

ADDENDUM TO ECONOMIC IMPACT ANALYSIS

STATEWIDE ECONOMIC IMPACTS

APRIL 24, 2015

Following US EPA's review of the draft Economic Impact Analysis (the "Report") presented to the Wisconsin Department of Administration in January 2015, US EPA asked Sycamore Advisors, UMass and ARCADIS to (1) change certain core assumptions utilized in the Report, and (2) provide additional simulations and modeling through REMI to illustrate the projected effects of the new assumptions on Wisconsin's economy. US EPA also provided comments and suggestions for the assumptions utilized in the Report, and those comments are reflected in the Final Economic Impact Analysis Report dated April 24, 2015. This Addendum should be read in tandem with the Final Economic Impact Analysis Report, recognizing that each use different underlying assumptions.

US EPA requested the following changes in assumptions for this Addendum:

- 1. Changes to Interest Rate Assumptions.** The Report assumed a borrowing rate for each class of potential borrowers, including municipal and different industrial borrowers. Interest rate assumptions are important because the Report assumes that most of the capital infrastructure required to meet the new phosphorus regulations will need to be borrowed over the next few years, largely in 2016 and 2017. Interest rate assumptions used in the Report and in this Addendum were developed considering historical rate data for municipal and industry sectors, relevant rating agency ratings, Wisconsin's Environmental Improvement Fund interest rates and capacity, and expert industry opinion on interest rate projections over the next several years. US EPA did not provide specific interest rate assumptions for this Addendum but commented that they believe the borrowing rates used in the Report were too high. New assumptions were used for this Addendum where they could be justified by the data, and the new rates are identified below. A memorandum to the Wisconsin Department of Administration explaining the development of the interest rate assumptions and the changes in assumptions from those used in the Report is attached to this Addendum for reference.
- 2. Revised Sensitivity Analysis.** US EPA asked that the assumptions used for the sensitivity analysis be adjusted to reflect the possibility of considerably lower capital costs. The Report estimated the effects on Wisconsin's economy if the costs to achieve compliance with the new phosphorus standards were 10 percent lower or 25 percent higher than those projected. This Addendum estimates the effects on Wisconsin's economy if the costs to achieve compliance with the new phosphorus standards are **25 percent higher or lower** than projected. Using the same cost data as the Changes to

Interest Rate Assumption simulation, a sensitivity analysis was conducted to estimate effects on the Wisconsin economy if water compliance costs end up being 25% higher or lower than estimated.

3. **Economic Impacts with Upstream Offsets.** US EPA's comments (and their consultant's comments) on the Report suggest that they did not believe the REMI simulations adequately considered the impact of potential benefits for the Wisconsin economy as businesses and municipalities spend money purchasing and installing industrial equipment, chemicals, etc., as well as construction costs required to meet the stricter water quality standards. Recognizing in-state construction employment and the fact that that some of the required equipment and materials will likely be sourced from within the state of Wisconsin, a new economic impact simulation was conducted through REMI. This economic impact represents an estimate of the "offset" to the increased costs of doing business for affected Wisconsin industries and the increases in costs passed on to the customers of Wisconsin's municipal water treatment facilities.
4. **Consideration of Residential Share Data.** The Report contains an analysis of counties that would be hardest hit by the new phosphorus regulations. The Report analysis utilized an Affordability Indicator focused on all affected utility customers and highlighted counties where costs per customer would be above US EPA's 2% of MHI threshold for substantial impact. US EPA requested that consideration be given to Residential Share, the proportion of a municipality's compliance costs which would arguably be borne by residential customers as a result of a rate increase

ECONOMIC IMPACTS OF CHANGES TO INTEREST RATE ASSUMPTIONS

While the estimated capital and operations and maintenance (O&M) costs shown in Table 1 (below) are the same as those utilized in the Report, new interest rate assumptions have been applied to the capital costs. The following new interest rate assumptions were used in REMI simulations to produce the data below:

- The borrowing rate available to municipal utilities was lowered from 5.5% (used in the Report) to 4.8%. This is a weighted blend of a projected forward interest rate for subsidized EIF (state SRF) loans of 2.87% and an open market borrowing cost for Wisconsin POTWs of 5.02% -- reflective of the fact that over ½ of Wisconsin's municipal utilities are not rated by the credit rating agencies.
- The interest rate for the paper industry increased from 7% (used in the Report) to 7.5%, as a result of further evaluation of the credit ratings of Wisconsin's paper companies, many of which are 'junk' bond credits and would be unable to access credit at a lower rate.

- The interest rate projected to be available to power companies - initially 7% in the Report - was reduced to 5.5%, based on an evaluation of published credit reports for Wisconsin’s power utilities and historic borrowing rates for these low A-rated to mid-BBB rated utilities.
- The interest rate for all other industries decreased from 7% in the Report to 6.8%, which used the same data series (“H-15”) published by the Federal Reserve Board, but was updated to include January to April 2015 interest rate data.

The general lowering of interest rates reduced the estimated financing costs, and thus the total and annual capital costs after financing. Table 1-1 illustrates the changes to both industry and municipality costs using the four different interest rate assumptions above. With the new interest rate assumptions, the Annual Capital Cost with Financing cost is estimated to be \$291.6 million in Table 1-, compared to \$302.9 million in the Report.

Table 1-1: Total Cost to Industry and Municipalities

Cost	Amount
Capital Cost (Millions)	\$3,449.8
Capital Cost after Interest (Millions)	\$5,831.1
Annual Capital Cost with Financing	\$291.6
Annual O&M Costs (Millions)	\$405.4
Total Annual Cost	\$696.9

Source: Compliance costs and interest rate assumptions developed for the Report.

The economic impacts of these revised cost estimates due to new interest rate assumptions results in the impacts shown in Table 1-2. (This simulation and all others in the Addendum were run with all industries, together, in a single REMI simulation.) With lower financing costs, the overall statewide impacts are projected to be slightly lower than those projected in the Report:

- the 2025 jobs impact improved from a loss of 4,517 (presented in the Report) to a loss of 4,442 jobs with the revised interest rates; and
- the loss in 2025 gross state product –improved slightly, from \$616.6 million in the Report to -\$604.2 million with the revised interest rates.

Table 1-2: Statewide Economic Impacts with Revised Interest Rates, 2017 and 2025

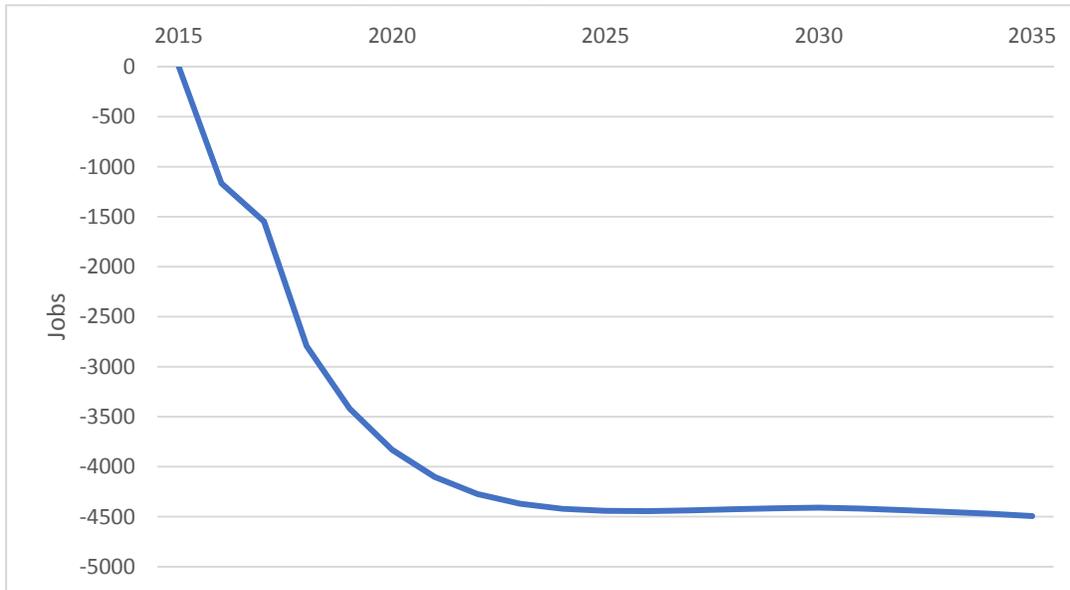
Economic Impacts	2017	2025
Total Employment (Jobs)	-1,548	-4,442
Gross State Product (Millions of Fixed 2014 Dollars)	-169.4	-\$604.2
Total Wages (Millions of Fixed 2014 Dollars)	-\$65.7	-\$234.8
Population (Individuals)	-1,954	-10,711

Source: Regional Economic Models, Inc., as calculated by the University of Massachusetts Donahue Institute.

Incorporating the new lower interest rate assumptions, the total statewide economic impacts for 2025 result in a reduction of 4,442 jobs, losses of \$234.8 million in wages, and a reduction of

\$604.2 million in gross state product (see Table 1-2). This is compared to what would be projected for the Wisconsin economy without the additional costs associated with complying with the State’s water quality regulations for phosphorus. For context, the Wisconsin gross state product (GSP) is expected to be \$397 Billion in 2025 (in constant 2014 dollars), with a statewide economy employing 3.8 million people. The water quality regulation is also expected to result in 10,711 fewer Wisconsin residents in 2025 due to these sustained economic costs from the new phosphorus regulations.

Figure 1-1: Statewide Employment Impacts with Revised Interest Rates



Source: Regional Economic Models, Inc., as calculated by the University of Massachusetts Donahue Institute.

The employment impacts of the water compliance regulations associated with Wisconsin’s water quality regulations for phosphorus are shown in Figure 1-1. Job losses are greatest during the 2016-2020 period, level out by 2025 and then remain roughly steady through 2035. By 2025, the REMI simulations project a reduction of 4,442 jobs. Due to the multiplier effects of the higher costs associated with the phosphorus effluent regulations and how that reverberates through the Wisconsin economy, the construction industry absorbs the largest loss in jobs (-795) in 2025 (see Table 1-3). Similarly, reductions in income and population will also translate to fewer jobs in the service sector, including in retail trade (-432) and food services/drinking places (-301), and real estate (-163). In addition to these impacts lowering industry production, available disposable income, and population levels the water regulations reduce the impetus for construction which also affects intermediate suppliers to the directly affected industries.

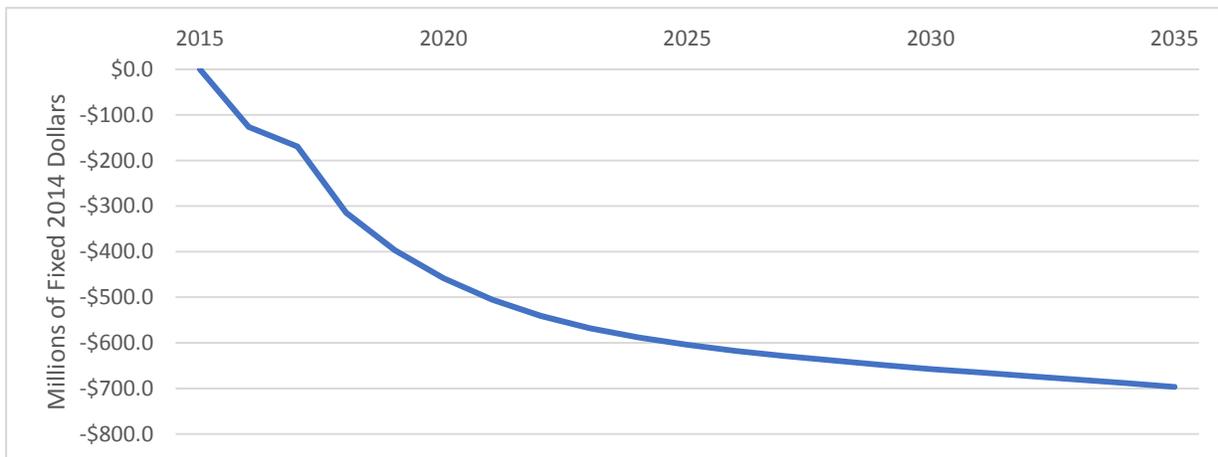
Table 1-3: Statewide Employment Impacts with Revised Interest Rates (Top 5 Industries by Jobs Lost)

Industry	2017	2025
Construction	-408	-795
Retail trade	-162	-432
Food services and drinking places	-61	-301
Pulp, paper, and paperboard mills	-15	-189
Real estate	-95	-163

Source: Regional Economic Models, Inc., as calculated by the University of Massachusetts Donahue Institute.

The increase in industry expenses and consumer expenses due to water quality compliance will circulate through the Wisconsin economy and result in lower gross state product (“GSP” – the value of goods produced in the state). The decline in GSP (see Figure 1-2) is gradual through 2025 and is a result of industries reducing relative production levels in the state in response to higher costs and consumption declining as consumers and businesses have less money to spend. The overall effect is estimated to be a \$604.2 million reduction in Wisconsin GSP in 2025 compared to the levels that would have been expected without the increase in costs for water quality compliance. The annual loss in GSP (all in constant 2014 dollars) gradually becomes greater during the 2025-2035 period. By 2035, the reduction in Wisconsin GSP is estimated to approach \$700 million compared to what it would have been without the phosphorus regulations.

Figure 1-2: Statewide Gross State Product Impacts



Source: Regional Economic Models, Inc., as calculated by the University of Massachusetts Donahue Institute.

ECONOMIC IMPACTS OF REVISED SENSITIVITY ANALYSIS

The cost of water compliance to Wisconsin’s industries is subject to some fluctuation due to economic factors such as the market price of the required equipment, chemicals, and labor, the costs of financing, and other factors. To understand how these uncertainties might affect the overall

impact of water compliance in Wisconsin, the analysis for the Report included a sensitivity analysis, evaluating the impact of costs that were 10 percent lower and 25 percent higher than the cost estimates. At US EPA's request, two additional REMI simulations were run reflecting a revised sensitivity analysis with costs of compliance 25 percent *lower* and 25 percent higher than the cost estimates.

The REMI analyses, both for the lower and higher cost scenarios, indicate that the impacts to Wisconsin's employment and gross state product are expected to roughly scale with changes in the cost of compliance. That is, a 25 percent increase in the cost of water compliance should be accompanied by a roughly 25 percent increase in the magnitude of the impacts to employment or gross state product. Conversely, a 25 percent decrease in the cost would correspond approximately to a 25 percent decrease in the impact magnitudes. This is borne out by the results shown in Table 1-4, which illustrates the high and low impacts based on increasing or lowering the respective industry costs of water quality compliance, compared to the original (all of which incorporate the revised interest rate assumptions).

Table 1-4: Sensitivity Analysis of Lower (-25%) and Higher (+25%) Compliance Costs

Scenario	Jobs		Gross State Product (millions)	
	2017	2025	2017	2025
Low (-25%)	-1,163	-3,341	-\$127.3	-\$454.6
Original	-1,548	-4,442	-\$169.4	-\$604.2
High (+25%)	-1,935	-5,536	-\$211.6	-\$752.8

Source: Regional Economic Models, Inc., as calculated by the University of Massachusetts Donahue Institute.

Assuming 25% lower compliance costs, and including the change in lower interest rate assumptions, the 2025 impact to the State's GSP is a loss of \$454.6 million, with a loss of 3,341 jobs.

ECONOMIC IMPACTS WITH UPSTREAM OFFSETS

The Economic Impacts with Offsets analysis includes: (1) the increase in costs accruing to industry and municipalities to meet the water regulations; and (2) the new economic activity projected to be generated in Wisconsin as industries and municipalities increase their spending on construction, industrial equipment, chemicals, etc. to comply with the stricter water quality regulations.. The Report and the Addendum analysis above (with revised interest rates) address item 1, demonstrating the effects on the Wisconsin economy as industry and municipalities confront the higher costs of the water regulations. The offset analysis takes this a step further, combining the potentially negative effects of the higher costs with the offsetting positive economic gains for Wisconsin businesses that can help install, maintain and provide products/services in support of water compliance efforts, addressing item 2.

Using the same cost data as shown above (Table 1-1), the costs are converted into spending categories for the offset analysis. On the upfront capital side, to install equipment and systems to

meet compliance, spending is allocated to a mix of new industrial equipment, construction, and engineering and architectural services. For the on-going operations and maintenance activity of these systems, spending is allocated to a mix of utilities (power), goods (alum, polymer) and services (hauling and disposal, maintenance, and additional onsite labor) that will be required to stay in compliance with the water regulation. Since a portion of these goods and services will be supplied by businesses and workers in Wisconsin, this spending will generate economic activity in the state. The overall economic activity from spending, however, will be limited by the fact that a share of the goods and services required for water compliance will be supplied from outside Wisconsin. Interest on capital is also greater than the initial capital expenditures for water quality compliance and remains a long-term cost to Wisconsin businesses and municipalities that is not offset by new economic activity.

A multi-step process was used to translate the spending on water compliance into REMI inputs. Based on detailed capital and O&M cost tables for Wisconsin facilities, total spending by expenditure component was aggregated across all of the facilities (see Table 2-1). The next step was to estimate the percentage of the money spent that would go to businesses and individuals within Wisconsin and thereby have an impact on the state economy. These spending percentages, called the regional purchase coefficients (RPCs), were sourced primarily from the REMI model's estimations for Wisconsin. In two cases, equipment and alum, the RPCs were modified to reflect ARCADIS' expertise in suppliers. ARCADIS had estimated RPCs substantially lower than those given by the REMI model for industrial equipment. The types of equipment that will be purchased by industry and municipalities for water quality compliance is very specialized with a limited Wisconsin supplier base thus justifying the lowering of the RPC. Alum, on the other hand, is an inorganic chemical that is produced in Wisconsin. The REMI model assumes a low level of regional purchasing of inorganic chemicals (a broader industry classification that covers alum) in Wisconsin. But given that alum is simple to produce and there are local suppliers in Wisconsin, a higher RPC than that embedded within the REMI model was selected for the analysis. For both equipment and alum, ARCADIS estimated an RPC between 15 and 20 percent, and a midpoint of 17.5 percent was used to estimate the spending levels to be used as inputs for the REMI economic simulations.

Table 2-1: Statewide Economic Impacts with Upstream Offsets, 2017 and 2025

Component	Cost to Industry and Municipalities	Regional Purchase Coefficient	Wisconsin Expenditure
Equipment	\$1,207.4	17.5%	\$211.3
Construction	\$1,724.9	93.7%	\$1,616.2
Engineering	\$517.5	66.6%	\$344.6
Polymer	\$75.7	6.3%	\$4.8
Power	\$7.8	89.9%	\$7.0
Alum	\$228.3	17.5%	\$39.9
Hauling and Disposal	\$33.9	54.3%	\$18.4
Maintenance	\$23.0	63.3%	\$14.6
Additional Labor	\$36.7	100%	\$36.7

Source: Compliance costs and interest rate assumptions developed for this report, Regional Economic Models, Inc., as calculated by the University of Massachusetts Donahue Institute

The expenditures, by component, were then entered into the REMI model. Expenditures on capital costs (equipment, construction, and engineering) were assumed to occur in 2016 and 2017. Expenditures on O&M (polymer, power, alum, hauling and disposal, maintenance, and additional labor) were assumed to begin in 2018 and occur on an annual basis thereafter through the 2035 forecast period.

Table 2-2 presents the economic impact results of incorporating the spending that will be required by Wisconsin’s businesses and municipalities to comply with the state’s water quality regulations for phosphorus. As can be seen in the following tables and figures, there is an initial stimulus to the Wisconsin economy as companies and municipalities spend on construction, engineering services, and industrial equipment to comply with the water quality regulation. In 2017, this spending is estimated to increase Wisconsin’s employment by 13,315 (above what it would be, otherwise, without the spending) and the Wisconsin GDP by over \$1 billion. For context, Wisconsin is projected to have a \$335 Billion economy in 2017 according to REMI’s baseline forecast. The construction industry, with an estimated jobs increase of 7,391 jobs, sees an appreciable short-term gain due to water compliance spending. The spike in economic activity also increases the state’s population by 4,085 in the near-term.

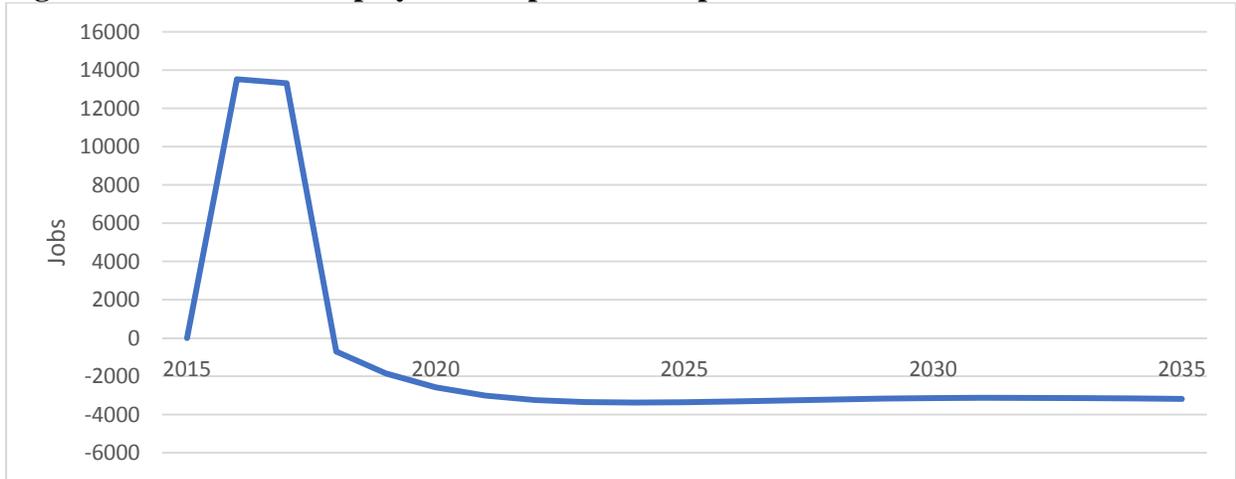
Table 2-2: Statewide Economic Impacts with Upstream Offsets, 2017 and 2025

Economic Impacts	2017	2025
Total Employment (Jobs)	13,315	-3,361
Gross State Product (Millions of Fixed 2014 Dollars)	\$1,011.2	-\$478.9
Total Wages (Millions of Fixed 2014 Dollars)	\$597.3	-\$184.1
Population (Individuals)	4,085	-7,545

Source: Regional Economic Models, Inc., as calculated by the University of Massachusetts Donahue Institute.

As can be seen in Tables 2-2 and 2-3 and Figures 2-1 and 2-2, the stimulative effects of the initial spending for water compliance do not endure. Once construction is completed and industrial equipment is purchased and installed, the costs of compliance (as shown in the Report and in the Economic Impacts of Revised Interest Rates simulation) begin to accrue to Wisconsin’s businesses and municipalities. Even with spending on O&M for chemicals, waste hauling, and polymer working to partially offset the higher costs, the economic impacts on the Wisconsin economy trend downward by 2025. Employment (see Figure 2-1) in 2025 is 3,361 below what it would have been with no stricter water quality standards for phosphorus, while the Wisconsin GDP (see Figure 2-2) is down by \$479 million. The magnitude of effects on both jobs and GDP stays fairly constant through 2035. The construction industry, which experienced a gain in jobs in 2017, sees a net negative impact of -882 jobs in 2025.

Figure 2-1: Statewide Employment Impacts with Upstream Offsets



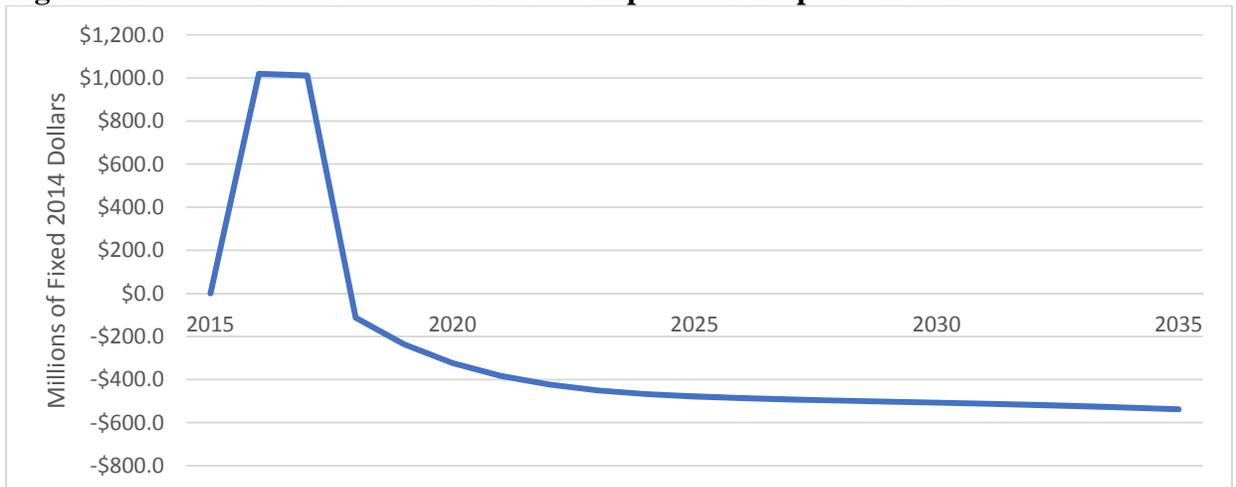
Source: Regional Economic Models, Inc., as calculated by the University of Massachusetts Donahue Institute.

Table 2-3: Statewide Employment Impacts with Upstream Offsets (Top 5 Industries by Net Jobs Lost)

Industry	2017	2025
Construction	7,391	-882
Retail trade	860	-371
Food services and drinking places	337	-223
Pulp, paper, and paperboard mills	-14	-189
Real estate	52	-148

Source: Regional Economic Models, Inc., as calculated by the University of Massachusetts Donahue Institute.

Figure 2-2: Statewide Gross State Product Impacts with Upstream Offsets



Source: Regional Economic Models, Inc., as calculated by the University of Massachusetts Donahue Institute.

In comparing the results of the Economic Impacts with Offsets analysis with the analyses purely based on costs (in the Report and the Economic Impacts with Revised Interest Rates analysis), the effects of the spending for water quality compliance can be clearly seen. In 2017, the offsets analysis projects a statewide gain of 13,315 jobs, while analysis without offsets shows a decline of 1,548 jobs. By 2025, with the capital spending completed, the offset analysis projects a decrease of 3,361 jobs compared to a decline of 4,442 jobs without the offset analysis. **This differential of approximately 1,000 jobs holds through the 2035 forecast period, essentially indicating that long-term O&M spending is estimated to offset the higher costs accruing to Wisconsin’s businesses and municipalities by almost 25 percent.**

A sensitivity analysis stemming from the Economic Impacts with Offsets REMI simulation by raising and lowering costs by +25% and -25% shows a similar scalar response (see Table 2-4) as the sensitivity analyses conducted for the Report and as the offset analysis in this Addendum.

Table 2-5: Sensitivity Analysis of Lower (-25%) and Higher (+25%) Compliance Costs for Offset Analysis

Scenario	Jobs		Gross State Product (millions)	
	2017	2025	2017	2025
Low (-25%)	9,986	-2,529	\$758.4	-\$360.5
Original	13,315	-3,361	\$1,011.2	-\$478.9
High (+25%)	16,645	-4,185	\$1,264.3	-\$596.2

Source: Regional Economic Models, Inc., as calculated by the University of Massachusetts Donahue Institute.

Table 2-4: Economic Impacts of Water Quality Compliance in Cumulative Job Years

Simulation	Cumulative Jobs Years, 2016-2035
Economic Impacts with Revised Interest Rates	-78,779
Economic Impacts with Offsets	-26,579

Source: Regional Economic Models, Inc., as calculated by the University of Massachusetts Donahue Institute.

CONSIDERATION OF RESIDENTIAL SHARE DATA

The Report analysis utilized an Affordability Indicator focused on all affected utility customers and highlighted counties where costs per customer would be above US EPA’s 2% of MHI threshold for substantial impact. This Cost per Customer analysis resulted in 42 counties with an Affordability Indicator of greater than 2% of MHI. US EPA subsequently asked for an analysis involving residential customers only to determine the Residential Share, using the revised interest rate assumptions for municipal entities.

A residential share analysis requires two different residential customer calculations. One, is the percentage of utility costs that should appropriately be allocated to residential customers. Two, is the number of residential customers as a percentage of the entire customer base. Because both of these numbers can vary dramatically by individual facility, the original Report used a total customer account because it required fewer estimations at statewide level.

For this analysis, site specific underlying data for both the number of residential customers and the percentage of residential revenue as a percentage of total utility revenue was gathered from the most recent annual reports (2013) filed by the respective municipal drinking water facilities with the Wisconsin Public Service Commission from the PSC's website, <http://www.psc.wi.gov> to determine the percentage share of municipal utility revenues derived from residential customers. This more comprehensive analysis of residential allowed a greater deal of specificity for residential share by utility. Each facility which files Annual Reports with PSC is categorized based on its relative size, with the larger facilities in the A/B category, the mid-sized facilities in the C category, and the smallest facilities in the D category. Utility specific data was pulled for a third of the facilities in each category (A/B, C and D), drawing information from page W-2 "Water Operating Revenues - Sales of Water" of the respective annual reports available from PSC. Calculations were developed for (1) residential share of metered sales in terms of percentage residential, and (2) percentage of overall sales that were attributed to residential. Annual reports for one hundred thirty-four (134) of 370+ facilities, or roughly 36% of POTWs for which data was available, were reviewed. The results are in the table below:

POTW Type	Residential Revenue Share	Residential Customer Count
AB	58.00%	89.00%
C	60.00%	86.00%
D	70.00%	86.00%

Below are two sample county worksheets – the first is from the analysis in the Report, and the second utilizes the Residential Share analysis discussed above. Using Bayfield County as an example for comparison, the Affordability Indicator was 3.62% under the Cost per Customer analysis in the Report; that percentage falls to 2.92% when the Residential Costs alone are considered. While lower, the second number is still well above US EPA's 2% of MHI threshold.

Cost per Customer Summary for Bayfield County

County	Bayfield	Projected Capital Cost for Phosphorus Removal for County	\$	3,344,044.23
100	Existing Operations and Maintenance Cost		\$	1,304,010.68
101	Existing Annual Debt Service		\$	85,312.25
102	Subtotal (100+101)		\$	1,389,322.93
	a) Inflation to the existing O & M Costs	\$ 39,120.32		
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 114,534.74		
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	153,655.06
104	Estimated Additional Annual Debt Service, plus cash funding		\$	633,277.91
105	Subtotal (103+104)		\$	786,932.97
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	2,176,255.91
107	Customer Share of the Costs (%*106)	100.00%	\$	2,176,255.91
108	Number of Customers			1550
109	Cost Per Customer (107/108)		\$	1,404.04
201	Current MHI		\$	37,811.83
202	Annual MHI Inflator			1.02662
203	Adjusted MHI (201*202)		\$	38,818.30
204	Annual Cost per Customer (line 109 above)		\$	1,404.04
205	Affordability Indicator (204/203)			3.62%

Cost per Residential Customer Summary for Bayfield County

County	Bayfield	Projected Capital Cost for Phosphorus Removal	\$	3,344,044.23
100	Existing Operations and Maintenance Cost		\$	1,304,010.68
101	Existing Annual Debt Service		\$	85,312.25
102	Subtotal (100+101)		\$	1,389,322.93
	a) Inflation to the existing O & M Costs	\$ 39,120.32		
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 114,534.74		
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	153,655.06
104	Estimated Additional Annual Debt Service, plus cash funding		\$	617,653.34
105	Subtotal (103+104)		\$	771,308.40
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	2,160,631.33
107	Residential Share of the Costs (%*106)	70.00%	\$	1,512,441.93
108	Number of Residential Customers			1333
109	Cost Per Residential Customer (107/108)		\$	1,134.62
201	Current MHI		\$	37,811.83
202	Annual MHI Inflator			1.02662
203	Adjusted MHI (201*202)		\$	38,818.30
204	Annual Cost per Residential Customer (line 109 above)		\$	1,134.62
205	Residential Indicator (204/203)			2.92%

Stated another way, by removing the commercial and industrial customers from the cost burden analysis, the Affordability Indicator is lowered from 3.62% to 2.92%. Because Residential Customers are a lower percent share of the total utility revenue stream than they are a percent of the total number of customers, you have a reduced percentage of the costs being allocated across a proportionately higher customer count. These calculations have been done for each county and are available for review in the materials attached to this Addendum. Nonetheless, for Wisconsin as a whole, when Residential Share percentages are utilized to calculate the impact to counties (versus Cost per Customer), the number of counties affected with a Residential Indicator of greater than 2% MHI is 30, or nearly 42% of Wisconsin's counties, while 12 counties experience residential cost burdens above 3% of MHI. This compares with the Cost per

Customer calculation in the Report which showed 42 counties experiencing Affordability Burdens in excess of 2% of MHI. Using these lower interest rate assumptions, resulted in 35 counties with Residential MHI burdens between 1% and 2% and 7 counties with less than 1% MHI impact.

Original Customer Analysis	Updated Customer Analysis	Affordability Index	Residential Analysis
3	3	Less than 1%	7
27	27	1% to 2%	35
42	42	Above 2%	30

Capital and Operations and Maintenance Costs – Residential Analysis

For the residential analysis, a modification was made to Appendix G – PROJECTED CAPITAL AND FINANCING COSTS BY PERMITTEE. For this analysis the EIF available funding was reduced from \$150 Million per year for 2016 and 2017 to only \$80 Million per year for 2016 and 2017. This reduction was based on direction from the Department of Administration and the Department of Natural Resources that due to competing demands for Clean Water funding (EIF) only 10% of the total capital costs for compliance could be funded through EIF subsidized rates, or a maximum \$160 million (\$1.57B * 10%) for the total program.

Also a summary was added at the top of the spreadsheet report (see Table below) that shows the amount of capital and interest over 20 years that will be paid for the total phosphorus capital program to be completed. Any time the assumptions (pink highlighted areas) are changed this table will automatically update to show the total interest costs as well as the total program costs. The updated appendix G is attached to this addendum.

	Capital	Interest	Total Capital + Interest
EIF2016 Capital and Debt Service Costs over 20 YR	\$ 80,000,000	\$ 28,381,825	\$ 108,381,825
EIF2017 Capital and Debt Service Costs over 20 Yr	\$ 80,000,000	\$ 28,381,825	\$ 108,381,825
OMB Capital and Debt Service Costs over 20 Years	\$ 1,379,618,778	\$ 882,577,820	\$ 2,262,196,598
Total Capital and Debt Service	\$ 1,539,618,778	\$ 939,341,471	\$ 2,478,960,249
Capital Cash funded	\$ 171,068,753	\$ -	\$ 171,068,753
Total Capital (Cash and Debt Service)	\$ 1,710,687,531	\$ 939,341,471	\$ 2,650,029,002

By comparison with the Report, lowering the cost of borrowing from 5.5% (using 20 year, level debt service with no Debt Service Reserve Fund) to 2.87% for subsidized EIF funds and Open Market debt to 5.02% resulted in total capital costs for compliance with financing of \$2.65 billion, versus the \$2.80 billion in the Report.

Sensitivity Analysis – Residential Analysis

In the original report a sensitivity analysis was completed to show how different economic factors would impact the costs and subsequently the affordability indicator for each of the counties. The same approach was taken for the residential analysis that was completed in the customer analysis. Three main factors were looked at, (1) the ability of the municipalities to cash fund portion of the phosphorous capital plans, (2) the impacts of reducing interest rates and increasing interest rates by plus or minus 1%, and factor (3)

the escalation of the actual capital costs from +25% to -25% of the estimates capital costs. The results of this analysis are in the table below.

Residential Analysis								
Alternative Base Analysis, 2.87% EIF, 5.02% OMB, Average MHI								
10% Cash Funded	\$ 2,650,029,002.05	30	72					
	Total Capital & Debt	Counties above 2.0%	Total Counties	% of Counties	Change in Total Cost	% Change	Cost per Year	
5% Cash Funded	\$ 2,704,747,555.34	23	72	31.9%	\$ 54,718,553.29	2.023%	\$ 2,735,927.66	
10% Cash Funded	\$ 2,650,029,002.05	30	72	41.7%	\$ -	0.000%	\$ -	
15% Cash Funded	\$ 2,595,310,448.76	35	72	48.6%	\$ (54,718,553.29)	-2.108%	\$ (2,735,927.66)	
20% Cash Funded	\$ 2,540,591,895.47	36	72	50.0%	\$ (109,437,106.58)	-4.308%	\$ (5,471,855.33)	
25% Cash Funded	\$ 2,485,873,342.17	37	72	51.4%	\$ (164,155,659.88)	-6.604%	\$ (8,207,782.99)	
	Total Capital & Debt	Counties above 2.0%	Total Counties	% of Counties	Change in Total Cost	% Change	Cost per Year	
1% Decrease in Borrowing Rate ¹	\$ 2,442,759,198.48	28	72	38.9%	\$ (207,269,803.57)	-8.485%	\$ (10,363,490.18)	
1% Increase in Borrowing Rate ¹	\$ 2,866,210,076.78	32	72	44.4%	\$ 216,181,074.73	7.542%	\$ 10,809,053.74	
	Total Capital & Debt	Counties above 2.0%	Total Counties	% of Counties	Change in Total Cost	% Change	Cost per Year	
+25% Construction Cost ¹	\$ 4,109,692,302.44	36	72	50.0%	\$ 1,459,663,300.39	35.518%	\$ 72,983,165.02	
-25% Construction Cost ¹	\$ 1,504,975,431.03	20	72	27.8%	\$ (1,145,053,571.02)	-76.085%	\$ (57,252,678.55)	

The table above shows in the base case of 10% cash funding, interest rates for both EIF and Open Market Issues, and using the average MHI for the affected communities that there are 30 counties that have residential indicators above the 2% (high burden rate).

