133-01	Armada	Macomb Co	New WTP, new well, repl mains, looping	9/2/2004	\$3,740,000.00
7141-02	Independence Tw	Oakland Co	New wells, trt, stor, repl mains, looping	3/15/2005	\$625,000.00
7167-01	Port Huron	St Clair Co	Repl mains - 16th Ave. Phase II	3/15/2005	\$2,015,000.00
7168-01	Port Huron	St Clair Co	Repl mains - Military (Reid to Black River)	3/15/2005	\$2,105,000.00
7150-01	Port Huron	St Clair Co	Water main repl. - 24th St.	3/15/2005	\$520,000.00
7169-01	Port Huron	St Clair Co	Repl mains - Woodstock Area Phase II	6/7/2005	\$510,000.00
7156-01	Carson City	Montcalm Co	New strg tank; looping; trans main	6/7/2005	\$1,600,000.00
7157-01	Kalamazoo Co	Augusta Village	Repl mains; strg tank imp.	6/7/2005	\$750,000.00
7160-01	Marquette Twp	Marquette Co	New wells and strg; ps imp; repl mains	6/7/2005	\$4,520,000.00
7165-01	Bay City	Bay Co	WTP Upgrade	6/7/2005	\$6,000,000.00
7161-01	Detroit	Wayne Co	Lake Huron WTP clearwell rehab	9/1/2005	\$15,265,000.00
7159-01	Marine City	St Clair Co	WTP Imp	9/1/2005	\$2,500,000.00
7148-01	Sanilac Co	Carsonville	Arsenic trt	9/1/2005	\$690,000.00
7155-01	Caro	Tuscola Co	WTP Arsenic Trt; Upgrd Wells;	9/1/2005	\$1,780,000.00
7162-01	Detroit	Wayne Co	Repl mains	9/1/2005	\$10,710,000.00
7164-01	Shiawassee Co	Byron	WTP; Arsenic Trt, Looping; Stor Tank Rehab/Upgrd	9/1/2005	\$850,000.00
7176-01	Stockbridge	Ingham Co	Repl mains; looping (Phase 1)	3/14/2006	\$345,000.00
7187-01	Port Huron	St Clair Co	Repl mains - Merchant St.	3/14/2006	\$705,000.00
7183-01	Brooklyn	Jackson Co	Repl mains, looping, elev stor tank, meters	3/14/2006	\$1,500,000.00
7185-01	Port Huron	St Clair Co	Repl mains - 16th Ave Phase III	3/14/2006	\$1,355,000.00

<b>Project No</b>	<b>Applicant</b>	<b>Location</b>	<b>Description</b>	<b>Binding Comm. Date</b>	<b>Binding Comm. Amount</b>
7186-01	Port Huron	St Clair Co	Repl mains - Erie St. Phase II	3/14/2006	\$1,025,000.00
7172-01	Galesburg	Kalamazoo Co	Elev strg tank; repl main	3/14/2006	\$2,500,000.00
7153-01	Sanilac Co	Sanilac Twp	New water system	6/6/2006	\$9,370,000.00
7179-01	Reed City	Osceola Co	New strg tank; trans main; repl main; looping	6/6/2006	\$1,605,000.00
7158-01	Barry Co	Middleville	New wells and strg tank; repl mains	6/6/2006	\$1,040,000.00
7188-01	Port Huron	St Clair Co	Repl mains - Woodstock Phase III	6/6/2006	\$825,000.00
7210-01	Barry Co	Middleville	New well	8/31/2006	\$205,000.00
7170-01	St Clair Co	Ira Twp	Repl mains	8/31/2006	\$4,900,000.00
7119-01	Port Huron	St Clair Co	WTP filter backwash handling system	8/31/2006	\$2,040,000.00
7171-01	Ferndale	Oakland Co	Upgrd booster station, new station, repl mains, loop	8/31/2006	\$3,475,000.00
7178-01	Detroit	Wayne Co	Repl mains	8/31/2006	\$6,035,000.00
7183-02	Brooklyn	Jackson Co	Repl mains, looping, elev stor tank, meters (financial seg)	11/21/2006	\$365,000.00
7202-01	Pentwater	Oceana Co	Arsenic trt; repl mains; strg tank painting	3/13/2007	\$1,180,000.00
7143-01	Mt Clemens	Macomb Co	Upgrd trt, repl mains, rehab stor tank, genrtr, switchgear	3/13/2007	\$3,900,000.00
7220-01	Port Huron	St Clair Co	Repl mains - Vanness area	3/13/2007	\$1,950,000.00
7209-01	Watersmeet Twp	Gogebic Co	New well and strg tank	3/13/2007	\$950,000.00
7205-01	Barry Co	Yankee Springs T	WTP - Arsenic trt	3/13/2007	\$450,000.00
7204-01	Escanaba	Delta Co	WTP filter backwash basin; strg tank imp	3/13/2007	\$2,950,000.00
7203-01	West Bloomfield T	Oakland Co	Phase 1: PRVs, SCADA	3/13/2007	\$935,000.00
7215-01	Ypsilanti	Washtenaw Co	Repl mains (city-Lowell St.)	3/13/2007	\$375,000.00
7174-01	YCUA	Washtenaw Co	Repl mains; looping (twp- Hewitt/Valley/Congress area)	3/13/2007	\$2,295,000.00
7230-01	Mt Clemens	Macomb Co	Repl mains	6/5/2007	\$320,000.00
7201-01	Fowler	Clinton Co	Arsenic trt; well imp; new trans main	6/5/2007	\$805,000.00
7197-01	Ubyly	Huron Co	New well (arsenic), meters	6/5/2007	\$500,000.00
7206-01	Sturgis	St Joseph Co	Repl mains; looping	6/5/2007	\$1,160,000.00
7207-01	Ottawa Co	Allendale Twp	2nd supply connection; water main ext	6/5/2007	\$2,655,000.00
7194-01	Iron River Twp	Iron Co	New well; upgrd trans main; new generator	6/5/2007	\$805,000.00
7213-01	Summit Twp	Jackson Co	New elev strg tank	6/5/2007	\$2,360,000.00
7212-01	Forsyth Twp	Marquette Co	Water main repl; 2nd supply connection	6/5/2007	\$450,000.00
7192-01	Lapeer Co	Almont	New elev tank, upgrd boost sta, repl mains	8/30/2007	\$2,090,000.00
7191-01	Lapeer Co	Dryden	Arsenic Trt	8/30/2007	\$695,000.00
7216-01	Ferndale	Oakland Co	New booster sta; repl mains	8/30/2007	\$2,470,000.00
7200-01	Alpena	Alpena Co	Rehab WTP, repl mains	8/30/2007	\$3,650,000.00

<b>Project No</b>	<b>Applicant</b>	<b>Location</b>	<b>Description</b>	<b>Binding Comm. Date</b>	<b>Binding Comm. Amount</b>
7214-01	Monroe Co	Exeter Twp	Water main ext	8/30/2007	\$3,360,000.00
7199-01	Waterford Twp	Oakland Co	WTPs, Wells, Extrnd Dist Mains, Looping	8/30/2007	\$8,905,000.00
7195-01	Green Oak Twp	Livingston Co	WTP - Arsenic trt	8/30/2007	\$1,050,000.00
7208-01	Mason	Ingham Co	WTP - Radium trt	8/30/2007	\$8,000,000.00
7198-01	Millington	Tuscola Co	WTP - Arsenic trt	8/30/2007	\$500,000.00
7130-01	Adrian	Lenawee Co	New wells, imp wtp sed basins, repl mains	8/30/2007	\$7,890,000.00
7218-01	West Bloomfield T	Oakland Co	Phase 2: Repl mains, looping, PRVs	3/13/2008	\$7,975,000.00
7246-01	Grand Beach	Berrien Co	Repl mains; looping	3/13/2008	\$735,000.00
7235-01	Ford River Twp	Delta Co	2nd river crossing; meters	3/13/2008	\$750,000.00
7233-01	Wolverine Lake	Oakland Co	Consolidation w/ DWSD	3/13/2008	\$425,000.00
7232-01	Scio Twp	Washtenaw Co	2nd trans main from Ann Arbor	3/13/2008	\$3,155,000.00
7247-01	YCUA	Washtenaw Co	Repl mains (Holmes Rd- Phase 2 - twp)	3/13/2008	\$1,290,000.00
7243-01	Perry	Shiawassee Co	WTP/well/mains	6/5/2008	\$1,645,000.00
7234-01	Hancock	Houghton Co	Repl trans/dist mains; 2nd conn; looping	6/5/2008	\$3,665,000.00
7248-01	Ypsilanti	Washtenaw Co	Repl mains (Armstrong Ct Public Housing)	6/5/2008	\$435,000.00
7217-01	Ferndale	Oakland Co	Repl mains	6/5/2008	\$1,670,000.00
7224-01	Peninsula Twp	Grand Traverse C	New strg; trans mains; prv/booster sta	6/5/2008	\$2,500,000.00
7221-01	Port Huron	St Clair Co	Repl mains - Woodstock Phase IV/V	6/5/2008	\$495,000.00
7254-01	West Bloomfield T	Oakland Co	Phase 2A: Repl mains, looping, PRVs	6/5/2008	\$790,000.00
7151-01	Lansing Twp	Ingham Co	Rehab storage; looping (Phase 1)	6/5/2008	\$440,000.00
7242-01	Milford	Oakland Co	Iron removal; Repl/Extend mains	8/29/2008	\$1,580,000.00
7250-01	Stockbridge	Ingham Co	Repl mains/looping (Phase 2)	8/29/2008	\$530,000.00
7239-01	Ravenna	Muskegon Co	Phase 1 - WTP/well	8/29/2008	\$1,340,000.00
7236-01	St Joseph	Berrien Co	Water sys upgrd (Phase 1- new strg)	8/29/2008	\$3,270,000.00
7229-01	Flushing	Genesee Co	Repl mains	8/29/2008	\$1,500,000.00
7225-01	Wexford Co	Cedar Creek Twp	New PWS (well; distribution)	8/29/2008	\$5,570,000.00
7240-01	Detroit	Wayne Co	Repl mains	8/29/2008	\$6,500,000.00
7275-01	Port Huron	St Clair Co	Repl mains (21st St, Phase 1)	3/27/2009	\$4,395,000.00
7262-01	Benton Harbor	Berrien Co	Water sys impr (Phase 1)	3/27/2009	\$1,630,000.00
7258-01	Howell	Livingston Co	Repl mains/WTP repair/ strg tank repair (Phase 1)	6/5/2009	\$5,295,000.00
7276-01	Port Huron	St Clair Co	Repl mains (Stone St, Phase 2)	6/5/2009	\$280,000.00
7249-01	Ypsilanti	Washtenaw Co	Repl mains (Mansfield St)	6/5/2009	\$260,000.00
7252-01	Lansing Twp	Ingham Co	Repl mains (Phase 2)	6/5/2009	\$1,060,000.00

