

Rick Snyder, Governor

**The Michigan Department  
of Environmental Quality**

C. Heidi Grether, 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 2016 Annual Report  
of the  
Michigan Drinking Water Revolving Fund**

Prepared by:  
Revolving Loan Section  
Office of Drinking Water and Municipal Assistance  
P.O. Box 30241  
Lansing, MI 48909-7741  
517-284-5433

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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 suppliers 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:

Ms. Mary G. Martin, Executive Director  
Michigan Finance Authority  
Richard H. Austin State Office Building  
430 W. Allegan Street  
Lansing, Michigan 48922  
517-373-3208  
treasmfa@michigan.gov

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:

Ms. Amy Lachance, Chief  
Community Water Supply Section  
Office of Drinking Water and Municipal Assistance  
P.O. Box 30241  
Lansing, Michigan 48909-7741  
616-490-9590  
LachanceA1@michigan.gov

Ms. Dana DeBruyn, Acting Chief  
Environmental Health Section (EHS)  
Office of Drinking Water and Municipal Assistance  
P.O. Box 30241  
Lansing, Michigan 48909-7741  
517-930-6463  
DeBruynD@michigan.gov

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

Ms. Sonya Butler, Chief  
Revolving Loan Section (RLS)  
Office of Drinking Water and Municipal Assistance  
P.O. Box 30241  
Lansing, Michigan 48909-7741  
517-284-5433  
ButlerS2@michigan.gov

### 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) 2016. 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 2016 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 subsidization, green projects, Davis Bacon, and American Iron and Steel) 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 DWRP 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; as well as for technical assistance and capacity development. Source water protection supports programs that prevent contaminants from reaching sources of drinking water. Wellhead protection works to protect the quality of the groundwater. Technical assistance helps small, economically disadvantaged communities in meeting drinking water standards. Also the set-aside can be used for a capacity development program to develop, implement, and enhance surface water protection.

Michigan is proud of its accomplishments in promoting compliance with all applicable drinking water requirements. The DWRP provides a source of infrastructure financing that assists communities in protecting public health. In FY 2016, seven loans were made to water suppliers, totaling \$35,895,000 (breakdown by county shown below).

Genesee County	\$10,460,000
Kent County	\$ 2,830,000
Oakland County	\$ 5,165,000
Washtenaw County	\$ 1,655,000
Wayne County	<u>\$15,785,000</u>
<b>Total</b>	<b>\$35,895,000</b>

Since 1997, 284 DWRP loans, totaling \$893,025,000, have been made to Michigan water suppliers. See Attachment 1 – DWRP 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 2016.

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	\$487,155,977
II. Treatment	\$237,193,692
III. Storage	\$ 80,076,364
IV. Source	\$ 46,904,448
V. Other	<u>\$ 41,694,519</u>
<b>TOTAL</b>	<b>\$893,025,000</b>

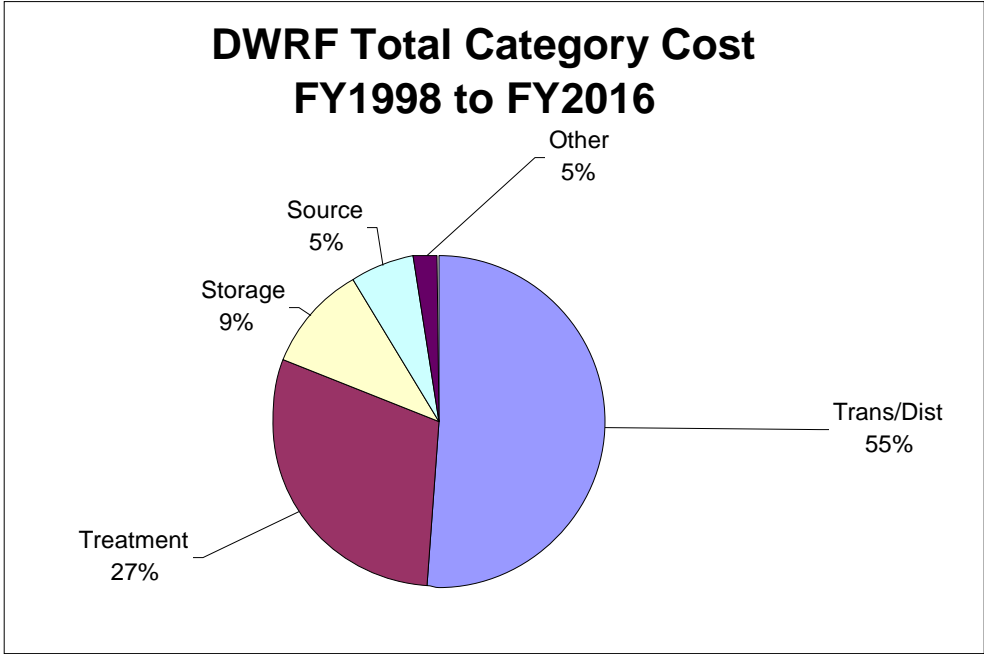


Chart 1

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	\$135,965,000	84
3,500 to 9,999	\$138,895,000	59
10,000 to 99,999	\$454,875,000	115
Over 100,000	<u>\$163,290,000</u>	<u>26</u>
<b>TOTAL</b>	<b>\$893,025,000</b>	<b>284</b>