INTEREST RATE PROJECTIONS MEMO



Memorandum

Date: April 21, 2015
To: Ed Eberle, Wisconsin DOA
Cc: Aaron Heintz, Wisconsin Office of Capital Finance
From: Sycamore Advisors LLC
Subject: Financing rates for different classes of corporate and municipal borrowers

Background

Pursuant to Act 378, Sycamore was engaged to develop a model for evaluating the cost of compliance for new phosphorus regulations to determine if the cost of complying with those regulations for point sources would create substantial and widespread adverse social and economic impacts on a statewide basis. Based on this analysis, DOA must make the following determination, in consultation with DNR:

“Whether attaining the water quality standard for phosphorus...through compliance with water quality based effluent limitations by point sources that cannot achieve compliance without major facility upgrades is not feasible because it would cause substantial and widespread adverse social and economic impacts on a statewide basis.”

The Act required Sycamore to address three main points, including:

- A. A calculation of the cost of compliance with water quality-based effluent limitations for phosphorus by point source statewide categories that cannot achieve compliance without major facility upgrades;
- B. A calculation of the per household cost for water pollution control by statewide categories of publicly owned treatment works (POTW) that cannot achieve compliance with water quality-based effluent limitations for phosphorus without major facility upgrades, including the projected costs of compliance with those water quality-based effluent limitations, and a calculation of the percentage of median household income that the per household cost represents; and
- C. An analysis of whether the cost of compliance with water quality-based effluent limitations for phosphorus by statewide categories of non-publicly owned point sources that cannot achieve compliance without major facility upgrades would cause a widespread and substantial adverse social and economic impact on a statewide basis.

In consultation with the State and in accord with the requirements of the Act, Sycamore's team (including UMass and Arcadis) focused on publicly-owned treatment works and private industries with point source (WNPDES) permits that would be required to make facility upgrades to achieve compliance. As a result, the following industries or types and respective number of facilities were determined to be affected permit holders:

- a. Municipal (or "POTW") (425)
- b. Paper companies (17)
- c. Power plants (20)
- d. Fisheries (10)
- e. Cheese (27)
- f. Food processing (14)

A detailed explanation of the methodology utilized to develop both the initial capital costs and subsequent Operations and Maintenance Costs is in the Sycamore Draft Report, presented to DOA and DNR on January 26, 2015, while this memo seeks to outline specific financing costs only. Because the capital costs of construction are estimated to be substantial at \$3.8 Billion, and the timeline for construction is two years, the analysis determined that most of the costs of construction would need to be financed. EPA/State compliance requires that all permit holders attain required compliance levels within five years of their permit renewal dates.

As a result, Sycamore developed estimates of borrowing costs for municipal and corporate borrowers in the categories listed above, utilizing historic corporate borrowing data over a 20 year period from the Federal Reserve Board's ("FRB") H-15 database (see Attachment 1, "Selected Interest Rates" (Daily) Historical Data). This is a compilation of data from Moody's Investor Services on corporate borrowing rates and on the 20 year municipal borrowing rates for mixed credit quality buyers published by the "Bond Buyer Index" for General Obligation Bonds for municipal issuers, a publicly-available document. Data from both Aaa and Baa rated corporate databases was evaluated. As will be discussed in further detail below, for corporate borrowers, Baa-category rates were believed to be a more reliable/representative indicator of the potential borrowing costs of the affected corporate borrowers due to the credit quality of the prospective borrowers. Sycamore also evaluated the lending capacity and historic rates available to municipal entities through the Wisconsin Environmental Improvement Fund, using data provided by the Wisconsin Department of Administration.

We are providing this information to you and ultimately to US EPA in response to US EPA's questions regarding Sycamore's interest rate assumptions in the Draft Report.

Current Interest Rate Environment versus Historical Norm

To understand the basis for historic borrowing rates derived from the Federal Reserve Bank (FRB) data, we first consider the context of current interest rates. In economic terms, the notion that the past is guidance for future projections is based on a widely held financial theory of the 'reversion to the mean.' Specifically, it refers to the tendency of a random variable that is highly

distinct from the norm to return to ‘normal.’ This principle is often utilized in finance to suggest that absent fundamental changes in circumstance, historic data can be a useful predictor of future performance. While economists, market investors and hedge funds certainly attempt to predict the pattern of interest rates, Sycamore has relied upon data supplied by economists and market professionals from major investment banking firms to understand the market consensus of interest rates.

It is a widely held and published belief that currently the U.S. is at, or near, a 30-year low in its interest rate cycles – the peak having occurred in early 1981 and the low (2.33% for 30-year US bonds) occurring in January 2015. Current AAA borrowing rates in the municipal market are below 1 year, 2 year (longer maturities) and 10 year averages (see [Attachment 2](#) “AAA MMD Yield Curve Movement” chart). Examples of the prevailing market sentiment of interest rates trending upwards are available by reading recent minutes of the Federal Reserve Board, published economists, and financial reports. Major banking institutions (such as Merrill Lynch, Barclay’s, JP Morgan Chase and others) will publish their interest rate expectations for a period of time, and often these expectations are updated quarterly based on market performance.

The benchmark for all interest and borrowing rates is the interest rates or yield on U.S. Treasury securities, as they are considered to establish the ‘risk-free’ rate of borrowing. The yield curve is a plot of the yields (y-axis) or the interest rates for current US Treasury securities against the time to maturity (x-axis). Typically, a yield curve (see [Attachment 3](#)) is “positive” in that longer term borrowings have a higher interest cost than shorter term ones, as investors must wait longer to receive their payoff and thus demand more incentive via interest rates to purchase longer securities. An example that appeared recently in the *Wall Street Journal* is attached (see [Attachment 4](#)).

The FRB has the de facto power to establish short-term borrowing costs by setting the Federal Funds Rate, or the short term cost of borrowing. Since the Great Recession of 2008, the Fed has been injecting liquidity into the economy to keep rates low, such that the Fed Funds rate was at 0.06% on 3/31/15 (see [Attachment 5](#), “Selected Interest Rates” April 2, 2015, Federal Reserve Board H.15 Release). The three month maturity US Treasury bills yield is currently 0.04% -- effectively zero. According to a recent survey of FRB ‘watchers’ and economists, recent expectations published in the *Wall Street Journal* (Thursday March 19, 2015) suggest that the Fed Funds rate will be increased to 0.625% by year end (see [Attachment 6](#) from the *Wall Street Journal* 3/19/15 p, A2).

In the fixed-income markets, if an Issuer wants to ‘lock in’ a debt issuance today and thus interest rates for delivery or ‘closing’ sometime in the future, the current municipal market is pricing forward delivery contracts at an increasing rate of 6 basis points per month, or 72 basis points (0.72%) in one year, suggesting that market participants and trading desks believe interest rates will increase. In the current market, expectations for rising interest rates as the U.S. economy recovers are widely held and firmly rooted, shared by those monitoring the Fed’s indications and large banking institutions in the US and internationally. Therefore, the use of historic interest rate norms in projecting interest rates several years forward is an appropriate and conservative assumption.

All other borrowing costs across different credit markets (municipal and corporate) are pegged in relationship to their relative credit risk and maturity risk versus the ‘risk-free’ rates. This additional ‘compensation’ in terms of higher borrowing costs versus the benchmark is known in the fixed income markets as “the spread” (expressed in basis points, or 1/100th of a percent) to the benchmark. Hence, corporate bonds are priced at an interest rate spread to the relevant maturity US Treasury. Similarly, municipal bonds are priced an interest rate spread to a hypothetical AAA rated General Obligation bond of comparable maturity, the nearest equivalent of a ‘risk-free’ rate. The most frequently used municipal benchmark is the “MMD” curve, or the Municipal Market Daily curve. This curve is derived from the Treasury curve as an interpretation of where tax exempt municipals should trade relative to their corporate taxable counterparts. Thus the curve is related to, but may not move precisely in tandem with, taxable interest rates.

Historic Borrowing Costs for Corporate Entities

Based on FRB data, compiled from Moody’s for the yield on seasoned (meaning actively traded) corporate bonds for all industries, rated in the Baa category, the average yield from 1991 to March 2015 is 7.435%. The peak yield occurred in January 1991 at 10.5% and the lowest rate, 4.47%, occurred in March 2015.

While corporate utilities historically have been stable credits, a wave of consolidation and buyouts in the industry have left many of the utilities with much more highly leveraged profiles than would have been typical of utilities in the past. For instance, in Wisconsin, mergers or acquisitions of Wisconsin Power & Light by Alliant Energy, Wisconsin Electric by Integrys and Wisconsin Public Service also by Integrys, Midwest Energy by Detroit Electric and Northern State by Xcel Energy have left Wisconsin with few Wisconsin-based utilities. Notably, most of the power company credits are in the low single A-rated and high to mid- Baa3 categories (see [Attachment 7](#), “Summary Data _Power Plants”). In addition, several of the power plants are old coal-fired facilities originally built in the 1940s and 1950s with substantial output (~3 million tons in 2006) of emissions. Recent (2014 and 2015) pricing of 30-year debt transactions for utilities with Wisconsin facilities showed average coupons of 4.70% (data provided by a global investment bank), with a range of 3.70% to 6.75%. Assuming a 0.75% increase in rates one year from now, this would suggest an average forward yield rate of 5.5%.

Paper plants in Wisconsin are a different story though they also represent a distinct change from the past. As indicated in recent Moody’s and Standard & Poor’s analysis reports and the attached “Summary Data Paper Plants” (see [Attachment 8](#)), over half of the paper companies with operations in Wisconsin are privately held by hedge funds or private equity firms and unrated. Of the remaining companies:

- * only one company is rated Aa3 (Procter & Gamble);
- * one is rated A2;
- * two are rated in the Baa category; and
- * all other companies are non-investment grade credits – below the Baa3 category.

Due to the preponderance of lower rated credit, changes in the industry, and recent movement in interest rates, this suggests that a 7% historic cost of borrowing is unlikely and indeed overly optimistic.

Historic Borrowing Costs for Municipal Utilities

The EPA's 1997 "Guidance for Financial Capability Assessment and Schedule Development" ("Guidance document", see Attachment 9) states (p. 13) that in calculating "annualized debt service costs for projected WWT facilities," one should calculate an annualization factor "which reflects *the local borrowing interest rate and borrowing term of the permittee.*" This is the approach Sycamore used in developing estimates of borrowing costs for Wisconsin POTWs.

Utilizing numbers from 1991 to the present, the average national borrowing cost for municipal General Obligation bonds is 5.06%, with a maximum rate of 7.19% (June 1991) and a low of 3.27% (December 2012, Source: FRB H-15). In general, all municipal bonds, including AAA rated credits, trade at some increment to MMD. Indiana, for example, one of eight AAA rated States, trades at 12-15 basis points over MMD. Wisconsin G.O. Bonds recently (February 2015) priced at 8-20 basis points over the 30-year MMD scale.

In addition, revenue bond credits typically trade 'above' or at an additional interest rate to General Obligation ("G.O.") debt because, although they have a stream of pledged revenue, it is not considered as secure a source of repayment as a G.O. pledge of property taxes. Municipal utilities are considered strong credits relative to other forms of municipal debt, because both costs and revenue are considered fairly stable over time and the utility provides an essential service to its customers. However, the utility industry has become much more dynamic as capital investment and operating costs are increasing significantly over time; as such, there is wide variation among those credits. According to today's yield curve, "A" rated water and sewer utility credits would price at a credit spread of +75 basis points over the MMD scale. "Baa3" rated water utilities would price +115 basis points over MMD scale and Unrated or Non-investment Grade credits would price +150 basis points over 1.5% over MMD scale. (Source: Data independently provided by two major global investment banks with an active presence in the Wisconsin market. Based on current markets with 20-year MMD trading at 2.85%, a one-year forward rate of +72 basis points plus an A-rated credit spread of +75 basis points, an A-rated utility would be expected to be able to borrow at 4.32% for 20-year debt in 2016.

In Wisconsin, there are currently 196 Borrowers participating in the State's Environmental Improvement Fund Direct Loan program, with loans totaling \$1.038 Billion as of September 2014). Of the 196 Borrowers:

- * 111 (56%) have Non-Investment Grade ratings;
- * 50 borrowers (nearly 10%) are Baa3 rated;
- * four borrowers are rated single A; and
- * only 11 municipalities are rated AA or higher.

(See Attachment 10, “Loan Ratings by Program”). One of the clear benefits of the EIF program is that all eligible borrowers are able to access financing at a single subsidized rate, so the unrated smaller community can borrow at the same cost as AAA-rated participants.

As part of its efforts to modernize its SRF program, Wisconsin recently moved to update its loan rates on a *quarterly* basis, reflecting a cost of funds pursuant to WI statute of 75% of the prevailing market rate (AAA rated MMD). As a result, the State was able to reduce the loan rate for the first quarter of 2015 to 2.25% -- a new low for most loans. The historic average of the EIF market rate is 4.86% since the program’s inception in 1991 (see Attachment 11, “EIF- Loan Rates”), so 75% of the historic rate would result in a 3.64% borrowing rate. Subsidy rates over time have varied from a low of 55% of the market rate to the current statutory limit of 75% of the market rate. Using current MMD rates of 2.85% for AAA rated GO bonds and assuming the forward delivery rate of 72 basis points and a credit spread of +25 basis points to MMD, produces a AAA market rate of 3.82% for EIF. With a 75% statutory limit, this would result in a forward EIF loan rate of 2.87%.

However, lending capacity is one significant constraint on use of the EIF. Current biennial budget projections for the Clean Water Fund Program for the 2015-2017 Budget project total loan capacity of \$186 million per year. DNR has suggested that a maximum of 10% of the total projected municipal phosphorus capital compliance costs of \$1.6 Billion (uninflated in 2014 dollars, not year of construction costs), or a total of \$160 million can be available from EIF to fund phosphorus-related capital expenditures. This roughly equates to over 40% of total Clean Water Program funding. Clearly, most of the phosphorus related needs in Wisconsin will not be able to be met utilizing the EIF alone. As a consequence, it is appropriate to use a blended cost of capital reflecting a combination of the lower subsidized cost of funds available to communities from EIF and a recognition that the balance will need to be funded in the public municipal debt markets.

The table below lays out the base rate for municipal AAA rated-GO credits and then using forward rates and information on historic credit spreads for each rating notch, arrives at both a ‘market rate’ for EIF – 75% of which is the loan rate to Wisconsin municipal utilities based on the newly adopted ‘market rate’ approach – and a blended open market borrowing rate based on the respective weighting of Wisconsin POTW credits.

Municipal Rates

1	Current 20 YR AAA MMD	2.85%
2	1 Yr Forward Delivery	0.72%
3	Incremental Credit Spread for AAA	<u>0.25%</u>
	Market Rate for AAA credits	3.82%
	Credit Spread for AA	<u>0.50%</u>
	Rate for AA credits	4.07%
	Credit Spread for A	<u>0.75%</u>
	Rate for A credits	4.32%
	Credit Spread for Baa	<u>1.15%</u>
	Rate for BBB credits	4.72%
	Credit Spread for UnRated Credits	<u>1.75%</u>
4	Rate for UnRated credits	5.32%
5	Potential Loan Rate for EIF Subsidized Loans	2.87%
6	Blended Open Market Rate for Municipal Credits	5.02%
7	Blended EIF and Open Market Borrowing Rate for POTWs	4.80%

Corporate Rates

8	Utilities	5.50%
9	General Corporates	6.80%
10	Paper	7.50%

- 1 20 Year AAA GO MMD rates as published on March 9, 2015
- 2 Forward delivery rate for high-grade municipal bonds, 1 year, quoted by major dealer firm on March 18, 2015
- 3 Muni Credit spread information obtained from independent investment bank; corroborated with two other major firms
- 4 Allocation of credit ratings based on data provided by WI EIF for outstanding loans as of 9/01/2014
- 5 Estimates for smaller, unrated credits varied between +150 to +200 basis points over AAA MMD, assuming 110% Net Operating Revenue Coverage for Debt Service (April 2015 dealer indication)
- 6 Projected Market Rate x 75%, pursuant to WI Statute
- 7 Weighted Average Open Market Rate, based on credit holdings in EIF Loan Portfolio at Sept. 2014.
- 8 Projected borrowing cost based on average credit quality of low A/high Baa rated utilities (dealer quote March 2015)
- 9 Uses Fed Reserve Board Historic Corporate Rates for 20 years (2005 to April 2015), as published in H-15, accessed website online April 14, 2015
- 10 Projected borrowing based on average credit quality of BB rated paper companies (per Fed Reserve Bank of St Louis, BoAML High Yield Master II Effective Yield is 8.53% for 2005 to 2015) website accessed April 15, 2015

Selected Interest Rates (Daily) - H.15

[Current Release](#) [Release Dates](#) [Daily Update](#) **Historical Data** [About](#) [Announcements](#) [Technical Q&As](#)

Historical Data

Instruments	Frequency
Federal funds (effective) 1 2 3	Business day Daily Weekly (Wednesday) Bi-Weekly (AWednesday) Monthly Annual
Commercial Paper 3 4 5 6	
Nonfinancial	
1-month	Business day Weekly (Friday) Monthly Annual
2-month	Business day Weekly (Friday) Monthly Annual
3-month	Business day Weekly (Friday) Monthly Annual
Financial	
1-month	Business day Weekly (Friday) Monthly Annual
2-month	Business day Weekly (Friday) Monthly Annual
3-month	Business day Weekly (Friday) Monthly Annual
3-month nonfinancial or financial (discontinued)	
posted by CPFF (discontinued) 17	
Without surcharge (discontinued)	Business day Weekly (Friday) Monthly Annual
With surcharge (discontinued)	Business day Weekly (Friday) Monthly Annual
Commercial paper (discontinued) 3 4 18	
1-month (discontinued)	Business day Weekly (Friday) Monthly Annual
3-month (discontinued)	Business day Weekly (Friday) Monthly Annual
6-month (discontinued)	Business day Weekly (Friday) Monthly Annual
Finance paper placed directly (discontinued) 3 4 19	
1-month (discontinued)	Business day Weekly (Friday) Monthly Annual
3-month (discontinued)	Business day Weekly (Friday) Monthly Annual
6-month (discontinued)	Business day Weekly (Friday) Monthly Annual
Bankers acceptances (top rates) (discontinued) 3 4 20 21	
3-month (discontinued)	Business day Weekly (Friday) Monthly Annual
6-month (discontinued)	Business day Weekly (Friday) Monthly Annual
CDs (secondary market) (discontinued) 3 22 23	
1-month (discontinued)	Business day Weekly (Friday) Monthly Annual
3-month (discontinued)	Business day Weekly (Friday) Monthly Annual
6-month (discontinued)	Business day Weekly (Friday) Monthly Annual

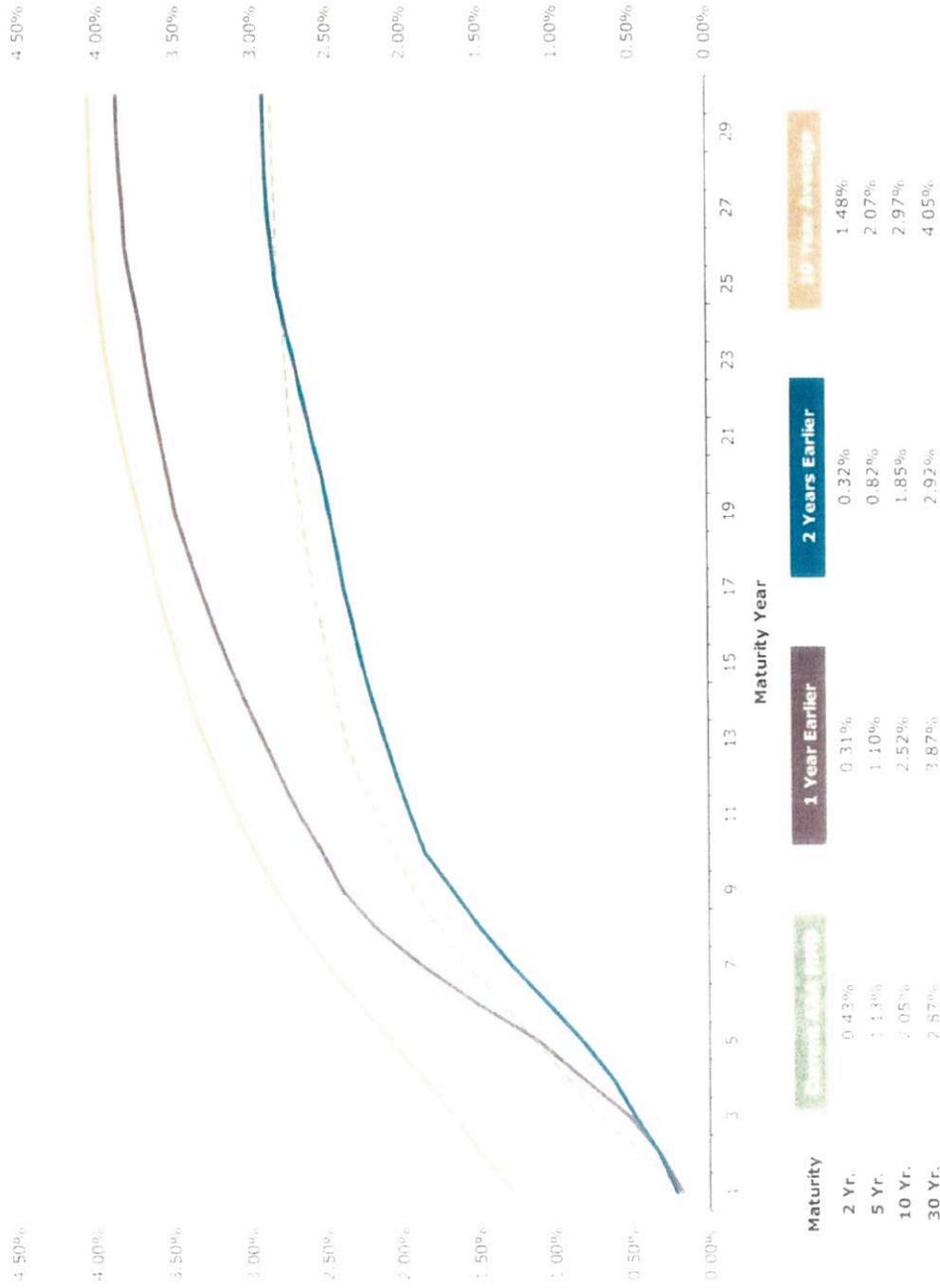
Eurodollar deposits (London) ^{3 7}	
1-month	Business day Weekly (Friday) Monthly Annual
3-month	Business day Weekly (Friday) Monthly Annual
6-month	Business day Weekly (Friday) Monthly Annual
Bank prime loan ^{2 3 8}	Business day Daily Weekly (Wednesday) Monthly Annual
Discount window primary credit ^{2 9}	Business day Daily Weekly (Wednesday) Monthly Annual
Discount window borrowing (discontinued) ^{2 24}	Daily Business day Weekly (Wednesday) Monthly Annual
U.S. government securities	
Treasury bills (auction high) (discontinued) ^{3 4 25 26}	
3-month (discontinued)	Business day Weekly (Friday) Monthly Annual
6-month (discontinued)	Business day Weekly (Friday) Monthly Annual
1-year (discontinued)	Business day Weekly (Friday) Monthly Annual
Treasury bills (secondary market) ^{3 4}	
4-week	Business day Weekly (Friday) Monthly Annual
3-month	Business day Weekly (Friday) Monthly Annual
6-month	Business day Weekly (Friday) Monthly Annual
1-year	Business day Weekly (Friday) Monthly Annual
Treasury constant maturities	
Nominal ¹⁰	
1-month	Business day Weekly (Friday) Monthly Annual
3-month	Business day Weekly (Friday) Monthly Annual
6-month	Business day Weekly (Friday) Monthly Annual
1-year	Business day Weekly (Friday) Monthly Annual
2-year	Business day Weekly (Friday) Monthly Annual
3-year	Business day Weekly (Friday) Monthly Annual
5-year	Business day Weekly (Friday) Monthly Annual
7-year	Business day Weekly (Friday) Monthly Annual
10-year	Business day Weekly (Friday) Monthly Annual
20-year (discontinued) ²⁷	Business day Weekly (Friday) Monthly Annual
20-year	Business day Weekly (Friday) Monthly Annual
30-year	Business day Weekly (Friday) Monthly Annual
Inflation indexed ¹¹	
5-year	Business day Weekly (Friday) Monthly Annual
7-year	Business day Weekly (Friday) Monthly Annual

10-year	Business day Weekly (Friday) Monthly Annual
20-year	Business day Weekly (Friday) Monthly Annual
30-year	Business day Weekly (Friday) Monthly Annual
Nominal long-term average (discontinued) ^{12 28}	Business day Weekly (Friday) Monthly Annual
Inflation-indexed long-term average ¹²	Business day Weekly (Friday) Monthly Annual
Composite (over 10 years, long term) (discontinued) ^{29 30}	Business day Weekly (Friday) Monthly Annual
Interest rate swaps ¹³	
1-year	Business day Weekly (Friday) Monthly Annual
2-year	Business day Weekly (Friday) Monthly Annual
3-year	Business day Weekly (Friday) Monthly Annual
4-year	Business day Weekly (Friday) Monthly Annual
5-year	Business day Weekly (Friday) Monthly Annual
7-year	Business day Weekly (Friday) Monthly Annual
10-year	Business day Weekly (Friday) Monthly Annual
30-year	Business day Weekly (Friday) Monthly Annual
Corporate bonds	
Moody's seasoned	
Aaa ¹⁴	Business day Weekly (Friday) Monthly Annual
Baa	Business day Weekly (Friday) Monthly Annual
State & local bonds ¹⁵	Weekly (Thursday) Monthly
Conventional mortgages ¹⁶	Weekly (Thursday) Weekly (Friday) Monthly Annual

Footnotes

1. The daily effective federal funds rate is a weighted average of rates on brokered trades. [Return to top](#)
2. Weekly figures are averages of 7 calendar days ending on Wednesday of the current week; monthly figures include each calendar day in the month. [Return to top](#)
3. Annualized using a 360-day year or bank interest. [Return to top](#)
4. On a discount basis. [Return to top](#)
5. Interest rates interpolated from data on certain commercial paper trades settled by The Depository Trust Company. The trades represent sales of commercial paper by dealers or direct issuers to investors (that is, the offer side). The 1-, 2-, and 3-month rates are equivalent to the 30-, 60-, and 90-day dates reported on the Board's Commercial Paper Web page (www.federalreserve.gov/releases/cp/). [Return to top](#)
6. Financial paper that is insured by the FDIC's Temporary Liquidity Guarantee Program is not excluded from relevant indexes, nor is any financial or nonfinancial commercial paper that may be directly or indirectly affected by one or more of the Federal Reserve's liquidity facilities. Thus the rates published after September 19, 2008, likely reflect the direct or indirect effects of the new temporary programs and, accordingly, likely are not comparable for some purposes to rates published prior to that period. [Return to top](#)

AAA MMD Yield Curve Movement



Source: Thomson Reuters Municipal Market Data as of February 13, 2015



**US Treasury Actives Curve
Forward Rates**

3/24/2015

Tenors	Cpn	3/31/2015	Forwards									
			3MO	6MO	1YR	2YR	3YR	4YR	5YR	10YR	15YR	30YR
1Mo	0.018	0.018	0.149	0.237	0.598	1.300	1.634	2.108	2.202	2.212	2.558	2.619
3Mo	0.018	0.025	0.210	0.273	0.656	1.358	1.673	2.148	2.229	2.217	2.563	2.619
6Mo	0.109	0.116	0.242	0.328	0.742	1.445	1.730	2.206	2.268	2.225	2.571	2.619
1Yr	0.222	0.230	0.381	0.534	0.916	1.620	1.848	2.324	2.351	2.241	2.590	2.619
2Yr	0.563	0.573	0.736	0.899	1.265	1.733	2.083	2.337	2.516	2.275	2.626	2.619
3Yr	0.911	0.920	1.053	1.183	1.456	1.926	2.171	2.450	2.430	2.308	2.663	2.619
5Yr	1.369	1.376	1.482	1.586	1.798	2.154	2.286	2.402	2.446	2.375	2.737	2.619
7Yr	1.679	1.684	1.761	1.835	1.980	2.200	2.336	2.400	2.400	2.442	2.812	2.619
10Yr	1.879	1.883	1.938	1.991	2.094	2.246	2.328	2.393	2.412	2.544	2.926	2.619
30Yr	2.466	2.468	2.496	2.523	2.575	2.654	2.703	2.743	2.761	2.827	2.925	2.619

*Source: Bloomberg

Pushing and Pulling on Rates Riddle

Fed policy makers face challenge in moving long-term yields up; 'conundrum' for new era

BY MIN ZENG

It is known in bond circles as "the conundrum." And it may become Janet Yellen's next big challenge.

At some point this year—this week's statement notwithstanding—the Federal Reserve chairwoman is expected to preside over a rise in its benchmark short-term interest rate, the federal-funds rate, from near zero. The aim is to push rates higher across the spectrum, from debt maturing in 30 days to 30 years, to avoid fueling economic and market bubbles.

But while investors and analysts expect the Fed will have no trouble pushing short-term rates in the bond market higher, because they are closely pegged to the fed rate, some worry that the central bank will have a tougher time nudging longer-term rates up. That would complicate efforts to return the economy to a normal footing.

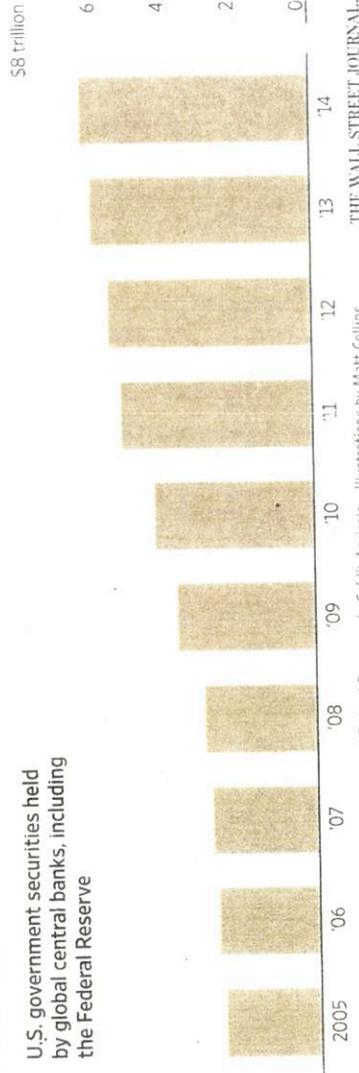
Then-Fed Chairman Alan Greenspan in 2005 used the word "conundrum" to describe low or falling long-term rates that persisted even as the Fed raised short-term rates at 17 meetings in a row from 2004 to 2006.

"This is the conundrum 2.0," said Erik Schiller, senior portfolio manager for global government bonds at Prudential Financial Inc.'s fixed-income unit, which oversees about \$530 billion. "The Fed will have to

Treasury yield-curve rate Thursday



U.S. government securities held by global central banks, including the Federal Reserve



Sources: Ryan ALM (yield curve); U.S. Treasury and Federal Reserve via Crédit Agricole Illustrations by Matt Collins

THE WALL STREET JOURNAL

for signs about the health of the economy.

A steep yield curve—or a big gap between short-term rates and long-term ones—is seen as healthy for many reasons.

For one, longer-term bonds are generally a reflection of investors' views on the economy. If they demand higher yields, it indicates they think growth is strong enough that inflation will

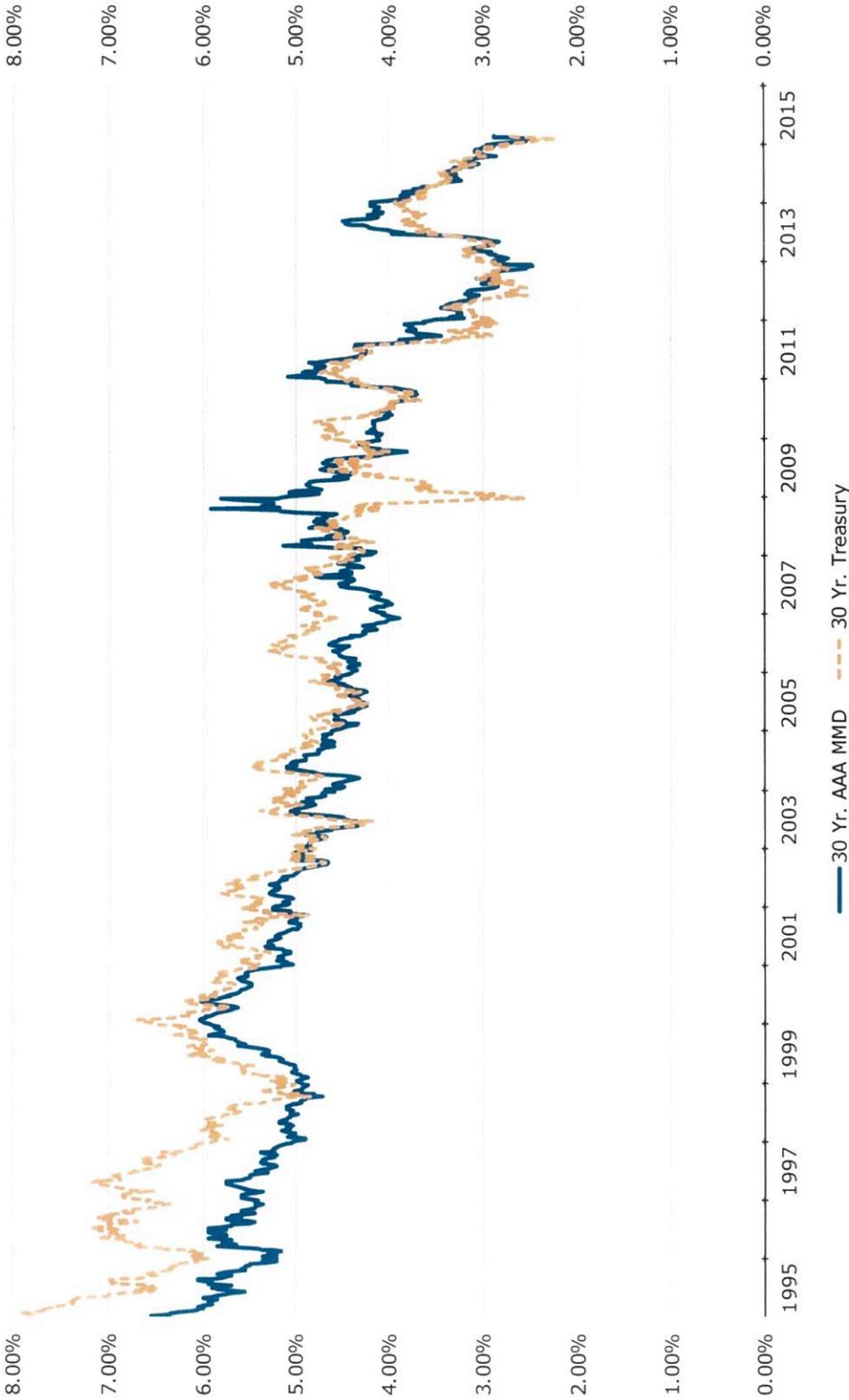
eat into their fixed-interest payments over time.

As well, banks make more money by being able to borrow relatively cheaply in the short-term market and then lend for longer periods at higher rates. If banks are happy to turn on the spigot, that means more borrowing, and spending by companies and individuals.

Conversely, a flat or an inverted yield curve—where longer-term rates are below those of short-term ones—has typically portended poor economic times and even recession. That last happened June 2007, shortly before the financial crisis and ensuing downturn. The time before that: December 2000, as the economy was also descending into recession.

Please see RATES page C2

Historical 30 Year Treasury vs. 30 Year MMD Rates

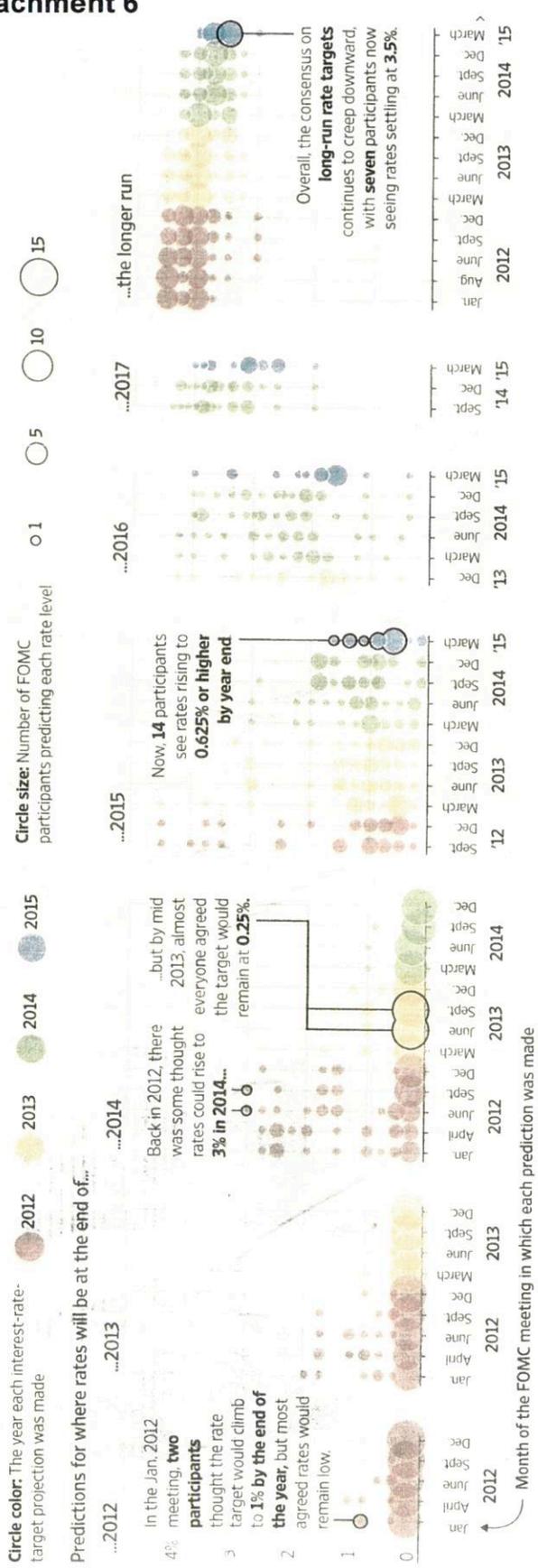


Sources: Thomson Reuters Municipal Market Data / Bloomberg, as of February 20, 2015.
Note: Weekly data; AAA MMD assumes an optional 10-year par call.