<b>Project No</b>	<b>Applicant</b>	<b>Location</b>	<b>Description</b>	<b>Binding Comm. Date</b>	<b>Binding Comm. Amount</b>
7265-01	Van Buren Twp	Wayne Co	Repl mains/looping	6/5/2009	\$11,075,000.00
7257-01	Brownstown Twp	Wayne Co	Trans upgrades (Phase 1)	6/5/2009	\$1,975,000.00
7263-01	YCUA	Washtenaw Co	Repl mains (N. Hewitt Rd.)	6/5/2009	\$600,000.00
7237-01	St Joseph	Berrien Co	New Intake & shorewell pumping station	8/28/2009	\$9,955,000.00
7259-01	Dearborn	Wayne Co	Repl mains (Phase 1)	9/8/2009	\$1,655,000.00
7227-01	Monroe Co	Monroe	Repl/rehab mains; looping (Phase 2)	9/8/2009	\$5,085,000.00
7283-01	Lawton	Van Buren Co	New well/strg tank/upgrd meters;repl mains/looping	12/21/2009	\$3,240,000.00
7304-01	Berrien Co	New Buffalo	WTP impr; repl mains	12/21/2009	\$2,660,000.00
7307-01	Pontiac	Oakland Co	Booster station impr	12/21/2009	\$3,425,000.00
7292-01	Gladwin	Gladwin Co	Strg tank; abandon booster sta/wells/grd strg; mod well	12/21/2009	\$1,645,000.00
7289-01	Pittsfield Twp	Washtenaw Co	Repl mains; trans imp	12/21/2009	\$7,845,000.00
7288-01	White Lake Twp	Oakland Co	Trans imp; Interconnect	12/21/2009	\$1,920,000.00
7319-01	Ann Arbor	Washtenaw Co	Repl mains, WTP upgrd, main ext	12/21/2009	\$7,625,000.00
7287-01	Greenville	Montcalm Co	Well impr; SCADA; repl/loop mains	12/21/2009	\$1,200,000.00
7286-01	St Joseph	Berrien Co	WTP upgrade (filters/generator)	12/21/2009	\$2,155,000.00
7284-01	Marquette	Marquette Co	Water sys impr (Phase 1)	12/21/2009	\$960,000.00
7293-01	Dexter	Washtenaw Co	New well; chem feed bldg; trans main	12/21/2009	\$2,160,000.00
7279-01	Allegan	Allegan Co	Water sys impr (Phase 1)	12/21/2009	\$6,245,000.00
7273-01	Benton Harbor	Berrien Co	Water sys impr (Phase 2)	12/21/2009	\$14,370,000.00
7260-01	New Haven	Macomb Co	Repl mains; strg imp	12/21/2009	\$5,295,000.00
7255-01	Buchanan	Berrien Co	New well/trans/cont bldg/strg; meter upgrd w/ cent read sys	12/21/2009	\$3,105,000.00
7241-01	Deerfield	Lenawee Co	Upgrd WTP	12/21/2009	\$1,750,000.00
7301-01	Grosse Pte Wood	Wayne Co	Strg tank	3/10/2010	\$2,190,000.00
7268-01	Howell	Livingston Co	Repl mains/2nd raw water line (Phase 2)	3/10/2010	\$3,040,000.00
7280-01	Manistee	Manistee Co	Well impr; repl mains (Phase 1)	6/2/2010	\$465,000.00
7193-01	Monroe Co	Exeter Twp	New WM Service (District 4-A)	6/2/2010	\$4,745,000.00
7332-01	Grosse Pte Wood	Wayne Co	Mains; Meters	8/25/2010	\$3,990,000.00
7360-01	Manistee	Manistee Co	Repl mains; well impr (Phase 2)	3/11/2011	\$535,000.00
7361-01	Allegan	Allegan Co	Repl mains; river crossing (Phase 2)	3/11/2011	\$725,000.00
7346-01	Grand Rapids	Kent Co	Water Sys Impr (LMFP VFD;S. Walker)	3/11/2011	\$1,500,000.00
7340-01	Genesee Co	Genesee Co	Phase 1 trans mains	3/11/2011	\$1,105,000.00
7325-01	Ann Arbor	Washtenaw Co	Repl mains, WTP imp	3/11/2011	\$735,000.00
7278-01	Plainfield Twp	Kent Co	Filter/trans impr; repl mains/looping	3/11/2011	\$7,750,000.00

<b>Project No</b>	<b>Applicant</b>	<b>Location</b>	<b>Description</b>	<b>Binding Comm. Date</b>	<b>Binding Comm. Amount</b>
7364-01	Grand Rapids	Kent Co	Water Sys Impr (Dean Lake)	6/3/2011	\$960,000.00
7363-01	Marquette	Marquette Co	Repl mains; WTP impr	6/3/2011	\$965,000.00
7350-01	Three Rivers	St Joseph Co	WTP impr; main repl/looping	6/3/2011	\$2,665,000.00
7365-01	Grand Rapids	Kent Co	Water Sys Impr (SE Tank)	8/26/2011	\$3,460,000.00
7333-01	Ann Arbor	Washtenaw Co	Water sys imp (Phase 3)	8/26/2011	\$6,605,000.00
7338-01	Cadillac	Wexford Co	New wells/main	8/26/2011	\$2,925,000.00
7294-01	Dexter	Washtenaw Co	WM Repl	8/26/2011	\$1,550,000.00
7269-01	Howell	Livingston Co	Repl mains (Phase 3)	8/26/2011	\$2,655,000.00
7282-01	Holland	Ottawa Co	Interconnect; new transfer pump	8/26/2011	\$7,090,000.00
7373-01	Allegan	Allegan Co	Repl mains - Ph 3 (Monroe St)	3/12/2012	\$165,000.00
7367-01	Leslie	Ingham Co	Water sys impr (Phase 1)	6/4/2012	\$2,000,000.00
7313-01	Monroe Co	Exeter Twp	New WM service (District 4-B)	6/4/2012	\$2,360,000.00
7362-01	Ann Arbor	Washtenaw Co	Water sys imp (Phase 4)	8/27/2012	\$10,795,000.00
7299-01	Northville Twp	Wayne Co	Repl mains & booster stn upgrd	8/27/2012	\$2,330,000.00
7314-01	South Lyon	Oakland Co	Repl mains, add. LS pump	8/27/2012	\$5,300,000.00
7374-01	Grand Rapids	Kent Co	Water sys impr	8/27/2012	\$4,380,000.00
7381-01	Grand Rapids	Kent Co	Concrete restoration-floc/sed basin 2, 3 & 4 & NSSWC @LMFP	11/21/2012	\$770,000.00
7383-01	YCUA	Washtenaw Co	Smokler Textile Subdivision--WM repl	3/11/2013	\$2,140,000.00
7377-01	Waterford Twp	Oakland Co	WM Repl/Rehab and Meters	6/3/2013	\$11,415,000.00
7380-01	Bay Co	Bay City	Installation of membrane wtp; trans wm; storage tank, assoc	8/26/2013	\$12,000,000.00
7376-01	Beecher Metro Dis	Genesee Co	WM Repl, Strg	8/26/2013	\$3,000,000.00
7281-01	Kentwood	Kent Co	New trans; repl mains; looping	8/26/2013	\$6,250,000.00
7375-01	Ann Arbor	Washtenaw Co	Barton Dam PS Electrical Upgrd	8/26/2013	\$3,025,000.00
7380-02	Bay Co - County	Bay City	Membrane WTP; Trans WM;--Segment 2	11/22/2013	\$15,000,000.00
7378-01	Port Huron	St Clair Co	Repl mains (Nern St Area)	3/11/2014	\$2,300,000.00
7355-01	Livonia	Wayne Co	Phase 1 WM repl; PRV	6/3/2014	\$3,775,000.00
7388-01	Burton	Genesee Co	WM, Looping, PRV repl, SCADA	6/3/2014	\$6,000,000.00
7390-01	Nashville	Nashville	Watermain repl, pump and well improv	6/3/2014	\$670,000.00
7010-06	Sault Ste Marie	Chippewa Co	WM - Phase C-3	8/26/2014	\$5,120,000.00
7369-01	Huron Charter Tw	Wayne Co	WM Rpl	8/26/2014	\$2,735,000.00
7379-01	Marquette	Marquette Co	Storage tank impr	8/26/2014	\$330,000.00
7395-01	Benzonia	Benzie Co	New well, watermain, tank, SCADA improv	8/26/2014	\$615,000.00
7335-01	Oakland Co	Pontiac	Trans main looping;WM repl	8/26/2014	\$6,890,000.00