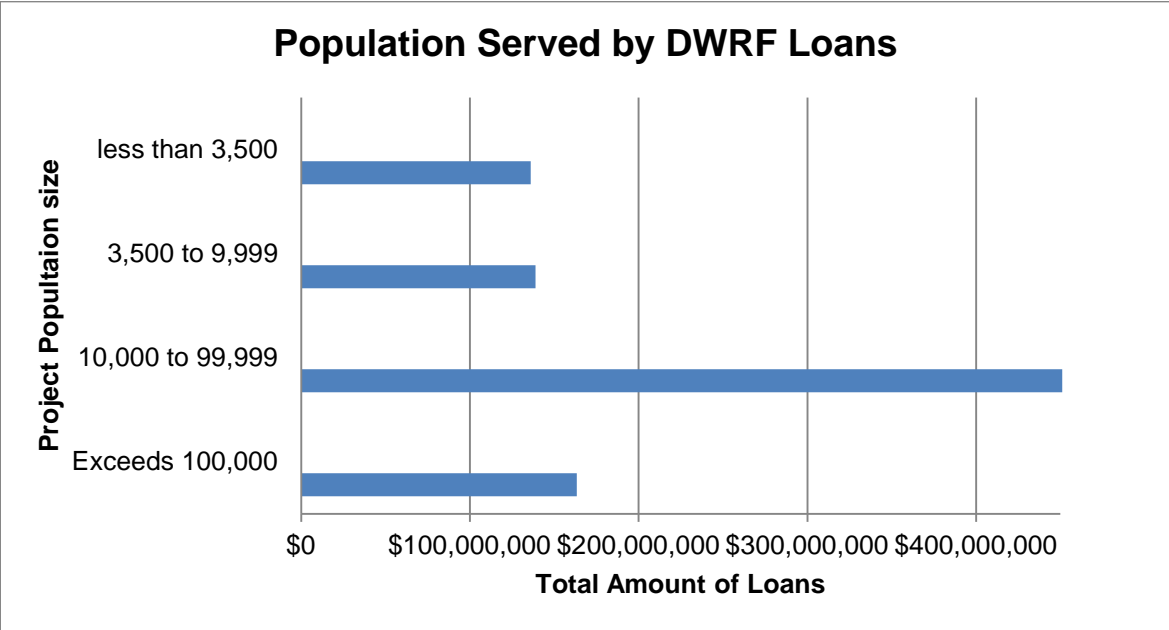


Chart 2

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 2016. There was one small community loan funded, and it totals \$1,655,000.

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

Demand for the DWRF has slowed in recent years. RLS staff continues to increase 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. Marketing efforts have included listserv notifications, field visits, attendance at various conferences/expos, and submittal of articles to various state-wide publications.

## 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 2016 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, 2016, and was awarded the 2016 capitalization grant. The DEQ and MFA funded all projects identified on the FY 2016 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 \$36 million, as noted in the IUP. This amount provided funding to seven DWRF projects (through the Genesee County Drain Commissioner, Project No. 7405-01 on the FY 2016 PPL). Attachment 5 shows the FY 2016 PPL and includes funded projects. All projects on the PPL were funded in FY 2016. All projects receiving DWRF funds in FY 2016 issued a Notice to Proceed within 60 days of the loan closing. The DEQ and the MFA committed \$35,895,000 to seven DWRF projects, bringing total commitments made from the inception of the DWRF program to \$893,025,000. The DEQ applied the federal crosscutters to every project funded during the fiscal year.

**Goal:** *Ensure that the additional requirements of the 2015 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.

The 2015 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 2016 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 loan funding.

Congress mandated that at least 20 percent (\$5,469,800) of the 2015 capitalization grant (\$27,349,000) be provided as additional subsidy to borrowers. The DEQ provided the additional subsidy as principal forgiveness; \$5,000,000 was allocated during the fiscal year. The remaining amount for principal forgiveness, \$524,144, will be allocated in FY 2017. Congress also required all DWRF projects funded in FY 2016 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 2016. 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 2015.

**Goal:** *Review and update, as applicable, the Operating Agreement by December 31, 2015.*

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 had been extended to December 31, 2015. The updated agreement and required attachments should be complete and routed for signatures by December 31, 2016.

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. Ms. Kris Philip submitted the 2016 Operator Certification and Expense Reimbursement Grant Annual Report to Mr. Thomas Poy and Ms. Jennifer Crooks (EPA) in September 2016. The Annual Capacity Development Report was submitted to Ms. Sahba Rouhani (EPA) on December 27, 2016.

## **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 2016 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 to 2016	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 water 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 2016, less 4 percent for administration and drinking water program set-asides:

2015 Capitalization Grant funds for loans (total grant is \$27,349,000)	\$20,573,160
2015 State Match (general funds)	\$ 2,250,000
2015 State Match (state match bonds)	<u>\$ 3,219,800</u>
<b>TOTAL</b>	<b>\$26,042,960</b>

There was an additional cash match of \$1,694,015 spent in FY 2016 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 2016, the DEQ and the MFA processed \$38,624,943 in loan disbursements. Administrative costs for the DEQ and the MFA in FY 2016 totaled \$1,263,564 in disbursement requests. Non-administrative set-aside requests totaled \$4,332,884. During the fiscal year, the cash draw ratios (federal funds/state match) used for the 2014 and 2015 capitalization grants were 79.63/20.37 and 79.00/21.00, respectively. The state match bond was sold on April 28, 2016.

## **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 late December 2016. 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 2016. 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 objective (0 percent), nor the WBE (0 percent) objective for the DWRF. The MBE and WBE figures were reported by the DEQ as part of the state's required submission during FY 2016.

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 2016 have been entered into the EPA PBR System.
- E. During the fiscal year, one project manager retired after 37 years. All project managers in the RLS perform work in the DWRF and the State Revolving Fund. There will be no impact on the technical competency of RLS staff to operate the DWRF program.
- F. All DWRF projects funded in FY 2016 meet the federal crosscutter requirements (including environmental justice), the state environmental review process, and satisfy the EPA equivalency requirement.