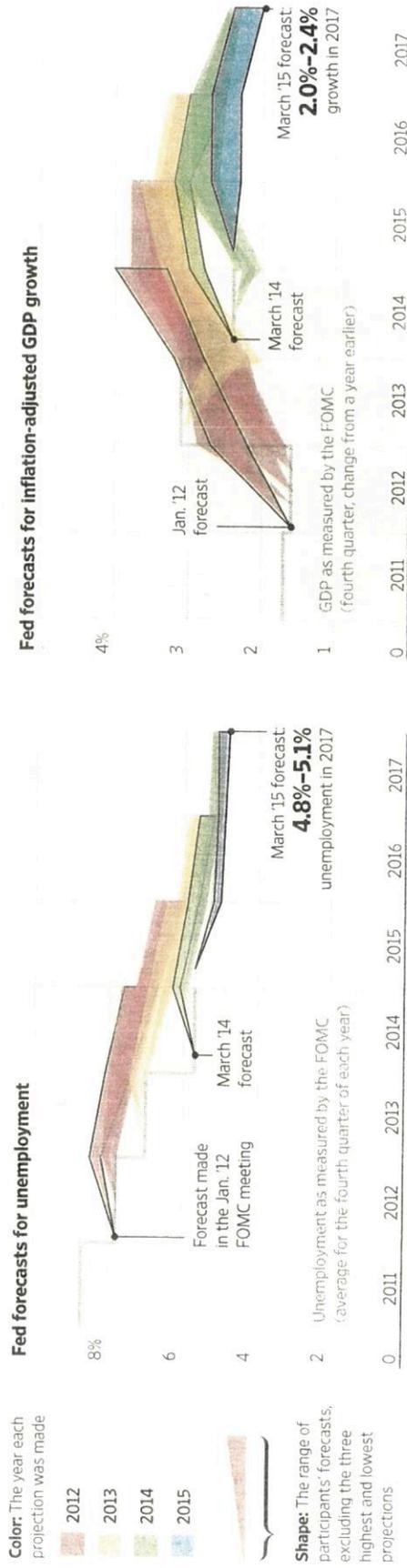
Moving Targets

Over the years, Federal Open Market Committee participants have recalibrated their estimates as to the year-end targets for short-term interest rates...

How the interest-rate-target midpoints evolved



...and their forecasts tended to overestimate future unemployment and GDP growth.



RATES

1.27%, to 18076.19 after being down more than 100 points before the Fed's statement. It finished the day a little more than a percent from a record close. Yields on 10-year Treasury notes fell to 1.945%.

"Risky assets do well on a day like today," said Eric Stein, co-director of the \$12 billion global investor group at asset manager Eaton Vance. "Before this, I thought June was the most likely [time for a rate increase]. Now, I'd say move that to September."

The Fed has a meeting in April before the June gathering, but said in its statement it wouldn't move at that meeting.

When officials follow through with an initial rate increase depends now on their interpretation of an evolving economic outlook. The central bank said it would raise rates when it is "reasonably confident" that stubbornly low inflation is on track to return to its 2% target and as long as the job market keeps improving.

But the central bank faces several conundrums—and investors new uncertainties—about unfolding economic developments.

The jobless rate keeps falling

faster than Fed officials project, a sign of a return to economic vitality that has given some officials confidence it is time to start increasing the cost of credit.

Inflation, on the other hand, has run below the Fed's target for 33 straight months, a sign of global weakness and other economic headwinds that could give officials pause in coming months.

Asked at the press conference what would make her and Fed officials confident inflation will rise toward the target, Ms. Yellen said, "I don't have a mechanical answer for you."

New strains on growth and inflation have emerged in recent months.

A stronger dollar has put downward pressure on U.S. exports—a development the Fed acknowledged in its statement. The strong currency and low oil prices also are weighing down inflation. Officials see these developments as temporary; still they admit to some angst.

"I certainly expect net exports to serve as a notable drag this year on the outlook," Ms. Yellen said.

While the Fed is looking at raising rates, central banks around the world are moving in the opposite direction. Just hours before Fed officials finished their meeting, for example,

Sweden's Riksbank cut its benchmark lending rate to minus 0.25%, meaning banks had to pay to leave deposits with it.

Actions like that are adding to upward pressure on the dollar. The Fed's own updated economic forecasts and its assessment of the economic landscape suggested officials are struggling to reconcile this complex backdrop.

Officials revised down their projections of economic growth in the coming years, thanks in part to the hit to exports.

Investors took the Fed's caution to heart and sent stocks higher and the dollar lower.

In 2015, for example, they said they expected economic output to expand by between 2.3% and 2.7%, a downgrade from their December estimate of 2.6% to 3.0%. Forecasts for 2016 and 2017 were also shaded down, part of a long-running series of growth-estimate downgrades the Fed has confronted in recent years.

"Economic growth has moderated somewhat," the central bank said in its statement. That was a downgrade from January

when the Fed described the pace of activity as solid. Bad weather might have restrained growth in the first quarter. But the longer-run downgrades of their estimates suggests officials see other headwinds holding the economy back in the months ahead.

At one point during the press conference, Ms. Yellen played down the discouraging undercut in the revised forecast. "It is important to recognize that this is not a weak forecast," she said. "We continue to project above-trend growth. We continue to project improvement in the labor market."

The Fed also shaved its estimates of inflation. In 2015 the Fed projects inflation of 0.6% to 0.8%.

Officials don't see it getting near its 2% target until 2017, a potentially important clue on the timing of rate increases.

While growth and inflation look soft, the Fed sees the job market continuing to register gains. The jobless rate is projected to reach 5% by year-end and then possibly drop slightly below it in 2016 and 2017.

Importantly, however, the Fed also revised down its estimate of how low the jobless rate can fall before it starts creating inflationary pressure. In December,

officials estimated this long-run rate was between 5.2% and 5.5%. Now they say it is 5% to 5.2%. That shift means officials believe they can wait longer before they start to raise rates.

Fifteen of 17 Fed officials said they still expected to start moving their benchmark short-term rate, the federal-funds rate, up from near zero this year, but they substantially revised down their estimates of how high they would go. Most officials saw the fed funds rate target reaching 0.625% by year-end. That was a half percentage point lower than they forecast in December. They also reduced their average estimates for rates at the end of 2016 and 2017 to 1.875% and 3.125% respectively.

Asked to explain the downward move, Ms. Yellen said she and her colleagues saw more slack in the economy than they had a few months ago.

The downward revisions go some distance to resolve a disconnect that has existed between the Fed and investors for several months. Futures markets indicated that investors expected lower rates in the years ahead than the Fed's earlier forecasts projected. The revisions narrowed the gap.

The vote on the statement was unanimous with no dissents.

POWER PLANT

Permit #	Letter/Needed/Facility	Facility Type	Category	Fuel Source	Treatment Type	County	Capital Cost Flow Number (Design Flow)	O&M Cost Flow Number (Actual Flow)	Additional Info	Capital Cost	Annual O&M Cost	Moody's Rating	S&P Rating
0040223	DAIRYLAND POWER COOP ALMA 1-5 & J.P. MADGETT	Industrial	Power Plant	Coal	Mechanical	Buffalo	1.8	1.8	WOBEL calculated	\$7,303,962	\$363,109		
0002329	DAIRYLAND POWER COOP GENOA	Industrial	Power Plant	Coal	Mechanical	Vernon	188	14		\$306,265,391	\$1,811,990		
0001571	DOMINION ENERGY KEWAUNEE, INC.	Industrial	Power Plant	Nuclear	Mechanical	Kewaunee	2.016	2.016	Great Lake Discharger	\$753,518	\$146,922	Baa2 Stable	A- Negative
0061891	FOX ENERGY CO LLC - FOX ENERGY CENTER	Industrial	Power Plant	Natural Gas		Outagamie	1	1	Lower Fox River	\$3,898,800	\$225,400		
0038946	MIDWEST ENERGY RESOURCES COMPANY	Industrial	Power Plant	Coal	Mechanical	Douglas	1.5	0.423		\$655,568	\$57,212	A3 Stable	BBB+ Positive
0000957	NEXTERA ENERGY POINT BEACH LLC	Industrial	Power Plant	Nuclear		Mantowoc	19.44	19.44	Great Lake Discharger	\$0	\$0	Baa1 Stable	A- Stable
0002887	NORTHERN STATES POWER CO	Industrial	Power Plant	Coal	Lagoon	Ashland	21	21		\$5,076,816	\$851,078	A3 Stable	A- Stable
0061921	RIVERSIDE ENERGY CENTER LLC	Industrial	Power Plant	Natural Gas		Rock	0.26	0.26	WOBEL calculated	\$2,559,272	\$0	A3 Stable	A- Stable
0038296	DW MADISON CHARTER STREET HEATING PLANT	Industrial	Power Plant	Natural Gas		Dane	1.59	2.05	RR TMDL- Group 7	\$0	\$0		
0002038	VALERO RENEWABLE FUELS COMPANY, LLC	Industrial	Power Plant	Ethanol	Mechanical	Jefferson	0.46	0.408	RR TMDL- Group 4	\$375,697	\$55,978	Baa2 Stable	BBB Stable
0043583	WE - PLEASANT PRAIRIE POWER PLANT	Industrial	Power Plant	Coal		Kenosha	3.417	3.417	Great Lake Discharger	\$966,107	\$202,068	A2 Negative	A-
0000922	WE - PORT WASHINGTON GENERATING STATION	Industrial	Power Plant	Natural Gas		Ozaukee	808	814	TMDL in progress	\$0	\$0	A2 Negative	A-
0000931	WE - VALLEY POWER PLANT	Industrial	Power Plant	Coal		Milwaukee	67.65	67.65	TMDL in progress	\$122,316,391	\$7,829,278	A2 Negative	A-
0000914	WE ENERGIES OAK CREEK POWER PLANT	Industrial	Power Plant	Coal		Milwaukee	460.8	267.1	WOBEL calculated	\$0	\$0	A2 Negative	A-
0061441	WISCONSIN ELECTRIC POWER CO CONCORD STATION	Industrial	Power Plant	Natural Gas		Jefferson	0.032	0.032	RR TMDL- Group 4	\$0	\$0	A2 Negative	A- Stable
0042757	WISCONSIN ELECTRIC POWER CO -TN OF PARIS	Industrial	Power Plant	Natural Gas		Kenosha	0.14	0.14		\$1,829,794	\$56,569		
0042780	WISCONSIN ELECTRIC POWER COMPANY GERMANTOWN	Industrial	Power Plant	Natural Gas		Washington	0.373	0.00034	TMDL in progress	\$3,112,197	\$707		
0002381	WISCONSIN POWER & LIGHT CO COLUMBIA	Industrial	Power Plant	Coal		Columbia	4.8	2.7	TMDL in progress	\$12,428,925	\$487,788	A3 Stable	A- Stable
0001589	WISCONSIN POWER & LIGHT EDGEWATER GEN. STATION	Industrial	Power Plant	Coal		Sheboygan	324	172.6	Great Lake Discharger	\$0	\$0	A3 Stable	A- Stable
0002381	WISCONSIN POWER & LIGHT NELSON DEWEY GEN STATION	Industrial	Power Plant	Coal		Grant	162	140		\$0	\$0	A3 Stable	A- Stable
0002402	WISCONSIN POWER AND LIGHT ROCK RIVER PLANT	Industrial	Power Plant	Natural Gas		Rock	1.152	1.152	RR TMDL- Group 9	\$0	\$0	A3 Stable	A- Stable
0000965	WISCONSIN PUBLIC SERVICE CORP PULLIAM	Industrial	Power Plant	Coal		Brown	340.9	340.9	Lower Fox River	\$522,640,693	\$35,173,322	A1	
0003131	WISCONSIN PUBLIC SERVICE CORP WESTON 1 & 2	Industrial	Power Plant	Coal		Marathon	117.9	117.9	TMDL in progress	\$0	\$0	A1	
0042765	WISCONSIN PUBLIC SERVICE CORP WESTON 3 & 4	Industrial	Power Plant	Coal		Marathon	4.8	1.52	TMDL in progress	\$1,133,818	\$123,882	A1	
	Alliant Energy Corp.									\$991,316,950	\$47,474,078	A3 Stable	A- Stable
	DTE Energy Company											A3 Stable	BBB+ Positive
	Xcel Energy Inc.											A3 Stable	A- Stable
	Integritys											A3 Stable	A-

Permit #	Letter/Need/Facility	Facility Type	Category	Treatment Type	Region	Basin	County	Treatment Class	Treatment	TP AVG (mg/l)	Capital Cost (\$00 mg/l)	Annual O&M Cost (\$00 mg/L)	Capital Cost (1000 mg/L)	Annual O&M Cost (1000 mg/L)	Moody's Rating	S&P Rating
0000950	APPLETON COATED LLC, COMBINED LOCKS MILL	Industrial	Paper Mills	Mechanical	NE	Fox River (lower)	Outagamie	SECONDARY BIOLOGICAL	Activated Sludge - Cc	0.50	\$21,796,216	\$3,466,729	\$26,974,648	\$10,444,534	A3	Ba3 Stable
0003077	CASCADES TISSUE GROUP WISCONSIN INC	Industrial	Paper Mills	Mechanical	WC	Chippewa River	Eau Claire	SECONDARY BIOLOGICAL	Activated Sludge - Cc	0.50	\$10,454,354	\$1,182,247	\$12,862,798	\$3,363,722	Ba3 Stable	B+
0002104	CELLU TISSUE - CITYFOREST LLC	Industrial	Paper Mills	Mechanical	NO	Chippewa River (Rusk)		SECONDARY BIOLOGICAL	Activated Sludge - Cc	1.31	\$8,627,316	\$892,401	\$10,598,657	\$2,501,343	B1	
0000680	CELLU TISSUE CORPORATION NEENAH	Industrial	Paper Mills	Mechanical	NE	Fox River (lower)	Winnebago	PRIMARY	PRIMARY CLARIFICA	0.19	\$12,140,873	\$1,471,681	\$14,955,621	\$4,236,289	Ba3 Stable	BBB- Stable
0003620	DOMTAR A W LLC	Industrial	Paper Mills	Mechanical	WC	Wisconsin River	Wood	SECONDARY BIOLOGICAL	Activated Sludge - Cc	0.54	\$85,378,966	\$25,595,492	\$106,816,702	\$85,768,097	Ba3 Stable	BBB- Stable
0026042	DOMTAR PAPER CO LLC	Industrial	Paper Mills	Mechanical	WC	Wisconsin River	Marathon	SECONDARY BIOLOGICAL	Activated Sludge - Cc	0.28	\$26,407,785	\$4,591,607	\$32,731,750	\$14,041,936	Baa3	BBB- Stable
0003212	FLAMBEAU RIVER PAPERS LLC	Industrial	Paper Mills	Mechanical	NO	Chippewa River	Price	SECONDARY BIOLOGICAL	Activated Sludge - Cc	0.38	\$22,220,119	\$3,565,896	\$27,503,475	\$10,759,434	P	
0001848	GEORGIA PACIFIC CONSUMER PRODUCTS LP	Industrial	Paper Mills	Mechanical	NE	Fox River (lower)	Brown	SECONDARY BIOLOGICAL	Activated Sludge - Cc	0.17	\$35,837,145	\$7,179,985	\$44,527,131	\$22,486,178	P	A+
0001261	GEORGIA-PACIFIC CONSUMER PRODUCTS LP	Industrial	Paper Mills	Mechanical	NE	Fox River (lower)	Brown	SECONDARY BIOLOGICAL	Activated Sludge - Cc	0.07	\$25,394,417	\$4,335,927	\$31,465,918	\$13,219,664	P	A+
0000540	KIMBERLY CLARK CORPORATION MARINETTE	Industrial	Paper Mills	Mechanical	NE	Menominee River	Marinette				\$13,389,986	\$1,698,587	\$16,507,175	\$4,926,889	A2 Stable	A Stable
0003450	LIGNO TECH USA, INC.	Industrial	Paper Mills	pH adjustment	WC	Wisconsin River	Marathon	CHEMICAL ADDITION	PH CONTROL	0.21	\$4,207,311	\$311,824	\$5,139,260	\$826,471	P	
0001341	LITTLE RAPIDS CORP SHAWANO SPECIALTY PAPERS	Industrial	Paper Mills	Mechanical	NE	Wolf River	Shawano	SECONDARY BIOLOGICAL	Activated Sludge - Ex	0.13	\$12,109,161	\$1,466,056	\$14,916,248	\$4,219,238	P	
0003034	MULE HIDE MFG. COMPANY	Industrial	Paper Mills	Mechanical	WC	Chippewa River	Chippewa	OTHER	No Treatment		\$892,576	\$32,207	\$1,076,932	\$75,652	P	
0037842	NEENAH PAPER INC NEENAH MILL	Industrial	Paper Mills	Mechanical	NE	Fox River (lower)	Winnebago	SECONDARY BIOLOGICAL	Activated Sludge - Ex	0.26	\$9,412,719	\$1,013,831	\$11,571,536	\$2,861,057	Ba2	BB Stable
0003611	NEENAH PAPER INC WHITING MILL	Industrial	Paper Mills	Mechanical	WC	Wisconsin River	Portage	SECONDARY BIOLOGICAL	Activated Sludge - Cc	0.13	\$5,578,634	\$471,315	\$6,829,640	\$1,276,951	Ba2	BB Stable
0037991	NEWPAGE CORPORATION - WATER QUALITY CENTER	Industrial	Paper Mills	Mechanical	WC	Wisconsin River	Wood	SECONDARY BIOLOGICAL	Activated Sludge - Cc	0.31	\$48,147,388	\$11,063,570	\$59,963,011	\$35,454,994	B2	B+ Neg Watch
0003468	NEWPAGE WISCONSIN SYSTEMS INC	Industrial	Paper Mills	Mechanical	WC	Wisconsin River	Portage	SECONDARY BIOLOGICAL	Activated Sludge - Cc	0.25	\$13,757,884	\$1,767,355	\$16,964,375	\$5,137,194	Ba3 Stable	B+ Neg Watch
0002810	PACKAGING CORPORATION OF AMERICA	Industrial	Paper Mills	Mechanical	NO	Wisconsin River	Lincoln	SECONDARY BIOLOGICAL	OTHER	1.42	\$20,424,223	\$3,151,930	\$25,263,631	\$9,448,136	Baa3 Stable	BBB Stable
0037389	SCA TISSUE NORTH AMERICA LLC	Industrial	Paper Mills	Mechanical	Sc	Fox River (lower)	Winnebago	TERTIARY	SAND FILTER(S)	0.53	\$21,548,563	\$3,409,206	\$26,665,734	\$10,262,089	Baa1	
0000531	ST PAPER LLC	Industrial	Paper Mills	Mechanical	NE	Oconto River	Oconto	SECONDARY BIOLOGICAL	Activated Sludge - Ex	0.42	\$12,109,161	\$1,466,056	\$14,916,248	\$4,219,238	P	
0001031	THE PROCTER & GAMBLE PAPER PRODUCTS CO	Industrial	Paper Mills	Mechanical	NE	Fox River (lower)	Brown	CHEMICAL ADDITION	COAGULATION/FLOC	0.05	\$16,959,078	\$2,400,767	\$20,946,459	\$7,092,991	Aa3	AA- Stable
0000825	THILMANY, LLC	Industrial	Paper Mills	Mechanical	NE	Fox River (lower)	Outagamie	CHEMICAL ADDITION	Activated Sludge - Ex	0.58	\$45,807,835	\$10,785,364	\$57,026,735	\$32,833,454	B1 (WD)	B1 (WD)
0003671	WAUSAU PAPER MILLS, LLC - MOSINEE	Industrial	Paper Mills	Mechanical	WC	Wisconsin River	Marathon	SECONDARY BIOLOGICAL	Activated Sludge - Pn	0.22	\$27,555,300	\$4,886,677	\$34,165,614	\$14,993,913	B2 Stable	B- Stable
0003026	WAUSAU PAPER MILLS, LLC - RHINELANDER	Industrial	Paper Mills	Mechanical	NO	Wisconsin River	Oneida	SECONDARY BIOLOGICAL	Activated Sludge - Cc	0.46	\$526,584,828	\$100,303,419	\$653,146,075	\$314,507,828	Ba3 Positive	BBB Stable

Weyerhaeuser Company

EPA832-B-97-004
March 1997

Combined Sewer Overflows

Guidance For Financial Capability Assessment And Schedule Development

U.S. Environmental Protection Agency
Office of Wastewater Management
Municipal Support Division
Washington, D.C.

Worksheet 1 Instructions

Enter the requested data on lines 100 through 109. The operation and maintenance costs on lines 100 and 103 should include all significant cost categories, such as labor, chemicals, utilities, administration, and equipment replacement. Do not include depreciation on line 100 or line 103. Adjust the projected annual WWT and CSO costs to current dollars using the average annual national Consumer Price Index (CPI) inflation rate for the past five years available from the Bureau of Labor Statistics. The CPI is used as a simple and reliable method of indexing projected WWT costs and household income. For example, if the most recent five year average CPI is 4 percent, and the projected annual O&M and debt service costs will begin in 2 years, adjust the projected costs with the following formula:

$$\text{Adjusted Projected Costs (Current Dollars)} = \text{Projected Costs} \times \text{Adjustment Factor}$$

The adjustment factor can be calculated using the following formula or the present value factor from the table on page 55:

$$\text{Adjustment Factor} = \frac{1}{(1 + \text{CPI})^{\text{years}}} = \frac{1}{(1 + .04)^2} = .925$$

The annualized debt service cost information for the projected WWT facilities and projected CSO controls (Line 104) can be calculated using an annualization factor obtained from the table on page 56, which reflects the local borrowing interest rate and borrowing term of the permittee. For example, if the adjusted projected debt costs (current dollars) are \$25,000,000 and typical borrowing terms include an interest rate of eight percent over 20 years, then costs can be annualized with the following calculation:

$$\text{Annual Debt Service Costs} = \text{Adjusted Debt Costs} \times \text{Annualization Factor}$$

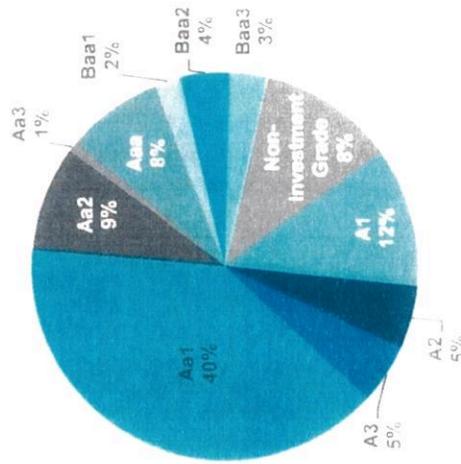
$$\text{Annual Debt Service Cost} = \$25,000,000 \times .1019 = \$2,547,500$$

The annualization factor can be calculated using the following formula:

$$\text{Annualization Factor} = \frac{\text{Interest Rate}}{(1 + \text{Interest Rate})^{\text{years}} - 1} = \frac{\text{Interest Rate}}{(1 + .08)^{20} - 1} = .08 = .1019$$

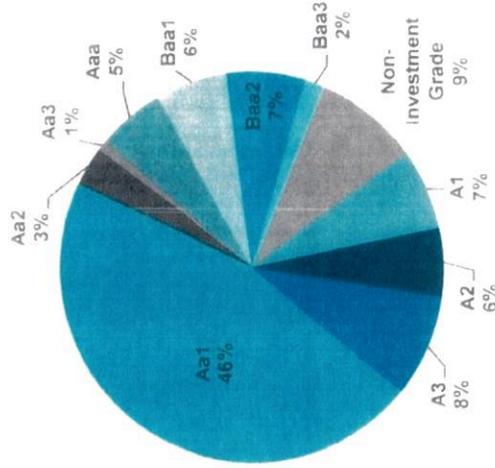
Loan Ratings by Program

Clean Water Program Rating as % of Outstanding Loan Par



EIF Rating Category	Number of Borrowers	Loan Amount	% of Portfolio
AAA	1	\$ 83,350,277	8.0%
AA	10	\$ 10,055,905	49.1%
A	24	\$ 226,249,790	21.8%
BBB	50	\$ 100,918,437	9.7%
Non-Investment Grade	111	\$ 117,930,030	11.4%
Total	196	\$ 1,038,504,439	100%

Leveraged Program Rating as % of Outstanding Loan Par



EIF Rating Category	Number of Borrowers	Loan Amount	% of Portfolio
AAA	1	\$ 40,778,075	5.5%
AA	10	\$ 371,018,949	50.3%
A	33	\$ 153,962,663	20.9%
BBB	55	\$ 108,113,957	14.6%
Non-Investment Grade	89	\$ 64,116,374	8.7%
Total	188	\$ 737,990,019	100%

Note: Loan data as of September 1, 2014. Ratings are based on the EIF's internal credit ratings for local borrowers.

Historical EIF Loan Interest Rates

as of January 1, 2015

Beginning FY2012 Apps

Compliance
Maintenance; New
or Changed
Limits;
Stormwater;
Nonpoint;
Unsewered

Violator;
Industrial;
New Dev'l

Stormwater;
Nonpoint

Beginning FY2010 ITAs
Compliance
Maintenance; New
or Changed Limits;
Drinking Water

Drinking Water
Hardship

Brownfields
Septage Facility;
Wastewater
Hardship

New Money Bond Issue	Delivery	Series	TIC	Market Rate		Unsewered	Stormwater; Nonpoint	Beginning FY2010 ITAs Compliance Maintenance; New or Changed Limits	Compliance Maintenance; New or Changed Limits; Drinking Water	Drinking Water Hardship	Brownfields Septage Facility; Wastewater Hardship
				100.00%	Percent of Market Rate						
225,000,000	4/3/91	1991-1		5.90%	75.00%	70.00%	65.00%	60.00%	55.00%	33.00%	0%
84,345,000	9/15/93	1993-1		5.80%	-	4.830%	4.485%	-	3.795%	2.277%	0.000%
80,000,000	7/19/95	1995-1		5.60%	-	4.060%	3.770%	-	3.190%	1.914%	0.000%
80,000,000	2/11/97	1997-1		5.45%	-	3.920%	3.640%	-	3.080%	1.848%	0.000%
90,000,000	2/12/98	1998-1		4.80%	-	3.815%	3.543%	-	2.998%	1.799%	0.000%
80,000,000	9/9/99	1999-1		5.40%	-	3.360%	3.120%	-	2.640%	1.584%	0.000%
70,000,000	4/18/01	2001-1		5.00%	-	3.780%	3.510%	-	2.970%	1.782%	0.000%
100,000,000	5/14/02	2002-1	4.8216%	5.00%	-	3.500%	3.250%	-	2.750%	1.650%	0.000%
100,000,000	3/3/04	2004-1	3.9317%	4.30%	-	3.500%	3.250%	-	2.750%	1.650%	0.000%
80,000,000	3/16/06	2006-1	4.2789%	4.30%	-	3.010%	2.795%	-	2.365%	1.419%	0.000%
100,000,000	11/7/06	2006-2	4.3632%	4.50%	-	3.150%	2.925%	-	2.475%	1.485%	0.000%
100,000,000	2/12/08	2008-1	4.1888%	4.30%	-	3.010%	2.795%	-	2.365%	1.419%	0.000%
92,210,000	12/11/08	2008-3	4.7759%	4.85%	-	3.395%	3.153%	2.910%	2.668%	1.601%	0.000%
117,105,000	2/25/10	2010-1&3	3.7770%	4.00%	-	2.800%	2.600%	2.400%	2.200%	1.320%	0.000%
116,290,000	1/18/10	2010-4	3.7686%	4.00%	3.000%	2.800%	2.600%	2.400%	2.200%	1.320%	0.000%
55,000,000	7/26/12	2012-1	3.1178%	3.50%	2.625%	-	-	-	1.925%	1.155%	0.000%
N/A ²	N/A ²	N/A ²		3.00%	2.250%	-	-	-	-	0.990%	0.000%
1,569,950,000	Historic Average Loan Rate:			4.856%	2.813%	3.463%	3.215%	2.570%	2.671%		
	75% of Historic Market Rate			3.642%							

NOTES

¹Brownfield remediation loans discontinued in 2009

²The market rate is being changed to reflect current market conditions since we don't have any proceeds from the 2012-1 issue

SENSITIVITY ANALYSIS

Updated Customer Analysis

Base Analysis, 2.87% EIF, 5.02% OMB, Average MHI				
10% Cash Funded	\$ 2,650,029,002.05	42	72	
	Total Capital & Debt	Counties above 2.0%	Total Counties	% of Counties
5% Cash Funded	\$ 2,704,747,555.34	39	72	54.2%
10% Cash Funded	\$ 2,650,029,002.05	42	72	58.3%
15% Cash Funded	\$ 2,595,310,448.76	43	72	59.7%
20% Cash Funded	\$ 2,540,591,895.47	47	72	65.3%
25% Cash Funded	\$ 2,485,873,342.17	53	72	73.6%
	Total Capital & Debt	Counties above 2.0%	Total Counties	% of Counties
1% Increase in Borrowing Rate ¹	\$ 2,442,759,198.48	42	72	58.3%
1% Decrease in Borrowing Rate ¹	\$ 2,866,210,076.78	42	72	58.3%
	Total Capital & Debt	Counties above 2.0%	Total Counties	% of Counties
+25% Construction Cost ¹	\$ 4,109,692,302.44	47	72	65.3%
-10% Construction Cost ¹	\$ 2,154,254,406.12	39	72	54.2%

Change in Total Cost	% Change	Cost per Year
\$ 54,718,553.29	2.023%	\$ 2,735,927.66
\$ -	0.000%	\$ -
\$ (54,718,553.29)	-2.108%	\$ (2,735,927.66)
\$ (109,437,106.58)	-4.308%	\$ (5,471,855.33)
\$ (164,155,659.88)	-6.604%	\$ (8,207,782.99)
Change in Total Cost	% Change	Cost per Year
\$ (207,269,803.57)	-8.485%	\$ (10,363,490.18)
\$ 216,181,074.73	7.542%	\$ 10,809,053.74
Change in Total Cost	% Change	Cost per Year
\$ 1,459,663,300.39	35.518%	\$ 72,983,165.02
\$ (495,774,595.93)	-23.014%	\$ (24,788,729.80)

1 - Scenario ran at base scenario, 10% cash funded

Residential Analysis

Alternative Base Analysis, 2.87% EIF, 5.02% OMB, Average MHI				
10% Cash Funded	\$ 2,650,029,002.05	30	72	
	Total Capital & Debt	Counties above 2.0%	Total Counties	% of Counties
5% Cash Funded	\$ 2,704,747,555.34	23	72	31.9%
10% Cash Funded	\$ 2,650,029,002.05	30	72	41.7%
15% Cash Funded	\$ 2,595,310,448.76	35	72	48.6%
20% Cash Funded	\$ 2,540,591,895.47	36	72	50.0%
25% Cash Funded	\$ 2,485,873,342.17	37	72	51.4%
	Total Capital & Debt	Counties above 2.0%	Total Counties	% of Counties
1% Increase in Borrowing Rate ¹	\$ 2,442,759,198.48	28	72	38.9%
1% Decrease in Borrowing Rate ¹	\$ 2,866,210,076.78	32	72	44.4%
	Total Capital & Debt	Counties above 2.0%	Total Counties	% of Counties
+25% Construction Cost ¹	\$ 4,109,692,302.44	36	72	50.0%
-10% Construction Cost ¹	\$ 2,154,254,406.12	24	72	33.3%

Change in Total Cost	% Change	Cost per Year
\$ 54,718,553.29	2.023%	\$ 2,735,927.66
\$ -	0.000%	\$ -
\$ (54,718,553.29)	-2.108%	\$ (2,735,927.66)
\$ (109,437,106.58)	-4.308%	\$ (5,471,855.33)
\$ (164,155,659.88)	-6.604%	\$ (8,207,782.99)
Change in Total Cost	% Change	Cost per Year
\$ (207,269,803.57)	-8.485%	\$ (10,363,490.18)
\$ 216,181,074.73	7.542%	\$ 10,809,053.74
Change in Total Cost	% Change	Cost per Year
\$ 1,459,663,300.39	35.518%	\$ 72,983,165.02
\$ (495,774,595.93)	-23.014%	\$ (24,788,729.80)