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7387-01	Grand Blanc	Genesee Co	Water system improvements	8/26/2014	\$1,900,000.00
7389-01	Beecher Metro Dis	Genesee Co	Beecher water sys improvement, distribution, optimization	8/26/2014	\$2,180,000.00
7394-01	Grand Rapids	Kent Co	Concrete restor at filter cells; resv pump replac	8/26/2014	\$3,545,000.00
Total Binding Comm. Amount for 265 projects:					<b>\$808,720,000.00</b>

## DWRF Project Highlights for Fiscal Year 2014

### **City of Livonia, Wayne County**

#### **Water Main Replacement and Looping**

Towns Served: Livonia  
2014 DWRF-funded Amount: \$3,775,000  
Engineer: Orchard, Hiltz & McCliment, Inc.  
Contractor: Bidigare Contractors

This project replaces aging 6-inch and 8-inch cast iron water main in poor condition and provides loops in two areas with dead-end mains to improve system pressure and reliability.

### **City of Burton, Genesee County**

#### **Water Main Replacement and Looping**

#### **Pressure Reducing Valve (PRV) Improvements**

Towns Served: Burton  
2014 DWRF-funded Amount: \$6,000,000  
2014 Technical Set-aside Planning Grant: \$31,909  
Engineer: Stantec, Inc.  
Contractor: Bricco Excavating

This project represents the first of a planned 5-phase program to upgrade the city's drinking water infrastructure. Phase I covered here includes extensive water main replacements and looping, as well as gate valve and Pressure Reducing Valve (PRV) replacements.

### **Village of Nashville, Barry County**

#### **Water Main and Well Pump Motor Replacement**

Towns Served: Nashville  
2014 DWRF-funded Amount: \$670,000  
Engineer: Fleis & VandenBrink Engineering, Inc.  
Contractor: Hunter Prell Company

This project replaces two old, inefficient drinking water well motors and installs new water main on several streets with notable water losses, lead joints and services, and a history of breaks on existing undersized cast-iron mains.

### **City of Port Huron, St. Clair County**

#### **Water Main Replacements and Looping, Nern Street Area**

Towns Served: Port Huron  
2014 DWRF-funded Amount: \$2,300,000  
Engineer: Tetra Tech and BMJ Engineers and Surveyors, Inc.  
Contractor: Pamar Enterprises, Inc.

This project is a companion to the SRF-funded Segment 20 of the city's combined sewer separation program. Water main replacements are needed to upgrade pipes that are old and have a history of line breaks. Elimination of a dead-end will be accomplished via looping.

**City of Marquette, Marquette County  
Water Tower Repainting/Miscellaneous Repairs**

Towns Served: Marquette, Marquette Township  
2014 DWRP-funded Amount: \$330,000  
Engineer: City of Marquette  
Contractor: Fedewa, Inc.

This project involves cleaning, repainting the interior and exterior of the city of Marquette's 1-million-gallon (MG) steel ground storage tank to extend its useful life, as well as repair of pitted steel, replacement of the manway gasket and assorted other miscellaneous minor repairs and upgrades.

**City of Grand Rapids  
Concrete Restoration Phase 5/Improvements to Filter Cells  
Wilson Reservoir Pump Replacement**

Towns Served: Grand Rapids, Kentwood, Walker, Tallmadge Township, Cascade Township, Grand Rapids Township, Coopersville, East Grand Rapids, Ada Township, Allendale Township  
2014 DWRP-funded Amount: \$3,545,000  
Engineer: Fishbeck, Thompson, Carr & Huber, Inc.  
Contractors: Erhardt Construction Company; Franklin Holwerda Company

This project will continue the city of Grand Rapids' work to improve its Lake Michigan Filtration Plant, located in Grand Haven Township. Concrete Restoration Phase 5 includes restoration of concrete in one rapid mix chamber, a junction chamber, acceleration flumes, a 48-inch pipe junction, and the pretreatment effluent chamber. These improvements eliminate cracking and leaking. Filter cells will be restored and media replaced. In the distribution system, a pump will be replaced and appropriately sized in a 5-MG reservoir that serves one of the service districts.

**Village of Benzonia, Benzie County  
Water Supply System Project Plan**

Towns Served: Benzonia, Beulah  
2014 DWRP-funded Amount: \$615,000  
2014 Technical Set-aside Planning Grant: \$94,280  
Engineer/Construction Mgr.: Fleis & VandenBrink Engineering, Inc.  
Contractors: Kerby Backhoe; Keith McNitt; Broadsight; LC United; Raymer; Paul Sommerdyke; C. Jackson; Integrated Controls, Inc.

This project will replace an aging, deficient well with a new production well, will enable cleaning and recoating of the village's water storage tank, will provide water main improvements to aid reliability, and will improve system operation with the installation of a web-based HMI/Supervisory Control and Data Acquisition (SCADA) server.

**City of Sault Ste. Marie, Chippewa County  
Water Main Replacement Phase C**

Towns Served: Sault Sainte Marie  
2014 DWRP-funded Amount: \$5,120,000  
Engineer: C2AE  
Contractor: Bacco Construction

This project will allow the city to replace approximately 9,000 feet of aging, undersized water mains on six streets while these streets concurrently undergo a combined sewer separation effort.

**Huron Charter Township, Wayne County  
Will-Carleton Water Main Replacement**

Towns Served: Huron Township  
2014 DWRP-funded Amount: \$2,735,000  
Engineer: Hennessey Engineers, Inc.  
Contractor: Lawrence M. Clarke, Inc.

This project will replace approximately 15,000 feet of 12-inch water main in Will-Carleton Road in a place where water main breaks have been common in the past decade. Therefore, reliable water service in this area of the township will be enhanced considerably.

**City of Grand Blanc, Genesee County  
Water System Improvements**

Towns Served: Grand Blanc, Grand Blanc Township  
2014 DWRP-funded Amount: \$1,900,000  
Engineer: Fleis & VandenBrink Engineering, Inc.  
Contractors: Horizon Brothers Painting; Glaeser-Dawes Corporation;  
Northern PWCO; Etna Supply Company

This project will provide a tremendous assortment of improvements for the Grand Blanc water system, including iron removal media replacement, water tower exterior cleaning/recoating, well pump/motor replacement with Variable Frequency Drive (VFD) installation, water main looping, water main replacement, and a fixed base meter reading system.

**Beecher Metropolitan District, Genesee County  
Water System Improvements**

Towns Served: Mt. Morris Township, Genesee Township  
2014 DWRP-funded Amount: \$2,180,000  
Engineer/Construction Mgr.: Fleis & VandenBrink Engineering, Inc.  
Contractors: Glaeser-Dawes Corporation; Broadsight Construction;  
Eastern Asphalt; Northern Pump and Well; Michigan  
Meter; Holly Plumbing

This project will install radio-read water meters, add a water mixer in two elevated storage tanks, overhaul a well pump, eliminate dead-end looping with 550 feet of water main, and replace approximately 6,800 feet of cast-iron water main with ductile iron pipe to upgrade the local drinking water system.