## **XI. SUMMARY**

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

**DE** 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
7021-01	Washtenaw Co	Saline	Water main replacement at four locations	6/12/1998	\$1,375,000.00
7018-01	Carrollton Twp	Saginaw Co	Upgrade/replace the majority of water mains	6/12/1998	\$2,165,000.00
7028-01	Frankfort	Benzie Co	New well, grnd strg, ps imps, repl mains	8/27/1998	\$1,775,000.00
7042-01	Lapeer Co	Dryden	Repl mains, looping, new well	8/27/1998	\$1,155,000.00
7031-01	Hudsonville	Ottawa Co	Repl mains	8/27/1998	\$500,000.00
7029-01	Van Buren Co	Paw Paw	Repl mains, looping	8/27/1998	\$830,000.00
7026-01	St Clair Co	Algonac	New intake crib, ps, grnd strg tanks	8/27/1998	\$7,900,000.00
7024-01	Mt Clemens	Macomb Co	Seg 1; WTP upgrd, sed basin impr	8/27/1998	\$2,155,000.00
7023-01	Blissfield	Lenawee Co	Repl WTP, new intake	8/27/1998	\$6,485,000.00
7022-01	Manchester	Washtenaw Co	Repl mains, looping, det tank	8/27/1998	\$620,000.00
7017-01	YCUA	Washtenaw Co	Rehab/replace aged mains	8/27/1998	\$4,935,000.00
7015-01	Flushing	Genesee Co	Replace/rehab distribution mains	8/27/1998	\$2,045,000.00
7014-01	Oxford	Oakland Co	Replace and upgrade aged mains	8/27/1998	\$1,895,000.00
7006-01	Otisville	Genesee Co	Two new wells with .5 mile main connections	8/27/1998	\$375,000.00
7011-01	Rockford	Kent Co	2 new supply wells, iron removal, main replacement	8/27/1998	\$2,440,000.00
7030-01	Coopersville	Ottawa Co	Repl mains	8/27/1998	\$750,000.00
7010-01	Sault Ste Marie	Chippewa Co	Segment B	8/27/1998	\$4,155,000.00
7013-01	Summit Twp	Jackson Co	Two new wells, elevated storage,	8/27/1998	\$4,630,000.00
7002-01	Breckenridge	Gratiot Co	New well with 450ft transmission main	8/27/1998	\$330,000.00
7004-01	Marine City	St Clair Co	New 750,000 gallon spheroid water storage tower	8/27/1998	\$1,155,000.00
7005-01	Lansing Twp	Ingham Co	Clement Road portion: 2600 ft. of replacement 12"	8/27/1998	\$425,000.00
7001-01	Wixom	Oakland Co	Segment 1	8/27/1998	\$3,895,000.00
7001-02	Wixom	Oakland Co	Segment 2	3/5/1999	\$6,180,000.00
7057-01	Fenton	Genesee Co	New grnd strg tank, repair strg tanks, looping	3/5/1999	\$1,480,000.00
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
7021-02	Washtenaw Co	Saline	Seg 2; Main repl, looping, press valves, elev strg	5/25/1999	\$1,420,000.00
7046-01	East Jordan	Charlevoix Co	Phase 1; Grnd strg, repl mains	5/25/1999	\$850,000.00
7038-01	Melvindale	Wayne Co	Repl mains, looping	5/25/1999	\$1,100,000.00

<b>Project No</b>	<b>Applicant</b>	<b>Location</b>	<b>Description</b>	<b>Binding Comm. Date</b>	<b>Binding Comm. Amount</b>
7059-01	Holly	Oakland Co	New well, rehab/expnd trt plant, upgrd wtr tower	5/25/1999	\$1,435,000.00
7048-01	Plainwell	Allegan Co	2 new wells, elev strg, main ext	5/25/1999	\$1,570,000.00
7005-02	Lansing Twp	Ingham Co	Installation of 4000 lineal feet of 12" water main	5/25/1999	\$780,000.00
7086-01	East Jordan	Charlevoix Co	Phase 2; New well, ps, repl mains, looping	9/3/1999	\$1,290,000.00
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
7064-01	Eaton Rapids	Eaton Co	Repl mains, dist ext, WTP upgrd	9/3/1999	\$1,745,000.00
7007-01	Mt Morris	Genesee Co	Distribution main replacement	9/3/1999	\$420,000.00
7052-01	St Clair Co	East China/China	New intake, WTP, repl mains	9/3/1999	\$8,425,000.00
7053-01	Caro	Tuscola Co	Repl dist mains, new well, trans main	9/3/1999	\$1,035,000.00
7044-01	Sanilac Co	Lexington	Upgrd/Expnd Lk Huron intake, WTP upgrd, dist imp	9/3/1999	\$2,040,000.00
7008-01	White Cloud	Newaygo Co	New 200,000 gallon water storage tank	9/3/1999	\$835,000.00
7058-01	Highland Park	Wayne Co	WM Improv; WTP Improv	9/3/1999	\$6,000,000.00
7065-01	Grand Beach	Berrien Co	Repl mains	9/3/1999	\$720,000.00
7001-03	Wixom	Oakland Co	Segment 3; Main extensions	3/2/2000	\$7,290,000.00
7082-01	Colon	St Joseph Co	New elev strg tank, new well, repl mains, looping	6/1/2000	\$2,085,000.00
7091-01	Ottawa Co	Allendale Twp	New booster sta, booster sta imp, trans main repl	6/1/2000	\$1,865,000.00
7039-03	Mt Clemens	Macomb Co	Seg 3; Repl mains, looping	6/1/2000	\$1,960,000.00
7019-02	Flint	Genesee Co	Clarifier, plate settlers, flume rehab	8/31/2000	\$8,035,000.00
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
7084-01	Chelsea	Washtenaw Co	Seg 1; New production well, trans main	11/28/2000	\$6,110,000.00
7083-01	Hudson	Lenawee Co	Repl high serv & well pumps/motors,	6/11/2001	\$1,770,000.00
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
7100-01	Nashville	Barry Co	New & repl mains, WTP imps, standby generators, booster PS	9/7/2001	\$965,000.00
7019-03	Flint	Genesee Co	Filter rehab, electric rehab	9/7/2001	\$9,480,000.00
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
7010-02	Sault Ste Marie	Chippewa Co	Segment C	9/7/2001	\$1,800,000.00
7079-02	Muir	Ionia Co	Financial segment of 7079-01	11/29/2001	\$340,000.00
7088-01	Port Huron	St Clair Co	Phase 2; Repl mains, looping	11/29/2001	\$8,945,000.00