RESIDENTIAL ANALYSIS BY COUNTY

Appendix F - Residential Analysis by County

County	Sum of Customers	Sum of Pop.	Average of Sewer Charge based on 55000	Sum of Sewer Utility Budget for 2013	Sum of Max Debt Payments for 2013	Average of Median Household Income 2013	Percent Residential Revenue	Percent Residential Customer	Inflationary O & M	Additional O & M for Phos Removal	Total Additional O & M	Annual Capital Debt and Cash for Phos Removal	Average Annual Cost for Phos Removal	Total New Sanitary Budget Required	(RES %)	Yearly Change in MHI	MHI Projection 20 years	RHI
Adams	872	3,408	\$ 448.44	\$ 600,000	\$ -	\$ 34,643	70%	86%	\$ 18,000.00	\$ -	\$ 18,000.00	\$ -	\$ -	\$ 618,000.00	\$ 432,600	2.645%	\$ 35,559	1.62%
Ashland	3,980	10,586	\$ 357.55	\$ 1,871,490	\$ 79,631	\$ 31,964	67%	86%	\$ 56,144.70	\$ 129,919.08	\$ 186,063.78	\$ 303,098.01	\$ 433,017.08	\$ 2,440,282.50	\$ 1,626,855	1.684%	\$ 32,502	1.46%
Barron	7,787	22,181	\$ 363.14	\$ 3,885,266	\$ 14,921	\$ 39,410	67%	86%	\$ 116,557.97	\$ 391,444.31	\$ 508,002.28	\$ 2,817,208.97	\$ 3,208,653.28	\$ 7,225,397.42	\$ 4,841,016	1.399%	\$ 39,961	1.81%
Bayfield	1,550	3,667	\$ 554.68	\$ 1,304,011	\$ 85,312	\$ 37,812	70%	86%	\$ 39,120.32	\$ 114,534.74	\$ 153,655.06	\$ 617,653.34	\$ 732,188.08	\$ 2,160,631.33	\$ 1,512,442	2.662%	\$ 38,818	2.92%
Brown	46,224	147,211	\$ 482.37	\$ 32,909,977	\$ 6,191,387	\$ 61,088	66%	86%	\$ 987,299.31	\$ 4,158,123.23	\$ 5,145,422.54	\$ 9,865,003.29	\$ 14,023,126.52	\$ 54,111,789.81	\$ 35,630,532	1.105%	\$ 61,763	1.44%
Buffalo	1,343	3,724	\$ 419.97	\$ 601,700	\$ 16,554	\$ 40,105	67%	86%	\$ 18,051.00	\$ 186,436.74	\$ 204,487.74	\$ 1,757,009.30	\$ 1,943,446.04	\$ 2,579,750.68	\$ 1,719,834	2.106%	\$ 40,950	3.64%
Burnett	816	2,147	\$ 497.40	\$ 252,468	\$ 22,367	\$ 31,844	70%	86%	\$ 7,574	\$ 53,587	\$ 61,161	\$ 532,605	\$ 586,192	\$ 868,601	\$ 608,021	1.202%	\$ 32,227	2.69%
Calumet	5,523	16,145	\$ 398.07	\$ 3,373,642	\$ 297,357	\$ 57,635	66%	86%	\$ 101,209	\$ 817,996	\$ 919,205	\$ 4,061,454	\$ 4,879,450	\$ 8,651,658	\$ 5,685,375	1.838%	\$ 58,694	2.04%
Chippewa	4,082	10,921	\$ 574.74	\$ 2,135,993	\$ 193,565	\$ 41,573	68%	86%	\$ 64,080	\$ 319,954	\$ 384,034	\$ 1,876,631	\$ 2,196,585	\$ 4,590,223	\$ 3,136,653	2.128%	\$ 42,458	2.10%
Clark	4,914	11,682	\$ 648.98	\$ 3,046,972	\$ 190,465	\$ 38,588	69%	86%	\$ 91,409	\$ -	\$ 91,409	\$ -	\$ -	\$ 3,328,846	\$ 2,293,205	1.935%	\$ 39,334	1.38%
Columbia	11,184	34,376	\$ 486.04	\$ 7,117,907	\$ 638,314	\$ 48,010	67%	86%	\$ 213,537	\$ 527,417	\$ 740,954	\$ 2,701,965	\$ 3,229,381	\$ 11,199,139	\$ 7,466,093	2.195%	\$ 49,064	1.58%
Crawford	3,122	9,964	\$ 328.04	\$ 1,738,423	\$ 84,092	\$ 40,194	69%	86%	\$ 52,153	\$ 332,363	\$ 384,516	\$ 2,488,774	\$ 2,821,137	\$ 4,695,805	\$ 3,228,366	1.825%	\$ 40,928	2.94%
Dane	100,025	374,571	\$ 332.36	\$ 79,449,846	\$ 16,063,644	\$ 67,049	63%	87%	\$ 2,383,495	\$ 8,571,413	\$ 10,954,908	\$ 33,109,500	\$ 41,680,913	\$ 139,577,898	\$ 87,867,610	1.953%	\$ 68,359	1.48%
Dodge	24,580	75,698	\$ 597.66	\$ 16,928,264	\$ 3,363,828	\$ 49,398	67%	86%	\$ 507,848	\$ 2,218,039	\$ 2,725,886	\$ 9,859,603	\$ 12,077,641	\$ 32,877,581	\$ 22,126,612	1.342%	\$ 50,061	2.08%
Door	7,431	16,364	\$ 541.11	\$ 4,751,851	\$ 69,690	\$ 48,749	65%	86%	\$ 142,556	\$ 293,171	\$ 435,726	\$ 423,208	\$ 716,378	\$ 5,680,475	\$ 3,692,308	2.304%	\$ 49,872	1.16%
Douglas	12,435	31,087	\$ 512.47	\$ 6,118,313	\$ 479,979	\$ 46,735	68%	87%	\$ 183,549	\$ 476,284	\$ 659,833	\$ 970,287	\$ 1,446,571	\$ 8,228,412	\$ 5,595,320	2.226%	\$ 47,776	1.09%
Dunn	5,188	18,943	\$ 426.40	\$ 3,152,195	\$ 982,340	\$ 36,060	68%	87%	\$ 94,566	\$ 345,407	\$ 439,973	\$ 1,461,673	\$ 1,807,080	\$ 6,036,181	\$ 4,104,603	2.013%	\$ 36,786	2.49%
Eau Claire	1,226	3,382	\$ 600.79	\$ 449,181	\$ -	\$ 39,129	70%	86%	\$ 13,475	\$ 60,881	\$ 74,357	\$ 675,479	\$ 736,361	\$ 1,199,017	\$ 839,312	1.740%	\$ 39,810	2.00%
Florence	270	1,200	\$ 369.50	\$ 110,000	\$ -	\$ 22,045	70%	86%	\$ 3,300	\$ -	\$ 3,300	\$ -	\$ -	\$ 113,300	\$ 79,310	2.924%	\$ 22,690	1.51%
Fond Du Lac	25,019	61,337	\$ 588.58	\$ 17,438,942	\$ 4,518,987	\$ 51,068	67%	86%	\$ 523,168	\$ 1,639,268	\$ 2,162,436	\$ 8,233,133	\$ 9,872,401	\$ 32,353,499	\$ 21,757,728	1.391%	\$ 51,778	1.94%
Forest	291	850	\$ 434.10	\$ 50,000	\$ -	\$ 31,544	70%	86%	\$ 1,500	\$ -	\$ 1,500	\$ -	\$ -	\$ 51,500	\$ 36,050	1.907%	\$ 32,146	0.45%
Grant	11,860	35,968	\$ 367.30	\$ 6,242,305	\$ 497,838	\$ 46,200	69%	86%	\$ 187,269	\$ 1,155,247	\$ 1,342,516	\$ 8,050,346	\$ 9,205,592	\$ 16,133,005	\$ 11,051,108	2.268%	\$ 47,248	2.29%
Green	7,447	20,517	\$ 531.47	\$ 5,665,189	\$ 2,181,796	\$ 49,356	68%	86%	\$ 169,956	\$ 836,369	\$ 1,006,325	\$ 4,960,346	\$ 5,796,715	\$ 13,813,656	\$ 9,324,218	2.199%	\$ 50,441	2.89%
Green Lake	4,923	10,309	\$ 466.24	\$ 3,550,652	\$ 182,682	\$ 41,839	68%	86%	\$ 106,520	\$ 358,250	\$ 464,769	\$ 2,326,641	\$ 2,684,891	\$ 6,524,744	\$ 4,436,826	1.468%	\$ 42,453	2.47%
Iowa	5,428	8,607	\$ 461.19	\$ 1,817,313	\$ 351,790	\$ 48,425	68%	86%	\$ 54,519	\$ 474,519	\$ 529,039	\$ 3,293,901	\$ 3,768,421	\$ 5,992,043	\$ 4,074,589	2.377%	\$ 49,576	1.76%
Iron	913	2,047	\$ 743.49	\$ 761,104	\$ -	\$ 24,767	70%	86%	\$ 22,833	\$ 15,667	\$ 38,500	\$ 129,942	\$ 145,609	\$ 929,546	\$ 650,682	2.463%	\$ 25,377	3.27%
Jackson	2,219	6,032	\$ 386.55	\$ 1,875,679	\$ 124,136	\$ 36,347	69%	86%	\$ 56,270	\$ 266,255	\$ 322,525	\$ 2,350,303	\$ 2,616,558	\$ 4,672,643	\$ 3,204,098	1.369%	\$ 36,845	4.56%
Jefferson	13,386	38,353	\$ 540.85	\$ 8,569,245	\$ 692,973	\$ 56,131	66%	86%	\$ 257,077	\$ 2,019,584	\$ 2,276,662	\$ 8,206,749	\$ 10,226,333	\$ 19,745,628	\$ 12,992,623	1.387%	\$ 56,910	1.98%
Juneau	4,378	12,417	\$ 476.19	\$ 3,110,051	\$ 380,668	\$ 42,884	69%	86%	\$ 93,302	\$ 563,720	\$ 657,021	\$ 4,054,347	\$ 4,618,067	\$ 8,202,087	\$ 5,650,326	2.169%	\$ 43,814	3.43%
Kenosha	45,275	154,231	\$ 458.25	\$ 23,464,758	\$ 2,288,880	\$ 60,862	63%	86%	\$ 703,943	\$ 1,439,692	\$ 2,143,634	\$ 4,702,709	\$ 6,142,400	\$ 32,599,980	\$ 20,574,210	1.304%	\$ 61,656	0.85%
Kewaunee	2,146	5,201	\$ 547.91	\$ 1,510,484	\$ 89,343	\$ 50,298	67%	86%	\$ 45,315	\$ 265,958	\$ 311,273	\$ 1,564,600	\$ 1,830,558	\$ 3,475,699	\$ 2,317,133	1.714%	\$ 51,160	2.45%
La Crosse	27,135	126,557	\$ 447.51	\$ 11,740,323	\$ 232,683	\$ 54,982	65%	87%	\$ 352,210	\$ 1,548,758	\$ 1,900,967	\$ 10,457,226	\$ 12,005,984	\$ 24,331,200	\$ 15,717,955	2.313%	\$ 56,254	1.19%
Lafayette	3,246	8,074	\$ 609.57	\$ 2,096,683	\$ 518,043	\$ 41,137	70%	86%	\$ 62,900	\$ 270,771	\$ 333,671	\$ 2,923,117	\$ 3,193,888	\$ 5,871,514	\$ 4,110,060	2.457%	\$ 42,147	3.49%
Langlade	3,039	8,618	\$ 309.19	\$ 2,005,236	\$ 37,420	\$ 31,424	65%	86%	\$ 60,157	\$ 345,321	\$ 405,478	\$ 1,601,457	\$ 1,946,779	\$ 4,049,591	\$ 2,632,234	2.139%	\$ 32,096	3.14%
Lincoln	4,729	13,432	\$ 459.46	\$ 1,994,402	\$ 14,070	\$ 42,533	60%	86%	\$ 59,832	\$ -	\$ 59,832	\$ -	\$ -	\$ 2,068,304	\$ 1,240,982	1.947%	\$ 43,361	0.70%
Manitowoc	21,763	59,720	\$ 534.03	\$ 13,539,402	\$ 2,530,998	\$ 51,863	68%	86%	\$ 406,182	\$ 986,740	\$ 1,392,922	\$ 3,332,788	\$ 4,319,529	\$ 20,796,111	\$ 14,052,229	0.994%	\$ 52,378	1.43%
Marathon	28,516	87,514	\$ 347.92	\$ 11,531,086	\$ 171,516	\$ 52,354	65%	86%	\$ 345,933	\$ 765,149	\$ 1,111,081	\$ 4,975,780	\$ 5,740,929	\$ 17,789,464	\$ 11,576,836	1.396%	\$ 53,085	0.88%
Marinette	4,893	13,870	\$ 508.31	\$ 1,909,070	\$ 101,724	\$ 32,021	67%	87%	\$ 57,272	\$ 53,480	\$ 110,752	\$ 355,860	\$ 409,340	\$ 2,477,406	\$ 1,659,862	1.142%	\$ 32,386	1.21%
Marquette	1,727	4,203	\$ 327.64	\$ 516,381	\$ 5,471	\$ 41,701	70%	86%	\$ 15,491	\$ 54,496	\$ 69,987	\$ 510,826	\$ 565,322	\$ 1,102,665	\$ 771,866	2.223%	\$ 42,628	1.22%
Menominee	1,220	4,317	\$ -	\$ -	\$ -	\$ 33,333	60%	86%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	1.017%	\$ 33,672	0.00%
Milwaukee	372,931	946,889	\$ 3,512.76	\$ 197,635,242	\$ 119,045,021	\$ 53,894	59%	88%	\$ 5,929,057	\$ 4,826,901	\$ 10,755,959	\$ 3,406,243	\$ 8,233,144	\$ 330,842,465	\$ 194,094,246	1.028%	\$ 54,449	1.09%
Monroe	7,587	21,553	\$ 560.23	\$ 4,624,408	\$ 375,920	\$ 39,096	67%	86%	\$ 2,863,656	\$ 685,826	\$ 3,549,482	\$ 4,917,281	\$ 5,603,107	\$ 13,467,090	\$ 9,042,189	1.934%	\$ 39,853	3.48%
Oconto	4,377	11,278	\$ 491.56	\$ 1,899,484	\$ 730,302	\$ 49,539	69%	86%	\$ 56,985	\$ 244,270	\$ 301,254	\$ 901,750	\$ 1,146,020	\$ 3,832,790	\$ 2,628,199	1.944%	\$ 50,502	1.38%
Oneida	4,929	12,429	\$ 597.53	\$ 2,721,228	\$ 978,336	\$ 40,305	63%	86%	\$ 81,637	\$ 162,326	\$ 243,962	\$ 436,743	\$ 599,068	\$ 4,380,269	\$ 2,774,170	1.664%	\$ 40,976	1.60%
Outagamie	53,112	154,558	\$ 494.79	\$ 29,292,006	\$ 4,295,743	\$ 55,959	62%	87%	\$ 878,760	\$ 1,750,948	\$ 2,629,708	\$ 5,948,281	\$ 7,699,229	\$ 42,165,738	\$ 26,337,369	1.350%	\$ 56,714	1.01%
Ozaukee	16,421	45,981	\$ 357.38	\$ 8,879,188	\$ 407,932	\$ 62,684	62%	87%	\$ 266,376	\$ 1,538,795	\$ 1,805,171	\$ 6,255,491	\$ 7,794,287	\$ 17,347,782	\$ 10,805,190	1.558%	\$ 63,661	1.19%
Pepin	1,228	3,066	\$ 383.61	\$ 151,211	\$ 3,744	\$ 40,263	70%	86%	\$ 4,536	\$ 43,906	\$ 48,442	\$ 567,633	\$ 611,539	\$ 771,030	\$ 539,721	2.064%	\$ 41,094	1.24%
Pierce	7,974	24,222	\$ 511.71	\$ 5,082,483	\$ 347,062	\$ 53,542	66%	87%	\$ 152,474	\$ 290,186	\$ 442,661	\$ 2,195,059	\$ 2,485,246	\$ 8,067,265	\$ 5,351,286	1.502%	\$ 54,346	1.43%
Polk	3,607	10,174	\$ 451.85	\$ 1,580,252	\$ 361,768	\$ 41,930	70%	86%	\$ 47,408	\$ 261,336	\$ 308,744	\$ 2,148,241	\$ 2,409,577	\$ 4,399,004	\$ 3,079,303	1.374%	\$ 42,506	2.34%
Portage	13,145	41,073	\$ 339.17	\$ 6,335,005	\$ 851,300	\$ 45,074	66%	87%	\$ 190,050	\$ 388,258	\$ 578,308	\$ 714,083	\$ 1,102,341	\$ 8,478,696	\$ 5,624,202	1.328%	\$ 45,672	1.08%
Price	2,377	5,394	\$ 433.63	\$ 850,347	\$ 122,948	\$ 35,855	68%	86%	\$ 25,510	\$ 177,575	\$ 203,085	\$ 1,074,314	\$ 1,251,888	\$ 2,250,694	\$ 1,530,472	1.614%	\$ 36,434	2.05%
Racine	53,100	130,440	\$ 392.78	\$ 29,289,625	\$ 9,297,480	\$ 54,367	64%	87%	\$ 878,689	\$ 2,156,598	\$ 3,035,286	\$ 7,980,574	\$ 10,137,172	\$ 49,602,966	\$ 31,580,555	0.965%	\$ 54,892	1.25%
Richland	2,364	6,699	\$ 448.94	\$ 3,035,114	\$ 307,102	\$ 37,846	68%	86%	\$ 91,053	\$ 394,762	\$ 485,816	\$ 1,484,868	\$ 1,879,630	\$ 5,312,899	\$ 3,612,771	2.551%	\$ 38,811	4.58%
Rock	46,843	130,569	\$ 440.30	\$ 22,590,438	\$ 3,767,210	\$ 50,269												

Appendix F - Residential Analysis by County

County	Sum of Customers	Sum of Pop.	Average of Sewer Charge based on 55000	Sum of Sewer Utility Budget for 2013	Sum of Max Debt Payments for 2013	Average of Median Household Income 2013	Percent Residential Revenue	Percent Residential Customer	Inflationary O & M	Additional O & M for Phos Removal	Total Additional O & M	Annual Capital Debt and Cash for Phos Removal	Average Annual Cost for Phos Removal	Total New Sanitary Budget Required	(RES %)	Yearly Change in MHI	MHI Projection 20 years	RHI
Waupaca	9,499	26,863	\$ 469.34	\$ 8,974,947	\$ 148,368	\$ 40,683	67%	86%	\$ 269,248	\$ 515,673	\$ 784,922	\$ 1,331,558	\$ 1,847,231	\$ 11,239,794	\$ 7,561,316	1.593%	\$ 41,331	2.24%
Waushara	1,568	5,209	\$ 695.93	\$ 1,553,018	\$ 38,154	\$ 32,572	70%	86%	\$ 46,591	\$ 226,588	\$ 273,179	\$ 1,280,785	\$ 1,507,373	\$ 3,145,135	\$ 2,201,595	1.864%	\$ 33,179	4.92%
Winnebago	50,330	142,974	\$ 451.38	\$ 34,015,075	\$ 2,321,547	\$ 43,548	65%	87%	\$ 1,020,452	\$ 4,056,662	\$ 5,077,115	\$ 15,402,703	\$ 19,459,366	\$ 56,816,440	\$ 36,799,571	1.262%	\$ 44,098	1.91%
Wood	17,147	47,147	\$ 578.31	\$ 12,499,395	\$ 3,895,492	\$ 45,481	66%	87%	\$ 374,982	\$ 1,376,167	\$ 1,751,149	\$ 6,135,234	\$ 7,511,401	\$ 24,281,270	\$ 16,079,596	1.681%	\$ 46,246	2.34%
Grand Total	1,321,223	3,882,346	\$ 504.33	\$ 780,887,808	\$ 206,510,671	\$ 47,751	66%	86%	\$ 26,151,558	\$ 66,947,770	\$ 93,099,328	\$ 276,765,031	\$ 343,712,801	\$ 1,357,262,838	\$ 863,094,274	1.764%	\$ 53,338	1.419%
Total Counties																		72
Counties above 2%																		30

County	Adams	Projected Capital Cost for Phosphorus Removal for County	\$	-
100	Existing Operations and Maintenance Cost		\$	600,000.00
101	Existing Annual Debt Service		\$	-
102	Subtotal (100+101)		\$	600,000.00
	a) Inflation to the existing O & M Costs		\$	18,000.00
	b) Additional Operations and Maintenance for new Phosphorous Facilities		\$	-
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	18,000.00
104	Estimated Additional Annual Debt Service, plus cash funding		\$	-
105	Subtotal (103+104)		\$	18,000.00
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	618,000.00
107	Customer Share of the Costs (%*106)	100.00%	\$	618,000.00
108	Number of Customers			872
109	Cost Per Customer (107/108)		\$	708.72
201	Current MHI		\$	34,643.00
202	Annual MHI Inflator			1.02645
203	Adjusted MHI (201*202)		\$	35,559.44
204	Annual Cost per Customer (line 109 above)		\$	708.72
205	Affordability Indicator (204/203)			1.99%

State Population Growth Rate	0.5%	County Population Growth Rate	9.9%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-14.3%	
State Unemployment	4.7%	County Unemployment Rate	7.3%	
State Poverty Rate	13.0%	County Poverty Rate	10.6%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Ashland	Projected Capital Cost for Phosphorus Removal for County	\$	1,641,006.48
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100	Existing Operations and Maintenance Cost		\$	1,871,490.00
101	Existing Annual Debt Service		\$	79,630.72
102	Subtotal (100+101)		\$	1,951,120.72
	a) Inflation to the existing O & M Costs	\$ 56,144.70		
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 129,919.08		
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	186,063.78
104	Estimated Additional Annual Debt Service, plus cash funding		\$	310,765.37
105	Subtotal (103+104)		\$	496,829.15
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	2,447,949.87
107	Customer Share of the Costs (%*106)	100.00%	\$	2,447,949.87
108	Number of Customers			3980
109	Cost Per Customer (107/108)		\$	615.06
201	Current MHI		\$	31,964.00
202	Annual MHI Inflator			1.01684
203	Adjusted MHI (201*202)		\$	32,502.12
204	Annual Cost per Customer (line 109 above)		\$	615.06
205	Affordability Indicator (204/203)			1.89%

State Population Growth Rate	0.5%	County Population Growth Rate	-5.0%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-26.4%	
State Unemployment	4.7%	County Unemployment Rate	6.3%	
State Poverty Rate	13.0%	County Poverty Rate	18.8%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Barron	Projected Capital Cost for Phosphorus Removal for County	\$	15,252,684.31
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100	Existing Operations and Maintenance Cost		\$	3,885,265.51
101	Existing Annual Debt Service		\$	14,920.66
102	Subtotal (100+101)		\$	3,900,186.17
	a) Inflation to the existing O & M Costs		\$	116,557.97
	b) Additional Operations and Maintenance for new Phosphorous Facilities		\$	391,444.31
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	508,002.28
104	Estimated Additional Annual Debt Service, plus cash funding		\$	2,888,474.97
105	Subtotal (103+104)		\$	3,396,477.24
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	7,296,663.42
107	Customer Share of the Costs (%*106)	100.00%	\$	7,296,663.42
108	Number of Customers			7787
109	Cost Per Customer (107/108)		\$	937.06
201	Current MHI		\$	39,409.78
202	Annual MHI Inflator			1.01399
203	Adjusted MHI (201*202)		\$	39,961.10
204	Annual Cost per Customer (line 109 above)		\$	937.06
205	Affordability Indicator (204/203)			2.34%

State Population Growth Rate	0.5%	County Population Growth Rate	1.6%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-15.9%	
State Unemployment	4.7%	County Unemployment Rate	5.1%	
State Poverty Rate	13.0%	County Poverty Rate	12.8%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Bayfield	Projected Capital Cost for Phosphorus Removal for County	\$	3,344,044.23
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100	Existing Operations and Maintenance Cost		\$	1,304,010.68
101	Existing Annual Debt Service		\$	85,312.25
102	Subtotal (100+101)		\$	1,389,322.93
	a) Inflation to the existing O & M Costs		\$	39,120.32
	b) Additional Operations and Maintenance for new Phosphorous Facilities		\$	114,534.74
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	153,655.06
104	Estimated Additional Annual Debt Service, plus cash funding		\$	633,277.91
105	Subtotal (103+104)		\$	786,932.97
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	2,176,255.91
107	Customer Share of the Costs (%*106)	100.00%	\$	2,176,255.91
108	Number of Customers			1550
109	Cost Per Customer (107/108)		\$	1,404.04
201	Current MHI		\$	37,811.83
202	Annual MHI Inflator			1.02662
203	Adjusted MHI (201*202)		\$	38,818.30
204	Annual Cost per Customer (line 109 above)		\$	1,404.04
205	Affordability Indicator (204/203)			3.62%

State Population Growth Rate	0.5%	County Population Growth Rate	1.0%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-14.3%	
State Unemployment	4.7%	County Unemployment Rate	9.2%	
State Poverty Rate	13.0%	County Poverty Rate	13.5%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Brown	Projected Capital Cost for Phosphorus Removal for County	\$ 53,410,230.60
100	Existing Operations and Maintenance Cost		\$ 32,909,977.00
101	Existing Annual Debt Service		\$ 6,191,386.98
102	Subtotal (100+101)		\$ 39,101,363.98
	a) Inflation to the existing O & M Costs	\$ 987,299.31	
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 4,158,123.23	
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$ 5,145,422.54
104	Estimated Additional Annual Debt Service, plus cash funding		\$ 10,114,554.99
105	Subtotal (103+104)		\$ 15,259,977.53
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$ 54,361,341.51
107	Customer Share of the Costs (%*106)	100.00%	\$ 54,361,341.51
108	Number of Customers		46224
109	Cost Per Customer (107/108)		\$ 1,176.05
201	Current MHI		\$ 61,088.00
202	Annual MHI Inflator		1.01105
203	Adjusted MHI (201*202)		\$ 61,763.01
204	Annual Cost per Customer (line 109 above)		\$ 1,176.05
205	Affordability Indicator (204/203)		1.90%

State Population Growth Rate	0.5%	County Population Growth Rate	12.3%
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	1.3%
State Unemployment	4.7%	County Unemployment Rate	4.2%
State Poverty Rate	13.0%	County Poverty Rate	11.5%

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Buffalo	Projected Capital Cost for Phosphorus Removal for County	\$	9,512,644.78
100	Existing Operations and Maintenance Cost		\$	601,700.00
101	Existing Annual Debt Service		\$	16,553.64
102	Subtotal (100+101)		\$	618,253.64
	a) Inflation to the existing O & M Costs		\$	18,051.00
	b) Additional Operations and Maintenance for new Phosphorous Facilities		\$	186,436.74
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	204,487.74
104	Estimated Additional Annual Debt Service, plus cash funding		\$	1,801,455.78
105	Subtotal (103+104)		\$	2,005,943.52
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	2,624,197.16
107	Customer Share of the Costs (%*106)	100.00%	\$	2,624,197.16
108	Number of Customers			1343
109	Cost Per Customer (107/108)		\$	1,954.27
201	Current MHI		\$	40,105.33
202	Annual MHI Inflator			1.02106
203	Adjusted MHI (201*202)		\$	40,949.90
204	Annual Cost per Customer (line 109 above)		\$	1,954.27
205	Affordability Indicator (204/203)			4.77%

State Population Growth Rate	0.5%	County Population Growth Rate	-3.2%
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-9.6%
State Unemployment	4.7%	County Unemployment Rate	4.4%
State Poverty Rate	13.0%	County Poverty Rate	12.0%

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Burnett	Projected Capital Cost for Phosphorus Removal for County	\$	2,883,581.85
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100	Existing Operations and Maintenance Cost		\$	252,468.00
101	Existing Annual Debt Service		\$	22,367.15
102	Subtotal (100+101)		\$	274,835.15
	a) Inflation to the existing O & M Costs	\$ 7,574.04		
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 53,587.24		
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	61,161.28
104	Estimated Additional Annual Debt Service, plus cash funding		\$	546,077.91
105	Subtotal (103+104)		\$	607,239.19
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	882,074.34
107	Customer Share of the Costs (%*106)	100.00%	\$	882,074.34
108	Number of Customers			816
109	Cost Per Customer (107/108)		\$	1,080.97
201	Current MHI		\$	31,844.00
202	Annual MHI Inflator			1.01202
203	Adjusted MHI (201*202)		\$	32,226.70
204	Annual Cost per Customer (line 109 above)		\$	1,080.97
205	Affordability Indicator (204/203)			3.35%

State Population Growth Rate	0.5%	County Population Growth Rate	-2.2%
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-24.5%
State Unemployment	4.7%	County Unemployment Rate	6.7%
State Poverty Rate	13.0%	County Poverty Rate	17.1%

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Calumet	Projected Capital Cost for Phosphorus Removal for County	\$	21,989,165.97
100	Existing Operations and Maintenance Cost		\$	3,373,642.00
101	Existing Annual Debt Service		\$	297,357.08
102	Subtotal (100+101)		\$	3,670,999.08
	a) Inflation to the existing O & M Costs		\$	101,209.26
	b) Additional Operations and Maintenance for new Phosphorous Facilities		\$	817,995.99
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	919,205.25
104	Estimated Additional Annual Debt Service, plus cash funding		\$	4,164,195.25
105	Subtotal (103+104)		\$	5,083,400.50
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	8,754,399.57
107	Customer Share of the Costs (%*106)	100.00%	\$	8,754,399.57
108	Number of Customers			5523
109	Cost Per Customer (107/108)		\$	1,585.08
201	Current MHI		\$	57,635.00
202	Annual MHI Inflator			1.01838
203	Adjusted MHI (201*202)		\$	58,694.35
204	Annual Cost per Customer (line 109 above)		\$	1,585.08
205	Affordability Indicator (204/203)			2.70%

State Population Growth Rate	0.5%	County Population Growth Rate	22.1%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	24.3%	
State Unemployment	4.7%	County Unemployment Rate	3.5%	
State Poverty Rate	13.0%	County Poverty Rate	6.4%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Chippewa	Projected Capital Cost for Phosphorus Removal for County	\$	10,160,291.36
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100	Existing Operations and Maintenance Cost		\$	2,135,993.00
101	Existing Annual Debt Service		\$	193,565.00
102	Subtotal (100+101)		\$	2,329,558.00
	a) Inflation to the existing O & M Costs		\$	64,079.79
	b) Additional Operations and Maintenance for new Phosphorous Facilities		\$	319,954.25
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	384,034.04
104	Estimated Additional Annual Debt Service, plus cash funding		\$	1,924,103.76
105	Subtotal (103+104)		\$	2,308,137.80
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	4,637,695.80
107	Customer Share of the Costs (%*106)	100.00%	\$	4,637,695.80
108	Number of Customers			4082
109	Cost Per Customer (107/108)		\$	1,136.13
201	Current MHI		\$	41,573.17
202	Annual MHI Inflator			1.02128
203	Adjusted MHI (201*202)		\$	42,457.94
204	Annual Cost per Customer (line 109 above)		\$	1,136.13
205	Affordability Indicator (204/203)			2.68%

State Population Growth Rate	0.5%	County Population Growth Rate	14.4%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-3.6%	
State Unemployment	4.7%	County Unemployment Rate	4.9%	
State Poverty Rate	13.0%	County Poverty Rate	11.1%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Clark	Projected Capital Cost for Phosphorus Removal for County	\$	22,684,959.86
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100	Existing Operations and Maintenance Cost		\$	3,046,971.75
101	Existing Annual Debt Service		\$	190,465.12
102	Subtotal (100+101)		\$	3,237,436.88
	a) Inflation to the existing O & M Costs	\$ 91,409.15		
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ -		
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	91,409.15
104	Estimated Additional Annual Debt Service, plus cash funding		\$	-
105	Subtotal (103+104)		\$	91,409.15
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	3,328,846.03
107	Customer Share of the Costs (%*106)	100.00%	\$	3,328,846.03
108	Number of Customers			4914
109	Cost Per Customer (107/108)		\$	677.42
201	Current MHI		\$	38,587.50
202	Annual MHI Inflator			1.01935
203	Adjusted MHI (201*202)		\$	39,334.27
204	Annual Cost per Customer (line 109 above)		\$	677.42
205	Affordability Indicator (204/203)			1.72%

State Population Growth Rate	0.5%	County Population Growth Rate	3.2%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-17.4%	
State Unemployment	4.7%	County Unemployment Rate	4.4%	
State Poverty Rate	13.0%	County Poverty Rate	14.9%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Columbia	Projected Capital Cost for Phosphorus Removal for County	\$ 14,628,738.17
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100	Existing Operations and Maintenance Cost		\$ 7,117,906.68
101	Existing Annual Debt Service		\$ 638,314.12
102	Subtotal (100+101)		\$ 7,756,220.80
	a) Inflation to the existing O & M Costs	\$ 213,537.20	
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 527,416.90	
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$ 740,954.10
104	Estimated Additional Annual Debt Service, plus cash funding		\$ 2,770,315.25
105	Subtotal (103+104)		\$ 3,511,269.36
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$ 11,267,490.16
107	Customer Share of the Costs (%*106)	100.00%	\$ 11,267,490.16
108	Number of Customers		11184
109	Cost Per Customer (107/108)		\$ 1,007.47
201	Current MHI		\$ 48,010.36
202	Annual MHI Inflator		1.02195
203	Adjusted MHI (201*202)		\$ 49,064.11
204	Annual Cost per Customer (line 109 above)		\$ 1,007.47
205	Affordability Indicator (204/203)		2.05%

State Population Growth Rate	0.5%	County Population Growth Rate	8.0%
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	10.5%
State Unemployment	4.7%	County Unemployment Rate	4.7%
State Poverty Rate	13.0%	County Poverty Rate	9.3%

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Crawford	Projected Capital Cost for Phosphorus Removal for County	\$ 13,474,499.57
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100	Existing Operations and Maintenance Cost		\$ 1,738,422.53
101	Existing Annual Debt Service		\$ 84,092.24
102	Subtotal (100+101)		\$ 1,822,514.77
	a) Inflation to the existing O & M Costs	\$ 52,152.68	
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 332,363.32	
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$ 384,515.99
104	Estimated Additional Annual Debt Service, plus cash funding		\$ 2,551,731.48
105	Subtotal (103+104)		\$ 2,936,247.47
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$ 4,758,762.24
107	Customer Share of the Costs (%*106)	100.00%	\$ 4,758,762.24
108	Number of Customers		3122
109	Cost Per Customer (107/108)		\$ 1,524.36
201	Current MHI		\$ 40,194.43
202	Annual MHI Inflator		1.01825
203	Adjusted MHI (201*202)		\$ 40,928.11
204	Annual Cost per Customer (line 109 above)		\$ 1,524.36
205	Affordability Indicator (204/203)		3.72%

State Population Growth Rate	0.5%	County Population Growth Rate	-4.9%
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-19.4%
State Unemployment	4.7%	County Unemployment Rate	5.6%
State Poverty Rate	13.0%	County Poverty Rate	12.6%

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Dane	Projected Capital Cost for Phosphorus Removal for County	\$	179,258,533.14
100	Existing Operations and Maintenance Cost		\$	79,449,846.00
101	Existing Annual Debt Service		\$	16,063,643.92
102	Subtotal (100+101)		\$	95,513,489.92
	a) Inflation to the existing O & M Costs	\$ 2,383,495.38		
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 8,571,412.75		
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	10,954,908.13
104	Estimated Additional Annual Debt Service, plus cash funding		\$	33,947,059.77
105	Subtotal (103+104)		\$	44,901,967.89
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	140,415,457.81
107	Customer Share of the Costs (%*106)	100.00%	\$	140,415,457.81
108	Number of Customers			100025
109	Cost Per Customer (107/108)		\$	1,403.80
201	Current MHI		\$	67,049.00
202	Annual MHI Inflator			1.01953
203	Adjusted MHI (201*202)		\$	68,358.55
204	Annual Cost per Customer (line 109 above)		\$	1,403.80
205	Affordability Indicator (204/203)			2.05%

State Population Growth Rate	0.5%	County Population Growth Rate	19.6%
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	17.8%
State Unemployment	4.7%	County Unemployment Rate	3.2%
State Poverty Rate	13.0%	County Poverty Rate	12.9%

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Dodge	Projected Capital Cost for Phosphorus Removal for County	\$	53,380,991.06
100	Existing Operations and Maintenance Cost		\$	16,928,263.69
101	Existing Annual Debt Service		\$	3,363,827.85
102	Subtotal (100+101)		\$	20,292,091.54
	a) Inflation to the existing O & M Costs		\$	507,847.91
	b) Additional Operations and Maintenance for new Phosphorous Facilities		\$	2,218,038.56
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	2,725,886.47
104	Estimated Additional Annual Debt Service, plus cash funding		\$	10,109,017.75
105	Subtotal (103+104)		\$	12,834,904.23
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	33,126,995.77
107	Customer Share of the Costs (%*106)	100.00%	\$	33,126,995.77
108	Number of Customers			24580
109	Cost Per Customer (107/108)		\$	1,347.72
201	Current MHI		\$	49,398.13
202	Annual MHI Inflator			1.01342
203	Adjusted MHI (201*202)		\$	50,061.14
204	Annual Cost per Customer (line 109 above)		\$	1,347.72
205	Affordability Indicator (204/203)			2.69%

State Population Growth Rate	0.5%	County Population Growth Rate	2.8%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	1.3%	
State Unemployment	4.7%	County Unemployment Rate	5.1%	
State Poverty Rate	13.0%	County Poverty Rate	9.0%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Door	Projected Capital Cost for Phosphorus Removal for County	\$	2,291,294.94
100	Existing Operations and Maintenance Cost		\$	4,751,851.00
101	Existing Annual Debt Service		\$	69,689.61
102	Subtotal (100+101)		\$	4,821,540.61
	a) Inflation to the existing O & M Costs		\$	142,555.53
	b) Additional Operations and Maintenance for new Phosphorous Facilities		\$	293,170.51
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	435,726.04
104	Estimated Additional Annual Debt Service, plus cash funding		\$	433,913.66
105	Subtotal (103+104)		\$	869,639.70
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	5,691,180.31
107	Customer Share of the Costs (%*106)	100.00%	\$	5,691,180.31
108	Number of Customers			7431
109	Cost Per Customer (107/108)		\$	765.85
201	Current MHI		\$	48,749.20
202	Annual MHI Inflator			1.02304
203	Adjusted MHI (201*202)		\$	49,872.36
204	Annual Cost per Customer (line 109 above)		\$	765.85
205	Affordability Indicator (204/203)			1.54%

State Population Growth Rate	0.5%	County Population Growth Rate	-0.2%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-3.8%	
State Unemployment	4.7%	County Unemployment Rate	7.5%	
State Poverty Rate	13.0%	County Poverty Rate	10.1%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Douglas	Projected Capital Cost for Phosphorus Removal for County	\$	5,253,243.59
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100	Existing Operations and Maintenance Cost		\$	6,118,312.74
101	Existing Annual Debt Service		\$	479,978.87
102	Subtotal (100+101)		\$	6,598,291.61
	a) Inflation to the existing O & M Costs	\$ 183,549.38		
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 476,283.88		
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	659,833.26
104	Estimated Additional Annual Debt Service, plus cash funding		\$	994,832.27
105	Subtotal (103+104)		\$	1,654,665.53
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	8,252,957.15
107	Customer Share of the Costs (%*106)	100.00%	\$	8,252,957.15
108	Number of Customers			12435
109	Cost Per Customer (107/108)		\$	663.70
201	Current MHI		\$	46,735.40
202	Annual MHI Inflator			1.02226
203	Adjusted MHI (201*202)		\$	47,775.56
204	Annual Cost per Customer (line 109 above)		\$	663.70
205	Affordability Indicator (204/203)			1.39%

State Population Growth Rate	0.5%	County Population Growth Rate	1.4%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-13.3%	
State Unemployment	4.7%	County Unemployment Rate	4.0%	
State Poverty Rate	13.0%	County Poverty Rate	15.1%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Dunn	Projected Capital Cost for Phosphorus Removal for County	\$	7,913,661.40
100	Existing Operations and Maintenance Cost		\$	3,152,195.00
101	Existing Annual Debt Service		\$	982,340.00
102	Subtotal (100+101)		\$	4,134,535.00
	a) Inflation to the existing O & M Costs		\$	94,565.85
	b) Additional Operations and Maintenance for new Phosphorous Facilities		\$	345,407.02
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	439,972.87
104	Estimated Additional Annual Debt Service, plus cash funding		\$	1,498,648.53
105	Subtotal (103+104)		\$	1,938,621.40
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	6,073,156.40
107	Customer Share of the Costs (%*106)	100.00%	\$	6,073,156.40
108	Number of Customers			5188
109	Cost Per Customer (107/108)		\$	1,170.62
201	Current MHI		\$	36,060.33
202	Annual MHI Inflator			1.02013
203	Adjusted MHI (201*202)		\$	36,786.14
204	Annual Cost per Customer (line 109 above)		\$	1,170.62
205	Affordability Indicator (204/203)			3.18%

State Population Growth Rate	0.5%	County Population Growth Rate	10.7%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-6.7%	
State Unemployment	4.7%	County Unemployment Rate	3.9%	
State Poverty Rate	13.0%	County Poverty Rate	15.7%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Eau Claire	Projected Capital Cost for Phosphorus Removal for County	\$ 3,657,120.83
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100	Existing Operations and Maintenance Cost		\$	449,181.00
101	Existing Annual Debt Service		\$	-
102	Subtotal (100+101)		\$	449,181.00
	a) Inflation to the existing O & M Costs	\$ 13,475.43		
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 60,881.27		
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	74,356.70
104	Estimated Additional Annual Debt Service, plus cash funding		\$	692,566.75
105	Subtotal (103+104)		\$	766,923.45
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	1,216,104.45
107	Customer Share of the Costs (%*106)	100.00%	\$	1,216,104.45
108	Number of Customers			1226
109	Cost Per Customer (107/108)		\$	991.93
201	Current MHI		\$	39,129.33
202	Annual MHI Inflator			1.01740
203	Adjusted MHI (201*202)		\$	39,810.16
204	Annual Cost per Customer (line 109 above)		\$	991.93
205	Affordability Indicator (204/203)			2.49%