**Oakland County, City of Pontiac  
Water Main Replacement and Looping**

Towns Served: Pontiac  
2014 DWRP-funded Amount: \$6,890,000  
Engineer: Johnson & Anderson  
Contractors: Bricco Excavating; Parma Enterprises

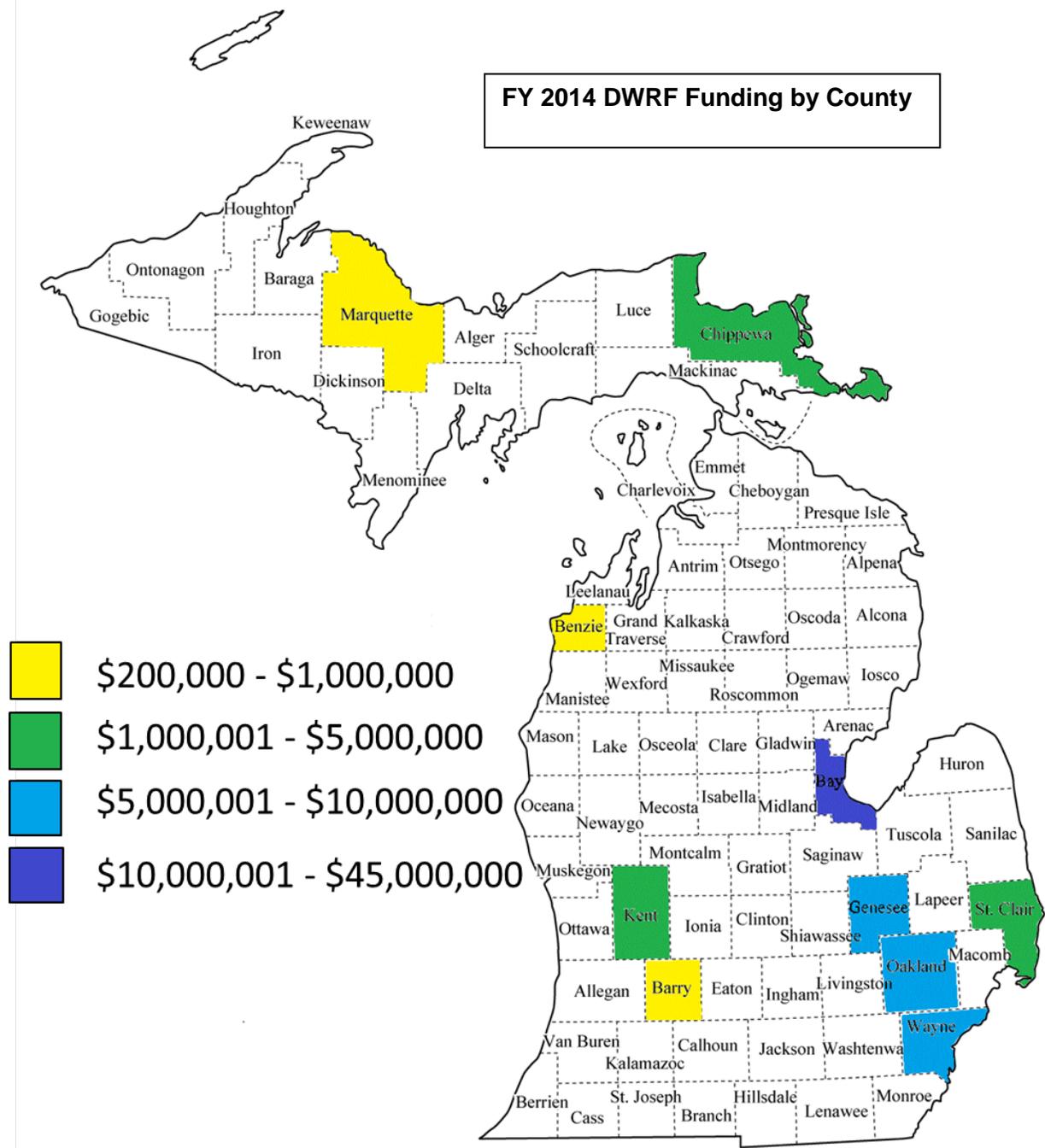
This project involves replacement of over 15,000 feet of 6-inch and 8-inch cast-iron water main with 9-, 12-, and 16-inch diameter HDPE and ductile iron water main using pipe bursting, directional drilling, and traditional open-cutting construction methods, as well as the new looping of two water main segments via drilling and open-cutting. Greater reliability of the Pontiac Water System, owned by Oakland County, will result from these improvements.

**County of Bay**  
**Bay Area Water Treatment Plant**

Towns Served:	Bay County, Bay City, Hampton Township, Essexville, Bangor Township, Beaver Township, Frankenlust Township, Fraser Township, Kawkawlin Township, Merrit Township, Monitor Township, Portsmouth Township, Williams Township, and Pinconning
2014 DWRP-funded Amount:	\$7,000,000
Engineer:	CDM Smith, Rowe Professional Services Company
Contractor:	Spence Brothers, Dan's Excavating

This project will construct the new Bay Area Water Treatment Plant utilizing membrane filtration and two transmission mains to supply raw water from the Saginaw-Midland Municipal Water Supply Corporation.

**FY 2014 DWRF Funding by County**



**FIGURE 1**

**Michigan Department of Environmental Quality**  
**Drinking Water Revolving Fund - Final Category Cost**

<u>Project No</u>	<u>Loanee</u>	<u>Transmission &amp; Distribution</u>	<u>Treatment</u>	<u>Storage</u>	<u>Source</u>	<u>Other</u>	<u>Loan Amount</u>
7001-01	Wixom	\$1,644,580	\$0	\$2,250,420	\$0	\$0	\$3,895,000
7001-02	Wixom	\$6,180,000	\$0	\$0	\$0	\$0	\$6,180,000
7001-03	Wixom	\$6,132,694	\$0	\$0	\$0	\$1,157,306	\$7,290,000
7002-01	Breckenridge	\$0	\$0	\$0	\$330,000	\$0	\$330,000
7004-01	Marine City	\$0	\$0	\$1,155,000	\$0	\$0	\$1,155,000
7005-01	Lansing Twp	\$425,000	\$0	\$0	\$0	\$0	\$425,000
7005-02	Lansing Twp	\$780,000	\$0	\$0	\$0	\$0	\$780,000
7006-01	Otisville	\$162,677	\$0	\$0	\$212,323	\$0	\$375,000
7007-01	Mt Morris	\$420,000	\$0	\$0	\$0	\$0	\$420,000
7008-01	White Cloud	\$268,160	\$0	\$566,840	\$0	\$0	\$835,000
7009-01	Escanaba	\$0	\$2,750,000	\$0	\$0	\$0	\$2,750,000
7010-01	Sault Ste Marie	\$4,155,000	\$0	\$0	\$0	\$0	\$4,155,000
7010-02	Sault Ste Marie	\$1,800,000	\$0	\$0	\$0	\$0	\$1,800,000
7010-03	Sault Ste Marie	\$3,135,000	\$0	\$0	\$0	\$0	\$3,135,000
7010-06	Sault Ste Marie	\$5,120,000	\$0	\$0	\$0	\$0	\$5,120,000
7011-01	Rockford	\$398,214	\$1,812,997	\$0	\$228,789	\$0	\$2,440,000
7013-01	Summit Twp	\$2,350,117	\$648,308	\$972,462	\$659,113	\$0	\$4,630,000
7014-01	Oxford	\$1,895,000	\$0	\$0	\$0	\$0	\$1,895,000
7015-01	Flushing	\$2,045,000	\$0	\$0	\$0	\$0	\$2,045,000
7017-01	YCUA	\$4,935,000	\$0	\$0	\$0	\$0	\$4,935,000
7018-01	Carrolton Twp	\$2,165,000	\$0	\$0	\$0	\$0	\$2,165,000
7019-01	Flint	\$0	\$7,220,000	\$0	\$0	\$0	\$7,220,000
7019-02	Flint	\$0	\$8,035,000	\$0	\$0	\$0	\$8,035,000
7019-03	Flint	\$0	\$9,480,000	\$0	\$0	\$0	\$9,480,000
7019-04	Flint	\$0	\$19,180,000	\$0	\$0	\$0	\$19,180,000
7021-01	Washtenaw Co	\$742,160	\$0	\$0	\$632,840	\$0	\$1,375,000
7021-02	Washtenaw Co	\$534,348	\$0	\$885,652	\$0	\$0	\$1,420,000
7022-01	Manchester	\$501,978	\$118,022	\$0	\$0	\$0	\$620,000
7023-01	Blissfield	\$0	\$6,485,000	\$0	\$0	\$0	\$6,485,000
7023-02	Blissfield	\$0	\$750,000	\$0	\$0	\$0	\$750,000
7024-01	Mt Clemens	\$0	\$2,112,276	\$42,724	\$0	\$0	\$2,155,000
7024-02	Mt Clemens	\$0	\$2,075,000	\$0	\$0	\$0	\$2,075,000
7026-01	St Clair Co	\$0	\$5,012,158	\$2,887,842	\$0	\$0	\$7,900,000