<b>Project No</b>	<b>Applicant</b>	<b>Location</b>	<b>Description</b>	<b>Binding Comm. Date</b>	<b>Binding Comm. Amount</b>
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
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
7084-02	Chelsea	Washtenaw Co	Seg 2; Repl mains, looping	3/12/2002	\$3,090,000.00
7009-01	EsCANABA	Delta Co	Treatment plant annex	6/11/2002	\$2,750,000.00
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
7113-01	Port Huron	St Clair Co	Phase 4; Repl mains, looping	9/5/2002	\$1,805,000.00
7098-01	Adrian	Lenawee Co	WTP upgrd, repl mains	9/5/2002	\$5,665,000.00
7096-01	Ypsilanti	Washtenaw Co	Phase 3; Repl mains	9/5/2002	\$485,000.00
7085-01	Jackson Co	Grass Lake	new strg tank & repl mains	9/5/2002	\$2,255,000.00
7068-01	Marion	Osceola Co	Replace distribution mains	9/5/2002	\$1,800,000.00
7107-01	Fenton	Genesee Co	New WTP w/ iron remvl, sfng, repl mains, looping	11/26/2002	\$9,600,000.00
7099-01	Monroe Co	Petersburg	Trans main, PS	3/11/2003	\$2,720,000.00
7128-01	Deerfield	Lenawee Co	New elev stor tank, repl mains, looping	3/11/2003	\$925,000.00
7105-01	Port Huron	St Clair Co	Water main repl. - Tunnel St. Area	3/11/2003	\$1,800,000.00
7126-01	Grand Blanc	Genesee Co	WTP upgrd, arsenic trt, softening	3/11/2003	\$3,600,000.00
7010-03	Sault Ste Marie	Chippewa Co	Seg D & Seg E (partial) repl mains, looping	3/11/2003	\$3,135,000.00
7126-02	Grand Blanc	Genesee Co	WTP upgrd, arsenic trt, softening	3/11/2003	\$800,000.00
7115-01	Boyne City	Charlevoix Co	New ground stor tank; new well; trans mains; booster station	6/10/2003	\$1,785,000.00
7125-01	Davison	Genesee Co	Repl mains, looping	6/10/2003	\$2,430,000.00
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
7043-01	Monitor Twp	Bay Co	Repl mains, looping	6/10/2003	\$455,000.00
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
7129-01	Filer Twp	Manistee Co	New elev stor tank; well imps; dist.main/looping	6/10/2003	\$1,490,000.00
7114-01	Barry Co	Yankee Springs T	Yankee Springs Twp elev water tank	6/10/2003	\$650,000.00
7034-01	Saline	Washtenaw Co	New WTP	9/4/2003	\$6,840,000.00
7019-04	Flint	Genesee Co	Seg 4; WTP upgrd/expnd	9/4/2003	\$19,180,000.00

Project No	Applicant	Location	Description	Binding Comm. Date	Binding Comm. Amount
7117-01	Portland	Ionia Co	New elev stor tank, new well	9/4/2003	\$1,450,000.00
7138-01	Davison	Genesee Co	WTP upgrd, arsenic trt, well	9/4/2003	\$3,570,000.00
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
7134-01	Huron Co	Elkton	Repl mains, looping	3/9/2004	\$835,000.00
7136-01	Brighton	Livingston Co	Rehab WTP, repl mains	3/9/2004	\$1,520,000.00
7147-01	Port Huron	St Clair Co	Water main repl. - CSO Area 35	3/9/2004	\$2,315,000.00
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
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
7027-01	Ontonagon	Ontonagon Co	New WTP, conn main, ext for consolidation (refinance)	6/8/2004	\$7,370,000.00
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
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
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
7160-01	Marquette Twp	Marquette Co	New wells and strg; ps imp; repl mains	6/7/2005	\$4,520,000.00
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
7169-01	Port Huron	St Clair Co	Repl mains - Woodstock Area Phase II	6/7/2005	\$510,000.00
7165-01	Bay City	Bay Co	WTP Upgrade	6/7/2005	\$6,000,000.00
7164-01	Shiawassee Co	Byron	WTP; Arsenic Trt, Looping; Stor Tank Rehab/Upgrd	9/1/2005	\$850,000.00
7162-01	Detroit	Wayne Co	Repl mains	9/1/2005	\$10,710,000.00
7159-01	Marine City	St Clair Co	WTP Imp	9/1/2005	\$2,500,000.00
7155-01	Caro	Tuscola Co	WTP Arsenic Trt; Upgrd Wells;	9/1/2005	\$1,780,000.00
7148-01	Sanilac Co	Carsonville	Arsenic trt	9/1/2005	\$690,000.00
7161-01	Detroit	Wayne Co	Lake Huron WTP clearwell rehab	9/1/2005	\$15,265,000.00
7187-01	Port Huron	St Clair Co	Repl mains - Merchant St.	3/14/2006	\$705,000.00
7172-01	Galesburg	Kalamazoo Co	Elev strg tank; repl main	3/14/2006	\$2,500,000.00
7176-01	Stockbridge	Ingham Co	Repl mains; looping (Phase 1)	3/14/2006	\$345,000.00
7185-01	Port Huron	St Clair Co	Repl mains - 16th Ave Phase III	3/14/2006	\$1,355,000.00

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7183-01	Brooklyn	Jackson Co	Repl mains, looping, elev stor tank, meters	3/14/2006	\$1,500,000.00
7186-01	Port Huron	St Clair Co	Repl mains - Erie St. Phase II	3/14/2006	\$1,025,000.00
7188-01	Port Huron	St Clair Co	Repl mains - Woodstock Phase III	6/6/2006	\$825,000.00
7179-01	Reed City	Osceola Co	New strg tank; trans main; repl main; looping	6/6/2006	\$1,605,000.00
7153-01	Sanilac Co	Sanilac Twp	New water system	6/6/2006	\$9,370,000.00
7158-01	Barry Co	Middleville	New wells and strg tank; repl mains	6/6/2006	\$1,040,000.00
7178-01	Detroit	Wayne Co	Repl mains	8/31/2006	\$6,035,000.00
7119-01	Port Huron	St Clair Co	WTP filter backwash handling system	8/31/2006	\$2,040,000.00
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
7171-01	Ferndale	Oakland Co	Upgrd booster station, new station, repl mains, loop	8/31/2006	\$3,475,000.00
7183-02	Brooklyn	Jackson Co	Repl mains, looping, elev stor tank, meters (financial seg)	11/21/2006	\$365,000.00
7209-01	Watersmeet Twp	Gogebic Co	New well and strg tank	3/13/2007	\$950,000.00
7215-01	Ypsilanti	Washtenaw Co	Repl mains (city-Lowell St.)	3/13/2007	\$375,000.00
7205-01	Barry Co	Yankee Springs T	WTP - Arsenic trt	3/13/2007	\$450,000.00
7204-01	Escahaba	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
7202-01	Pentwater	Oceana Co	Arsenic trt; repl mains; strg tank painting	3/13/2007	\$1,180,000.00
7220-01	Port Huron	St Clair Co	Repl mains - Vanness area	3/13/2007	\$1,950,000.00
7143-01	Mt Clemens	Macomb Co	Upgrd trt, repl mains, rehab stor tank, genrtr, switchgear	3/13/2007	\$3,900,000.00
7174-01	YCUA	Washtenaw Co	Repl mains; looping (twp- Hewitt/Valley/Congress area)	3/13/2007	\$2,295,000.00
7201-01	Fowler	Clinton Co	Arsenic trt; well imp; new trans main	6/5/2007	\$805,000.00
7197-01	Ubly	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
7230-01	Mt Clemens	Macomb Co	Repl mains	6/5/2007	\$320,000.00
7194-01	Iron River Twp	Iron Co	New well; upgrd trans main; new generator	6/5/2007	\$805,000.00
7212-01	Forsyth Twp	Marquette Co	Water main repl; 2nd supply connection	6/5/2007	\$450,000.00
7213-01	Summit Twp	Jackson Co	New elev strg tank	6/5/2007	\$2,360,000.00
7216-01	Ferndale	Oakland Co	New booster sta; repl mains	8/30/2007	\$2,470,000.00
7130-01	Adrian	Lenawee Co	New wells, imp wtp sed basins, repl mains	8/30/2007	\$7,890,000.00
7199-01	Waterford Twp	Oakland Co	WTPs, Wells, Extnr Dist Mains, Looping	8/30/2007	\$8,905,000.00
7208-01	Mason	Ingham Co	WTP - Radium trt	8/30/2007	\$8,000,000.00