State Population Growth Rate	0.5%	County Population Growth Rate	8.9%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-8.2%	
State Unemployment	4.7%	County Unemployment Rate	3.9%	
State Poverty Rate	13.0%	County Poverty Rate	15.7%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Florence		Projected Capital Cost for Phosphorus Removal for County	\$	-
100	Existing Operations and Maintenance Cost			\$	110,000.00
101	Existing Annual Debt Service			\$	-
102	Subtotal (100+101)			\$	110,000.00
	a) Inflation to the existing O & M Costs		\$ 3,300.00		
	b) Additional Operations and Maintenance for new Phosphorous Facilities		\$ -		
103	Estimated Additional Annual Operations & Maintenance (a+b)			\$	3,300.00
104	Estimated Additional Annual Debt Service, plus cash funding			\$	-
105	Subtotal (103+104)			\$	3,300.00
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities			\$	113,300.00
107	Customer Share of the Costs (%*106)		100.00%	\$	113,300.00
108	Number of Customers				270
109	Cost Per Customer (107/108)			\$	419.63
201	Current MHI			\$	22,045.00
202	Annual MHI Inflator				1.02924
203	Adjusted MHI (201*202)			\$	22,689.64
204	Annual Cost per Customer (line 109 above)			\$	419.63
205	Affordability Indicator (204/203)				1.85%

State Population Growth Rate	0.5%	County Population Growth Rate	-11.2%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-8.5%	
State Unemployment	4.7%	County Unemployment Rate	7.3%	
State Poverty Rate	13.0%	County Poverty Rate	14.3%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Fond Du Lac	Projected Capital Cost for Phosphorus Removal for County	\$	44,575,104.92
100	Existing Operations and Maintenance Cost		\$	17,438,942.00
101	Existing Annual Debt Service		\$	4,518,987.46
102	Subtotal (100+101)		\$	21,957,929.46
	a) Inflation to the existing O & M Costs		\$	523,168.26
	b) Additional Operations and Maintenance for new Phosphorous Facilities		\$	1,639,268.04
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	2,162,436.30
104	Estimated Additional Annual Debt Service, plus cash funding		\$	8,441,404.29
105	Subtotal (103+104)		\$	10,603,840.59
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	32,561,770.05
107	Customer Share of the Costs (%*106)	100.00%	\$	32,561,770.05
108	Number of Customers			25019
109	Cost Per Customer (107/108)		\$	1,301.48
201	Current MHI		\$	51,067.75
202	Annual MHI Inflator			1.01391
203	Adjusted MHI (201*202)		\$	51,778.11
204	Annual Cost per Customer (line 109 above)		\$	1,301.48
205	Affordability Indicator (204/203)			2.51%

State Population Growth Rate	0.5%	County Population Growth Rate	4.6%
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	2.7%
State Unemployment	4.7%	County Unemployment Rate	4.3%
State Poverty Rate	13.0%	County Poverty Rate	9.8%

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Forest	Projected Capital Cost for Phosphorus Removal for County	\$	-
100	Existing Operations and Maintenance Cost		\$	50,000.00
101	Existing Annual Debt Service		\$	-
102	Subtotal (100+101)		\$	50,000.00
	a) Inflation to the existing O & M Costs		\$	1,500.00
	b) Additional Operations and Maintenance for new Phosphorous Facilities		\$	-
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	1,500.00
104	Estimated Additional Annual Debt Service, plus cash funding		\$	-
105	Subtotal (103+104)		\$	1,500.00
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	51,500.00
107	Customer Share of the Costs (%*106)	100.00%	\$	51,500.00
108	Number of Customers			291
109	Cost Per Customer (107/108)		\$	176.98
201	Current MHI		\$	31,544.00
202	Annual MHI Inflator			1.01907
203	Adjusted MHI (201*202)		\$	32,145.63
204	Annual Cost per Customer (line 109 above)		\$	176.98
205	Affordability Indicator (204/203)			0.55%

State Population Growth Rate	0.5%	County Population Growth Rate	-9.0%
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-23.8%
State Unemployment	4.7%	County Unemployment Rate	7.0%
State Poverty Rate	13.0%	County Poverty Rate	16.5%

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Grant	Projected Capital Cost for Phosphorus Removal for County	\$	43,585,471.30
100	Existing Operations and Maintenance Cost		\$	6,242,305.00
101	Existing Annual Debt Service		\$	497,838.20
102	Subtotal (100+101)		\$	6,740,143.20
	a) Inflation to the existing O & M Costs		\$	187,269.15
	b) Additional Operations and Maintenance for new Phosphorous Facilities		\$	1,155,246.52
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	1,342,515.67
104	Estimated Additional Annual Debt Service, plus cash funding		\$	8,253,992.56
105	Subtotal (103+104)		\$	9,596,508.23
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	16,336,651.43
107	Customer Share of the Costs (%*106)	100.00%	\$	16,336,651.43
108	Number of Customers			11860
109	Cost Per Customer (107/108)		\$	1,377.46
201	Current MHI		\$	46,199.65
202	Annual MHI Inflator			1.02268
203	Adjusted MHI (201*202)		\$	47,247.63
204	Annual Cost per Customer (line 109 above)		\$	1,377.46
205	Affordability Indicator (204/203)			2.92%

State Population Growth Rate	0.5%	County Population Growth Rate	3.0%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-10.4%	
State Unemployment	4.7%	County Unemployment Rate	3.9%	
State Poverty Rate	13.0%	County Poverty Rate	16.6%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Green Lake	Projected Capital Cost for Phosphorus Removal for County	\$ 12,596,695.61
100	Existing Operations and Maintenance Cost		\$ 3,550,652.00
101	Existing Annual Debt Service		\$ 182,681.55
102	Subtotal (100+101)		\$ 3,733,333.55
	a) Inflation to the existing O & M Costs	\$ 106,519.56	
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 358,249.54	
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$ 464,769.10
104	Estimated Additional Annual Debt Service, plus cash funding		\$ 2,385,497.48
105	Subtotal (103+104)		\$ 2,850,266.58
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$ 6,583,600.13
107	Customer Share of the Costs (%*106)	100.00%	\$ 6,583,600.13
108	Number of Customers		4923
109	Cost Per Customer (107/108)		\$ 1,337.31
201	Current MHI		\$ 41,839.00
202	Annual MHI Inflator		1.01468
203	Adjusted MHI (201*202)		\$ 42,453.28
204	Annual Cost per Customer (line 109 above)		\$ 1,337.31
205	Affordability Indicator (204/203)		3.15%

State Population Growth Rate	0.5%	County Population Growth Rate	-0.8%
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-10.3%
State Unemployment	4.7%	County Unemployment Rate	6.1%
State Poverty Rate	13.0%	County Poverty Rate	11.5%

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Green	Projected Capital Cost for Phosphorus Removal for County	\$	26,855,866.38
100	Existing Operations and Maintenance Cost		\$	5,665,189.00
101	Existing Annual Debt Service		\$	2,181,796.24
102	Subtotal (100+101)		\$	7,846,985.24
	a) Inflation to the existing O & M Costs		\$	169,955.67
	b) Additional Operations and Maintenance for new Phosphorous Facilities		\$	836,368.99
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	1,006,324.66
104	Estimated Additional Annual Debt Service, plus cash funding		\$	5,085,825.96
105	Subtotal (103+104)		\$	6,092,150.62
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	13,939,135.86
107	Customer Share of the Costs (%*106)	100.00%	\$	13,939,135.86
108	Number of Customers			7447
109	Cost Per Customer (107/108)		\$	1,871.78
201	Current MHI		\$	49,355.88
202	Annual MHI Inflator			1.02199
203	Adjusted MHI (201*202)		\$	50,441.07
204	Annual Cost per Customer (line 109 above)		\$	1,871.78
205	Affordability Indicator (204/203)			3.71%

State Population Growth Rate	0.5%	County Population Growth Rate	10.2%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	6.1%	
State Unemployment	4.7%	County Unemployment Rate	3.8%	
State Poverty Rate	13.0%	County Poverty Rate	10.3%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Iowa	Projected Capital Cost for Phosphorus Removal for County	\$ 17,833,550.40
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100	Existing Operations and Maintenance Cost		\$	1,817,312.50
101	Existing Annual Debt Service		\$	351,790.14
102	Subtotal (100+101)		\$	2,169,102.64
	a) Inflation to the existing O & M Costs	\$ 54,519.38		
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 474,519.22		
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	529,038.60
104	Estimated Additional Annual Debt Service, plus cash funding		\$	3,377,226.13
105	Subtotal (103+104)		\$	3,906,264.72
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	6,075,367.36
107	Customer Share of the Costs (%*106)	100.00%	\$	6,075,367.36
108	Number of Customers			5428
109	Cost Per Customer (107/108)		\$	1,119.26
201	Current MHI		\$	48,425.20
202	Annual MHI Inflator			1.02377
203	Adjusted MHI (201*202)		\$	49,576.49
204	Annual Cost per Customer (line 109 above)		\$	1,119.26
205	Affordability Indicator (204/203)			2.26%

State Population Growth Rate	0.5%	County Population Growth Rate	4.3%
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	6.2%
State Unemployment	4.7%	County Unemployment Rate	3.9%
State Poverty Rate	13.0%	County Poverty Rate	9.8%

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Iron	Projected Capital Cost for Phosphorus Removal for County	\$ 703,518.18
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100	Existing Operations and Maintenance Cost		\$	761,104.00
101	Existing Annual Debt Service		\$	-
102	Subtotal (100+101)		\$	761,104.00
	a) Inflation to the existing O & M Costs	\$ 22,833.12		
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 15,667.22		
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	38,500.34
104	Estimated Additional Annual Debt Service, plus cash funding		\$	133,228.66
105	Subtotal (103+104)		\$	171,729.00
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	932,833.00
107	Customer Share of the Costs (%*106)	100.00%	\$	932,833.00
108	Number of Customers			913
109	Cost Per Customer (107/108)		\$	1,021.72
201	Current MHI		\$	24,767.00
202	Annual MHI Inflator			1.02463
203	Adjusted MHI (201*202)		\$	25,377.00
204	Annual Cost per Customer (line 109 above)		\$	1,021.72
205	Affordability Indicator (204/203)			4.03%

State Population Growth Rate	0.5%	County Population Growth Rate	-14.2%
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-25.5%
State Unemployment	4.7%	County Unemployment Rate	9.4%
State Poverty Rate	13.0%	County Poverty Rate	16.4%

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Jackson	Projected Capital Cost for Phosphorus Removal for County	\$ 12,724,801.81
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100	Existing Operations and Maintenance Cost		\$ 1,875,678.84
101	Existing Annual Debt Service		\$ 124,136.00
102	Subtotal (100+101)		\$ 1,999,814.84
	a) Inflation to the existing O & M Costs	\$ 56,270.37	
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 266,255.10	
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$ 322,525.46
104	Estimated Additional Annual Debt Service, plus cash funding		\$ 2,409,757.57
105	Subtotal (103+104)		\$ 2,732,283.03
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$ 4,732,097.87
107	Customer Share of the Costs (%*106)	100.00%	\$ 4,732,097.87
108	Number of Customers		2219
109	Cost Per Customer (107/108)		\$ 2,132.34
201	Current MHI		\$ 36,346.83
202	Annual MHI Inflator		1.01369
203	Adjusted MHI (201*202)		\$ 36,844.60
204	Annual Cost per Customer (line 109 above)		\$ 2,132.34
205	Affordability Indicator (204/203)		5.79%

State Population Growth Rate	0.5%	County Population Growth Rate	8.1%
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-15.8%
State Unemployment	4.7%	County Unemployment Rate	5.5%
State Poverty Rate	13.0%	County Poverty Rate	16.9%

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Jefferson	Projected Capital Cost for Phosphorus Removal for County	\$ 44,432,253.85
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100	Existing Operations and Maintenance Cost		\$	8,569,244.82
101	Existing Annual Debt Service		\$	692,973.15
102	Subtotal (100+101)		\$	9,262,217.97
	a) Inflation to the existing O & M Costs	\$ 257,077.34		
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 2,019,584.18		
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	2,276,661.52
104	Estimated Additional Annual Debt Service, plus cash funding		\$	8,414,351.89
105	Subtotal (103+104)		\$	10,691,013.41
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	19,953,231.38
107	Customer Share of the Costs (%*106)	100.00%	\$	19,953,231.38
108	Number of Customers			13386
109	Cost Per Customer (107/108)		\$	1,490.65
201	Current MHI		\$	56,131.22
202	Annual MHI Inflator			1.01387
203	Adjusted MHI (201*202)		\$	56,909.54
204	Annual Cost per Customer (line 109 above)		\$	1,490.65
205	Affordability Indicator (204/203)			2.62%

State Population Growth Rate	0.5%	County Population Growth Rate	14.2%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	2.0%	
State Unemployment	4.7%	County Unemployment Rate	5.0%	
State Poverty Rate	13.0%	County Poverty Rate	11.2%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Juneau	Projected Capital Cost for Phosphorus Removal for County	\$ 21,950,687.21
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100	Existing Operations and Maintenance Cost		\$	3,110,050.82
101	Existing Annual Debt Service		\$	380,667.58
102	Subtotal (100+101)		\$	3,490,718.40
	a) Inflation to the existing O & M Costs	\$ 93,301.52		
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 563,719.74		
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	657,021.26
104	Estimated Additional Annual Debt Service, plus cash funding		\$	4,156,908.33
105	Subtotal (103+104)		\$	4,813,929.60
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	8,304,648.00
107	Customer Share of the Costs (%*106)	100.00%	\$	8,304,648.00
108	Number of Customers			4378
109	Cost Per Customer (107/108)		\$	1,896.90
201	Current MHI		\$	42,883.50
202	Annual MHI Inflator			1.02169
203	Adjusted MHI (201*202)		\$	43,813.51
204	Annual Cost per Customer (line 109 above)		\$	1,896.90
205	Affordability Indicator (204/203)			4.33%

State Population Growth Rate	0.5%	County Population Growth Rate	9.2%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-13.6%	
State Unemployment	4.7%	County Unemployment Rate	6.4%	
State Poverty Rate	13.0%	County Poverty Rate	13.6%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Kenosha	Projected Capital Cost for Phosphorus Removal for County	\$ 25,460,990.16
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100	Existing Operations and Maintenance Cost		\$	23,464,757.50
101	Existing Annual Debt Service		\$	2,288,879.85
102	Subtotal (100+101)		\$	25,753,637.35
	a) Inflation to the existing O & M Costs	\$ 703,942.73		
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 1,439,691.61		
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	2,143,634.34
104	Estimated Additional Annual Debt Service, plus cash funding		\$	4,821,671.47
105	Subtotal (103+104)		\$	6,965,305.80
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	32,718,943.15
107	Customer Share of the Costs (%*106)	100.00%	\$	32,718,943.15
108	Number of Customers			45275
109	Cost Per Customer (107/108)		\$	722.66
201	Current MHI		\$	60,862.17
202	Annual MHI Inflator			1.01304
203	Adjusted MHI (201*202)		\$	61,655.57
204	Annual Cost per Customer (line 109 above)		\$	722.66
205	Affordability Indicator (204/203)			1.17%

State Population Growth Rate	0.5%	County Population Growth Rate	12.2%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	4.8%	
State Unemployment	4.7%	County Unemployment Rate	5.5%	
State Poverty Rate	13.0%	County Poverty Rate	14.0%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Kewaunee	Projected Capital Cost for Phosphorus Removal for County	\$	8,470,917.14
100	Existing Operations and Maintenance Cost		\$	1,510,484.26
101	Existing Annual Debt Service		\$	89,343.07
102	Subtotal (100+101)		\$	1,599,827.33
	a) Inflation to the existing O & M Costs		\$	45,314.53
	b) Additional Operations and Maintenance for new Phosphorous Facilities		\$	265,958.00
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	311,272.52
104	Estimated Additional Annual Debt Service, plus cash funding		\$	1,604,178.76
105	Subtotal (103+104)		\$	1,915,451.28
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	3,515,278.61
107	Customer Share of the Costs (%*106)	100.00%	\$	3,515,278.61
108	Number of Customers			2146
109	Cost Per Customer (107/108)		\$	1,637.91
201	Current MHI		\$	50,298.33
202	Annual MHI Inflator			1.01714
203	Adjusted MHI (201*202)		\$	51,160.37
204	Annual Cost per Customer (line 109 above)		\$	1,637.91
205	Affordability Indicator (204/203)			3.20%

State Population Growth Rate	0.5%	County Population Growth Rate	1.6%
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	2.2%
State Unemployment	4.7%	County Unemployment Rate	4.1%
State Poverty Rate	13.0%	County Poverty Rate	9.4%

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	La Crosse	Projected Capital Cost for Phosphorus Removal for County	\$	56,616,591.11
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100	Existing Operations and Maintenance Cost		\$	11,740,323.00
101	Existing Annual Debt Service		\$	232,683.08
102	Subtotal (100+101)		\$	11,973,006.08
	a) Inflation to the existing O & M Costs	\$ 352,209.69		
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 1,548,757.70		
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	1,900,967.39
104	Estimated Additional Annual Debt Service, plus cash funding		\$	10,721,759.06
105	Subtotal (103+104)		\$	12,622,726.46
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	24,595,732.54
107	Customer Share of the Costs (%*106)	100.00%	\$	24,595,732.54
108	Number of Customers			27135
109	Cost Per Customer (107/108)		\$	906.42
201	Current MHI		\$	54,982.25
202	Annual MHI Inflator			1.02313
203	Adjusted MHI (201*202)		\$	56,253.79
204	Annual Cost per Customer (line 109 above)		\$	906.42
205	Affordability Indicator (204/203)			1.61%

State Population Growth Rate	0.5%	County Population Growth Rate	9.0%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-2.0%	
State Unemployment	4.7%	County Unemployment Rate	3.6%	
State Poverty Rate	13.0%	County Poverty Rate	14.0%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Lafayette	Projected Capital Cost for Phosphorus Removal for County	\$	15,826,084.39
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100	Existing Operations and Maintenance Cost		\$	2,096,683.00
101	Existing Annual Debt Service		\$	518,042.53
102	Subtotal (100+101)		\$	2,614,725.53
	a) Inflation to the existing O & M Costs	\$ 62,900.49		
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 270,770.71		
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	333,671.20
104	Estimated Additional Annual Debt Service, plus cash funding		\$	2,997,062.53
105	Subtotal (103+104)		\$	3,330,733.73
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	5,945,459.26
107	Customer Share of the Costs (%*106)	100.00%	\$	5,945,459.26
108	Number of Customers			3246
109	Cost Per Customer (107/108)		\$	1,831.63
201	Current MHI		\$	41,136.57
202	Annual MHI Inflator			1.02457
203	Adjusted MHI (201*202)		\$	42,147.17
204	Annual Cost per Customer (line 109 above)		\$	1,831.63
205	Affordability Indicator (204/203)			4.35%

State Population Growth Rate	0.5%	County Population Growth Rate	3.9%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-6.3%	
State Unemployment	4.7%	County Unemployment Rate	3.6%	
State Poverty Rate	13.0%	County Poverty Rate	11.7%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Langlade	Projected Capital Cost for Phosphorus Removal for County	\$ 8,670,468.83
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100	Existing Operations and Maintenance Cost		\$ 2,005,236.00
101	Existing Annual Debt Service		\$ 37,419.71
102	Subtotal (100+101)		\$ 2,042,655.71
	a) Inflation to the existing O & M Costs	\$ 60,157.08	
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 345,321.34	
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$ 405,478.42
104	Estimated Additional Annual Debt Service, plus cash funding		\$ 1,641,968.83
105	Subtotal (103+104)		\$ 2,047,447.25
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$ 4,090,102.95
107	Customer Share of the Costs (%*106)	100.00%	\$ 4,090,102.95
108	Number of Customers		3039
109	Cost Per Customer (107/108)		\$ 1,345.87
201	Current MHI		\$ 31,423.50
202	Annual MHI Inflator		1.02139
203	Adjusted MHI (201*202)		\$ 32,095.50
204	Annual Cost per Customer (line 109 above)		\$ 1,345.87
205	Affordability Indicator (204/203)		4.19%

State Population Growth Rate	0.5%	County Population Growth Rate	-5.6%
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-19.1%
State Unemployment	4.7%	County Unemployment Rate	6.4%
State Poverty Rate	13.0%	County Poverty Rate	14.5%

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Lincoln	Projected Capital Cost for Phosphorus Removal for County	\$	-
100	Existing Operations and Maintenance Cost		\$	1,994,402.00
101	Existing Annual Debt Service		\$	14,069.70
102	Subtotal (100+101)		\$	2,008,471.70
	a) Inflation to the existing O & M Costs		\$	59,832.06
	b) Additional Operations and Maintenance for new Phosphorous Facilities		\$	-
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	59,832.06
104	Estimated Additional Annual Debt Service, plus cash funding		\$	-
105	Subtotal (103+104)		\$	59,832.06
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	2,068,303.76
107	Customer Share of the Costs (%*106)	100.00%	\$	2,068,303.76
108	Number of Customers			4729
109	Cost Per Customer (107/108)		\$	437.37
201	Current MHI		\$	42,533.00
202	Annual MHI Inflator			1.01947
203	Adjusted MHI (201*202)		\$	43,361.06
204	Annual Cost per Customer (line 109 above)		\$	437.37
205	Affordability Indicator (204/203)			1.01%

State Population Growth Rate	0.5%	County Population Growth Rate	-3.2%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-6.5%	
State Unemployment	4.7%	County Unemployment Rate	5.6%	
State Poverty Rate	13.0%	County Poverty Rate	11.1%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Manitowoc	Projected Capital Cost for Phosphorus Removal for County	\$ 18,044,087.56
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100	Existing Operations and Maintenance Cost		\$	13,539,402.00
101	Existing Annual Debt Service		\$	2,530,998.05
102	Subtotal (100+101)		\$	16,070,400.05
	a) Inflation to the existing O & M Costs	\$ 406,182.06		
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 986,740.41		
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	1,392,922.47
104	Estimated Additional Annual Debt Service, plus cash funding		\$	3,417,096.57
105	Subtotal (103+104)		\$	4,810,019.04
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	20,880,419.09
107	Customer Share of the Costs (%*106)	100.00%	\$	20,880,419.09
108	Number of Customers			21763
109	Cost Per Customer (107/108)		\$	959.44
201	Current MHI		\$	51,862.80
202	Annual MHI Inflator			1.00994
203	Adjusted MHI (201*202)		\$	52,378.46
204	Annual Cost per Customer (line 109 above)		\$	959.44
205	Affordability Indicator (204/203)			1.83%

State Population Growth Rate	0.5%	County Population Growth Rate	-2.7%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-6.7%	
State Unemployment	4.7%	County Unemployment Rate	4.9%	
State Poverty Rate	13.0%	County Poverty Rate	9.7%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Marathon	Projected Capital Cost for Phosphorus Removal for County	\$	26,939,430.17
100	Existing Operations and Maintenance Cost		\$	11,531,085.81
101	Existing Annual Debt Service		\$	171,516.45
102	Subtotal (100+101)		\$	11,702,602.26
	a) Inflation to the existing O & M Costs		\$	345,932.57
	b) Additional Operations and Maintenance for new Phosphorous Facilities		\$	765,148.81
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	1,111,081.39
104	Estimated Additional Annual Debt Service, plus cash funding		\$	5,101,650.84
105	Subtotal (103+104)		\$	6,212,732.23
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	17,915,334.49
107	Customer Share of the Costs (%*106)	100.00%	\$	17,915,334.49
108	Number of Customers			28516
109	Cost Per Customer (107/108)		\$	628.26
201	Current MHI		\$	52,353.83
202	Annual MHI Inflator			1.01396
203	Adjusted MHI (201*202)		\$	53,084.82
204	Annual Cost per Customer (line 109 above)		\$	628.26
205	Affordability Indicator (204/203)			1.18%

State Population Growth Rate	0.5%	County Population Growth Rate	7.6%
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	1.8%
State Unemployment	4.7%	County Unemployment Rate	4.4%
State Poverty Rate	13.0%	County Poverty Rate	10.9%

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Marinette	Projected Capital Cost for Phosphorus Removal for County	\$ 1,926,666.78
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100	Existing Operations and Maintenance Cost		\$ 1,909,070.00
101	Existing Annual Debt Service		\$ 101,723.63
102	Subtotal (100+101)		\$ 2,010,793.63
	a) Inflation to the existing O & M Costs	\$ 57,272.10	
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 53,479.88	
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$ 110,751.98
104	Estimated Additional Annual Debt Service, plus cash funding		\$ 364,862.25
105	Subtotal (103+104)		\$ 475,614.23
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$ 2,486,407.87
107	Customer Share of the Costs (%*106)	100.00%	\$ 2,486,407.87
108	Number of Customers		4893
109	Cost Per Customer (107/108)		\$ 508.16
201	Current MHI		\$ 32,020.75
202	Annual MHI Inflator		1.01142
203	Adjusted MHI (201*202)		\$ 32,386.42
204	Annual Cost per Customer (line 109 above)		\$ 508.16
205	Affordability Indicator (204/203)		1.57%

State Population Growth Rate	0.5%	County Population Growth Rate	-4.1%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-22.7%	
State Unemployment	4.7%	County Unemployment Rate	5.8%	
State Poverty Rate	13.0%	County Poverty Rate	13.2%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Marquette	Projected Capital Cost for Phosphorus Removal for County	\$ 2,765,671.23
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100	Existing Operations and Maintenance Cost		\$	516,380.83
101	Existing Annual Debt Service		\$	5,470.76
102	Subtotal (100+101)		\$	521,851.59
	a) Inflation to the existing O & M Costs	\$ 15,491.42		
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 54,495.70		
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	69,987.13
104	Estimated Additional Annual Debt Service, plus cash funding		\$	523,748.61
105	Subtotal (103+104)		\$	593,735.73
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	1,115,587.32
107	Customer Share of the Costs (%*106)	100.00%	\$	1,115,587.32
108	Number of Customers			1727
109	Cost Per Customer (107/108)		\$	645.89
201	Current MHI		\$	41,701.00
202	Annual MHI Inflator			1.02223
203	Adjusted MHI (201*202)		\$	42,628.08
204	Annual Cost per Customer (line 109 above)		\$	645.89
205	Affordability Indicator (204/203)			1.52%

State Population Growth Rate	0.5%	County Population Growth Rate	-4.1%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-12.1%	
State Unemployment	4.7%	County Unemployment Rate	6.6%	
State Poverty Rate	13.0%	County Poverty Rate	13.6%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Menominee	Projected Capital Cost for Phosphorus Removal for County	\$	-
100	Existing Operations and Maintenance Cost		\$	-
101	Existing Annual Debt Service		\$	-
102	Subtotal (100+101)		\$	-
	a) Inflation to the existing O & M Costs		\$	-
	b) Additional Operations and Maintenance for new Phosphorous Facilities		\$	-
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	-
104	Estimated Additional Annual Debt Service, plus cash funding		\$	-
105	Subtotal (103+104)		\$	-
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	-
107	Customer Share of the Costs (%*106)	100.00%	\$	-
108	Number of Customers			1220
109	Cost Per Customer (107/108)		\$	-
201	Current MHI		\$	33,333.00
202	Annual MHI Inflator			1.01017
203	Adjusted MHI (201*202)		\$	33,672.06
204	Annual Cost per Customer (line 109 above)		\$	-
205	Affordability Indicator (204/203)			0.00%

State Population Growth Rate	0.5%	County Population Growth Rate	-5.4%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-36.4%	
State Unemployment	4.7%	County Unemployment Rate	10.3%	
State Poverty Rate	13.0%	County Poverty Rate	31.4%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Milwaukee	Projected Capital Cost for Phosphorus Removal for County	\$	18,441,778.70
100	Existing Operations and Maintenance Cost		\$	197,635,242.00
101	Existing Annual Debt Service		\$	119,045,021.18
102	Subtotal (100+101)		\$	316,680,263.18
	a) Inflation to the existing O & M Costs		\$	5,929,057.26
	b) Additional Operations and Maintenance for new Phosphorous Facilities		\$	4,826,901.43
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	10,755,958.69
104	Estimated Additional Annual Debt Service, plus cash funding		\$	3,492,409.27
105	Subtotal (103+104)		\$	14,248,367.97
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	330,928,631.15
107	Customer Share of the Costs (%*106)	100.00%	\$	330,928,631.15
108	Number of Customers			372931
109	Cost Per Customer (107/108)		\$	887.37
201	Current MHI		\$	53,894.33
202	Annual MHI Inflator			1.01028
203	Adjusted MHI (201*202)		\$	54,448.51
204	Annual Cost per Customer (line 109 above)		\$	887.37
205	Affordability Indicator (204/203)			1.63%

State Population Growth Rate	0.5%	County Population Growth Rate	1.7%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-17.6%	
State Unemployment	4.7%	County Unemployment Rate	6.0%	
State Poverty Rate	13.0%	County Poverty Rate	21.6%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Monroe	Projected Capital Cost for Phosphorus Removal for County	\$	26,622,708.70
100	Existing Operations and Maintenance Cost		\$	4,624,407.65
101	Existing Annual Debt Service		\$	375,919.73
102	Subtotal (100+101)		\$	5,000,327.38
	a) Inflation to the existing O & M Costs		\$	2,863,655.88
	b) Additional Operations and Maintenance for new Phosphorous Facilities		\$	685,826.12
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	3,549,482.00
104	Estimated Additional Annual Debt Service, plus cash funding		\$	5,041,671.76
105	Subtotal (103+104)		\$	8,591,153.75
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	13,591,481.13
107	Customer Share of the Costs (%*106)	100.00%	\$	13,591,481.13
108	Number of Customers			7587
109	Cost Per Customer (107/108)		\$	1,791.42
201	Current MHI		\$	39,096.43
202	Annual MHI Inflator			1.01934
203	Adjusted MHI (201*202)		\$	39,852.56
204	Annual Cost per Customer (line 109 above)		\$	1,791.42
205	Affordability Indicator (204/203)			4.50%

State Population Growth Rate	0.5%	County Population Growth Rate	10.8%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-5.0%	
State Unemployment	4.7%	County Unemployment Rate	4.5%	
State Poverty Rate	13.0%	County Poverty Rate	14.4%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Oconto	Projected Capital Cost for Phosphorus Removal for County	\$ 4,882,173.99
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100	Existing Operations and Maintenance Cost		\$ 1,899,484.00
101	Existing Annual Debt Service		\$ 730,301.75
102	Subtotal (100+101)		\$ 2,629,785.75
	a) Inflation to the existing O & M Costs	\$ 56,984.52	
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 244,269.89	
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$ 301,254.41
104	Estimated Additional Annual Debt Service, plus cash funding		\$ 924,561.02
105	Subtotal (103+104)		\$ 1,225,815.43
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$ 3,855,601.18
107	Customer Share of the Costs (%*106)	100.00%	\$ 3,855,601.18
108	Number of Customers		4377
109	Cost Per Customer (107/108)		\$ 880.96
201	Current MHI		\$ 49,539.00
202	Annual MHI Inflator		1.01944
203	Adjusted MHI (201*202)		\$ 50,502.19
204	Annual Cost per Customer (line 109 above)		\$ 880.96
205	Affordability Indicator (204/203)		1.74%

State Population Growth Rate	0.5%	County Population Growth Rate	1.9%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-1.5%	
State Unemployment	4.7%	County Unemployment Rate	5.4%	
State Poverty Rate	13.0%	County Poverty Rate	10.2%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Oneida	Projected Capital Cost for Phosphorus Removal for County	\$ 2,364,572.93
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100	Existing Operations and Maintenance Cost		\$ 2,721,228.00
101	Existing Annual Debt Service		\$ 978,335.93
102	Subtotal (100+101)		\$ 3,699,563.93
	a) Inflation to the existing O & M Costs	\$ 81,636.84	
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 162,325.57	
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$ 243,962.41
104	Estimated Additional Annual Debt Service, plus cash funding		\$ 447,790.67
105	Subtotal (103+104)		\$ 691,753.08
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$ 4,391,317.01
107	Customer Share of the Costs (%*106)	100.00%	\$ 4,391,317.01
108	Number of Customers		4929
109	Cost Per Customer (107/108)		\$ 890.91
201	Current MHI		\$ 40,304.67
202	Annual MHI Inflator		1.01664
203	Adjusted MHI (201*202)		\$ 40,975.52
204	Annual Cost per Customer (line 109 above)		\$ 890.91
205	Affordability Indicator (204/203)		2.17%

State Population Growth Rate	0.5%	County Population Growth Rate	-3.0%
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-12.7%
State Unemployment	4.7%	County Unemployment Rate	7.0%
State Poverty Rate	13.0%	County Poverty Rate	10.7%

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Outagamie	Projected Capital Cost for Phosphorus Removal for County	\$	32,204,659.13
100	Existing Operations and Maintenance Cost		\$	29,292,005.82
101	Existing Annual Debt Service		\$	4,295,743.20
102	Subtotal (100+101)		\$	33,587,749.02
	a) Inflation to the existing O & M Costs		\$	878,760.17
	b) Additional Operations and Maintenance for new Phosphorous Facilities		\$	1,750,947.98
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	2,629,708.15
104	Estimated Additional Annual Debt Service, plus cash funding		\$	6,098,752.84
105	Subtotal (103+104)		\$	8,728,460.99
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	42,316,210.01
107	Customer Share of the Costs (%*106)	100.00%	\$	42,316,210.01
108	Number of Customers			53112
109	Cost Per Customer (107/108)		\$	796.74
201	Current MHI		\$	55,959.10
202	Annual MHI Inflator			1.01350
203	Adjusted MHI (201*202)		\$	56,714.37
204	Annual Cost per Customer (line 109 above)		\$	796.74
205	Affordability Indicator (204/203)			1.40%

State Population Growth Rate	0.5%	County Population Growth Rate	12.0%
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	11.3%
State Unemployment	4.7%	County Unemployment Rate	4.3%
State Poverty Rate	13.0%	County Poverty Rate	8.7%

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Ozaukee	Projected Capital Cost for Phosphorus Removal for County	\$ 33,867,929.38
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100	Existing Operations and Maintenance Cost		\$ 8,879,188.00
101	Existing Annual Debt Service		\$ 407,931.71
102	Subtotal (100+101)		\$ 9,287,119.71
	a) Inflation to the existing O & M Costs	\$ 266,375.64	
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 1,538,795.25	
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$ 1,805,170.89
104	Estimated Additional Annual Debt Service, plus cash funding		\$ 6,413,734.41
105	Subtotal (103+104)		\$ 8,218,905.31
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$ 17,506,025.02
107	Customer Share of the Costs (%*106)	100.00%	\$ 17,506,025.02
108	Number of Customers		16421
109	Cost Per Customer (107/108)		\$ 1,066.06
201	Current MHI		\$ 62,684.00
202	Annual MHI Inflator		1.01558
203	Adjusted MHI (201*202)		\$ 63,660.90
204	Annual Cost per Customer (line 109 above)		\$ 1,066.06
205	Affordability Indicator (204/203)		1.67%

State Population Growth Rate	0.5%	County Population Growth Rate	5.8%
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	44.0%
State Unemployment	4.7%	County Unemployment Rate	3.9%
State Poverty Rate	13.0%	County Poverty Rate	5.2%

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Pepin	Projected Capital Cost for Phosphorus Removal for County	\$ 3,073,231.07
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100	Existing Operations and Maintenance Cost		\$	151,211.00
101	Existing Annual Debt Service		\$	3,744.09
102	Subtotal (100+101)		\$	154,955.09
	a) Inflation to the existing O & M Costs	\$ 4,536.33		
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 43,905.60		
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	48,441.93
104	Estimated Additional Annual Debt Service, plus cash funding		\$	581,992.71
105	Subtotal (103+104)		\$	630,434.64
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	785,389.72
107	Customer Share of the Costs (%*106)	100.00%	\$	785,389.72
108	Number of Customers			1228
109	Cost Per Customer (107/108)		\$	639.57
201	Current MHI		\$	40,263.33
202	Annual MHI Inflator			1.02064
203	Adjusted MHI (201*202)		\$	41,094.43
204	Annual Cost per Customer (line 109 above)		\$	639.57
205	Affordability Indicator (204/203)			1.56%

State Population Growth Rate	0.5%	County Population Growth Rate	2.0%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-9.0%	
State Unemployment	4.7%	County Unemployment Rate	4.0%	
State Poverty Rate	13.0%	County Poverty Rate	12.5%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Pierce	Projected Capital Cost for Phosphorus Removal for County	\$	11,884,296.72
100	Existing Operations and Maintenance Cost		\$	5,082,483.00
101	Existing Annual Debt Service		\$	347,062.02
102	Subtotal (100+101)		\$	5,429,545.02
	a) Inflation to the existing O & M Costs		\$	152,474.49
	b) Additional Operations and Maintenance for new Phosphorous Facilities		\$	290,186.37
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	442,660.86
104	Estimated Additional Annual Debt Service, plus cash funding		\$	2,250,587.04
105	Subtotal (103+104)		\$	2,693,247.89
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	8,122,792.92
107	Customer Share of the Costs (%*106)	100.00%	\$	8,122,792.92
108	Number of Customers			7974
109	Cost Per Customer (107/108)		\$	1,018.66
201	Current MHI		\$	53,542.00
202	Annual MHI Inflator			1.01502
203	Adjusted MHI (201*202)		\$	54,346.17
204	Annual Cost per Customer (line 109 above)		\$	1,018.66
205	Affordability Indicator (204/203)			1.87%

State Population Growth Rate	0.5%	County Population Growth Rate	11.3%
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	13.0%
State Unemployment	4.7%	County Unemployment Rate	2.7%
State Poverty Rate	13.0%	County Poverty Rate	12.4%

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Polk	Projected Capital Cost for Phosphorus Removal for County	\$	11,630,814.31
100	Existing Operations and Maintenance Cost		\$	1,580,251.98
101	Existing Annual Debt Service		\$	361,767.64
102	Subtotal (100+101)		\$	1,942,019.62
	a) Inflation to the existing O & M Costs		\$	47,407.56
	b) Additional Operations and Maintenance for new Phosphorous Facilities		\$	261,336.01
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	308,743.57
104	Estimated Additional Annual Debt Service, plus cash funding		\$	2,202,583.84
105	Subtotal (103+104)		\$	2,511,327.41
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	4,453,347.03
107	Customer Share of the Costs (%*106)	100.00%	\$	4,453,347.03
108	Number of Customers			3607
109	Cost Per Customer (107/108)		\$	1,234.64
201	Current MHI		\$	41,930.43
202	Annual MHI Inflator			1.01374
203	Adjusted MHI (201*202)		\$	42,506.47
204	Annual Cost per Customer (line 109 above)		\$	1,234.64
205	Affordability Indicator (204/203)			2.90%