<u>Project No</u>	<u>Loanee</u>	<u>Transmission &amp; Distribution</u>	<u>Treatment</u>	<u>Storage</u>	<u>Source</u>	<u>Other</u>	<u>Loan Amount</u>
7027-01	Ontonagon	\$7,370,000	\$0	\$0	\$0	\$0	\$7,370,000
7028-01	Frankfort	\$1,109,563	\$0	\$448,738	\$216,699	\$0	\$1,775,000
7029-01	Van Buren Co	\$830,000	\$0	\$0	\$0	\$0	\$830,000
7030-01	Coopersville	\$750,000	\$0	\$0	\$0	\$0	\$750,000
7031-01	Hudsonville	\$500,000	\$0	\$0	\$0	\$0	\$500,000
7032-01	Ottawa Co	\$395,000	\$0	\$0	\$0	\$0	\$395,000
7034-01	Saline	\$360,843	\$6,419,494	\$0	\$59,663	\$0	\$6,840,000
7038-01	Melvindale	\$1,100,000	\$0	\$0	\$0	\$0	\$1,100,000
7039-01	Mt Clemens	\$855,000	\$0	\$0	\$0	\$0	\$855,000
7039-02	Mt Clemens	\$4,845,000	\$0	\$0	\$0	\$0	\$4,845,000
7039-03	Mt Clemens	\$1,960,000	\$0	\$0	\$0	\$0	\$1,960,000
7042-01	Lapeer Co	\$1,041,498	\$0	\$0	\$113,502	\$0	\$1,155,000
7043-01	Monitor Twp	\$455,000	\$0	\$0	\$0	\$0	\$455,000
7044-01	Sanilac Co	\$647,413	\$0	\$0	\$822,113	\$570,474	\$2,040,000
7046-01	East Jordan	\$335,028	\$0	\$509,058	\$5,914	\$0	\$850,000
7048-01	Plainwell	\$572,385	\$0	\$737,650	\$259,965	\$0	\$1,570,000
7052-01	St Clair Co	\$641,936	\$6,395,323	\$595,468	\$792,273	\$0	\$8,425,000
7053-01	Caro	\$729,845	\$0	\$0	\$305,155	\$0	\$1,035,000
7054-01	Port Sanilac	\$1,283,433	\$851,567	\$0	\$0	\$0	\$2,135,000
7057-01	Fenton	\$643,069	\$0	\$770,926	\$0	\$66,005	\$1,480,000
7058-01	Highland Park	\$2,746,269	\$3,253,731	\$0	\$0	\$0	\$6,000,000
7059-01	Holly	\$513,639	\$762,672	\$158,689	\$0	\$0	\$1,435,000
7064-01	Eaton Rapids	\$1,293,940	\$451,060	\$0	\$0	\$0	\$1,745,000
7065-01	Grand Beach	\$710,000	\$0	\$0	\$10,000	\$0	\$720,000
7066-01	Ironwood	\$0	\$0	\$0	\$900,000	\$0	\$900,000
7067-01	Lake Linden	\$516,578	\$0	\$373,636	\$309,786	\$0	\$1,200,000
7068-01	Marion	\$1,762,927	\$0	\$0	\$37,073	\$0	\$1,800,000
7069-01	YCUA	\$1,085,000	\$0	\$0	\$0	\$0	\$1,085,000
7078-01	Sunfield	\$106,857	\$0	\$773,143	\$0	\$0	\$880,000
7079-01	Muir	\$751,562	\$0	\$578,125	\$520,313	\$0	\$1,850,000
7079-02	Muir	\$136,000	\$0	\$136,000	\$68,000	\$0	\$340,000
7082-01	Colon	\$1,483,596	\$0	\$306,478	\$211,672	\$83,254	\$2,085,000
7083-01	Hudson	\$399,802	\$1,222,827	\$147,371	\$0	\$0	\$1,770,000
7084-01	Chelsea	\$497,768	\$5,612,232	\$0	\$0	\$0	\$6,110,000
7084-02	Chelsea	\$3,090,000	\$0	\$0	\$0	\$0	\$3,090,000

<u>Project No</u>	<u>Loanee</u>	<u>Transmission &amp; Distribution</u>	<u>Treatment</u>	<u>Storage</u>	<u>Source</u>	<u>Other</u>	<u>Loan Amount</u>
7085-01	Jackson Co	\$1,441,944	\$0	\$813,056	\$0	\$0	\$2,255,000
7086-01	East Jordan	\$1,241,920	\$0	\$0	\$48,080	\$0	\$1,290,000
7088-01	Port Huron	\$8,945,000	\$0	\$0	\$0	\$0	\$8,945,000
7090-01	Sparta	\$3,911,188	\$0	\$0	\$418,812	\$0	\$4,330,000
7091-01	Ottawa Co	\$1,865,000	\$0	\$0	\$0	\$0	\$1,865,000
7095-01	Jackson Co	\$1,110,000	\$0	\$0	\$0	\$0	\$1,110,000
7096-01	Ypsilanti	\$485,000	\$0	\$0	\$0	\$0	\$485,000
7098-01	Adrian	\$1,140,140	\$4,524,860	\$0	\$0	\$0	\$5,665,000
7099-01	Monroe Co	\$2,720,000	\$0	\$0	\$0	\$0	\$2,720,000
7100-01	Nashville	\$789,135	\$175,865	\$0	\$0	\$0	\$965,000
7101-01	North Branch	\$1,054,303	\$0	\$0	\$265,697	\$0	\$1,320,000
7102-01	Monroe Co	\$1,530,000	\$0	\$0	\$0	\$0	\$1,530,000
7103-01	Milford	\$449,152	\$89,044	\$1,366,804	\$0	\$0	\$1,905,000
7105-01	Port Huron	\$1,800,000	\$0	\$0	\$0	\$0	\$1,800,000
7106-01	Milford	\$1,311,780	\$0	\$448,220	\$0	\$0	\$1,760,000
7107-01	Fenton	\$2,989,242	\$6,074,877	\$0	\$535,881	\$0	\$9,600,000
7108-01	Shelby	\$1,120,814	\$0	\$0	\$244,186	\$0	\$1,365,000
7110-01	Port Huron	\$3,930,000	\$0	\$0	\$0	\$0	\$3,930,000
7111-01	YCUA	\$0	\$0	\$0	\$3,355,000	\$0	\$3,355,000
7112-01	Ypsilanti	\$0	\$0	\$0	\$0	\$785,000	\$785,000
7113-01	Port Huron	\$1,805,000	\$0	\$0	\$0	\$0	\$1,805,000
7114-01	Barry Co	\$0	\$0	\$650,000	\$0	\$0	\$650,000
7115-01	Boyne City	\$1,426,073	\$0	\$0	\$358,927	\$0	\$1,785,000
7116-01	Charlevoix Co	\$0	\$0	\$595,000	\$0	\$0	\$595,000
7117-01	Portland	\$73,583	\$0	\$962,381	\$414,036	\$0	\$1,450,000
7119-01	Port Huron	\$0	\$2,040,000	\$0	\$0	\$0	\$2,040,000
7120-01	Belding	\$318,220	\$0	\$0	\$366,780	\$0	\$685,000
7122-01	Ypsilanti	\$5,300,000	\$0	\$0	\$0	\$0	\$5,300,000
7123-01	Ypsilanti	\$6,330,000	\$0	\$0	\$0	\$0	\$6,330,000
7125-01	Davison	\$2,430,000	\$0	\$0	\$0	\$0	\$2,430,000
7126-01	Grand Blanc	\$0	\$3,600,000	\$0	\$0	\$0	\$3,600,000
7126-02	Grand Blanc	\$0	\$800,000	\$0	\$0	\$0	\$800,000
7128-01	Deerfield	\$292,221	\$0	\$632,779	\$0	\$0	\$925,000
7129-01	Filer Twp	\$706,389	\$0	\$783,611	\$0	\$0	\$1,490,000
7130-01	Adrian	\$5,482,184	\$915,985	\$0	\$1,491,831	\$0	\$7,890,000