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7200-01	Alpena	Alpena Co	Rehab WTP, repl mains	8/30/2007	\$3,650,000.00
7195-01	Green Oak Twp	Livingston Co	WTP - Arsenic trt	8/30/2007	\$1,050,000.00
7191-01	Lapeer Co	Dryden	Arsenic Trt	8/30/2007	\$695,000.00
7198-01	Millington	Tuscola Co	WTP - Arsenic trt	8/30/2007	\$500,000.00
7192-01	Lapeer Co	Almont	New elev tank, upgrd boost sta, repl mains	8/30/2007	\$2,090,000.00
7214-01	Monroe Co	Exeter Twp	Water main ext	8/30/2007	\$3,360,000.00
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
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
7247-01	YCUA	Washtenaw Co	Repl mains (Holmes Rd- Phase 2 - twp)	3/13/2008	\$1,290,000.00
7218-01	West Bloomfield T	Oakland Co	Phase 2: Repl mains, looping, PRVs	3/13/2008	\$7,975,000.00
7151-01	Lansing Twp	Ingham Co	Rehab storage; looping (Phase 1)	6/5/2008	\$440,000.00
7248-01	Ypsilanti	Washtenaw Co	Repl mains (Armstrong Ct Public Housing)	6/5/2008	\$435,000.00
7254-01	West Bloomfield T	Oakland Co	Phase 2A: Repl mains, looping, PRVs	6/5/2008	\$790,000.00
7243-01	Perry	Shiawassee Co	WTP/well/mains	6/5/2008	\$1,645,000.00
7224-01	Peninsula Twp	Grand Traverse C	New strg; trans mains; prv/booster sta	6/5/2008	\$2,500,000.00
7217-01	Ferndale	Oakland Co	Repl mains	6/5/2008	\$1,670,000.00
7221-01	Port Huron	St Clair Co	Repl mains - Woodstock Phase IV/V	6/5/2008	\$495,000.00
7234-01	Hancock	Houghton Co	Repl trans/dist mains; 2nd conn; looping	6/5/2008	\$3,665,000.00
7239-01	Ravenna	Muskegon Co	Phase 1 - WTP/well	8/29/2008	\$1,340,000.00
7240-01	Detroit	Wayne Co	Repl mains	8/29/2008	\$6,500,000.00
7242-01	Milford	Oakland Co	Iron removal; Repl/Extend mains	8/29/2008	\$1,580,000.00
7225-01	Wexford Co	Cedar Creek Twp	New PWS (well; distribution)	8/29/2008	\$5,570,000.00
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
7250-01	Stockbridge	Ingham Co	Repl mains/looping (Phase 2)	8/29/2008	\$530,000.00
7262-01	Benton Harbor	Berrien Co	Water sys impr (Phase 1)	3/27/2009	\$1,630,000.00
7275-01	Port Huron	St Clair Co	Repl mains (21st St, Phase 1)	3/27/2009	\$4,395,000.00
7263-01	YCUA	Washtenaw Co	Repl mains (N. Hewitt Rd.)	6/5/2009	\$600,000.00
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
7258-01	Howell	Livingston Co	Repl mains/WTP repair/ strg tank repair (Phase 1)	6/5/2009	\$5,295,000.00



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7276-01	Port Huron	St Clair Co	Repl mains (Stone St, Phase 2)	6/5/2009	\$280,000.00
7252-01	Lansing Twp	Ingham Co	Repl mains (Phase 2)	6/5/2009	\$1,060,000.00
7249-01	Ypsilanti	Washtenaw Co	Repl mains (Mansfield St)	6/5/2009	\$260,000.00
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
7307-01	Pontiac	Oakland Co	Booster station impr	12/21/2009	\$3,425,000.00
7284-01	Marquette	Marquette Co	Water sys impr (Phase 1)	12/21/2009	\$960,000.00
7286-01	St Joseph	Berrien Co	WTP upgrade (filters/generator)	12/21/2009	\$2,155,000.00
7287-01	Greenville	Montcalm Co	Well impr; SCADA; repl/loop mains	12/21/2009	\$1,200,000.00
7288-01	White Lake Twp	Oakland Co	Trans imp; Interconnect	12/21/2009	\$1,920,000.00
7289-01	Pittsfield Twp	Washtenaw Co	Repl mains; trans imp	12/21/2009	\$7,845,000.00
7283-01	Lawton	Van Buren Co	New well/strg tank/upgrd meters;repl mains/looping	12/21/2009	\$3,240,000.00
7293-01	Dexter	Washtenaw Co	New well; chem feed bldg; trans main	12/21/2009	\$2,160,000.00
7304-01	Berrien Co	New Buffalo	WTP impr; repl mains	12/21/2009	\$2,660,000.00
7319-01	Ann Arbor	Washtenaw Co	Repl mains, WTP upgrd, main ext	12/21/2009	\$7,625,000.00
7255-01	Buchanan	Berrien Co	New well/trans/cont bldg/strg; meter upgrd w/ cent read sys	12/21/2009	\$3,105,000.00
7292-01	Gladwin	Gladwin Co	Strg tank; abandon booster sta/wells/grd strg; mod well	12/21/2009	\$1,645,000.00
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
7241-01	Deerfield	Lenawee Co	Upgrd WTP	12/21/2009	\$1,750,000.00
7260-01	New Haven	Macomb Co	Repl mains; strg imp	12/21/2009	\$5,295,000.00
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
7325-01	Ann Arbor	Washtenaw Co	Repl mains, WTP imp	3/11/2011	\$735,000.00
7346-01	Grand Rapids	Kent Co	Water Sys Impr (LMFP VFD;S. Walker)	3/11/2011	\$1,500,000.00
7278-01	Plainfield Twp	Kent Co	Filter/trans impr; repl mains/looping	3/11/2011	\$7,750,000.00
7360-01	Manistee	Manistee Co	Repl mains; well impr (Phase 2)	3/11/2011	\$535,000.00
7340-01	Genesee Co	Genesee Co	Phase 1 trans mains	3/11/2011	\$1,105,000.00
7361-01	Allegan	Allegan Co	Repl mains; river crossing (Phase 2)	3/11/2011	\$725,000.00