State Population Growth Rate	0.5%	County Population Growth Rate	5.2%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-7.4%	
State Unemployment	4.7%	County Unemployment Rate	5.1%	
State Poverty Rate	13.0%	County Poverty Rate	10.8%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Portage	Projected Capital Cost for Phosphorus Removal for County	\$	3,866,125.10
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100	Existing Operations and Maintenance Cost		\$	6,335,005.19
101	Existing Annual Debt Service		\$	851,300.26
102	Subtotal (100+101)		\$	7,186,305.45
	a) Inflation to the existing O & M Costs	\$ 190,050.16		
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 388,257.63		
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	578,307.79
104	Estimated Additional Annual Debt Service, plus cash funding		\$	732,146.90
105	Subtotal (103+104)		\$	1,310,454.69
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	8,496,760.13
107	Customer Share of the Costs (%*106)	100.00%	\$	8,496,760.13
108	Number of Customers			13145
109	Cost Per Customer (107/108)		\$	646.40
201	Current MHI		\$	45,073.50
202	Annual MHI Inflator			1.01328
203	Adjusted MHI (201*202)		\$	45,672.19
204	Annual Cost per Customer (line 109 above)		\$	646.40
205	Affordability Indicator (204/203)			1.42%

State Population Growth Rate	0.5%	County Population Growth Rate	4.8%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-2.7%	
State Unemployment	4.7%	County Unemployment Rate	4.4%	
State Poverty Rate	13.0%	County Poverty Rate	13.7%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Price	Projected Capital Cost for Phosphorus Removal for County	\$	5,816,454.07
100	Existing Operations and Maintenance Cost		\$	850,347.00
101	Existing Annual Debt Service		\$	122,948.09
102	Subtotal (100+101)		\$	973,295.09
	a) Inflation to the existing O & M Costs		\$	25,510.41
	b) Additional Operations and Maintenance for new Phosphorous Facilities		\$	177,574.69
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	203,085.10
104	Estimated Additional Annual Debt Service, plus cash funding		\$	1,101,490.18
105	Subtotal (103+104)		\$	1,304,575.28
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	2,277,870.37
107	Customer Share of the Costs (%*106)	100.00%	\$	2,277,870.37
108	Number of Customers			2377
109	Cost Per Customer (107/108)		\$	958.30
201	Current MHI		\$	35,855.25
202	Annual MHI Inflator			1.01614
203	Adjusted MHI (201*202)		\$	36,433.88
204	Annual Cost per Customer (line 109 above)		\$	958.30
205	Affordability Indicator (204/203)			2.63%

State Population Growth Rate	0.5%	County Population Growth Rate	-12.8%
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-18.6%
State Unemployment	4.7%	County Unemployment Rate	4.4%
State Poverty Rate	13.0%	County Poverty Rate	15.9%

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Racine	Projected Capital Cost for Phosphorus Removal for County	\$	43,207,722.34
100	Existing Operations and Maintenance Cost		\$	29,289,625.00
101	Existing Annual Debt Service		\$	9,297,480.25
102	Subtotal (100+101)		\$	38,587,105.25
	a) Inflation to the existing O & M Costs		\$	878,688.75
	b) Additional Operations and Maintenance for new Phosphorous Facilities		\$	2,156,597.72
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	3,035,286.47
104	Estimated Additional Annual Debt Service, plus cash funding		\$	8,182,456.40
105	Subtotal (103+104)		\$	11,217,742.87
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	49,804,848.12
107	Customer Share of the Costs (%*106)	100.00%	\$	49,804,848.12
108	Number of Customers			53100
109	Cost Per Customer (107/108)		\$	937.94
201	Current MHI		\$	54,366.80
202	Annual MHI Inflator			1.00965
203	Adjusted MHI (201*202)		\$	54,891.61
204	Annual Cost per Customer (line 109 above)		\$	937.94
205	Affordability Indicator (204/203)			1.71%

State Population Growth Rate	0.5%	County Population Growth Rate	3.3%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	3.2%	
State Unemployment	4.7%	County Unemployment Rate	6.0%	
State Poverty Rate	13.0%	County Poverty Rate	13.3%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Richland	Projected Capital Cost for Phosphorus Removal for County	\$	8,039,240.49
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100	Existing Operations and Maintenance Cost		\$	3,035,114.00
101	Existing Annual Debt Service		\$	307,101.69
102	Subtotal (100+101)		\$	3,342,215.69
	a) Inflation to the existing O & M Costs	\$ 91,053.42		
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 394,762.30		
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	485,815.72
104	Estimated Additional Annual Debt Service, plus cash funding		\$	1,522,430.05
105	Subtotal (103+104)		\$	2,008,245.77
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	5,350,461.45
107	Customer Share of the Costs (%*106)	100.00%	\$	5,350,461.45
108	Number of Customers			2364
109	Cost Per Customer (107/108)		\$	2,263.31
201	Current MHI		\$	37,845.50
202	Annual MHI Inflator			1.02551
203	Adjusted MHI (201*202)		\$	38,810.79
204	Annual Cost per Customer (line 109 above)		\$	2,263.31
205	Affordability Indicator (204/203)			5.83%

State Population Growth Rate	0.5%	County Population Growth Rate	-1.2%
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-13.6%
State Unemployment	4.7%	County Unemployment Rate	4.0%
State Poverty Rate	13.0%	County Poverty Rate	12.8%

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Rock	Projected Capital Cost for Phosphorus Removal for County	\$	71,851,058.51
100	Existing Operations and Maintenance Cost		\$	22,590,438.00
101	Existing Annual Debt Service		\$	3,767,209.96
102	Subtotal (100+101)		\$	26,357,647.96
	a) Inflation to the existing O & M Costs		\$	677,713.14
	b) Additional Operations and Maintenance for new Phosphorous Facilities		\$	4,114,310.79
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	4,792,023.93
104	Estimated Additional Annual Debt Service, plus cash funding		\$	13,606,784.21
105	Subtotal (103+104)		\$	18,398,808.13
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	44,756,456.09
107	Customer Share of the Costs (%*106)	100.00%	\$	44,756,456.09
108	Number of Customers			46843
109	Cost Per Customer (107/108)		\$	955.46
201	Current MHI		\$	50,268.89
202	Annual MHI Inflator			1.00662
203	Adjusted MHI (201*202)		\$	50,601.74
204	Annual Cost per Customer (line 109 above)		\$	955.46
205	Affordability Indicator (204/203)			1.89%

State Population Growth Rate	0.5%	County Population Growth Rate	5.5%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-5.7%	
State Unemployment	4.7%	County Unemployment Rate	5.5%	
State Poverty Rate	13.0%	County Poverty Rate	14.3%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Rusk	Projected Capital Cost for Phosphorus Removal for County	\$	6,956,714.13
100	Existing Operations and Maintenance Cost		\$	988,745.00
101	Existing Annual Debt Service		\$	99,649.14
102	Subtotal (100+101)		\$	1,088,394.14
	a) Inflation to the existing O & M Costs		\$	29,662.35
	b) Additional Operations and Maintenance for new Phosphorous Facilities		\$	139,738.12
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	169,400.47
104	Estimated Additional Annual Debt Service, plus cash funding		\$	1,317,426.77
105	Subtotal (103+104)		\$	1,486,827.24
106	Total Existing <i>plus additional cost</i> of Phosphorus facilities		\$	2,575,221.38
107	Customer Share of the Costs (%*106)	100.00%	\$	2,575,221.38
108	Number of Customers			1902
109	Cost Per Customer (107/108)		\$	1,353.95
201	Current MHI		\$	28,573.67
202	Annual MHI Inflator			1.01795
203	Adjusted MHI (201*202)		\$	29,086.56
204	Annual Cost per Customer (line 109 above)		\$	1,353.95
205	Affordability Indicator (204/203)			4.65%

State Population Growth Rate	0.5%	County Population Growth Rate	-6.2%
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-26.2%
State Unemployment	4.7%	County Unemployment Rate	6.0%
State Poverty Rate	13.0%	County Poverty Rate	18.7%

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Sauk	Projected Capital Cost for Phosphorus Removal	\$ 22,391,861.46
100	Existing Operations and Maintenance Cost		\$ 8,421,510.66
101	Existing Annual Debt Service		\$ 3,023,113.20
102	Subtotal (100+101)		\$ 11,444,623.86
	a) Inflation to the existing O & M Costs	\$ 252,645.32	
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 796,912.46	
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$ 1,049,557.78
104	Estimated Additional Annual Debt Service, plus cash funding		\$ 4,135,832.86
105	Subtotal (103+104)		\$ 5,185,390.65
106	Total Existing plus additional cost of Phosphorus facilities		\$ 16,630,014.51
107	Residential Share of the Costs (%*106)	67.33%	\$ 11,197,543.10
108	Number of Residential Customers		11963
109	Cost Per Residential Customer (107/108)		\$ 936.01
201	Current MHI		\$ 45,754.33
202	Annual MHI Inflater		1.01871
203	Adjusted MHI (201*202)		\$ 46,610.20
204	Annual Cost per Residential Customer (line 109 above)		\$ 936.01
205	Residential Indicator (204/203)		2.01%

State Population Growth Rate	0.5%	County Population Growth Rate	14.4%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-0.5%	
State Unemployment	4.7%	County Unemployment Rate	4.8%	
State Poverty Rate	13.0%	County Poverty Rate	10.8%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Sawyer	Projected Capital Cost for Phosphorus Removal	#N/A
100	Existing Operations and Maintenance Cost		\$ 76,508.00
101	Existing Annual Debt Service		\$ -
102	Subtotal (100+101)		\$ 76,508.00
	a) Inflation to the existing O & M Costs	\$ 2,295.24	
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ -	
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$ 2,295.24
104	Estimated Additional Annual Debt Service, plus cash funding		\$ -
105	Subtotal (103+104)		\$ 2,295.24
106	Total Existing plus additional cost of Phosphorus facilities		\$ 78,803.24
107	Residential Share of the Costs (%*106)	70.00%	\$ 55,162.27
108	Number of Residential Customers		89
109	Cost Per Residential Customer (107/108)		\$ 616.75
201	Current MHI		\$ 30,625.00
202	Annual MHI Inflater		1.01815
203	Adjusted MHI (201*202)		\$ 31,180.76
204	Annual Cost per Residential Customer (line 109 above)		\$ 616.75
205	Residential Indicator (204/203)		1.98%

State Population Growth Rate	0.5%	County Population Growth Rate	2.0%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-23.9%	
State Unemployment	4.7%	County Unemployment Rate	8.0%	
State Poverty Rate	13.0%	County Poverty Rate	18.8%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Shawano	Projected Capital Cost for Phosphorus Removal	\$	1,174,411.72
100	Existing Operations and Maintenance Cost		\$	3,613,953.00
101	Existing Annual Debt Service		\$	98,061.62
102	Subtotal (100+101)		\$	3,712,014.62
	a) Inflation to the existing O & M Costs		\$	108,418.59
	b) Additional Operations and Maintenance for new Phosphorous Facilities		\$	221,579.58
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	329,998.17
104	Estimated Additional Annual Debt Service, plus cash funding		\$	216,916.78
105	Subtotal (103+104)		\$	546,914.95
106	Total Existing plus additional cost of Phosphorus facilities		\$	4,258,929.58
107	Residential Share of the Costs (%*106)	66.67%	\$	2,839,286.38
108	Number of Residential Customers			5676
109	Cost Per Residential Customer (107/108)		\$	500.23
201	Current MHI		\$	38,106.20
202	Annual MHI Inflater			1.01716
203	Adjusted MHI (201*202)		\$	38,759.92
204	Annual Cost per Residential Customer (line 109 above)		\$	500.23
205	Residential Indicator (204/203)		1.29%	

State Population Growth Rate	0.5%	County Population Growth Rate	2.4%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-11.2%	
State Unemployment	4.7%	County Unemployment Rate	5.2%	
State Poverty Rate	13.0%	County Poverty Rate	11.5%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Sheboygan	Projected Capital Cost for Phosphorus Removal	\$ 17,477,064.28
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100	Existing Operations and Maintenance Cost		\$	9,922,207.00
101	Existing Annual Debt Service		\$	1,783,725.15
102	Subtotal (100+101)		\$	11,705,932.15
	a) Inflation to the existing O & M Costs	\$ 297,666.21		
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$1,222,088.79		
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	1,519,755.00
104	Estimated Additional Annual Debt Service, plus cash funding		\$	3,228,057.52
105	Subtotal (103+104)		\$	4,747,812.52
106	Total Existing plus additional cost of Phosphorus facilities		\$	16,453,744.67
107	Residential Share of the Costs (%*106)	66.00%	\$	10,859,471.48
108	Number of Residential Customers			24909
109	Cost Per Residential Customer (107/108)		\$	435.96
201	Current MHI		\$	54,390.27
202	Annual MHI Inflater			1.01112
203	Adjusted MHI (201*202)		\$	54,995.00
204	Annual Cost per Residential Customer (line 109 above)		\$	435.96
205	Residential Indicator (204/203)			0.79%

State Population Growth Rate	0.5%	County Population Growth Rate	2.0%
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	1.0%
State Unemployment	4.7%	County Unemployment Rate	4.0%
State Poverty Rate	13.0%	County Poverty Rate	9.5%

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	St. Croix	Projected Capital Cost for Phosphorus Removal	\$ 14,703,107.76
100	Existing Operations and Maintenance Cost		\$ 2,890,155.00
101	Existing Annual Debt Service		\$ 476,118.70
102	Subtotal (100+101)		\$ 3,366,273.70
	a) Inflation to the existing O & M Costs	\$ 86,704.65	
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 345,378.52	
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$ 432,083.17
104	Estimated Additional Annual Debt Service, plus cash funding		\$ 2,715,700.81
105	Subtotal (103+104)		\$ 3,147,783.98
106	Total Existing plus additional cost of Phosphorus facilities		\$ 6,514,057.68
107	Residential Share of the Costs (%*106)	67.14%	\$ 4,373,724.45
108	Number of Residential Customers		6696
109	Cost Per Residential Customer (107/108)		\$ 653.19
201	Current MHI		\$ 55,615.14
202	Annual MHI Inflater		1.01890
203	Adjusted MHI (201*202)		\$ 56,666.25
204	Annual Cost per Residential Customer (line 109 above)		\$ 653.19
205	Residential Indicator (204/203)		1.15%

State Population Growth Rate	0.5%	County Population Growth Rate	36.1%
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	30.6%
State Unemployment	4.7%	County Unemployment Rate	2.8%
State Poverty Rate	13.0%	County Poverty Rate	7.6%

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Taylor	Projected Capital Cost for Phosphorus Removal	\$ 13,137,898.58
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100	Existing Operations and Maintenance Cost		\$	2,356,607.00
101	Existing Annual Debt Service		\$	45,556.12
102	Subtotal (100+101)		\$	2,402,163.12
	a) Inflation to the existing O & M Costs	\$ 70,698.21		
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 436,566.60		
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	507,264.81
104	Estimated Additional Annual Debt Service, plus cash funding		\$	2,426,602.75
105	Subtotal (103+104)		\$	2,933,867.57
106	Total Existing plus additional cost of Phosphorus facilities		\$	5,336,030.68
107	Residential Share of the Costs (%*106)	68.33%	\$	3,646,287.63
108	Number of Residential Customers			2173
109	Cost Per Residential Customer (107/108)		\$	1,677.83
201	Current MHI		\$	37,347.67
202	Annual MHI Inflater			1.01272
203	Adjusted MHI (201*202)		\$	37,822.75
204	Annual Cost per Residential Customer (line 109 above)		\$	1,677.83
205	Residential Indicator (204/203)			4.44%

State Population Growth Rate	0.5%	County Population Growth Rate	4.7%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-14.4%	
State Unemployment	4.7%	County Unemployment Rate	4.8%	
State Poverty Rate	13.0%	County Poverty Rate	13.9%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Trempealeau	Projected Capital Cost for Phosphorus Removal	\$ 24,768,276.00
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100	Existing Operations and Maintenance Cost		\$	3,524,920.00
101	Existing Annual Debt Service		\$	257,629.91
102	Subtotal (100+101)		\$	3,782,549.91
	a) Inflation to the existing O & M Costs	\$ 105,747.60		
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 686,026.29		
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	791,773.89
104	Estimated Additional Annual Debt Service, plus cash funding		\$	4,574,762.58
105	Subtotal (103+104)		\$	5,366,536.47
106	Total Existing plus additional cost of Phosphorus facilities		\$	9,149,086.38
107	Residential Share of the Costs (%*106)	70.00%	\$	6,404,360.47
108	Number of Residential Customers			4159
109	Cost Per Residential Customer (107/108)		\$	1,539.89
201	Current MHI		\$	46,079.00
202	Annual MHI Inflater			1.02285
203	Adjusted MHI (201*202)		\$	47,131.82
204	Annual Cost per Residential Customer (line 109 above)		\$	1,539.89
205	Residential Indicator (204/203)			3.27%

State Population Growth Rate	0.5%	County Population Growth Rate	9.5%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-6.2%	
State Unemployment	4.7%	County Unemployment Rate	3.8%	
State Poverty Rate	13.0%	County Poverty Rate	11.9%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Vernon	Projected Capital Cost for Phosphorus Removal	\$ 15,379,670.28
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100	Existing Operations and Maintenance Cost	\$	1,899,419.00
101	Existing Annual Debt Service	\$	194,804.87
102	Subtotal (100+101)	\$	2,094,223.87
	a) Inflation to the existing O & M Costs	\$	56,982.57
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$	282,571.37
103	Estimated Additional Annual Operations & Maintenance (a+b)	\$	339,553.94
104	Estimated Additional Annual Debt Service, plus cash funding	\$	2,840,663.60
105	Subtotal (103+104)	\$	3,180,217.53
106	Total Existing plus additional cost of Phosphorus facilities		\$ 5,274,441.41
107	Residential Share of the Costs (%*106)	69.09%	\$ 3,644,159.52
108	Number of Residential Customers		4241
109	Cost Per Residential Customer (107/108)		\$ 859.34
201	Current MHI	\$	41,328.73
202	Annual MHI Inflater		1.02854
203	Adjusted MHI (201*202)	\$	42,508.28
204	Annual Cost per Residential Customer (line 109 above)	\$	859.34
205	Residential Indicator (204/203)		2.02%

State Population Growth Rate	0.5%	County Population Growth Rate	8.1%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-13.2%	
State Unemployment	4.7%	County Unemployment Rate	4.3%	
State Poverty Rate	13.0%	County Poverty Rate	14.5%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Vilas	Projected Capital Cost for Phosphorus Removal	\$	396,947.16
100	Existing Operations and Maintenance Cost		\$	402,684.00
101	Existing Annual Debt Service		\$	-
102	Subtotal (100+101)		\$	402,684.00
	a) Inflation to the existing O & M Costs		\$	12,080.52
	b) Additional Operations and Maintenance for new Phosphorous Facilities		\$	-
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	12,080.52
104	Estimated Additional Annual Debt Service, plus cash funding		\$	-
105	Subtotal (103+104)		\$	12,080.52
106	Total Existing plus additional cost of Phosphorus facilities		\$	414,764.52
107	Residential Share of the Costs (%*106)	59.00%	\$	244,711.07
108	Number of Residential Customers			6136
109	Cost Per Residential Customer (107/108)		\$	39.88
201	Current MHI		\$	34,778.50
202	Annual MHI Inflater			1.01612
203	Adjusted MHI (201*202)		\$	35,339.09
204	Annual Cost per Residential Customer (line 109 above)		\$	39.88
205	Residential Indicator (204/203)			0.11%

State Population Growth Rate	0.5%	County Population Growth Rate	1.6%
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-22.1%
State Unemployment	4.7%	County Unemployment Rate	8.3%
State Poverty Rate	13.0%	County Poverty Rate	13.3%

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Walworth	Projected Capital Cost for Phosphorus Removal	\$	38,978,742.28
100	Existing Operations and Maintenance Cost		\$	16,984,078.70
101	Existing Annual Debt Service		\$	3,082,693.00
102	Subtotal (100+101)		\$	20,066,771.70
	a) Inflation to the existing O & M Costs	\$ 509,522.36		
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$1,616,374.82		
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	2,125,897.18
104	Estimated Additional Annual Debt Service, plus cash funding		\$	7,199,471.27
105	Subtotal (103+104)		\$	9,325,368.45
106	Total Existing plus additional cost of Phosphorus facilities		\$	29,392,140.15
107	Residential Share of the Costs (%*106)	63.75%	\$	18,737,489.35
108	Number of Residential Customers			21231
109	Cost Per Residential Customer (107/108)		\$	882.56
201	Current MHI		\$	51,579.25
202	Annual MHI Inflater			1.01612
203	Adjusted MHI (201*202)		\$	52,410.64
204	Annual Cost per Residential Customer (line 109 above)		\$	882.56
205	Residential Indicator (204/203)			1.68%

State Population Growth Rate	0.5%	County Population Growth Rate	9.8%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	3.1%	
State Unemployment	4.7%	County Unemployment Rate	4.8%	
State Poverty Rate	13.0%	County Poverty Rate	13.4%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Washburn	Projected Capital Cost for Phosphorus Removal	#N/A
100	Existing Operations and Maintenance Cost		\$ 287,923.00
101	Existing Annual Debt Service		\$ 85,858.56
102	Subtotal (100+101)		\$ 373,781.56
	a) Inflation to the existing O & M Costs	\$ 8,637.69	
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ -	
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$ 8,637.69
104	Estimated Additional Annual Debt Service, plus cash funding		\$ -
105	Subtotal (103+104)		\$ 8,637.69
106	Total Existing plus additional cost of Phosphorus facilities		\$ 382,419.25
107	Residential Share of the Costs (%*106)	70.00%	\$ 267,693.48
108	Number of Residential Customers		386
109	Cost Per Residential Customer (107/108)		\$ 693.25
201	Current MHI		\$ 31,953.50
202	Annual MHI Inflater		1.01288
203	Adjusted MHI (201*202)		\$ 32,364.95
204	Annual Cost per Residential Customer (line 109 above)		\$ 693.25
205	Residential Indicator (204/203)		2.14%

State Population Growth Rate	0.5%	County Population Growth Rate	-2.2%
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-20.0%
State Unemployment	4.7%	County Unemployment Rate	5.8%
State Poverty Rate	13.0%	County Poverty Rate	13.8%

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Washington	Projected Capital Cost for Phosphorus Removal	\$ 49,344,522.23
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100	Existing Operations and Maintenance Cost	\$	21,744,578.00
101	Existing Annual Debt Service	\$	1,198,852.31
102	Subtotal (100+101)	\$	22,943,430.31
	a) Inflation to the existing O & M Costs	\$	652,337.34
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$	1,911,293.40
103	Estimated Additional Annual Operations & Maintenance (a+b)	\$	2,563,630.74
104	Estimated Additional Annual Debt Service, plus cash funding	\$	9,114,056.77
105	Subtotal (103+104)	\$	11,677,687.51
106	Total Existing plus additional cost of Phosphorus facilities	\$	34,621,117.82
107	Residential Share of the Costs (%*106)	62.67%	\$ 21,695,900.50
108	Number of Residential Customers		22931
109	Cost Per Residential Customer (107/108)	\$	946.12
201	Current MHI	\$	58,568.86
202	Annual MHI Inflater		1.01873
203	Adjusted MHI (201*202)	\$	59,665.65
204	Annual Cost per Residential Customer (line 109 above)	\$	946.12
205	Residential Indicator (204/203)	1.59%	

State Population Growth Rate	0.5%	County Population Growth Rate	13.0%
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	26.2%
State Unemployment	4.7%	County Unemployment Rate	4.1%
State Poverty Rate	13.0%	County Poverty Rate	6.3%

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Waukesha	Projected Capital Cost for Phosphorus Removal	\$ 97,588,878.86
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100	Existing Operations and Maintenance Cost		\$	47,580,254.00
101	Existing Annual Debt Service		\$	5,174,717.35
102	Subtotal (100+101)		\$	52,754,971.35
	a) Inflation to the existing O & M Costs	\$1,427,407.62		
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$4,021,939.91		
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	5,449,347.53
104	Estimated Additional Annual Debt Service, plus cash funding		\$	18,024,910.21
105	Subtotal (103+104)		\$	23,474,257.74
106	Total Existing plus additional cost of Phosphorus facilities		\$	76,229,229.09
107	Residential Share of the Costs (%*106)	63.65%	\$	48,517,662.28
108	Number of Residential Customers			52535
109	Cost Per Residential Customer (107/108)		\$	923.54
201	Current MHI		\$	71,716.31
202	Annual MHI Inflater			1.01231
203	Adjusted MHI (201*202)		\$	72,599.04
204	Annual Cost per Residential Customer (line 109 above)		\$	923.54
205	Residential Indicator (204/203)			1.27%

State Population Growth Rate	0.5%	County Population Growth Rate	9.2%
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	44.7%
State Unemployment	4.7%	County Unemployment Rate	4.2%
State Poverty Rate	13.0%	County Poverty Rate	5.4%

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Waupaca	Projected Capital Cost for Phosphorus Removal	\$	7,209,204.61
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100	Existing Operations and Maintenance Cost		\$	8,974,946.73
101	Existing Annual Debt Service		\$	148,367.85
102	Subtotal (100+101)		\$	9,123,314.58
	a) Inflation to the existing O & M Costs	\$ 269,248.40		
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$ 515,673.24		
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	784,921.64
104	Estimated Additional Annual Debt Service, plus cash funding		\$	1,331,558.14
105	Subtotal (103+104)		\$	2,116,479.78
106	Total Existing plus additional cost of Phosphorus facilities		\$	11,239,794.35
107	Residential Share of the Costs (%*106)	67.27%	\$	7,561,316.20
108	Number of Residential Customers			8169
109	Cost Per Residential Customer (107/108)		\$	925.63
201	Current MHI		\$	40,683.22
202	Annual MHI Inflater			1.01593
203	Adjusted MHI (201*202)		\$	41,331.19
204	Annual Cost per Residential Customer (line 109 above)		\$	925.63
205	Residential Indicator (204/203)			2.24%

State Population Growth Rate	0.5%	County Population Growth Rate	1.1%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-3.0%	
State Unemployment	4.7%	County Unemployment Rate	5.0%	
State Poverty Rate	13.0%	County Poverty Rate	10.6%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Waushara	Projected Capital Cost for Phosphorus Removal	\$	6,934,311.70
100	Existing Operations and Maintenance Cost		\$	1,553,018.00
101	Existing Annual Debt Service		\$	38,154.05
102	Subtotal (100+101)		\$	1,591,172.05
	a) Inflation to the existing O & M Costs		\$	46,590.54
	b) Additional Operations and Maintenance for new Phosphorous Facilities		\$	226,588.08
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	273,178.62
104	Estimated Additional Annual Debt Service, plus cash funding		\$	1,280,784.73
105	Subtotal (103+104)		\$	1,553,963.35
106	Total Existing plus additional cost of Phosphorus facilities		\$	3,145,135.40
107	Residential Share of the Costs (%*106)	70.00%	\$	2,201,594.78
108	Number of Residential Customers			1348
109	Cost Per Residential Customer (107/108)		\$	1,632.65
201	Current MHI		\$	32,572.33
202	Annual MHI Inflater			1.01864
203	Adjusted MHI (201*202)		\$	33,179.40
204	Annual Cost per Residential Customer (line 109 above)		\$	1,632.65
205	Residential Indicator (204/203)			4.92%

State Population Growth Rate	0.5%	County Population Growth Rate	5.1%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-17.8%	
State Unemployment	4.7%	County Unemployment Rate	6.1%	
State Poverty Rate	13.0%	County Poverty Rate	11.6%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Winnebago	Projected Capital Cost for Phosphorus Removal	\$	83,391,957.34
100	Existing Operations and Maintenance Cost		\$	34,015,075.00
101	Existing Annual Debt Service		\$	2,321,547.28
102	Subtotal (100+101)		\$	36,336,622.28
	a) Inflation to the existing O & M Costs		\$1,020,452.25	
	b) Additional Operations and Maintenance for new Phosphorous Facilities		\$4,056,662.25	
103	Estimated Additional Annual Operations & Maintenance (a+b)		\$	5,077,114.50
104	Estimated Additional Annual Debt Service, plus cash funding		\$	15,402,703.27
105	Subtotal (103+104)		\$	20,479,817.77
106	Total Existing plus additional cost of Phosphorus facilities		\$	56,816,440.05
107	Residential Share of the Costs (%*106)	64.77%	\$	36,799,571.17
108	Number of Residential Customers			43749
109	Cost Per Residential Customer (107/108)		\$	841.16
201	Current MHI		\$	43,548.25
202	Annual MHI Inflater			1.01262
203	Adjusted MHI (201*202)		\$	44,097.81
204	Annual Cost per Residential Customer (line 109 above)		\$	841.16
205	Residential Indicator (204/203)		1.91%	

State Population Growth Rate	0.5%	County Population Growth Rate	8.2%	
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-2.7%	
State Unemployment	4.7%	County Unemployment Rate	4.3%	
State Poverty Rate	13.0%	County Poverty Rate	12.3%	

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

County	Wood	Projected Capital Cost for Phosphorus Removal	\$ 33,216,840.97
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100	Existing Operations and Maintenance Cost	\$	12,499,395.00
101	Existing Annual Debt Service	\$	3,895,492.09
102	Subtotal (100+101)	\$	16,394,887.09
	a) Inflation to the existing O & M Costs	\$ 374,981.85	
	b) Additional Operations and Maintenance for new Phosphorous Facilities	\$1,376,167.06	
103	Estimated Additional Annual Operations & Maintenance (a+b)	\$	1,751,148.91
104	Estimated Additional Annual Debt Service, plus cash funding	\$	6,135,233.68
105	Subtotal (103+104)	\$	7,886,382.59
106	Total Existing plus additional cost of Phosphorus facilities		\$ 24,281,269.68
107	Residential Share of the Costs (%*106)	66.22%	\$ 16,079,596.37
108	Number of Residential Customers		14861
109	Cost Per Residential Customer (107/108)		\$ 1,082.02
201	Current MHI	\$	45,481.44
202	Annual MHI Inflater		1.01681
203	Adjusted MHI (201*202)	\$	46,246.20
204	Annual Cost per Residential Customer (line 109 above)	\$	1,082.02
205	Residential Indicator (204/203)		2.34%

State Population Growth Rate	0.5%	County Population Growth Rate	-2.1%
State MHI (2013 Estimate)	\$ 52,413	County Delta to State MHI	-9.0%
State Unemployment	4.7%	County Unemployment Rate	5.0%
State Poverty Rate	13.0%	County Poverty Rate	11.0%

State Indicators	
	Above State Avg.
	Below State Avg.

Affordability Indicator	
	Above 2% of MHI
	Between 1% and 1.99% of MHI
	Below 1% of MHI

**PROJECTED CAPITAL COSTS AND FINANCING BY
PERMITTEE**

**Appendix G
Projected Capital and Financing Cost by Permittee**

	Capital	Interest	Total Capital + Interest
EIF2016 Capital and Debt Service Costs over 20 YR	\$ 80,000,000	\$ 28,381,825	\$ 108,381,825
EIF2017 Capital and Debt Service Costs over 20 Yr	\$ 80,000,000	\$ 28,381,825	\$ 108,381,825
OMB Capital and Debt Service Costs over 20 Years	\$ 1,379,618,778	\$ 882,577,820	\$ 2,262,196,598
Total Capital and Debt Service	\$ 1,539,618,778	\$ 939,341,471	\$ 2,478,960,249
Capital Cash funded	\$ 171,068,753	\$ -	\$ 171,068,753
Total Capital (Cash and Debt Service)	\$ 1,710,687,531	\$ 939,341,471	\$ 2,650,029,002

	Rate	Years
ENR 20 year inflation rate	3.49%	EIF Estimated Debt
Cash funded capital estimate	10.00%	Open Market Estimated Debt
	2.87%	20
	5.02%	20