<u>Project No</u>	<u>Loanee</u>	<u>Transmission &amp; Distribution</u>	<u>Treatment</u>	<u>Storage</u>	<u>Source</u>	<u>Other</u>	<u>Loan Amount</u>
7132-01	Port Huron	\$600,000	\$0	\$0	\$0	\$0	\$600,000
7133-01	Armada	\$2,652,424	\$784,356	\$0	\$303,220	\$0	\$3,740,000
7134-01	Huron Co	\$835,000	\$0	\$0	\$0	\$0	\$835,000
7136-01	Brighton	\$0	\$1,520,000	\$0	\$0	\$0	\$1,520,000
7137-01	Beverly Hills	\$3,690,000	\$0	\$0	\$0	\$0	\$3,690,000
7138-01	Davison	\$0	\$3,570,000	\$0	\$0	\$0	\$3,570,000
7139-01	Sanilac Co	\$1,065,000	\$0	\$0	\$0	\$0	\$1,065,000
7141-01	Independence Twp	\$5,542,629	\$5,542,630	\$1,875,987	\$5,038,754	\$0	\$18,000,000
7141-02	Independence Twp	\$277,778	\$277,778	\$69,444	\$0	\$0	\$625,000
7142-01	Muskegon	\$0	\$13,900,000	\$0	\$0	\$0	\$13,900,000
7143-01	Mt Clemens	\$0	\$3,343,859	\$556,141	\$0	\$0	\$3,900,000
7146-01	Ann Arbor	\$805,000	\$0	\$0	\$0	\$0	\$805,000
7147-01	Port Huron	\$2,315,000	\$0	\$0	\$0	\$0	\$2,315,000
7148-01	Sanilac Co	\$0	\$690,000	\$0	\$0	\$0	\$690,000
7150-01	Port Huron	\$520,000	\$0	\$0	\$0	\$0	\$520,000
7151-01	Lansing Twp	\$275,655	\$0	\$164,345	\$0	\$0	\$440,000
7153-01	Sanilac Co	\$8,813,702	\$0	\$556,298	\$0	\$0	\$9,370,000
7155-01	Caro	\$0	\$1,780,000	\$0	\$0	\$0	\$1,780,000
7156-01	Carson City	\$601,435	\$0	\$998,565	\$0	\$0	\$1,600,000
7157-01	Kalamazoo Co	\$738,278	\$0	\$11,722	\$0	\$0	\$750,000
7158-01	Barry Co	\$235,587	\$0	\$804,413	\$0	\$0	\$1,040,000
7159-01	Marine City	\$0	\$2,500,000	\$0	\$0	\$0	\$2,500,000
7160-01	Marquette Twp	\$2,444,191	\$0	\$555,863	\$1,519,946	\$0	\$4,520,000
7161-01	Detroit	\$0	\$0	\$15,265,000	\$0	\$0	\$15,265,000
7162-01	Detroit	\$10,710,000	\$0	\$0	\$0	\$0	\$10,710,000
7164-01	Shiawassee Co	\$125,232	\$497,996	\$226,772	\$0	\$0	\$850,000
7165-01	Bay City	\$0	\$6,000,000	\$0	\$0	\$0	\$6,000,000
7167-01	Port Huron	\$2,015,000	\$0	\$0	\$0	\$0	\$2,015,000
7168-01	Port Huron	\$2,105,000	\$0	\$0	\$0	\$0	\$2,105,000
7169-01	Port Huron	\$510,000	\$0	\$0	\$0	\$0	\$510,000
7170-01	St Clair Co	\$4,900,000	\$0	\$0	\$0	\$0	\$4,900,000
7171-01	Ferndale	\$3,475,000	\$0	\$0	\$0	\$0	\$3,475,000
7172-01	Galesburg	\$1,154,006	\$0	\$1,181,886	\$164,108	\$0	\$2,500,000
7174-01	YCUA	\$2,295,000	\$0	\$0	\$0	\$0	\$2,295,000
7176-01	Stockbridge	\$274,592	\$0	\$0	\$0	\$70,408	\$345,000

<u>Project No</u>	<u>Loanee</u>	<u>Transmission &amp; Distribution</u>	<u>Treatment</u>	<u>Storage</u>	<u>Source</u>	<u>Other</u>	<u>Loan Amount</u>
7178-01	Detroit	\$6,035,000	\$0	\$0	\$0	\$0	\$6,035,000
7179-01	Reed City	\$857,124	\$0	\$747,876	\$0	\$0	\$1,605,000
7183-01	Brooklyn	\$779,220	\$0	\$720,780	\$0	\$0	\$1,500,000
7183-02	Brooklyn	\$189,800	\$0	\$175,200	\$0	\$0	\$365,000
7185-01	Port Huron	\$1,355,000	\$0	\$0	\$0	\$0	\$1,355,000
7186-01	Port Huron	\$1,025,000	\$0	\$0	\$0	\$0	\$1,025,000
7187-01	Port Huron	\$705,000	\$0	\$0	\$0	\$0	\$705,000
7188-01	Port Huron	\$825,000	\$0	\$0	\$0	\$0	\$825,000
7191-01	Lapeer Co	\$0	\$576,850	\$0	\$118,150	\$0	\$695,000
7192-01	Lapeer Co	\$574,368	\$0	\$1,515,632	\$0	\$0	\$2,090,000
7193-01	Monroe Co	\$4,745,000	\$0	\$0	\$0	\$0	\$4,745,000
7194-01	Iron River Twp	\$727,542	\$0	\$0	\$77,458	\$0	\$805,000
7195-01	Green Oak Twp	\$0	\$1,050,000	\$0	\$0	\$0	\$1,050,000
7197-01	Ubyly	\$40,027	\$12,557	\$0	\$156,967	\$290,449	\$500,000
7198-01	Millington	\$0	\$500,000	\$0	\$0	\$0	\$500,000
7199-01	Waterford Twp	\$552,996	\$8,026,601	\$0	\$325,403	\$0	\$8,905,000
7200-01	Alpena	\$2,680,070	\$969,930	\$0	\$0	\$0	\$3,650,000
7201-01	Fowler	\$72,450	\$732,550	\$0	\$0	\$0	\$805,000
7202-01	Pentwater	\$442,288	\$488,494	\$249,218	\$0	\$0	\$1,180,000
7203-01	West Bloomfield Twp	\$0	\$0	\$0	\$0	\$935,000	\$935,000
7204-01	Escanaba	\$0	\$2,782,354	\$167,646	\$0	\$0	\$2,950,000
7205-01	Barry Co	\$0	\$450,000	\$0	\$0	\$0	\$450,000
7206-01	Sturgis	\$1,160,000	\$0	\$0	\$0	\$0	\$1,160,000
7207-01	Ottawa Co	\$2,655,000	\$0	\$0	\$0	\$0	\$2,655,000
7208-01	Mason	\$1,782,019	\$6,217,981	\$0	\$0	\$0	\$8,000,000
7209-01	Watersmeet Twp	\$0	\$0	\$724,938	\$225,062	\$0	\$950,000
7210-01	Barry Co	\$0	\$0	\$0	\$205,000	\$0	\$205,000
7212-01	Forsyth Twp	\$449,006	\$0	\$994	\$0	\$0	\$450,000
7213-01	Summit Twp	\$321,504	\$0	\$2,038,496	\$0	\$0	\$2,360,000
7214-01	Monroe Co	\$3,360,000	\$0	\$0	\$0	\$0	\$3,360,000
7215-01	Ypsilanti	\$375,000	\$0	\$0	\$0	\$0	\$375,000
7216-01	Ferndale	\$2,470,000	\$0	\$0	\$0	\$0	\$2,470,000
7217-01	Ferndale	\$1,670,000	\$0	\$0	\$0	\$0	\$1,670,000
7218-01	West Bloomfield Twp	\$7,975,000	\$0	\$0	\$0	\$0	\$7,975,000
7220-01	Port Huron	\$1,950,000	\$0	\$0	\$0	\$0	\$1,950,000

<u>Project No</u>	<u>Loanee</u>	<u>Transmission &amp; Distribution</u>	<u>Treatment</u>	<u>Storage</u>	<u>Source</u>	<u>Other</u>	<u>Loan Amount</u>
7221-01	Port Huron	\$495,000	\$0	\$0	\$0	\$0	\$495,000
7224-01	Peninsula Twp	\$1,821,413	\$0	\$678,587	\$0	\$0	\$2,500,000
7225-01	Wexford Co	\$3,189,137	\$0	\$0	\$2,380,863	\$0	\$5,570,000
7227-01	Monroe Co	\$5,085,000	\$0	\$0	\$0	\$0	\$5,085,000
7229-01	Flushing	\$1,500,000	\$0	\$0	\$0	\$0	\$1,500,000
7230-01	Mt Clemens	\$320,000	\$0	\$0	\$0	\$0	\$320,000
7232-01	Scio Twp	\$3,155,000	\$0	\$0	\$0	\$0	\$3,155,000
7233-01	Wolverine Lake	\$425,000	\$0	\$0	\$0	\$0	\$425,000
7234-01	Hancock	\$3,133,516	\$0	\$0	\$531,484	\$0	\$3,665,000
7235-01	Ford River Twp	\$750,000	\$0	\$0	\$0	\$0	\$750,000
7236-01	St Joseph	\$0	\$0	\$3,270,000	\$0	\$0	\$3,270,000
7237-01	St Joseph	\$0	\$0	\$0	\$9,955,000	\$0	\$9,955,000
7239-01	Ravenna	\$0	\$1,220,887	\$0	\$119,113	\$0	\$1,340,000
7240-01	Detroit	\$6,500,000	\$0	\$0	\$0	\$0	\$6,500,000
7241-01	Deerfield	\$0	\$1,750,000	\$0	\$0	\$0	\$1,750,000
7242-01	Milford	\$1,162,846	\$417,154	\$0	\$0	\$0	\$1,580,000
7243-01	Perry	\$0	\$1,645,000	\$0	\$0	\$0	\$1,645,000
7246-01	Grand Beach	\$735,000	\$0	\$0	\$0	\$0	\$735,000
7247-01	YCUA	\$1,290,000	\$0	\$0	\$0	\$0	\$1,290,000
7248-01	Ypsilanti	\$435,000	\$0	\$0	\$0	\$0	\$435,000
7249-01	Ypsilanti	\$260,000	\$0	\$0	\$0	\$0	\$260,000
7250-01	Stockbridge	\$483,499	\$46,501	\$0	\$0	\$0	\$530,000
7252-01	Lansing Twp	\$1,060,000	\$0	\$0	\$0	\$0	\$1,060,000
7254-01	West Bloomfield Twp	\$790,000	\$0	\$0	\$0	\$0	\$790,000
7255-01	Buchanan	\$636,492	\$0	\$171,022	\$1,315,424	\$982,062	\$3,105,000
7257-01	Brownstown Twp	\$1,975,000	\$0	\$0	\$0	\$0	\$1,975,000
7258-01	Howell	\$5,295,000	\$0	\$0	\$0	\$0	\$5,295,000
7259-01	Dearborn	\$1,655,000	\$0	\$0	\$0	\$0	\$1,655,000
7260-01	New Haven	\$5,077,018	\$0	\$120,573	\$0	\$97,409	\$5,295,000
7262-01	Benton Harbor	\$1,049,787	\$0	\$17,870	\$0	\$562,343	\$1,630,000
7263-01	YCUA	\$600,000	\$0	\$0	\$0	\$0	\$600,000
7265-01	Van Buren Twp	\$4,375,684	\$0	\$6,699,316	\$0	\$0	\$11,075,000
7268-01	Howell	\$3,040,000	\$0	\$0	\$0	\$0	\$3,040,000
7269-01	Howell	\$2,655,000	\$0	\$0	\$0	\$0	\$2,655,000
7273-01	Benton Harbor	\$0	\$14,370,000	\$0	\$0	\$0	\$14,370,000