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7363-01	Marquette	Marquette Co	Repl mains; WTP impr	6/3/2011	\$965,000.00
7364-01	Grand Rapids	Kent Co	Water Sys Impr (Dean Lake)	6/3/2011	\$960,000.00
7350-01	Three Rivers	St Joseph Co	WTP impr; main repl/looping	6/3/2011	\$2,665,000.00
7338-01	Cadillac	Wexford Co	New wells/main	8/26/2011	\$2,925,000.00
7365-01	Grand Rapids	Kent Co	Water Sys Impr (SE Tank)	8/26/2011	\$3,460,000.00
7269-01	Howell	Livingston Co	Repl mains (Phase 3)	8/26/2011	\$2,655,000.00
7333-01	Ann Arbor	Washtenaw Co	Water sys imp (Phase 3)	8/26/2011	\$6,605,000.00
7282-01	Holland	Ottawa Co	Interconnect; new transfer pump	8/26/2011	\$7,090,000.00
7294-01	Dexter	Washtenaw Co	WM Repl	8/26/2011	\$1,550,000.00
7373-01	Allegan	Allegan Co	Repl mains - Ph 3 (Monroe St)	3/12/2012	\$165,000.00
7313-01	Monroe Co	Exeter Twp	New WM service (District 4-B)	6/4/2012	\$2,360,000.00
7367-01	Leslie	Ingham Co	Water sys impr (Phase 1)	6/4/2012	\$2,000,000.00
7374-01	Grand Rapids	Kent Co	Water sys impr	8/27/2012	\$4,380,000.00
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
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
7281-01	Kentwood	Kent Co	New trans; repl mains; looping	8/26/2013	\$6,250,000.00
7380-01	Bay Co	Bay City	Installation of membrane wtp; trans wm; storage tank, assoc	8/26/2013	\$12,000,000.00
7375-01	Ann Arbor	Washtenaw Co	Barton Dam PS Electrical Upgrd	8/26/2013	\$3,025,000.00
7376-01	Beecher Metro Dis	Genesee Co	WM Repl, Strg	8/26/2013	\$3,000,000.00
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
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
7355-01	Livonia	Wayne Co	Phase 1 WM repl; PRV	6/3/2014	\$3,775,000.00
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
7335-01	Oakland Co	Pontiac	Trans main looping;WM repl	8/26/2014	\$6,890,000.00
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

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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
7394-01	Grand Rapids	Kent Co	Concrete restor at filter cells; resv pump replac	8/26/2014	\$3,545,000.00
7380-03	Bay Co	Bay City	Membrane WTP, Trans WM-segment 3	11/19/2014	\$7,000,000.00
7407-01	Grand Rapids	Kent Co	PS and WM improv	3/13/2015	\$10,000,000.00
7396-01	Northport	Leelanau	New well, SCADA, watermain imp	3/13/2015	\$800,000.00
7406-01	Oakland Co	Pontiac	Water main repl, meter repl, Phase 1	6/3/2015	\$6,850,000.00
7320-01	YCUA	Washtenaw Co	Repl mains (E. Michigan Ave)	6/3/2015	\$450,000.00
7356-01	Livonia	Wayne Co	Phase 2 WM Repl	6/3/2015	\$9,050,000.00
7397-01	Burton	Genesee Co	WM, Looping, Water tank improvements, SCADA	6/3/2015	\$5,000,000.00
7401-01	Manchester	Washtenaw Co	Water main replacements and improvements	6/3/2015	\$1,080,000.00
7393-01	Bay City	Bay Co	Capital Improvement Prog, watermain, storage tank, telemetry	6/3/2015	\$4,315,000.00
7341-01	Genesee Co	Genesee Co	WM Repl	8/26/2015	\$1,315,000.00
7406-02	Oakland Co	Pontiac	Water meter installation	8/26/2015	\$720,000.00
7402-01	Loch Alpine Sanit	Washtenaw Co	Water main replacements	8/26/2015	\$1,830,000.00
7398-01	Burton	Genesee Co	Watermain Replacement - Phase 3	3/14/2016	\$4,030,000.00
7411-01	Grand Rapids	Kent Co.	Tank repairs	3/14/2016	\$2,830,000.00
7405-01	Genesee Co Drain	Genesee Co	Metering Project	6/1/2016	\$6,430,000.00
7413-01	GLWA	DWSD	Watermain replacement	8/24/2016	\$5,180,000.00
7408-01	Oakland Co	Pontiac	Meter replacement (Phase 2)	8/24/2016	\$5,165,000.00
7410-01	Loch Alpine Sanit	Washtenaw Co	Watermain improvement (Phase 2)	8/24/2016	\$1,655,000.00
7412-01	GLWA	DWSD	Watermain replacement	8/24/2016	\$10,605,000.00
Total Binding Comm. Amount for 284 projects:					<b>\$893,025,000.00</b>

## **Drinking Water Revolving Fund (DWRF) Project Summaries for Fiscal Year 2016**

### **City of Burton 7398-01**

#### **Drinking Water System Improvements**

Town Served: City of Burton  
DWRF-Funded Amount: \$4,030,000  
Engineer: Stantec Consulting Michigan, Inc.  
Contractor: Salenbien Trucking and Excavating, Inc.