Permit #	LetterNeededFacility	Basin	County	Capital Cost in 2014	Estimated Annual O&M Cost	2016-2017 Costs	Cash Funded 2016	Cash Funded 2017	To Bond Fund	Estimated Debt Service Payments			Additional Debt Service Plus Cash
										2016 EIF	2017 EIF	2016 OMB	
0024597	MADISON METROPOLITAN SEWERAGE DISTRICT WWTF	Rock River (lower)	Dane	\$135,000,000	\$6,677,450	\$ 144,587,431	\$ 7,229,372	\$ 7,229,372	\$ 130,128,688	\$ 458,022	\$ 458,022	\$ 9,560,051	\$ 24,934,838
0023787	GREEN BAY METROPOLITAN SEWERAGE DISTRICT	Fox River (lower)	Brown	\$44,677,215	\$3,806,055	\$ 47,850,102	\$ 2,392,505	\$ 2,392,505	\$ 43,065,092	\$ 151,579	\$ 151,579	\$ 3,163,826	\$ 8,251,994
0029581	LA CROSSE CITY	La Crosse River	La Crosse	\$40,947,662	\$1,165,247	\$ 43,855,684	\$2,192,784	\$2,192,784	\$ 39,470,115	\$ 138,925	\$ 138,925	\$ 2,899,717	\$ 7,563,136
0025038	OSHKOSH WASTEWATER TREATMENT PLANT	Fox River (upper)	Winnebago	\$40,947,662	\$1,594,524	\$ 43,855,684	\$ 2,192,784	\$ 2,192,784	\$ 39,470,115	\$ 138,925	\$ 138,925	\$ 2,899,717	\$ 7,563,136
0030350	JANESVILLE WASTEWATER UTILITY	Rock River (lower)	Rock	\$33,700,303	\$2,063,213	\$ 36,093,632	\$ 1,804,682	\$ 1,804,682	\$ 32,484,269	\$ 114,337	\$ 114,337	\$ 2,386,493	\$ 6,224,530
0029971	WAUKESHA CITY	Fox River	Waukesha	\$29,725,362	\$1,228,264	\$ 31,836,398	\$ 1,591,820	\$ 1,591,820	\$ 28,652,758	\$ 100,851	\$ 100,851	\$ 2,105,007	\$ 5,490,399
0023469	BROOKFIELD, CITY OF	Fox River	Waukesha	\$26,849,077	\$1,106,746	\$ 28,755,845	\$ 1,437,792	\$ 1,437,792	\$ 25,880,261	\$ 91,092	\$ 91,092	\$ 1,901,323	\$ 4,959,042
0023990	FOND DU LAC WATER POLLUTION CONTROL PLANT	Fox River (upper)	Fond Du Lac	\$24,132,605	\$984,062	\$ 25,846,455	\$ 1,292,323	\$ 1,292,323	\$ 23,261,809	\$ 81,876	\$ 81,876	\$ 1,708,955	\$ 4,457,353
0026085	NEENAH MENASHA SEWER COMMISSION WWTF	Fox River (lower)	Winnebago	\$20,093,688	\$1,349,501	\$ 21,520,701	\$ 1,076,035	\$ 1,076,035	\$ 19,368,631	\$ 68,173	\$ 68,173	\$ 1,422,938	\$ 3,711,354
0023221	APPLETON WASTEWATER TREATMENT FACILITY	Fox River (lower)	Outagamie	\$18,324,066	\$854,559	\$ 19,625,404	\$ 981,270	\$ 981,270	\$ 17,662,864	\$ 62,169	\$ 62,169	\$ 1,297,622	\$ 3,384,501
0023370	BELOIT WASTEWATER TREATMENT FACILITY	Rock River (lower)	Rock	\$17,774,723	\$1,396,695	\$ 19,037,049	\$ 951,852	\$ 951,852	\$ 17,133,344	\$ 60,305	\$ 60,305	\$ 1,258,720	\$ 3,283,036
0025763	WEST BEND CITY	Milwaukee River	Washington	\$17,474,320	\$661,157	\$ 18,715,311	\$ 935,766	\$ 935,766	\$ 16,843,780	\$ 59,286	\$ 59,286	\$ 1,237,447	\$ 3,227,551
0036820	MILWAUKEE METRO SEW DIST COMBINED	Milwaukee River	Milwaukee	\$17,182,309	\$4,592,789	\$ 18,402,562	\$ 920,128	\$ 920,128	\$ 16,562,306	\$ 58,295	\$ 58,295	\$ 1,216,768	\$ 3,173,615
0020559	SUSSEX WASTEWATER TREATMENT FACILITY	Fox River	Waukesha	\$12,844,106	\$396,329	\$ 13,756,268	\$ 687,813	\$ 687,813	\$ 12,380,642	\$ 43,577	\$ 43,577	\$ 909,558	\$ 2,372,338
0031232	HEART OF VALLEY MSD WW TRMNT FAC	Fox River (lower)	Outagamie	\$12,542,777	\$803,414	\$ 13,433,540	\$ 671,677	\$ 671,677	\$ 12,090,186	\$ 42,555	\$ 42,555	\$ 888,219	\$ 2,316,682
0024686	GRAND CHUTE MENASHA WEST SEWERAGE COMMISSION	Fox River (lower)	Winnebago	\$12,299,100	\$810,790	\$ 13,172,557	\$ 658,628	\$ 658,628	\$ 11,855,302	\$ 41,728	\$ 41,728	\$ 897,963	\$ 2,271,674
0021024	MARSHFIELD WASTEWATER TREATMENT FACILITY	Wisconsin River (upper)	Wood	\$12,188,373	\$533,178	\$ 13,053,967	\$ 652,698	\$ 652,698	\$ 11,748,570	\$ 41,352	\$ 41,352	\$ 863,122	\$ 2,251,223
0020478	SUN PRAIRIE WASTEWATER TREATMENT FACILITY	Rock River (lower)	Dane	\$11,856,382	\$581,852	\$ 12,698,399	\$ 634,920	\$ 634,920	\$ 11,428,559	\$ 40,226	\$ 40,226	\$ 839,612	\$ 2,189,903
0023345	BEAVER DAM WASTEWATER TREATMENT FACILITY	Rock River (upper)	Dodge	\$11,709,564	\$667,018	\$ 12,541,154	\$ 627,058	\$ 627,058	\$ 11,287,039	\$ 39,728	\$ 39,728	\$ 829,215	\$ 2,162,786
0021181	OCONOMOWOC WASTEWATER TREATMENT PLNT	Rock River (upper)	Waukesha	\$11,289,933	\$651,741	\$ 12,091,721	\$ 604,586	\$ 604,586	\$ 10,882,549	\$ 38,304	\$ 38,304	\$ 799,499	\$ 2,085,279
0031461	WALWORTH COUNTY METRO	Rock River (lower)	Walworth	\$11,281,179	\$818,143	\$ 12,082,346	\$ 604,117	\$ 604,117	\$ 10,874,111	\$ 38,274	\$ 38,274	\$ 798,879	\$ 2,083,662
0020362	MONROE WASTEWATER TREATMENT FACILITY	Pecatonica River	Green	\$10,793,596	\$406,232	\$ 11,560,136	\$ 578,007	\$ 578,007	\$ 10,404,122	\$ 36,620	\$ 36,620	\$ 764,351	\$ 1,993,604
0020001	WHITEWATER WASTEWATER TREATMENT FACIL	Rock River (lower)	Walworth	\$10,714,294	\$368,965	\$ 11,475,202	\$ 573,760	\$ 573,760	\$ 10,327,682	\$ 36,351	\$ 36,351	\$ 758,735	\$ 1,978,957
0020192	HARTFORD WATER POLLUTION CONTROL FACILITY	Rock River (upper)	Washington	\$10,634,493	\$601,432	\$ 11,389,733	\$ 569,487	\$ 569,487	\$ 10,250,760	\$ 36,080	\$ 36,080	\$ 753,084	\$ 1,964,217
0022926	BURLINGTON WATER POLLUTION CONTROL	Fox River	Racine	\$10,473,352	\$539,398	\$ 11,217,149	\$ 560,857	\$ 560,857	\$ 10,095,434	\$ 35,534	\$ 35,534	\$ 741,672	\$ 1,934,454
0028541	WATERTOWN WASTEWATER TREATMENT FACILITY	Rock River (upper)	Jefferson	\$9,591,108	\$543,374	\$ 10,272,249	\$ 513,612	\$ 513,612	\$ 9,245,024	\$ 32,540	\$ 32,540	\$ 679,196	\$ 1,771,502
0020222	CEDARBURG WASTEWATER TREATMENT FACILITY	Milwaukee River	Ozaukee	\$9,190,077	\$444,986	\$ 9,842,738	\$ 492,137	\$ 492,137	\$ 8,858,464	\$ 31,180	\$ 31,180	\$ 650,797	\$ 1,697,430
0020371	REEDSBURG WASTEWATER TREATMENT FACILITY	Baraboo-Lemonweir	Sauk	\$9,007,413	\$360,167	\$ 9,647,102	\$ 482,355	\$ 482,355	\$ 8,682,392	\$ 30,560	\$ 30,560	\$ 637,862	\$ 1,663,692
0020184	GRAFTON VILLAGE WATER & WASTEWATER UTILITY	Milwaukee River	Ozaukee	\$8,727,389	\$383,458	\$ 9,347,190	\$ 467,360	\$ 467,360	\$ 8,412,471	\$ 29,610	\$ 29,610	\$ 618,032	\$ 1,611,971
0028754	WESTERN RACINE COUNTY SEWERAGE DISTRICT	Fox River	Racine	\$8,727,389	\$284,910	\$ 9,347,190	\$ 467,360	\$ 467,360	\$ 8,412,471	\$ 29,610	\$ 29,610	\$ 618,032	\$ 1,611,971
0022144	ANTIGO CITY OF	Wisconsin River (upper)	Langlade	\$8,670,469	\$345,321	\$ 9,286,228	\$ 464,311	\$ 464,311	\$ 8,357,605	\$ 29,417	\$ 29,417	\$ 614,001	\$ 1,601,457
0021318	TOMAH WASTEWATER TREATMENT FACILITY	Baraboo-Lemonweir	Monroe	\$8,302,359	\$263,708	\$ 8,891,976	\$ 444,599	\$ 444,599	\$ 8,002,779	\$ 28,168	\$ 28,168	\$ 587,933	\$ 1,533,467
0020737	SPARTA WASTEWATER TREATMENT FACILITY	La Crosse River	Monroe	\$8,143,178	\$243,812	\$ 8,721,490	\$ 436,075	\$ 436,075	\$ 7,849,341	\$ 27,628	\$ 27,628	\$ 576,661	\$ 1,504,065
0022772	WAUPUN WASTEWATER TREATMENT FACILITY	Rock River (upper)	Dodge	\$7,960,896	\$363,109	\$ 8,526,262	\$ 426,313	\$ 426,313	\$ 7,673,636	\$ 27,009	\$ 27,009	\$ 563,752	\$ 1,470,397
0020435	PLATTEVILLE WASTEWATER TREATMENT FACILITY	Grant-Platte	Grant	\$7,837,389	\$195,503	\$ 8,393,985	\$ 419,699	\$ 419,699	\$ 7,554,587	\$ 26,590	\$ 26,590	\$ 555,006	\$ 1,447,585
0025844	WISCONSIN RAPIDS WWTF	Wisconsin River (upper)	Wood	\$7,774,755	\$494,016	\$ 8,326,903	\$ 416,345	\$ 416,345	\$ 7,494,213	\$ 26,378	\$ 26,378	\$ 550,571	\$ 1,436,017
0020257	PRAIRIE DU CHIEN WASTEWATER TREATMENT FAC.	Bad Axe River & Coon Creek	Crawford	\$7,733,197	\$250,340	\$ 8,282,394	\$ 414,120	\$ 414,120	\$ 7,454,154	\$ 26,237	\$ 26,237	\$ 547,628	\$ 1,428,341
0028291	UNION GROVE VILLAGE	Root River	Racine	\$7,733,197	\$226,274	\$ 8,282,394	\$ 414,120	\$ 414,120	\$ 7,454,154	\$ 26,237	\$ 26,237	\$ 547,628	\$ 1,428,341
0032026	DELAFIELD HARTLAND POLLUTION CONTROL COMM	Rock River (lower)	Waukesha	\$7,395,296	\$339,030	\$ 7,920,495	\$ 396,025	\$ 396,025	\$ 7,128,445	\$ 25,090	\$ 25,090	\$ 523,699	\$ 1,365,930
0020681	OREGON WASTEWATER TREATMENT FACILITY	Rock River (lower)	Dane	\$7,303,962	\$363,109	\$ 7,822,675	\$ 391,134	\$ 391,134	\$ 7,040,408	\$ 24,781	\$ 24,781	\$ 517,231	\$ 1,349,060
0030031	PLYMOUTH CITY UTIL COMMISSION WWTF	Sheboygan River	Sheboygan	\$7,303,962	\$351,288	\$ 7,822,675	\$ 391,134	\$ 391,134	\$ 7,040,408	\$ 24,781	\$ 24,781	\$ 517,231	\$ 1,349,060
0021032	RIPON WASTEWATER TREATMENT FACILITY	Fox River (upper)	Fond Du Lac	\$7,303,962	\$310,223	\$ 7,822,675	\$ 391,134	\$ 391,134	\$ 7,040,408	\$ 24,781	\$ 24,781	\$ 517,231	\$ 1,349,060
0023230	ARCADIA WASTEWATER TREATMENT FACILITY	Trempealeau River	Trempealeau	\$7,169,117	\$284,209	\$ 7,678,253	\$ 383,913	\$ 383,913	\$ 6,910,428	\$ 24,323	\$ 24,323	\$ 507,682	\$ 1,324,154
0021806	JACKSON (VILLAGE) WASTEWATER TREATMENT PLANT	Milwaukee River	Washington	\$7,058,549	\$270,298	\$ 7,559,833	\$ 377,992	\$ 377,992	\$ 6,803,850	\$ 23,948	\$ 23,948	\$ 499,852	\$ 1,303,732
0021555	SAUKVILLE VILLAGE SEWER UTILITY	Milwaukee River	Ozaukee	\$6,866,176	\$334,180	\$ 7,353,798	\$ 367,690	\$ 367,690	\$ 6,618,418	\$ 23,295	\$ 23,295	\$ 486,230	\$ 1,268,200
0031470	NORWAY TN SANITARY DISTRICT 1 WWTF	Fox River	Racine	\$6,852,260	\$333,271	\$ 7,338,894	\$ 366,945	\$ 366,945	\$ 6,605,005	\$ 23,248	\$ 23,248	\$ 485,244	\$ 1,265,630
0020109	RICHLAND CENTER WASTEWATER TREATMENT FAC	Wisconsin River (lower)	Richland	\$6,852,260	\$333,271	\$ 7,338,894	\$ 366,945	\$ 366,945	\$ 6,605,005	\$ 23,248	\$ 23,248	\$ 485,244	\$ 1,265,630
0031496	SALEM UTILITY DISTRICT	Fox River	Kenosha	\$6,782,323	\$265,361	\$ 7,263,990	\$ 363,199	\$ 363,199	\$ 6,537,591	\$ 23,011	\$ 23,011	\$ 480,291	\$ 1,252,712
0022489	FORT ATKINSON WASTEWATER TREATMENT FACILITY	Rock River (lower)	Jefferson	\$6,705,877	\$403,013	\$ 7,182,115	\$ 359,106	\$ 359,106	\$ 6,463,903	\$ 22,751	\$ 22,751	\$ 474,878	\$ 1,238,592
0021229	BERLIN WASTEWATER TREATMENT FACILITY	Fox River (upper)	Waukesha	\$6,616,713	\$193,834	\$ 7,086,619	\$ 354,331	\$ 354,331	\$ 6,377,957	\$ 22,449	\$ 22,449	\$ 468,564	\$ 1,222,123
0020265	MUKWONAGO WASTEWATER TREATMENT PLANT	Fox River	Waukesha	\$6,616,713	\$212,087	\$ 7,086,619	\$ 354,331	\$ 354,331	\$ 6,377,957	\$ 22,449	\$ 22,449	\$ 468,564	\$ 1,222,123
0020290	SLINGER WASTEWATER TREATMENT FACILITY	Rock River (upper)	Washington	\$6,616,713	\$183,708	\$ 7,086,619	\$ 354,331	\$ 354,331	\$ 6,377,957	\$ 22,449	\$ 22,449	\$ 468,564	\$ 1,222,123
0024333	JEFFERSON WASTEWATER TREATMENT FACILITY	Rock River (upper)	Jefferson	\$6,527,614	\$351,443	\$ 6,991,192	\$ 349,560	\$ 349,560	\$ 6,292,073	\$ 22,147	\$ 22,147	\$ 462,254	\$ 1,205,667
0036731	MEDFORD CITY OF	Black River	Taylor	\$6,496,243	\$310,223	\$ 6,957,594	\$ 347,880	\$ 347,880	\$ 6,261,834	\$ 22,040	\$ 22,040	\$ 460,033	\$ 1,199,872
0024708	MENOMONIE WASTEWATER TREATMENT FACILITY	Chippewa River (lower)	Dunn	\$6,349,139	\$300,824	\$ 6,800,403	\$ 340,002	\$ 340,002	\$ 6,120,038	\$ 21,541	\$ 21,541	\$ 449,616	\$ 1,172,702
0020893	NEW HOLSTEIN WASTEWATER TREATMENT FACILITY	Manitowoc River	Calumet	\$6,199,097	\$291,315	\$ 6,639,344	\$ 331,967	\$ 331,967	\$ 5,975,410	\$ 21,032	\$ 21,032	\$ 438,990	\$ 1,144,989
0022420	US Army Headquarters, Fort McCoy	La Crosse River	Monroe	\$6,173,791	\$78,949	\$ 6,612,241	\$ 330,612	\$ 330,612	\$ 5,951,017	\$ 20,946	\$ 20,946	\$ 437,198	\$ 1,140,315
0021695	TWIN LAKES WASTEWATER TREATMENT FAC	Fox River	Kenosha	\$6,122,914	\$193,277	\$ 6,557,751	\$ 327,888	\$ 327,888	\$ 5,901,976	\$ 20,774	\$ 20,774	\$ 433,595	\$ 1,130,917
0022799	CHILTON WASTEWATER TREATMENT FACILITY	Manitowoc River	Calumet	\$5,833,771	\$212,804	\$ 6,248,074	\$ 312,404	\$ 312,404	\$ 5,623,267	\$ 19,793	\$ 19,793	\$ 413,120	\$ 1,077,512
0030970	WHITEHALL WASTEWATER TREATMENT FACILITY	Trempealeau River	Trempealeau	\$5,820,839	\$194,126	\$ 6,234,224	\$ 311,711	\$ 311,711	\$ 5,610,801	\$ 19,749	\$ 19,749	\$ 412,204	\$ 1,075,124

**Appendix G
Projected Capital and Financing Cost by Permittee**

Permit #	Letter/Needed/Facility	Basin	County	Capital Cost in 2014	Estimated Annual O&M Cost	2016-2017 Costs	Cash Funded 2016	Cash Funded 2017	To Bond Fund	Estimated Debt Service Payments			Additional Debt Service Plus Cash
										2016 EIF	2017 EIF	2016 OMB	
0024635	MAUSTON WASTEWATER TREATMENT FACILITY	Baraboo-Lemonweir	Juneau	\$5,542,460	\$173,759	\$ 5,936,074	\$ 296,804	\$ 296,804	\$ 5,342,467	\$ 18,804	\$ 18,804	\$ 392,490	\$ 1,023,706
0021008	COLUMBUS WASTEWATER TREATMENT FACILITY	Rock River (upper)	Dodge	\$5,453,627	\$236,700	\$ 5,840,933	\$ 292,047	\$ 292,047	\$ 5,256,839	\$ 18,503	\$ 18,503	\$ 386,200	\$ 1,007,299
0031194	LAKE MILLS WASTEWATER TREATMENT FACILITY	Rock River (upper)	Jefferson	\$5,253,459	\$206,675	\$ 5,626,549	\$ 281,327	\$ 281,327	\$ 5,063,894	\$ 17,824	\$ 17,824	\$ 372,025	\$ 970,327
0021245	NEW RICHMOND WASTEWATER TREATMENT FACILITY	St Croix River	St. Croix	\$5,253,459	\$170,651	\$ 5,626,549	\$ 281,327	\$ 281,327	\$ 5,063,894	\$ 17,824	\$ 17,824	\$ 372,025	\$ 970,327
0020338	STOUGHTON WASTEWATER TREATMENT FACILITY	Rock River (lower)	Dane	\$5,124,803	\$236,435	\$ 5,488,757	\$ 274,438	\$ 274,438	\$ 4,939,881	\$ 17,387	\$ 17,387	\$ 362,914	\$ 946,564
0026913	DODGEVILLE WASTEWATER TREATMENT FACILITY	Pecatonica River	Iowa	\$5,016,494	\$219,223	\$ 5,372,755	\$ 268,638	\$ 268,638	\$ 4,835,480	\$ 17,020	\$ 17,020	\$ 355,244	\$ 926,559
0020141	KIEL WASTEWATER TREATMENT FACILITY	Sheboygan River	Manitowoc	\$4,900,561	\$203,037	\$ 5,248,589	\$ 262,429	\$ 262,429	\$ 4,723,730	\$ 16,626	\$ 16,626	\$ 347,034	\$ 905,146
0021954	BLACK RIVER FALLS WWTF	Black River	Jackson	\$4,894,395	\$164,968	\$ 5,241,985	\$ 262,099	\$ 262,099	\$ 4,717,786	\$ 16,605	\$ 16,605	\$ 346,598	\$ 904,007
0026891	BALDWIN WASTEWATER TREATMENT FACILITY	Chippewa River (lower)	St. Croix	\$4,847,939	\$96,604	\$ 5,192,230	\$ 259,612	\$ 259,612	\$ 4,673,007	\$ 16,448	\$ 16,448	\$ 343,308	\$ 895,427
0023141	ABBOTSFORD WASTEWATER TREATMENT FACILITY	Wisconsin River (upper)	Marathon	\$4,753,880	\$94,913	\$ 5,091,492	\$ 254,575	\$ 254,575	\$ 4,582,342	\$ 16,129	\$ 16,129	\$ 336,647	\$ 878,054
0020397	EAST TROY WASTEWATER TREATMENT FACILITY	Fox River	Walworth	\$4,738,051	\$108,385	\$ 5,074,538	\$ 253,727	\$ 253,727	\$ 4,567,084	\$ 16,075	\$ 16,075	\$ 335,526	\$ 875,130
0024261	HOLMEN WASTEWATER TREATMENT FACILITY	Black River	La Crosse	\$4,738,051	\$143,944	\$ 5,074,538	\$ 253,727	\$ 253,727	\$ 4,567,084	\$ 16,075	\$ 16,075	\$ 335,526	\$ 875,130
0025062	PADDOCK LAKE WASTEWATER TRTMT FAC	Fox River	Kenosha	\$4,706,257	\$151,141	\$ 5,040,486	\$ 252,024	\$ 252,024	\$ 4,536,437	\$ 15,967	\$ 15,967	\$ 333,274	\$ 869,257
0021733	KEWASKUM VILLAGE	Milwaukee River	Washington	\$4,544,478	\$132,354	\$ 4,867,218	\$ 243,361	\$ 243,361	\$ 4,380,496	\$ 15,418	\$ 15,418	\$ 321,818	\$ 839,377
0024503	LANCASTER WASTEWATER TREATMENT FACILITY	Grant-Platte	Grant	\$4,511,536	\$190,107	\$ 4,831,936	\$ 241,597	\$ 241,597	\$ 4,348,743	\$ 15,307	\$ 15,307	\$ 319,485	\$ 833,292
0021741	DENMARK WASTEWATER TREATMENT FACILITY	Twin-Kewaunee River	Brown	\$4,461,738	\$142,697	\$ 4,778,601	\$ 238,930	\$ 238,930	\$ 4,300,741	\$ 15,138	\$ 15,138	\$ 315,959	\$ 824,094
0020443	BRILLION WASTEWATER TREATMENT FACILITY	Manitowoc River	Calumet	\$4,404,726	\$155,599	\$ 4,717,540	\$ 235,877	\$ 235,877	\$ 4,245,786	\$ 14,944	\$ 14,944	\$ 311,921	\$ 813,564
0049816	DANE IOWA WASTEWATER COMMISSION WWTF	Wisconsin River (lower)	Dane	\$4,353,898	\$117,474	\$ 4,663,103	\$ 233,155	\$ 233,155	\$ 4,196,793	\$ 14,772	\$ 14,772	\$ 308,322	\$ 804,176
0025194	RACINE WASTEWATER UTILITY	Root River	Racine	\$4,289,668	\$617,113	\$ 4,594,312	\$ 229,716	\$ 229,716	\$ 4,134,881	\$ 14,554	\$ 14,554	\$ 303,774	\$ 792,312
0025011	OMRO WASTEWATER TREATMENT FACILITY	Fox River (upper)	Winnebago	\$4,288,787	\$148,072	\$ 4,593,368	\$ 229,668	\$ 229,668	\$ 4,134,031	\$ 14,551	\$ 14,551	\$ 303,711	\$ 792,150
0020532	LOMIRA WASTEWATER TREATMENT FACILITY	Rock River (upper)	Dodge	\$4,264,588	\$91,741	\$ 4,567,450	\$ 228,373	\$ 228,373	\$ 4,110,705	\$ 14,469	\$ 14,469	\$ 301,998	\$ 787,680
0022021	BRISTOL UTILITY DISTRICT 1	Fox River	Kenosha	\$4,229,814	\$121,920	\$ 4,530,207	\$ 226,510	\$ 226,510	\$ 4,077,186	\$ 14,351	\$ 14,351	\$ 299,535	\$ 781,257
0020389	WEST SALEM WASTEWATER TREATMENT FACILITY	La Crosse River	La Crosse	\$4,163,069	\$114,323	\$ 4,458,722	\$ 222,936	\$ 222,936	\$ 4,012,850	\$ 14,124	\$ 14,124	\$ 294,809	\$ 768,929
0024643	MAYVILLE WASTEWATER TREATMENT FACILITY	Rock River (upper)	Dodge	\$4,147,668	\$245,035	\$ 4,442,227	\$ 222,111	\$ 222,111	\$ 3,998,005	\$ 14,072	\$ 14,072	\$ 293,718	\$ 766,085
0023353	BELGIUM WASTEWATER TREATMENT FACILITY	Sheboygan River	Ozaukee	\$4,134,694	\$96,122	\$ 4,428,332	\$ 221,417	\$ 221,417	\$ 3,985,499	\$ 14,028	\$ 14,028	\$ 292,799	\$ 763,688
0023981	FENNIMORE WASTEWATER TREATMENT FACILITY	Grant-Platte	Grant	\$4,098,993	\$167,132	\$ 4,390,095	\$ 219,505	\$ 219,505	\$ 3,951,085	\$ 13,907	\$ 13,907	\$ 290,271	\$ 757,094
0020575	BLOOMER WASTEWATER TREATMENT FACILITY	Chippewa River (lower)	Chippewa	\$4,066,635	\$108,154	\$ 4,355,439	\$ 217,772	\$ 217,772	\$ 3,919,895	\$ 13,797	\$ 13,797	\$ 287,980	\$ 751,118
0020281	MOUNT HOREB WASTEWATER TREATMENT FACILITY	Sugar River	Dane	\$4,059,415	\$164,968	\$ 4,347,706	\$ 217,385	\$ 217,385	\$ 3,912,935	\$ 13,773	\$ 13,773	\$ 287,468	\$ 749,784
0020800	FREDONIA MUNICIPAL SEWER AND WATER UTILITY	Milwaukee River	Ozaukee	\$4,026,788	\$163,190	\$ 4,312,763	\$ 215,638	\$ 215,638	\$ 3,881,487	\$ 13,662	\$ 13,662	\$ 285,158	\$ 743,758
0021903	BRODHEAD WASTEWATER TREATMENT FACILITY	Sugar River	Green	\$4,015,863	\$103,264	\$ 4,301,062	\$ 215,053	\$ 215,053	\$ 3,870,956	\$ 13,625	\$ 13,625	\$ 284,384	\$ 741,740
0021857	STANLEY WASTEWATER TREATMENT FACILITY	Chippewa River (lower)	Chippewa	\$4,015,863	\$145,807	\$ 4,301,062	\$ 215,053	\$ 215,053	\$ 3,870,956	\$ 13,625	\$ 13,625	\$ 284,384	\$ 741,740
0020940	OWEN WASTEWATER TREATMENT FACILITY	Black River	Clark	\$3,980,333	\$117,297	\$ 4,263,008	\$ 213,150	\$ 213,150	\$ 3,836,708	\$ 13,504	\$ 13,504	\$ 281,868	\$ 735,177
0020231	HORICON WASTEWATER TREATMENT FACILITY	Rock River (upper)	Dodge	\$3,960,856	\$155,196	\$ 4,242,148	\$ 212,107	\$ 212,107	\$ 3,817,934	\$ 13,438	\$ 13,438	\$ 280,489	\$ 731,580
0021083	GENOA CITY VILLAGE	Fox River	Walworth	\$3,953,473	\$65,158	\$ 4,234,241	\$ 211,712	\$ 211,712	\$ 3,810,817	\$ 13,413	\$ 13,413	\$ 279,966	\$ 730,216
0026948	CAMBRIDGE OAKLAND WASTEWATER COMMISSION	Rock River (lower)	Jefferson	\$3,920,104	\$117,250	\$ 4,198,502	\$ 209,925	\$ 209,925	\$ 3,778,652	\$ 13,300	\$ 13,300	\$ 277,603	\$ 724,053
0020745	ALGOMA WASTEWATER TREATMENT FACILITY	Door Peninsula	Kewaunee	\$3,898,800	\$131,229	\$ 4,175,685	\$ 208,784	\$ 208,784	\$ 3,758,117	\$ 13,228	\$ 13,228	\$ 276,094	\$ 720,118
0026930	BELOIT TOWN WASTEWATER TREATMENT FACILITY	Rock River (lower)	Rock	\$3,898,800	\$124,107	\$ 4,175,685	\$ 208,784	\$ 208,784	\$ 3,758,117	\$ 13,228	\$ 13,228	\$ 276,094	\$ 720,118
0025631	TURTLE LAKE VILLAGE OF	Chippewa River (lower)	Barron	\$3,826,126	\$117,474	\$ 4,097,850	\$ 204,892	\$ 204,892	\$ 3,688,065	\$ 12,981	\$ 12,981	\$ 270,948	\$ 706,695
0022918	LODI WASTEWATER TREATMENT FACILITY	Wisconsin River (lower)	Columbia	\$3,810,908	\$135,976	\$ 4,081,551	\$ 204,078	\$ 204,078	\$ 3,673,396	\$ 12,929	\$ 12,929	\$ 269,870	\$ 703,884
0021482	LUCK VILLAGE OF	St Croix River	Polk	\$3,757,079	\$125,865	\$ 4,023,899	\$ 201,195	\$ 201,195	\$ 3,621,509	\$ 12,747	\$ 12,747	\$ 266,058	\$ 693,942
0020249	GREENWOOD WASTEWATER TREATMENT FACILITY	Black River	Clark	\$3,741,781	\$130,422	\$ 4,007,515	\$ 200,376	\$ 200,376	\$ 3,606,764	\$ 12,695	\$ 12,695	\$ 264,975	\$ 691,116
0021521	SPENCER WASTEWATER TREATMENT FACILITY	Wisconsin River (upper)	Marathon	\$3,726,273	\$90,016	\$ 3,990,905	\$ 199,545	\$ 199,545	\$ 3,591,815	\$ 12,642	\$ 12,642	\$ 263,877	\$ 688,252
0021784	EDGAR WASTEWATER TREATMENT FACILITY	Wisconsin River (upper)	Marathon	\$3,647,897	\$97,926	\$ 3,906,963	\$ 195,348	\$ 195,348	\$ 3,516,267	\$ 12,376	\$ 12,376	\$ 258,327	\$ 673,776
0021725	GALESVILLE WASTEWATER TREATMENT PLANT	Black River	Trempealeau	\$3,640,332	\$66,221	\$ 3,898,862	\$ 194,943	\$ 194,943	\$ 3,508,975	\$ 12,351	\$ 12,351	\$ 257,791	\$ 672,379
0021938	WINNECONNE WASTEWATER TREATMENT FACILITY	Wolf River	Winnebago	\$3,628,080	\$119,260	\$ 3,885,739	\$ 194,287	\$ 194,287	\$ 3,497,165	\$ 12,309	\$ 12,309	\$ 256,923	\$ 670,115
0028703	KENOSHA WASTEWATER TREATMENT FACILITY	Root River	Kenosha	\$3,619,683	\$707,993	\$ 3,876,746	\$ 193,837	\$ 193,837	\$ 3,489,072	\$ 12,281	\$ 12,281	\$ 256,329	\$ 668,565
0021202	NEILLSVILLE WASTEWATER TREATMENT FACILITY	Black River	Clark	\$3,600,181	\$135,551	\$ 3,855,859	\$ 192,793	\$ 192,793	\$ 3,470,273	\$ 12,215	\$ 12,215	\$ 254,948	\$ 664,963
0020818	CAMPBELLSPORT WASTEWATER TREATMENT FACILITY	Milwaukee River	Fond Du Lac	\$3,527,588	\$88,777	\$ 3,778,110	\$ 188,906	\$ 188,906	\$ 3,400,299	\$ 11,968	\$ 11,968	\$ 249,807	\$ 651,554
0021091	POYNETTE WASTEWATER TREATMENT FACILITY	Wisconsin River (lower)	Columbia	\$3,527,588	\$78,611	\$ 3,778,110	\$ 188,906	\$ 188,906	\$ 3,400,299	\$ 11,968	\$ 11,968	\$ 249,807	\$ 651,554
0020851	SILVER LAKE VILLAGE	Fox River	Kenosha	\$3,511,284	\$135,764	\$ 3,760,649	\$ 188,032	\$ 188,032	\$ 3,384,584	\$ 11,913	\$ 11,913	\$ 248,652	\$ 648,543
0028835	ROBERTS WASTEWATER TREATMENT FACILITY	St Croix River	St. Croix	\$3,507,198	\$41,770	\$ 3,756,273	\$ 187,814	\$ 187,814	\$ 3,380,645	\$ 11,899	\$ 11,899	\$ 248,363	\$ 647,788
0049794	PELL LAKE SANITARY DISTRICT NO. 1	Fox River	Walworth	\$3,486,708	\$134,489	\$ 3,734,327	\$ 186,716	\$ 186,716	\$ 3,360,894	\$ 11,830	\$ 11,830	\$ 246,912	\$ 644,004
0021776	GREEN LAKE WASTEWATER TREATMENT FACILITY	Fox River (upper)	Green Lake	\$3,448,277	\$63,172	\$ 3,693,167	\$ 184,658	\$ 184,658	\$ 3,323,851	\$ 11,699	\$ 11,699	\$ 244,190	\$ 636,905
0020885	GRANTON WASTEWATER TREATMENT FACILITY	Black River	Clark	\$3,447,650	\$106,360	\$ 3,692,495	\$ 184,625	\$ 184,625	\$ 3,323,245	\$ 11,697	\$ 11,697	\$ 244,146	\$ 636,790
0031160	RANDOLPH WASTEWATER TREATMENT FACILITY	Rock River (upper)	Dodge	\$3,445,419	\$93,698	\$ 3,690,106	\$ 184,505	\$ 184,505	\$ 3,321,095	\$ 11,689	\$ 11,689	\$ 243,988	\$ 636,377
0021415	RANDOM LAKE VILLAGE	Milwaukee River	Sheboygan	\$3,445,419	\$91,250	\$ 3,690,106	\$ 184,505	\$ 184,505	\$ 3,321,095	\$ 11,689	\$ 11,689	\$ 243,988	\$ 636,377
0022403	PRESCOTT WASTEWATER TREATMENT FACILITY	Chippewa River (lower)	Pierce	\$3,370,024	\$116,577	\$ 3,609,357	\$ 180,468	\$ 180,468	\$ 3,248,421	\$ 11,434	\$ 11,434	\$ 238,649	\$ 622,452
0024830	MONTICELLO WASTEWATER TREATMENT FACILITY	Sugar River	Green	\$3,323,240	\$110,683	\$ 3,559,250	\$ 177,963	\$ 177,963	\$ 3,203,325	\$ 11,275	\$ 11,275	\$ 235,336	\$ 613,811
0022055	PRINCETON WASTEWATER TREATMENT FACILITY	Fox River (upper)	Green Lake	\$3,320,636	\$72,806	\$ 3,556,461	\$ 177,823	\$ 177,823	\$ 3,200,815	\$ 11,266	\$ 11,266	\$ 235,151	\$ 613,330
0020125	AMERY CITY OF	St Croix River	Polk	\$3,232,342	\$18,431	\$ 3,461,897	\$ 173,095	\$ 173,095	\$ 3,115,707	\$ 10,967	\$ 10,967	\$ 228,899	\$ 597,022
0023655	COLBY CITY WWTF	Wisconsin River (upper)	Marathon	\$3,232,342	\$86,529	\$ 3,461,897	\$ 173,095	\$ 173,095	\$ 3,115,707	\$ 10,967	\$ 10,967	\$ 228,899	\$ 597,022
0020354	CUMBERLAND CITY OF	Chippewa River (lower)	Barron	\$3,232,342	\$121,478	\$ 3,461,897	\$ 173,095	\$ 173,095	\$ 3,115,707	\$ 10,967	\$ 10,967	\$ 228,899	\$ 597,022
0031526	EAGLE LAKE SEWER UTILITY	Fox River	Racine	\$3,232,342	\$121,478	\$ 3,461,897	\$ 173,095	\$ 173,095	\$ 3,115,707	\$ 10,967	\$ 10,967	\$ 228,899	\$ 597,022
0021709	ORFORDVILLE WASTEWATER TREATMENT FACILITY	Sugar River	Rock	\$3,223,573	\$84,259	\$ 3,452,504	\$ 172,625	\$ 172,625	\$ 3,107,254	\$ 10,937	\$ 10,937	\$ 228,278	\$ 595,402
0021423	CASSVILLE WASTEWATER TREATMENT FACILITY	Grant-Platte	Grant	\$3,214,783	\$108,846	\$ 3,443,090	\$ 172,155	\$ 172,155	\$ 3,098,781	\$ 10,907	\$ 10,907	\$ 227,655	\$ 593,778
0020346	EDGERTON WASTEWATER TREATMENT FACILITY	Rock River (lower)	Rock	\$3,208,887	\$145,467	\$ 3,436,776	\$ 171,839	\$ 171,839	\$ 3,093,099	\$ 10,887	\$ 10,887	\$ 227,238	\$ 592,690
0022161	JOHNSON CREEK WASTEWATER TREATMENT FACILITY	Rock River (upper)	Jefferson	\$3,208,887	\$99,563	\$ 3,436,776	\$ 171,839	\$ 171,839	\$ 3,093,099	\$ 10,887	\$ 10,887	\$	