<u>Project No</u>	<u>Loanee</u>	<u>Transmission &amp; Distribution</u>	<u>Treatment</u>	<u>Storage</u>	<u>Source</u>	<u>Other</u>	<u>Loan Amount</u>
7275-01	Port Huron	\$4,395,000	\$0	\$0	\$0	\$0	\$4,395,000
7276-01	Port Huron	\$280,000	\$0	\$0	\$0	\$0	\$280,000
7278-01	Plainfield Twp	\$5,277,150	\$35,670	\$2,437,180	\$0	\$0	\$7,750,000
7279-01	Allegan	\$165,069	\$5,550,560	\$435,338	\$94,033	\$0	\$6,245,000
7280-01	Manistee	\$465,000	\$0	\$0	\$0	\$0	\$465,000
7281-01	Kentwood	\$6,250,000	\$0	\$0	\$0	\$0	\$6,250,000
7282-01	Holland	\$0	\$0	\$0	\$0	\$7,090,000	\$7,090,000
7283-01	Lawton	\$1,112,490	\$0	\$1,664,155	\$463,355	\$0	\$3,240,000
7284-01	Marquette	\$877,912	\$82,088	\$0	\$0	\$0	\$960,000
7286-01	St Joseph	\$0	\$2,155,000	\$0	\$0	\$0	\$2,155,000
7287-01	Greenville	\$197,017	\$0	\$0	\$1,002,983	\$0	\$1,200,000
7288-01	White Lake Twp	\$1,920,000	\$0	\$0	\$0	\$0	\$1,920,000
7289-01	Pittsfield Twp	\$7,845,000	\$0	\$0	\$0	\$0	\$7,845,000
7292-01	Gladwin	\$0	\$0	\$1,645,000	\$0	\$0	\$1,645,000
7293-01	Dexter	\$1,108,633	\$251,484	\$0	\$799,883	\$0	\$2,160,000
7294-01	Dexter	\$1,550,000	\$0	\$0	\$0	\$0	\$1,550,000
7299-01	Northville Twp	\$2,330,000	\$0	\$0	\$0	\$0	\$2,330,000
7301-01	Grosse Pte Woods	\$0	\$0	\$2,190,000	\$0	\$0	\$2,190,000
7304-01	Berrien Co	\$395,381	\$2,264,619	\$0	\$0	\$0	\$2,660,000
7307-01	Pontiac	\$3,425,000	\$0	\$0	\$0	\$0	\$3,425,000
7313-01	Monroe Co	\$2,360,000	\$0	\$0	\$0	\$0	\$2,360,000
7314-01	South Lyon	\$5,243,064	\$56,936	\$0	\$0	\$0	\$5,300,000
7319-01	Ann Arbor	\$2,932,692	\$4,692,308	\$0	\$0	\$0	\$7,625,000
7325-01	Ann Arbor	\$735,000	\$0	\$0	\$0	\$0	\$735,000
7332-01	Grosse Pte Woods	\$2,543,992	\$0	\$0	\$0	\$1,446,008	\$3,990,000
7333-01	Ann Arbor	\$3,250,554	\$0	\$0	\$3,354,446	\$0	\$6,605,000
7335-01	Oakland Co	\$6,890,000	\$0	\$0	\$0	\$0	\$6,890,000
7338-01	Cadillac	\$734,622	\$0	\$0	\$2,190,378	\$0	\$2,925,000
7340-01	Genesee Co	\$1,105,000	\$0	\$0	\$0	\$0	\$1,105,000
7346-01	Grand Rapids	\$902,743	\$0	\$0	\$0	\$597,257	\$1,500,000
7350-01	Three Rivers	\$1,795,000	\$870,000	\$0	\$0	\$0	\$2,665,000
7355-01	Livonia	\$3,775,000	\$0	\$0	\$0	\$0	\$3,775,000
7360-01	Manistee	\$478,511	\$0	\$0	\$56,489	\$0	\$535,000
7361-01	Allegan	\$725,000	\$0	\$0	\$0	\$0	\$725,000
7362-01	Ann Arbor	\$10,795,000	\$0	\$0	\$0	\$0	\$10,795,000

<u>Project No</u>	<u>Loanee</u>	<u>Transmission &amp; Distribution</u>	<u>Treatment</u>	<u>Storage</u>	<u>Source</u>	<u>Other</u>	<u>Loan Amount</u>
7363-01	Marquette	\$965,000	\$0	\$0	\$0	\$0	\$965,000
7364-01	Grand Rapids	\$0	\$0	\$0	\$0	\$960,000	\$960,000
7365-01	Grand Rapids	\$0	\$0	\$3,460,000	\$0	\$0	\$3,460,000
7367-01	Leslie	\$0	\$1,112,069	\$0	\$163,240	\$724,691	\$2,000,000
7369-01	Huron Charter Twp	\$2,735,000	\$0	\$0	\$0	\$0	\$2,735,000
7373-01	Allegan	\$165,000	\$0	\$0	\$0	\$0	\$165,000
7374-01	Grand Rapids	\$468,942	\$0	\$0	\$0	\$3,911,058	\$4,380,000
7375-01	Ann Arbor	\$0	\$0	\$0	\$0	\$3,025,000	\$3,025,000
7376-01	Beecher Metro District	\$2,143,636	\$556,637	\$199,818	\$0	\$99,909	\$3,000,000
7377-01	Waterford Twp	\$5,875,478	\$0	\$0	\$0	\$5,539,522	\$11,415,000
7378-01	Port Huron	\$2,300,000	\$0	\$0	\$0	\$0	\$2,300,000
7379-01	Marquette	\$330,000	\$0	\$0	\$0	\$0	\$330,000
7380-01	Bay Co	\$1,410,924	\$10,576,539	\$12,537	\$0	\$0	\$12,000,000
7380-02	Bay Co - County Road Comm	\$2,063,677	\$10,597,255	\$2,339,068	\$0	\$0	\$15,000,000
7381-01	Grand Rapids	\$0	\$0	\$0	\$0	\$770,000	\$770,000
7383-01	YCUA	\$2,140,000	\$0	\$0	\$0	\$0	\$2,140,000
7387-01	Grand Blanc	\$294,223	\$0	\$270,882	\$655,761	\$679,134	\$1,900,000
7388-01	Burton	\$6,000,000	\$0	\$0	\$0	\$0	\$6,000,000
7389-01	Beecher Metro District	\$1,398,930	\$0	\$0	\$676,150	\$104,920	\$2,180,000
7390-01	Nashville	\$670,000	\$0	\$0	\$0	\$0	\$670,000
7394-01	Grand Rapids	\$0	\$2,890,751	\$0	\$0	\$654,249	\$3,545,000
7395-01	Benzonia	\$187,101	\$0	\$119,047	\$308,852	\$0	\$615,000
	Totals	\$424,013,223	\$232,223,692	\$74,885,682	\$46,395,945	\$31,201,458	\$808,720,000
265	Total number of projects						

Michigan Department of Environmental Quality  
 FY 2014 Drinking Water Revolving Fund  
 Small Community Report

Project No.	Loanee	Location	Description	Loan Amt.	OOA Date	Population
7395-01	Benzonia	Benzie Co	New well, watermain, tank, SCADA impr	\$615,000	26-Aug-14	503
7387-01	Grand Blanc	Genesee Co	Water system improvements	\$1,900,000	26-Aug-14	8,276

**2 # of projects**

**\$2,515,000**

DWRP

Drinking Water Revolving Fund Current PPL  
Fiscal Year 2014 Project Priority List - By Rank