This project is designed to advance water quality, pressure, reliability, and redundancy as well as to address system components that have exceeded or are at the end of their recommended useful design lives by installing new water main and replacing existing water mains and valves.

### **County of Genesee 7405-01**

#### **Drinking Water Metering System Improvements**

Towns Served: 19 communities in Genesee County  
DWRF-Funded Amount: \$6,430,000  
Engineer: Potter Consulting  
Contractors: Vanguard and Etna Supply

This project is designed to improve energy and water efficiency by replacing the current manual-read metering system with a radio-read metering system, including the installation of five new base stations.

### **County of Oakland 7408-01**

#### **Residential Meter Replacement and Fixed Based Metering Installation**

Town Served: City of Pontiac  
DWRF-Funded Amount: \$5,165,000  
Engineer: Johnson and Anderson  
Contractor: Vanguard Utility Service

This project includes the installation and replacement of 11,428 residential water meters and an upgrade to a fixed base advanced metering infrastructure reading system, which will result in more accurate and efficient meters that will save the system money and time.

### **Loch Alpine Sanitary Authority of Webster and Scio Townships 7410-01**

#### **Water Main Replacement**

Towns Served: City of Ann Arbor, Webster Township, and Scio Township  
DWRF-Funded Amount: \$1,655,000  
Engineer: Process Results  
Contractor: Lawrence M. Clarke, Inc.

This project will reduce the amount of water main breaks in the system by replacing 9,900 lineal feet of existing cast iron water main with larger-diameter polyvinyl chloride water main.

**City of Grand Rapids 7411-01  
North Walker Tank**

Town Served: City of Walker  
DWRP-Funded Amount: \$2,830,000  
Engineer: Fishbeck, Thompson, Carr & Huber  
Contractor: Maguire Iron

The project involves construction of a 500,000-gallon elevated storage tank and associated 16-inch-diameter water main to maintain system reliability and reduce energy consumption in the North Walker Pressure District.

**Great Lakes Water Authority 7412-01  
Water Main Improvements**

Town Served: City of Detroit  
DWRP-Funded Amount: \$10,605,000  
Engineer: Consulting Engineering Associates  
Contractor: Lakeshore Global Corporation

The project consists of water main replacements in the city of Detroit due to old age and disrepair.

**Great Lakes Water Authority 7413-01  
Water Main Improvements**

Town Served: City of Detroit  
DWRP-Funded Amount: \$5,180,000  
Engineer: Consulting Engineering Associates  
Contractor: Imperial Construction Company

The project consists of water main replacements in the city of Detroit due to old age and disrepair.

**DE** Drinking Water Revolving Fund Funded Projects - Category Cost OOA Dollars

**DWRF**

Project No	Applicant	Trans & Dist	Treatment	Storage	Source	Other	Bind.Comm.Amt
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

Project No	Applicant	Trans & Dist	Treatment	Storage	Source	Other	Bind.Comm.Amt
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
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

Project No	Applicant	Trans & Dist	Treatment	Storage	Source	Other	Bind.Comm.Amt
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
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



Project No	Applicant	Trans & Dist	Treatment	Storage	Source	Other	Bind.Comm.Amt
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
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

Project No	Applicant	Trans & Dist	Treatment	Storage	Source	Other	Bind.Comm.Amt
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
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	Ubly	\$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

Project No	Applicant	Trans & Dist	Treatment	Storage	Source	Other	Bind.Comm.Amt
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
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

Project No	Applicant	Trans & Dist	Treatment	Storage	Source	Other	Bind.Comm.Amt
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
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

Project No	Applicant	Trans & Dist	Treatment	Storage	Source	Other	Bind.Comm.Amt
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
7320-01	YCUA	\$450,000	\$0	\$0	\$0	\$0	\$450,000
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
7341-01	Genesee Co	\$1,315,000	\$0	\$0	\$0	\$0	\$1,315,000
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
7356-01	Livonia	\$9,050,000	\$0	\$0	\$0	\$0	\$9,050,000
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
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	\$0	\$0	\$330,000	\$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
7380-03	Bay Co	\$980,000	\$4,970,000	\$1,050,000	\$0	\$0	\$7,000,000
7381-01	Grand Rapids	\$0	\$0	\$0	\$0	\$770,000	\$770,000

Project No	Applicant	Trans & Dist	Treatment	Storage	Source	Other	Bind.Comm.Amt
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
7393-01	Bay City	\$3,334,318	\$0	\$980,682	\$0	\$0	\$4,315,000
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
7396-01	Northport	\$291,497	\$0	\$0	\$508,503	\$0	\$800,000
7397-01	Burton	\$5,000,000	\$0	\$0	\$0	\$0	\$5,000,000
7398-01	Burton	\$4,030,000	\$0	\$0	\$0	\$0	\$4,030,000
7401-01	Manchester	\$1,080,000	\$0	\$0	\$0	\$0	\$1,080,000
7402-01	Loch Alpine Sanitary Authority	\$1,830,000	\$0	\$0	\$0	\$0	\$1,830,000
7405-01	Genesee Co Drain Commissioner	\$0	\$0	\$0	\$0	\$6,430,000	\$6,430,000
7406-01	Oakland Co	\$4,682,194	\$0	\$0	\$0	\$2,167,806	\$6,850,000
7406-02	Oakland Co	\$0	\$0	\$0	\$0	\$720,000	\$720,000
7407-01	Grand Rapids	\$8,824,745	\$0	\$0	\$0	\$1,175,255	\$10,000,000
7408-01	Oakland Co	\$5,165,000	\$0	\$0	\$0	\$0	\$5,165,000
7410-01	Loch Alpine Sanitary Authority	\$1,655,000	\$0	\$0	\$0	\$0	\$1,655,000
7411-01	Grand Rapids	\$0	\$0	\$2,830,000	\$0	\$0	\$2,830,000
7412-01	GLWA	\$10,605,000	\$0	\$0	\$0	\$0	\$10,605,000
7413-01	GLWA	\$5,180,000	\$0	\$0	\$0	\$0	\$5,180,000
Total OOA Category Costs for 284 projects:		\$487,155,977	\$237,193,692	\$80,076,364	\$46,904,448	\$41,694,519	\$893,025,000

Michigan Department of Environmental Quality  
 FY 2016 Drinking Water Revolving Fund  
 Small Community Report

Project No.	Loanee	Location	Description	Loan Amt.	OOA Date	Population
7410-01	Loch Alpine Sanitary Authority	Washtenaw Co	Water main replacements	\$1,655,000	24-Aug-16	1,445

**1 # of projects**

**\$1,655,000**

DWRF

Drinking Water Revolving Fund Current PPL  
Fiscal Year 2016 Project Priority List - By Rank

DWRF

Project No.	Loanee	Location	Description	Population	Actual Loan Date	Actual Loan Amount	Notice to Proceed Date	Estimated Loan Amount
7411-01	Grand Rapids	Kent Co.	Tank repairs	296,973	3/14/2016	\$ 2,830,000	12/21/2015	
7398-01	Burton	Genesee Co	Watermain Replacement - Phase 3	29,999	3/14/2016	\$ 4,030,000	6/1/2016	
7408-01	Oakland Co	Pontiac	Watermain Repl Meter Repl Phase 2	59,248	8/24/2016	\$ 5,165,000	11/14/2016	
7413-01	Detroit	DWSD	Watermain Replacement	648,350	8/24/2016	\$ 5,180,000	8/1/2016	
7412-01	Detroit	DWSD	Watermain Replacement	648,350	8/24/2016	\$ 10,605,000	9/6/2016	
7410-01	Loch Alpine Sanitary Authority	Washtenaw Cou	Watermain Improvement Phase 2	1,445	8/24/2016	\$ 1,655,000	9/22/2016	
7405-01	Genesee Co Drain Commissioner	Genesee Co	Metering Project	145,100	6/1/2016	\$ 6,430,000	7/25/2016	
<b>7</b>	<b>number of projects provided a loan</b>					<b>\$ 35,895,000</b>		<b>\$ -</b>

The table above shows how projects appeared on the Project Priority List.



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 Amts</u>	<u>PF Amts</u>
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	-	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
7376-01	Beecher Metro	8/26/2013	3,000,000	2,090,082	1,530,000	495,298	-	495,298
7407-01	Grand Rapids	3/13/2015	10,000,000	1,175,000	29,819	29,819	-	29,819
			73,895,000	15,371,489	12,926,973	14,503,490	8,245,200	12,892,918

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

Project #	Loanee	OOA Date	OOA Amt	GPR Amt	Principal Forgiveness on GPR Amt	Amt to be funded with 2011 cap grant	<u>GPR Amts</u>	<u>PF Amts</u>
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 GPR Amt	Amt to be funded with 2012 cap grant	<u>GPR Amts</u>	<u>PF Amts</u>
7376-01	Beecher Metro	8/26/2013	3,000,000	2,090,082	765,000	765,000	-	765,000
7377-01	Waterford	6/3/2013	11,415,000	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
			26,415,000	25,490,082	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 GPR Amt	Amt to be funded with 2013 cap grant	<u>GPR Amts</u>	<u>PF Amts</u>
7376-01	Beecher Metro	8/26/2013	3,000,000	2,090,082	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
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
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
7396-01	Northport	3/13/2015	800,000	314,347	104,750	104,750	-	104,750
7407-01	Grand Rapids	3/13/2015	10,000,000	1,175,000	39,423	39,423	-	39,423
			37,710,000	9,161,192	6,537,423	5,277,125	-	5,140,325

Michigan Department of Environmental Quality  
Allocation of 2014 Drinking Water Capitalization Grant

Project #	Loanee	OOA Date	OOA Amt	GPR Amt	Principal Forgiveness on GPR Amt	Amt to be funded with 2014 cap grant	<u>GPR Amts</u>	<u>PF Amts</u>
7341-01	Genesee Co	8/26/2015	1,315,000	1,315,000	265,000	265,000	-	265,000
7356-01	Livonia	6/3/2015	9,050,000	9,050,000	1,945,585	1,945,585	-	1,945,585
7397-01	Burton	6/3/2015	5,000,000	4,934,000	1,013,563	1,013,563	-	1,013,563
7401-01	Manchester	6/3/2015	1,080,000	1,080,000	275,000	275,000	-	275,000
7406-01	Pontiac/Oakland	6/3/2015	6,850,000	6,850,000	1,762,500	1,762,500	-	1,762,500
7407-01	Grand Rapids	3/13/2015	10,000,000	1,175,000	259,250	190,008	-	190,008
7411-01	Grand Rapids	3/14/2016	2,830,000	2,830,000	54,344	54,344	-	54,344
			36,125,000	27,234,000	5,575,242	5,506,000	-	5,506,000

Michigan Department of Environmental Quality  
Allocation of 2015 Drinking Water Capitalization Grant

Project #	Loanee	OOA Date	OOA Amt	GPR Amt	Principal Forgiveness on GPR Amt	Amt to be funded with 2015 cap grant	<b>GPR Amts</b>	<b>PF Amts</b>
7398-01	Burton	3/14/2016	4,030,000	3,807,431	500,000	500,000	-	500,000
7405-01	Genesee Co	6/1/2016	6,430,000	6,430,000	750,000	750,000	-	750,000
7408-01	Oakland County	8/24/2016	5,165,000	5,165,000	1,000,000	1,000,000	-	1,000,000
7410-01	Loch Alpine	8/24/2016	1,655,000	1,655,000	250,000	250,000	-	250,000
7411-01	Grand Rapids	3/14/2016	2,830,000	2,830,000	500,000	445,656	-	445,656
7412-01	GLWA	8/24/2016	10,605,000	10,605,000	1,000,000	1,000,000	-	1,000,000
7413-01	GLWA	8/24/2016	5,180,000	5,180,000	1,000,000	1,000,000	-	1,000,000
			<b>35,895,000</b>	<b>35,672,431</b>	<b>5,000,000</b>	<b>4,945,656</b>	<b>-</b>	<b>4,945,656</b>