DWRP

Project No.	Loanee	Location	Description	Population	Actual Loan Date	Actual Loan Amount	Notice to Proceed Date	Estimated Loan Amount
7380-02	Bay Co - County Road Comm	Bay City	Membrane WTP; Trans WM;--Segment 2	82,932	11/22/2013	\$ 15,000,000	10/3/2013	
7394-01	Grand Rapids	Grand Rapids	Concrete restor at filter cells; resv pump replac	296,973	8/26/2014	\$ 3,545,000	10/4/2013	
7395-01	Benzonia	Benzonia	New well, watermain, tank, SCADA improv	503	8/26/2014	\$ 615,000	9/22/2014	
7396-01	Northport	Northport	New well, SCADA, watermain imp	532	declined			\$790,000
7390-01	Nashville	Nashville	Watermain repl, pump and well improv	1,628	6/3/2014	\$ 670,000	6/25/2014	
7335-01	Pontiac	Oakland Co	Trans main looping; tank scada; WM repl	67,133	8/26/2014	\$ 6,890,000	10/13/2014	
7387-01	Grand Blanc	Genesee Co	Water system improvements	8,276	8/26/2014	\$ 1,900,000	11/17/2014	
7391-01	Ypsilanti Community Utilities Authority	Washtenaw Co	Water Sys Comm Improv	72,797	self funded			\$150,000
7388-01	Burton	Genesee Co	WM, Looping, PRV repl, SCADA	29,999	6/3/2014	\$ 6,000,000	7/14/2014	
7389-01	Beecher Metro District	Genesee Co	Water sys improvement, distribution, optimizat	12,793	8/26/2014	\$ 2,180,000	10/1/2014	
7355-01	Livonia	Wayne Co	Phase 1 WM repl; PRV	95,269	6/3/2014	\$ 3,775,000	5/17/2014	
7300-01	Melvindale	Wayne Co	Repl mains/services; looping	10,734	declined			\$3,600,000
7010-06	Sault Ste. Marie	Sault Ste Marie	WM - Phase C-3	14,905	8/26/2014	\$ 5,120,000	11/14/2014	
7378-01	Port Huron	St Clair Co	Repl mains (Nern St Area)	30,428	3/11/2014	\$ 2,300,000	4/10/2014	
7379-01	Marquette	Marquette Co	Storage tank impr	20,457	8/26/2014	\$ 330,000	7/1/2014	
7291-01	Royal Oak Twp	Oakland Co	Repl mains	2,660	declined			\$805,000
7369-01	Huron Charter Twp	Wayne Co	WM Rpl	15,879	8/26/2014	\$ 2,735,000	10/17/2014	
7393-01	Bay City	Bay Co	Capital Improvement Prog, watermain, storage	34,932	wait til FY2015			\$4,475,000
7290-01	Wayne	Wayne Co	Upgrd meters w/ cent read sys; repl mains	18,200	wait til FY2015			\$4,465,000
19						\$ 51,060,000		\$ 14,285,000

Attachment 5

Michigan Department of Environmental Quality  
Allocation of 2010 Drinking Water Capitalization Grant

Project #	Loanee	OOA Date	OOA Amt	GPR Amt	Principal Forgiveness on GPR Amt	Amt to be funded with 2010 cap grant	<u>GPR Amt</u> s	<u>PF Amt</u> s
7269-01	Howell	8/26/2011	2,655,000	1,158,279	1,062,000	1,158,279	1,158,279	1,062,000
7278-01	Plainfield Twp	3/11/2011	7,750,000	1,445,375	1,523,844	1,523,844	1,445,375	1,523,844
7282-01	Holland	8/26/2011	7,090,000	-	-	1,063,500	0	1,063,500
7294-01	Dexter	8/26/2011	1,550,000	1,550,000	620,000	1,550,000	1,550,000	620,000
7299-01	Northville Twp	8/27/2012	2,330,000	<i>GPR paid from 2011 grant</i>	665,093	665,093	-	665,093
7325-01	Ann Arbor	3/11/2011	735,000	-	110,250	110,250	-	110,250
7333-01	Ann Arbor	8/26/2011	6,605,000	-	990,750	990,750	-	990,750
7338-01	Cadillac	8/26/2011	2,925,000	280,800	508,950	508,950	280,800	508,950
7340-01	Genesee Co	3/11/2011	1,105,000	-	165,750	165,750	-	165,750
7346-01	Grand Rapids	3/11/2011	1,500,000	597,300	374,325	597,300	597,300	374,325
7350-01	Three Rivers	6/3/2011	2,665,000	1,456,689	763,923	763,923	763,923	763,923
7360-01	Manistee	3/11/2011	535,000	-	80,250	80,250	-	80,250
7361-01	Allegan	3/11/2011	725,000	626,757	265,439	626,757	626,757	265,439
7362-01	Ann Arbor	8/27/2012	10,795,000	3,861,207	1,930,604	1,867,750	1,354,266	1,867,750
7363-01	Marquette	6/3/2011	965,000	965,000	386,000	386,000	386,000	386,000
7364-01	Grand Rapids	6/3/2011	960,000	-	144,000	144,000	-	144,000
7365-01	Grand Rapids	8/26/2011	3,460,000	-	519,000	519,000	-	519,000
7367-01	Leslie	6/4/2012	2,000,000	<i>GPR paid from 2011 grant</i>	342,277	342,277	-	342,277
7373-01	Allegan	3/12/2012	165,000	165,000	82,500	82,500	82,500	82,500
7374-01	Grand Rapids	8/27/2012	4,380,000	<i>GPR paid from 2011 grant</i>	832,200	832,200	-	832,200
			60,895,000	12,106,407	11,367,154	13,978,373	8,245,200	12,367,801

Michigan Department of Environmental Quality  
Allocation of 2011 Drinking Water Capitalization Grant

Project #	Loanee	OOA Date	OOA Amt	GPR Amt	Principal Forgiveness on		Amt to be funded with 2011 cap grant	<u>GPR Amts</u>	<u>PF Amts</u>
					GPR Amt				
7269-01	Howell	8/26/2011	2,655,000	1,496,721	PF paid from 2010 grant		1,496,721	1,496,721	-
7299-01	Northville Twp	8/27/2012	2,330,000	1,317,956	PF paid from 2010 grant		1,317,956	1,317,956	-
7314-01	South Lyon	8/27/2012	5,300,000	5,300,000		2,650,000	2,650,000	-	2,650,000
7362-01	Ann Arbor	8/27/2012	10,795,000	3,861,207		62,854	466,770	466,770	62,854
7367-01	Leslie	6/4/2012	2,000,000	684,553	PF paid from 2010 grant		684,553	684,553	-
7374-01	Grand Rapids	8/27/2012	4,380,000	1,664,400	PF paid from 2010 grant		1,664,400	1,664,400	-
7380-01	Bay County	8/26/2013	12,000,000	-		5,732,746	5,732,746	-	5,732,746
7389-01	Beecher Metro	9/17/2014	2,180,000	1,883,513		1,500,000	136,800	91,200	136,800
			41,640,000	16,208,350		9,945,600	14,149,946	5,721,600	8,582,400

Michigan Department of Environmental Quality  
Allocation of 2012 Drinking Water Capitalization Grant

Project #	Loanee	OOA Date	OOA Amt	GPR Amt	Principal Forgiveness on		Amt to be funded with 2012 cap grant	<u>GPR Amts</u>	<u>PF Amts</u>
					GPR Amt				
7376-01	Beecher Metro	8/26/2013	3,000,000	1,530,000		765,000	765,000	-	765,000
7377-01	Waterford	6/3/2013	11,400,000	11,400,000		4,420,346	4,420,346	-	4,420,346
7380-01	Bay County	8/26/2013	12,000,000	12,000,000		6,000,000	6,000,000	6,000,000	267,254
			26,400,000	24,930,000		11,185,346	11,185,346	6,000,000	5,452,600

Michigan Department of Environmental Quality  
Allocation of 2013 Drinking Water Capitalization Grant

Project #	Loanee	OOA Date	OOA Amt	GPR Amt	Principal Forgiveness on		Amt to be funded with 2013 cap grant	<u>GPR Amts</u>	<u>PF Amts</u>
					GPR Amt				
7376-01	Beecher Metro	8/26/2013	3,000,000	1,530,000	-		269,702	-	269,702
7380-02	Bay County	11/22/2013	15,000,000	1,464,715	1,464,715		1,464,715	-	1,464,715
7390-01	Nashville	6/3/2014	670,000	670,000	335,000		335,000	-	335,000
7394-01	Grand Rapids	9/17/2014	3,545,000	654,407	654,407		654,407	-	654,407
7395-01	Benzonia	9/17/2014	615,000	100,000	100,000		100,000	-	100,000
7387-01	Grand Blanc	9/17/2014	1,900,000	809,128	809,128		809,128	-	809,128
7389-01	Beecher Metro	9/17/2014	2,180,000	1,883,513	1,500,000		1,500,000	-	1,363,200
			26,910,000	7,111,763	4,863,250		5,132,952	-	4,996,152