**Appendix G
Projected Capital and Financing Cost by Permittee**

Permit #	Letter/Needed/Facility	Basin	County	Capital Cost in 2014	Estimated Annual O&M Cost	2016-2017 Costs	Cash Funded 2016	Cash Funded 2017	To Bond Fund	Estimated Debt Service Payments			Additional Debt Service Plus Cash
										2016 EIF	2017 EIF	2016 OMB	
0031020	PALMYRA WASTEWATER TREATMENT FACILITY	Rock River (lower)	Jefferson	\$3,174,536	\$75,860	\$ 3,399,985	\$ 169,999	\$ 169,999	\$ 3,059,986	\$ 10,770	\$ 10,770	\$ 224,805	\$ 586,345
0021598	CHETEK CITY OF	Chippewa River (lower)	Barron	\$3,166,070	\$64,878	\$ 3,390,918	\$ 169,546	\$ 169,546	\$ 3,051,826	\$ 10,742	\$ 10,742	\$ 224,206	\$ 584,781
0020591	MONDOVI WASTEWATER TREATMENT FACILITY	Buffalo River	Buffalo	\$3,166,070	\$74,140	\$ 3,390,918	\$ 169,546	\$ 169,546	\$ 3,051,826	\$ 10,742	\$ 10,742	\$ 224,206	\$ 584,781
0020699	NEW LISBON WASTEWATER TREATMENT FACILITY	Baraboo-Lemonweir	Juneau	\$3,148,199	\$117,474	\$ 3,371,778	\$ 168,589	\$ 168,589	\$ 3,034,600	\$ 10,681	\$ 10,681	\$ 222,940	\$ 581,480
0022039	CLINTON WASTEWATER TREATMENT FACILITY	Rock River (lower)	Rock	\$3,134,739	\$53,598	\$ 3,357,362	\$ 167,868	\$ 167,868	\$ 3,021,626	\$ 10,635	\$ 10,635	\$ 221,987	\$ 578,994
0021539	PHILLIPS CITY OF	Chippewa River (upper)	Price	\$3,116,716	\$115,677	\$ 3,338,059	\$ 166,903	\$ 166,903	\$ 3,004,253	\$ 10,574	\$ 10,574	\$ 220,711	\$ 575,665
0024619	MARKESAN WASTEWATER TREATMENT FACILITY	Fox River (upper)	Green Lake	\$3,062,111	\$81,453	\$ 3,279,576	\$ 163,979	\$ 163,979	\$ 2,951,618	\$ 10,389	\$ 10,389	\$ 216,844	\$ 565,579
0021466	CLINTONVILLE WASTEWATER TREATMENT FACILITY	Wolf River	Waupaca	\$3,045,219	\$136,828	\$ 3,261,484	\$ 163,074	\$ 163,074	\$ 2,935,336	\$ 10,332	\$ 10,332	\$ 215,648	\$ 562,460
0021253	ELLSWORTH WASTEWATER TREATMENT FACILITY	Chippewa River (lower)	Pierce	\$3,043,725	\$89,521	\$ 3,259,884	\$ 162,994	\$ 162,994	\$ 2,933,896	\$ 10,327	\$ 10,327	\$ 215,542	\$ 562,184
0020176	KEWAUNEE WASTEWATER TREATMENT FACILITY	Twin-Kewaunee River	Kewaunee	\$3,039,114	\$104,202	\$ 3,254,946	\$ 162,747	\$ 162,747	\$ 2,929,451	\$ 10,311	\$ 10,311	\$ 215,215	\$ 561,332
0021474	JUNEAU WASTEWATER TREATMENT FACILITY	Rock River (upper)	Dodge	\$3,029,500	\$139,203	\$ 3,244,649	\$ 162,232	\$ 162,232	\$ 2,920,184	\$ 10,278	\$ 10,278	\$ 214,535	\$ 559,556
0024791	MINERAL POINT WASTEWATER TREATMENT FACILITY	Pecatonica River	Iowa	\$3,020,610	\$83,751	\$ 3,235,128	\$ 161,756	\$ 161,756	\$ 2,911,615	\$ 10,248	\$ 10,248	\$ 213,905	\$ 557,914
0060453	MILTON WASTEWATER TREATMENT FACILITY	Rock River (lower)	Rock	\$3,016,348	\$123,695	\$ 3,230,563	\$ 161,528	\$ 161,528	\$ 2,907,507	\$ 10,234	\$ 10,234	\$ 213,603	\$ 557,127
0028053	ALLENTON SANITARY DISTRICT WWTP	Rock River (upper)	Washington	\$3,015,970	\$62,344	\$ 3,230,158	\$ 161,508	\$ 161,508	\$ 2,907,142	\$ 10,232	\$ 10,232	\$ 213,576	\$ 557,057
0020273	MARATHON WATER & SEWER DPT WW TREATMNT PLANT	Wisconsin River (upper)	Marathon	\$3,015,970	\$84,259	\$ 3,230,158	\$ 161,508	\$ 161,508	\$ 2,907,142	\$ 10,232	\$ 10,232	\$ 213,576	\$ 557,057
0023361	BELLEVILLE WASTEWATER TREATMENT FACILITY	Sugar River	Dane	\$2,987,996	\$109,306	\$ 3,200,198	\$ 160,010	\$ 160,010	\$ 2,880,178	\$ 10,138	\$ 10,138	\$ 211,596	\$ 551,890
0021016	DARLINGTON WASTEWATER TREATMENT FACILITY	Pecatonica River	Lafayette	\$2,959,800	\$50,564	\$ 3,169,999	\$ 158,500	\$ 158,500	\$ 2,852,999	\$ 10,042	\$ 10,042	\$ 209,599	\$ 546,683
0021920	VIROQUA WASTEWATER TREATMENT FACILITY	Bad Axe River & Coon Creek	Vernon	\$2,949,861	\$102,439	\$ 3,159,354	\$ 157,968	\$ 157,968	\$ 2,843,419	\$ 10,008	\$ 10,008	\$ 208,895	\$ 544,847
0023272	AUGUSTA WASTEWATER TREATMENT FACILITY	Chippewa River (lower)	Eau Claire	\$2,931,375	\$49,641	\$ 3,139,556	\$ 156,978	\$ 156,978	\$ 2,825,600	\$ 9,945	\$ 9,945	\$ 207,586	\$ 541,432
0020788	CROSS PLAINS WASTEWATER TREATMENT FACILITY	Wisconsin River (lower)	Dane	\$2,931,020	\$153,354	\$ 3,139,175	\$ 156,959	\$ 156,959	\$ 2,825,258	\$ 9,944	\$ 9,944	\$ 207,561	\$ 541,367
0020486	IRON RIDGE WASTEWATER TREATMENT FACILITY	Rock River (upper)	Dodge	\$2,919,078	\$63,320	\$ 3,126,385	\$ 156,319	\$ 156,319	\$ 2,813,746	\$ 9,904	\$ 9,904	\$ 206,715	\$ 539,161
0025615	THORP WASTEWATER TREATMENT FACILITY	Chippewa River (lower)	Clark	\$2,917,075	\$62,911	\$ 3,124,240	\$ 156,212	\$ 156,212	\$ 2,811,816	\$ 9,897	\$ 9,897	\$ 206,573	\$ 538,791
0023639	CLEAR LAKE VILLAGE OF	St Croix River	Polk	\$2,897,915	\$76,256	\$ 3,103,720	\$ 155,186	\$ 155,186	\$ 2,793,348	\$ 9,832	\$ 9,832	\$ 205,216	\$ 535,252
0021547	POTOSI-TENNYSON SEWAGE COMMISSION WWTF	Grant-Platte	Grant	\$2,897,915	\$75,993	\$ 3,103,720	\$ 155,186	\$ 155,186	\$ 2,793,348	\$ 9,832	\$ 9,832	\$ 205,216	\$ 535,252
0021270	HILBERT WASTEWATER TREATMENT FACILITY	Manitowoc River	Calumet	\$2,893,109	\$66,824	\$ 3,098,572	\$ 154,929	\$ 154,929	\$ 2,788,715	\$ 9,816	\$ 9,816	\$ 204,876	\$ 534,364
0028924	SIREN VILLAGE OF	St Croix River	Burnett	\$2,883,582	\$53,587	\$ 3,088,368	\$ 154,418	\$ 154,418	\$ 2,779,531	\$ 9,783	\$ 9,783	\$ 204,201	\$ 532,605
0021351	DOUSMAN WASTEWATER TREATMENT FACILITY	Rock River (lower)	Waukesha	\$2,868,393	\$87,743	\$ 3,072,100	\$ 153,605	\$ 153,605	\$ 2,764,890	\$ 9,732	\$ 9,732	\$ 203,126	\$ 529,799
0029131	BARNEVELD WASTEWATER TREATMENT FACILITY	Pecatonica River	Iowa	\$2,865,548	\$43,856	\$ 3,069,053	\$ 153,453	\$ 153,453	\$ 2,762,148	\$ 9,722	\$ 9,722	\$ 202,924	\$ 529,274
0020494	PITTSVILLE WATER AND SEWER DEPT WWTF	Wisconsin River (upper)	Wood	\$2,865,548	\$61,357	\$ 3,069,053	\$ 153,453	\$ 153,453	\$ 2,762,148	\$ 9,722	\$ 9,722	\$ 202,924	\$ 529,274
0020061	NEW GLARUS WASTEWATER TREATMENT FACILITY	Sugar River	Green	\$2,854,410	\$125,870	\$ 3,057,124	\$ 152,856	\$ 152,856	\$ 2,751,412	\$ 9,684	\$ 9,684	\$ 202,136	\$ 527,217
0021679	HOWARDS GROVE WASTEWATER TRTMT FAC	Sheboygan River	Sheboygan	\$2,839,783	\$107,461	\$ 3,041,459	\$ 152,073	\$ 152,073	\$ 2,737,313	\$ 9,635	\$ 9,635	\$ 201,100	\$ 524,515
0020451	PORT EDWARDS WASTEWATER TREATMENT FACILITY	Wisconsin River (upper)	Wood	\$2,779,317	\$96,882	\$ 2,976,699	\$ 148,835	\$ 148,835	\$ 2,679,029	\$ 9,430	\$ 9,430	\$ 196,818	\$ 513,347
0022217	CUBA CITY WASTEWATER TREATMENT FACILITY	Grant-Platte	Grant	\$2,765,671	\$62,344	\$ 2,962,084	\$ 148,104	\$ 148,104	\$ 2,665,875	\$ 9,383	\$ 9,383	\$ 195,852	\$ 510,826
0036846	GREEN LAKE SANITARY DISTRICT	Fox River (upper)	Green Lake	\$2,765,671	\$140,819	\$ 2,962,084	\$ 148,104	\$ 148,104	\$ 2,665,875	\$ 9,383	\$ 9,383	\$ 195,852	\$ 510,826
0024813	MONTELLO WASTEWATER TREATMENT FACILITY	Fox River (upper)	Marquette	\$2,765,671	\$54,496	\$ 2,962,084	\$ 148,104	\$ 148,104	\$ 2,665,875	\$ 9,383	\$ 9,383	\$ 195,852	\$ 510,826
0031968	LITTLE SUAMICO SANITARY DISTRICT NO 1	Pensaukee River	Oconto	\$2,720,261	\$66,859	\$ 2,913,449	\$ 145,672	\$ 145,672	\$ 2,622,104	\$ 9,229	\$ 9,229	\$ 192,636	\$ 502,439
0030716	EDEN WASTEWATER TREATMENT FACILITY	Fox River (upper)	Fond Du Lac	\$2,713,636	\$71,880	\$ 2,906,353	\$ 145,318	\$ 145,318	\$ 2,615,718	\$ 9,207	\$ 9,207	\$ 192,167	\$ 501,215
0028321	SHULLSBURG WASTEWATER TREATMENT FACILITY	Grant-Platte	Lafayette	\$2,710,238	\$47,146	\$ 2,902,714	\$ 145,136	\$ 145,136	\$ 2,612,443	\$ 9,195	\$ 9,195	\$ 191,926	\$ 500,588
0023183	ALMENA VILLAGE OF	Chippewa River (lower)	Barron	\$2,666,456	\$26,643	\$ 2,855,822	\$ 142,791	\$ 142,791	\$ 2,570,240	\$ 9,047	\$ 9,047	\$ 188,826	\$ 492,501
0031500	MILAN S D WASTEWATER TREATMENT FACILITY	Wisconsin River (upper)	Marathon	\$2,638,837	\$58,834	\$ 2,826,242	\$ 141,312	\$ 141,312	\$ 2,543,618	\$ 8,953	\$ 8,953	\$ 186,870	\$ 487,400
0025411	SHEBOYGAN WASTEWATER TREATMENT PLANT	Sheboygan River	Sheboygan	\$2,612,966	\$619,494	\$ 2,798,534	\$ 139,927	\$ 139,927	\$ 2,518,680	\$ 8,865	\$ 8,865	\$ 185,038	\$ 482,621
0036889	WAZEE AREA WASTEWATER COMMISSION	Black River	Jackson	\$2,585,831	\$69,022	\$ 2,769,471	\$ 138,474	\$ 138,474	\$ 2,492,524	\$ 8,773	\$ 8,773	\$ 183,116	\$ 477,609
0021571	DORCHESTER WASTEWATER TREATMENT FACILITY	Black River	Clark	\$2,560,190	\$43,631	\$ 2,742,009	\$ 137,100	\$ 137,100	\$ 2,467,808	\$ 8,686	\$ 8,686	\$ 181,300	\$ 472,873
0060801	SPRING GREEN WASTEWATER TREATMENT FACILITY	Wisconsin River (lower)	Sauk	\$2,559,272	\$88,777	\$ 2,741,026	\$ 137,051	\$ 137,051	\$ 2,466,923	\$ 8,683	\$ 8,683	\$ 181,235	\$ 472,704
0030881	WATERLOO WASTEWATER TREATMENT FACILITY	Rock River (upper)	Jefferson	\$2,545,444	\$126,769	\$ 2,726,216	\$ 136,311	\$ 136,311	\$ 2,453,595	\$ 8,636	\$ 8,636	\$ 180,256	\$ 470,150
0022608	SHARON WASTEWATER TREATMENT FACILITY	Rock River (lower)	Walworth	\$2,543,224	\$75,993	\$ 2,723,839	\$ 136,192	\$ 136,192	\$ 2,451,455	\$ 8,629	\$ 8,629	\$ 180,099	\$ 469,740
0021199	ALBANY WASTEWATER TREATMENT FACILITY	Sugar River	Green	\$2,538,003	\$31,494	\$ 2,718,247	\$ 135,912	\$ 135,912	\$ 2,446,422	\$ 8,611	\$ 8,611	\$ 179,729	\$ 468,775
0030937	GILMAN VILLAGE OF	Chippewa River (lower)	Taylor	\$2,538,003	\$38,862	\$ 2,718,247	\$ 135,912	\$ 135,912	\$ 2,446,422	\$ 8,611	\$ 8,611	\$ 179,729	\$ 468,775
0021288	RUDOLPH WASTEWATER TREATMENT FACILITY	Wisconsin River (upper)	Wood	\$2,538,003	\$34,844	\$ 2,718,247	\$ 135,912	\$ 135,912	\$ 2,446,422	\$ 8,611	\$ 8,611	\$ 179,729	\$ 468,775
0061646	WAUMANDEE SANITARY DISTRICT #1	Trempealeau River	Buffalo	\$2,538,003	\$5,432	\$ 2,718,247	\$ 135,912	\$ 135,912	\$ 2,446,422	\$ 8,611	\$ 8,611	\$ 179,729	\$ 468,775
0021831	VALDERS WASTEWATER TREATMENT FACILITY	Manitowoc River	Manitowoc	\$2,532,478	\$87,531	\$ 2,712,329	\$ 135,616	\$ 135,616	\$ 2,441,096	\$ 8,592	\$ 8,592	\$ 179,338	\$ 467,755
0020133	NECEDAH WASTEWATER TREATMENT FACILITY	Wisconsin River (upper)	Juneau	\$2,505,442	\$35,912	\$ 2,683,373	\$ 134,169	\$ 134,169	\$ 2,415,036	\$ 8,500	\$ 8,500	\$ 177,423	\$ 462,761
0021342	REEDSVILLE WASTEWATER TREATMENT FACILITY	Manitowoc River	Manitowoc	\$2,483,634	\$73,608	\$ 2,660,017	\$ 133,001	\$ 133,001	\$ 2,394,015	\$ 8,426	\$ 8,426	\$ 175,879	\$ 458,733
0020419	BELMONT WASTEWATER TREATMENT FACILITY	Pecatonica River	Lafayette	\$2,467,172	\$50,564	\$ 2,642,386	\$ 132,119	\$ 132,119	\$ 2,378,147	\$ 8,371	\$ 8,371	\$ 174,713	\$ 455,693
0020117	RIO WASTEWATER TREATMENT FACILITY	Wisconsin River (lower)	Columbia	\$2,461,513	\$54,969	\$ 2,636,325	\$ 131,816	\$ 131,816	\$ 2,372,693	\$ 8,351	\$ 8,351	\$ 174,313	\$ 454,648
0031445	CURTISS WASTEWATER TREATMENT FACILITY	Black River	Clark	\$2,437,750	\$42,724	\$ 2,610,874	\$ 130,544	\$ 130,544	\$ 2,349,786	\$ 8,271	\$ 8,271	\$ 172,630	\$ 450,258
0022365	ATHENS WASTEWATER TREATMENT FACILITY	Wisconsin River (upper)	Marathon	\$2,428,394	\$40,677	\$ 2,600,854	\$ 130,043	\$ 130,043	\$ 2,340,768	\$ 8,239	\$ 8,239	\$ 171,967	\$ 448,530
0025569	STRATFORD WASTEWATER TREATMENT FACILITY	Wisconsin River (upper)	Marathon	\$2,422,811	\$61,491	\$ 2,594,875	\$ 129,744	\$ 129,744	\$ 2,335,387	\$ 8,220	\$ 8,220	\$ 171,572	\$ 447,499
0020966	TREMPEALEAU WASTEWATER TREATMENT FACILITY	Trempealeau River	Trempealeau	\$2,422,811	\$43,956	\$ 2,594,875	\$ 129,744	\$ 129,744	\$ 2,335,387	\$ 8,220	\$ 8,220	\$ 171,572	\$ 447,499
0020770	MARION WASTEWATER TREATMENT FACILITY	Wolf River	Waupaca	\$2,364,045	\$78,735	\$ 2,531,935	\$ 126,597	\$ 126,597	\$ 2,278,741	\$ 8,021	\$ 8,021	\$ 167,410	\$ 436,645
0030309	VESPER WASTEWATER TREATMENT FACILITY	Wisconsin River (upper)	Wood	\$2,363,945	\$51,840	\$ 2,531,828	\$ 126,591	\$ 126,591	\$ 2,278,645	\$ 8,020	\$ 8,020	\$ 167,403	\$ 436,627
0031038	IXONIA SANITARY DISTRICT #1 WWTF	Rock River (upper)	Jefferson	\$2,349,222	\$69,295	\$ 2,516,060	\$ 125,803	\$ 125,803	\$ 2,264,454	\$ 7,970	\$ 7,970	\$ 166,361	\$ 433,907
0021148	VIOLA WASTEWATER TREATMENT FACILITY	Wisconsin River (lower)	Vernon	\$2,338,439	\$33,018	\$ 2,504,511	\$ 125,226	\$ 125,226	\$ 2,254,060	\$ 7,934	\$ 7,934	\$ 165,597	\$ 431,916
0028428	ROSENDALE WASTEWATER TREATMENT FACILITY	Fox River (upper)	Fond Du Lac	\$2,314,594	\$45,944	\$ 2,478,972	\$ 123,949	\$ 123,949	\$ 2,231,074	\$ 7,853	\$ 7,853	\$ 163,908	\$ 427,511
0024040	FOUNTAIN CITY WWTF	Trempealeau River	Buffalo	\$2,308,780	\$69,567	\$ 2,472,745	\$ 123,637	\$ 123,637	\$ 2,225,470	\$ 7,833	\$ 7,833	\$ 163,497	\$ 426,437
0024601	MANITOWOC WASTEWATER TREATMENT FACILITY	Manitowoc River	Manitowoc	\$2,303,230	\$345,381	\$ 2,466,800	\$ 123,340	\$ 123,340	\$ 2,220,120	\$ 7,814	\$ 7,814	\$ 163,104	\$ 425,412
0060259	WARRENS WASTEWATER TREATMENT FACILITY	Baraboo-Lemonweir	Monroe	\$2,285,398	\$27,507	\$ 2,447,703	\$ 122,385	\$ 122,385	\$ 2,202,933	\$ 7,754	\$ 7,754	\$ 161,841	\$ 422,119
0031941	LYONS SANITARY DISTRICT NO 2	Fox River											

**Appendix G
Projected Capital and Financing Cost by Permittee**

Permit #	Letter/Needed/Facility	Basin	County	Capital Cost in 2014	Estimated Annual O&M Cost	2016-2017 Costs	Cash Funded 2016	Cash Funded 2017	To Bond Fund	Estimated Debt Service Payments			Additional Debt Service Plus Cash
										2016 EIF	2017 EIF	2016 OMB	
0022322	THERESA WASTEWATER TREATMENT FACILITY	Rock River (upper)	Dodge	\$2,232,036	\$54,496	\$ 2,390,551	\$ 119,528	\$ 119,528	\$ 2,151,496	\$ 7,573	\$ 7,573	\$ 158,062	\$ 412,263
0031755	JAMESTOWN SANITARY DISTRICT NO 3 WWTF	Grant-Platte	Grant	\$2,231,265	\$45,348	\$ 2,389,725	\$ 119,486	\$ 119,486	\$ 2,150,753	\$ 7,570	\$ 7,570	\$ 158,007	\$ 412,120
0030431	SUPERIOR VILLAGE OF	Lake Superior	Douglas	\$2,221,926	\$122,617	\$ 2,379,723	\$ 118,986	\$ 118,986	\$ 2,141,751	\$ 7,538	\$ 7,538	\$ 157,346	\$ 410,395
0029017	RIB LAKE VILLAGE OF	Wisconsin River (upper)	Taylor	\$2,220,031	\$51,481	\$ 2,377,693	\$ 118,885	\$ 118,885	\$ 2,139,924	\$ 7,532	\$ 7,532	\$ 157,212	\$ 410,045
0022195	ST NAZIANZ WASTEWATER TREATMENT FACILITY	Manitowoc River	Manitowoc	\$2,220,031	\$32,359	\$ 2,377,693	\$ 118,885	\$ 118,885	\$ 2,139,924	\$ 7,532	\$ 7,532	\$ 157,212	\$ 410,045
0023078	WI AIR NATIONAL GUARD	Baraboo-Lemonweir	Juneau	\$2,220,031	\$34,046	\$ 2,377,693	\$ 118,885	\$ 118,885	\$ 2,139,924	\$ 7,532	\$ 7,532	\$ 157,212	\$ 410,045
0020613	NEKOOSA WASTEWATER TREATMENT FACILITY	Wisconsin River (upper)	Wood	\$2,197,820	\$95,080	\$ 2,353,905	\$ 117,695	\$ 117,695	\$ 2,118,514	\$ 7,457	\$ 7,457	\$ 155,639	\$ 405,943
0028169	KRAKOW SANITARY DISTRICT WWTF	Pensaukee River	Shawano	\$2,164,413	\$34,844	\$ 2,318,125	\$ 115,906	\$ 115,906	\$ 2,086,313	\$ 7,343	\$ 7,343	\$ 153,273	\$ 399,772
0029106	MINDORO SAN DIST 1 WWTF	Black River	La Crosse	\$2,154,568	\$47,003	\$ 2,307,581	\$ 115,379	\$ 115,379	\$ 2,076,623	\$ 7,310	\$ 7,310	\$ 152,576	\$ 397,954
0035513	POYGAN POYSIPPI SD 1 WWTF	Wolf River	Winnebago	\$2,134,641	\$34,515	\$ 2,286,239	\$ 114,312	\$ 114,312	\$ 2,057,615	\$ 7,242	\$ 7,242	\$ 151,165	\$ 394,274
0020583	HILLSBORO WASTEWATER TREATMENT FACILITY	Baraboo-Lemonweir	Vernon	\$2,128,178	\$11,663	\$ 2,279,317	\$ 113,966	\$ 113,966	\$ 2,051,385	\$ 7,220	\$ 7,220	\$ 150,707	\$ 393,080
0024732	MERRILLAN WASTEWATER TREATMENT FACILITY	Black River	Jackson	\$2,124,556	\$37,675	\$ 2,275,438	\$ 113,772	\$ 113,772	\$ 2,047,894	\$ 7,208	\$ 7,208	\$ 150,451	\$ 392,411
0022225	ARGYLE WASTEWATER TREATMENT FACILITY	Pecatonica River	Lafayette	\$2,115,677	\$24,357	\$ 2,265,928	\$ 113,296	\$ 113,296	\$ 2,039,335	\$ 7,178	\$ 7,178	\$ 149,822	\$ 390,771
0061255	BAY CITY VILLAGE	Chippewa River (lower)	Pierce	\$2,083,366	\$20,059	\$ 2,231,323	\$ 111,566	\$ 111,566	\$ 2,008,190	\$ 7,068	\$ 7,068	\$ 147,534	\$ 384,803
0023515	CADOTT WASTEWATER TREATMENT FACILITY	Chippewa River (lower)	Chippewa	\$2,077,793	\$65,993	\$ 2,225,354	\$ 111,268	\$ 111,268	\$ 2,002,819	\$ 7,049	\$ 7,049	\$ 147,139	\$ 383,774
0028304	STODDARD WASTEWATER TREATMENT FACILITY	Bad Axe River & Coon Creek	Vernon	\$2,072,846	\$29,766	\$ 2,220,056	\$ 111,003	\$ 111,003	\$ 1,998,050	\$ 7,033	\$ 7,033	\$ 146,789	\$ 382,860
0023817	DICKEYVILLE WASTEWATER TREATMENT FACILITY	Grant-Platte	Grant	\$2,058,631	\$36,260	\$ 2,204,831	\$ 110,242	\$ 110,242	\$ 1,984,348	\$ 6,984	\$ 6,984	\$ 145,782	\$ 380,234
0028011	NORTH FREEDOM WASTEWATER TREATMENT FACILITY	Baraboo-Lemonweir	Sauk	\$2,051,526	\$28,888	\$ 2,197,222	\$ 109,861	\$ 109,861	\$ 1,977,499	\$ 6,960	\$ 6,960	\$ 145,279	\$ 378,922
0024465	LA FARGE WASTEWATER TREATMENT PLANT	Wisconsin River (lower)	Vernon	\$2,045,772	\$37,982	\$ 2,191,059	\$ 109,553	\$ 109,553	\$ 1,971,953	\$ 6,941	\$ 6,941	\$ 144,872	\$ 377,859
0023931	ELROY WASTEWATER TREATMENT FACILITY	Baraboo-Lemonweir	Juneau	\$2,032,844	\$73,341	\$ 2,177,213	\$ 108,861	\$ 108,861	\$ 1,959,492	\$ 6,897	\$ 6,897	\$ 143,956	\$ 375,471
0022497	WRIGHTSTOWN SEWER & WATER UTILITY	Fox River (lower)	Brown	\$2,027,752	\$93,265	\$ 2,171,758	\$ 108,588	\$ 108,588	\$ 1,954,583	\$ 6,880	\$ 6,880	\$ 143,596	\$ 374,531
0024210	HAZEL GREEN WASTEWATER TREATMENT FACILITY	Grant-Platte	Grant	\$2,019,847	\$35,213	\$ 2,163,292	\$ 108,165	\$ 108,165	\$ 1,946,963	\$ 6,853	\$ 6,853	\$ 143,036	\$ 373,071
0024287	INDEPENDENCE WASTEWATER TREATMENT PLANT	Trempealeau River	Trempealeau	\$2,000,217	\$42,000	\$ 2,142,269	\$ 107,113	\$ 107,113	\$ 1,928,042	\$ 6,786	\$ 6,786	\$ 141,646	\$ 369,445
0024201	HAWKINS VILLAGE OF	Chippewa River (upper)	Rusk	\$1,963,532	\$44,309	\$ 2,102,978	\$ 105,149	\$ 105,149	\$ 1,892,680	\$ 6,662	\$ 6,662	\$ 139,048	\$ 362,669
0021881	TAYLOR WASTEWATER TREATMENT FACILITY	Trempealeau River	Jackson	\$1,950,483	\$30,202	\$ 2,089,002	\$ 104,450	\$ 104,450	\$ 1,880,102	\$ 6,618	\$ 6,618	\$ 138,124	\$ 360,259
0022373	SPRING VALLEY WASTEWATER TREATMENT FACILITY	Chippewa River (lower)	Pierce	\$1,947,056	\$42,983	\$ 2,085,332	\$ 104,267	\$ 104,267	\$ 1,876,799	\$ 6,606	\$ 6,606	\$ 137,881	\$ 359,626
0031224	BANGOR WASTEWATER TREATMENT FACILITY	La Crosse River	La Crosse	\$1,940,324	\$48,555	\$ 2,078,122	\$ 103,906	\$ 103,906	\$ 1,870,310	\$ 6,583	\$ 6,583	\$ 137,404	\$ 358,383
0030830	DALE SANITARY DISTRICT NO 1 WWTF	Wolf River	Outagamie	\$1,938,687	\$19,906	\$ 2,076,368	\$ 103,818	\$ 103,818	\$ 1,868,731	\$ 6,577	\$ 6,577	\$ 137,288	\$ 358,080
0022080	COLEMAN WASTEWATER TREATMENT FACILITY	Peshigo River	Marquette	\$1,926,667	\$53,480	\$ 2,063,495	\$ 103,175	\$ 103,175	\$ 1,857,145	\$ 6,537	\$ 6,537	\$ 136,437	\$ 355,860
0028878	LA VALLE WASTEWATER TREATMENT FACILITY	Baraboo-Lemonweir	Sauk	\$1,902,533	\$20,918	\$ 2,037,647	\$ 101,882	\$ 101,882	\$ 1,833,882	\$ 6,455	\$ 6,455	\$ 134,728	\$ 351,403
0022462	WILTON WASTEWATER TREATMENT FACILITY	Wisconsin River (lower)	Monroe	\$1,902,533	\$31,835	\$ 2,037,647	\$ 101,882	\$ 101,882	\$ 1,833,882	\$ 6,455	\$ 6,455	\$ 134,728	\$ 351,403
0029831	YORKVILLE SEWER UTILITY DISTRICT NO 1	Root River	Racine	\$1,899,513	\$34,153	\$ 2,034,413	\$ 101,721	\$ 101,721	\$ 1,830,971	\$ 6,445	\$ 6,445	\$ 134,514	\$ 350,845
0036641	HATFIELD SANITARY DISTRICT	Black River	Jackson	\$1,890,215	\$15,063	\$ 2,024,454	\$ 101,223	\$ 101,223	\$ 1,822,008	\$ 6,413	\$ 6,413	\$ 133,856	\$ 349,127
0024678	MELROSE WASTEWATER TREATMENT FACILITY	Black River	Jackson	\$1,865,154	\$18,348	\$ 1,997,613	\$ 99,881	\$ 99,881	\$ 1,797,852	\$ 6,328	\$ 6,328	\$ 132,081	\$ 344,499
0029688	WONEWOC WASTEWATER TREATMENT FACILITY	Baraboo-Lemonweir	Juneau	\$1,843,916	\$46,198	\$ 1,974,867	\$ 98,743	\$ 98,743	\$ 1,777,380	\$ 6,256	\$ 6,256	\$ 130,577	\$ 340,576
0022381	MILLADORE WASTEWATER TREATMENT FACILITY	Wisconsin River (upper)	Wood	\$1,829,794	\$22,725	\$ 1,959,742	\$ 97,987	\$ 97,987	\$ 1,763,768	\$ 6,208	\$ 6,208	\$ 129,577	\$ 337,968
0025356	DEER PARK WASTEWATER TREATMENT FACILITY	St Croix River	St. Croix	\$1,826,436	\$10,824	\$ 1,956,145	\$ 97,807	\$ 97,807	\$ 1,760,531	\$ 6,197	\$ 6,197	\$ 129,339	\$ 337,347
0024961	NORWALK WASTEWATER TREATMENT FACILITY	Wisconsin River (lower)	Monroe	\$1,815,580	\$17,981	\$ 1,944,518	\$ 97,226	\$ 97,226	\$ 1,750,067	\$ 6,160	\$ 6,160	\$ 128,571	\$ 335,342
0030961	CHILI WASTEWATER TREATMENT FACILITY	Wisconsin River (upper)	Clark	\$1,813,210	\$63,320	\$ 1,941,980	\$ 97,099	\$ 97,099	\$ 1,747,782	\$ 6,152	\$ 6,152	\$ 128,403	\$ 334,904
0025453	SHELDON VILLAGE OF	Chippewa River (upper)	Rusk	\$1,813,210	\$17,281	\$ 1,941,980	\$ 97,099	\$ 97,099	\$ 1,747,782	\$ 6,152	\$ 6,152	\$ 128,403	\$ 334,904
0035963	MOUNT CALVARY WASTEWATER TREATMENT FACILITY	Sheboygan River	Fond Du Lac	\$1,794,080	\$47,146	\$ 1,921,492	\$ 96,075	\$ 96,075	\$ 1,729,343	\$ 6,087	\$ 6,087	\$ 127,048	\$ 331,371
0031925	LARSEN WINCHESTER SD WWTF	Wolf River	Winnebago	\$1,786,247	\$169,354	\$ 1,913,103	\$ 95,655	\$ 95,655	\$ 1,721,793	\$ 6,060	\$ 6,060	\$ 126,493	\$ 329,924
0031364	LEBANON SANITARY DISTRICT #1 WWTF	Rock River (upper)	Dodge	\$1,772,499	\$29,020	\$ 1,898,378	\$ 94,919	\$ 94,919	\$ 1,708,541	\$ 6,014	\$ 6,014	\$ 125,520	\$ 327,385
0021105	BLANCHARDVILLE WASTEWATER TREATMENT FACILITY	Pecatonica River	Lafayette	\$1,772,360	\$36,952	\$ 1,898,229	\$ 94,911	\$ 94,911	\$ 1,708,406	\$ 6,013	\$ 6,013	\$ 125,510	\$ 327,359
0029114	LOGANVILLE WASTEWATER TREATMENT FACILITY	Baraboo-Lemonweir	Sauk	\$1,744,436	\$28,888	\$ 1,868,323	\$ 93,416	\$ 93,416	\$ 1,681,490	\$ 5,918	\$ 5,918	\$ 123,533	\$ 322,202
0060526	UNITY WASTEWATER TREATMENT FACILITY	Wisconsin River (upper)	Clark	\$1,744,436	\$28,932	\$ 1,868,323	\$ 93,416	\$ 93,416	\$ 1,681,490	\$ 5,918	\$ 5,918	\$ 123,533	\$ 322,202
0036706	CLAYTON VILLAGE OF	St Croix River	Polk	\$1,743,478	\$40,784	\$ 1,867,296	\$ 93,365	\$ 93,365	\$ 1,680,566	\$ 5,915	\$ 5,915	\$ 123,465	\$ 322,025
0026867	ST CLOUD VILLAGE UTILITY COMMISSION	Sheboygan River	Fond Du Lac	\$1,730,108	\$72,806	\$ 1,852,977	\$ 92,649	\$ 92,649	\$ 1,667,679	\$ 5,870	\$ 5,870	\$ 122,518	\$ 319,555
0023523	CAMBRIA WASTEWATER TREATMENT FACILITY	Wisconsin River (lower)	Columbia	\$1,728,231	\$187,106	\$ 1,850,966	\$ 92,548	\$ 92,548	\$ 1,665,869	\$ 5,863	\$ 5,863	\$ 122,385	\$ 319,209
0022411	AUBURNDALE WASTEWATER TREATMENT FACILITY	Wisconsin River (upper)	Wood	\$1,705,805	\$37,297	\$ 1,826,948	\$ 91,347	\$ 91,347	\$ 1,644,253	\$ 5,787	\$ 5,787	\$ 120,797	\$ 315,066
0020672	BENTON WASTEWATER TREATMENT FACILITY	Grant-Platte	Lafayette	\$1,690,715	\$31,996	\$ 1,810,787	\$ 90,539	\$ 90,539	\$ 1,629,708	\$ 5,736	\$ 5,736	\$ 119,728	\$ 312,279
0024911	NEWBURG VILLAGE	Milwaukee River	Washington	\$1,683,128	\$50,564	\$ 1,802,660	\$ 90,133	\$ 90,133	\$ 1,622,394	\$ 5,710	\$ 5,710	\$ 119,191	\$ 310,878
0032051	BROWNTOWN WASTEWATER TREATMENT FACILITY	Pecatonica River	Green	\$1,678,271	\$9,495	\$ 1,797,458	\$ 89,873	\$ 89,873	\$ 1,617,713	\$ 5,694	\$ 5,694	\$ 118,847	\$ 309,981
0031615	DRUMMOND SANITARY DISTRICT I	Lake Superior	Bayfield	\$1,670,637	\$35,662	\$ 1,789,282	\$ 89,464	\$ 89,464	\$ 1,610,354	\$ 5,668	\$ 5,668	\$ 118,306	\$ 308,571
0020761	WEYERHAEUSER VILLAGE OF	Chippewa River (upper)	Rusk	\$1,670,637	\$67,811	\$ 1,789,282	\$ 89,464	\$ 89,464	\$ 1,610,354	\$ 5,668	\$ 5,668	\$ 118,306	\$ 308,571
0028894	FORESTVILLE WASTEWATER TREATMENT FACILITY	Door Peninsula	Door	\$1,662,399	\$42,911	\$ 1,780,459	\$ 89,023	\$ 89,023	\$ 1,602,413	\$ 5,640	\$ 5,640	\$ 117,723	\$ 307,049
0021512	ARLINGTON WASTEWATER TREATMENT FACILITY	Rock River (lower)	Columbia	\$1,660,189	\$33,081	\$ 1,778,092	\$ 88,905	\$ 88,905	\$ 1,600,283	\$ 5,633	\$ 5,633	\$ 117,567	\$ 306,641
0020915	CASHION WASTEWATER TREATMENT FACILITY	La Crosse River	Monroe	\$1,660,189	\$49,641	\$ 1,778,092	\$ 88,905	\$ 88,905	\$ 1,600,283	\$ 5,633	\$ 5,633	\$ 117,567	\$ 306,641
0023485	BROOKLYN WASTEWATER TREATMENT FACILITY	Sugar River	Green	\$1,652,483	\$49,331	\$ 1,769,839	\$ 88,492	\$ 88,492	\$ 1,592,855	\$ 5,606	\$ 5,606	\$ 117,021	\$ 305,218
0022047	WHELAW WASTEWATER TREATMENT FACILITY	Manitowoc River	Manitowoc	\$1,644,747	\$42,329	\$ 1,761,553	\$ 88,078	\$ 88,078	\$ 1,585,398	\$ 5,580	\$ 5,580	\$ 116,473	\$ 303,789
0024023	FOOTVILLE WASTEWATER TREATMENT FACILITY	Rock River (lower)	Rock	\$1,636,980	\$38,323	\$ 1,753,235	\$ 87,662	\$ 87,662	\$ 1,577,911	\$ 5,554	\$ 5,554	\$ 115,923	\$ 302,354
0031275	HEWITT SANITARY DISTRICT WWTP	Wisconsin River (upper)	Wood	\$1,636,980	\$32,359	\$ 1,753,235	\$ 87,662	\$ 87,662	\$ 1,577,911	\$ 5,554	\$ 5,554	\$ 115,923	\$ 302,354
0022241	SOLDIERS GROVE WASTEWATER TREATMENT FACILITY	Wisconsin River (lower)	Crawford	\$1,636,980	\$15,189	\$ 1,753,235	\$ 87,662	\$ 87,662	\$ 1,577,911	\$ 5,554	\$ 5,554	\$ 115,923	\$ 302,354
0031381	ASHIPPUN SANITARY DISTRICT WWTF	Rock River (upper)	Dodge	\$1,627,994	\$49,256	\$ 1,743,611	\$ 87,181	\$ 87,181	\$ 1,569,250	\$ 5,523	\$ 5,523	\$ 115,287	\$ 300,695
0049760	POPLAR VILLAGE OF	Lake Superior	Douglas	\$1,623,514	\$26,186	\$ 1,738,813	\$ 86,941	\$ 86,941	\$ 1,564,932	\$ 5,508	\$ 5,508	\$ 114,969	\$ 299,867
0028070	JUNCTION CITY WASTEWATER TREATMENT FACILITY	Wisconsin River (upper)	Portage	\$1,597,666	\$35,213	\$ 1,711,129	\$ 85,556	\$ 85,556	\$ 1,540,016	\$ 5,420	\$ 5,420	\$ 113,139	\$ 295,093
0028461	OGEMA SANITARY DISTRICT	Chippewa River (upper)	Price	\$1,590,740	\$23,370	\$ 1,703,711	\$ 85,186	\$ 85,186	\$ 1,533,340	\$ 5,397	\$ 5,397	\$ 112,649	\$ 293,814
0061387	LAKELAND SANITARY DISTRICT # 1	Chippewa River (lower)	Barron	\$1,573,906	\$14,256	\$ 1,685,682	\$ 84,284	\$ 84,284	\$ 1,517,114	\$ 5,340	\$ 5,340	\$ 111,456	\$ 290,704

**Appendix G
Projected Capital and Financing Cost by Permittee**

Permit #	Letter/Needed/Facility	Basin	County	Capital Cost in 2014	Estimated Annual O&M Cost	2016-2017 Costs	Cash Funded 2016	Cash Funded 2017	To Bond Fund	Estimated Debt Service Payments			Additional Debt Service Plus Cash
										2016 EIF	2017 EIF	2016 OMB	
0024821	MONTFORT WASTEWATER TREATMENT FACILITY	Wisconsin River (lower)	Grant	\$1,565,617	\$24,357	\$ 1,676,804	\$ 83,840	\$ 83,840	\$ 1,509,123	\$ 5,312	\$ 5,312	\$ 110,869	\$ 289,173
0036048	PLAIN WASTEWATER TREATMENT FACILITY	Wisconsin River (lower)	Sauk	\$1,565,617	\$45,880	\$ 1,676,804	\$ 83,840	\$ 83,840	\$ 1,509,123	\$ 5,312	\$ 5,312	\$ 110,869	\$ 289,173
0060232	ARKANSAW WASTEWATER TREATMENT FACILITY	Chippewa River (lower)	Pepin	\$1,556,757	\$10,824	\$ 1,667,314	\$ 83,366	\$ 83,366	\$ 1,500,583	\$ 5,282	\$ 5,282	\$ 110,242	\$ 287,537
0023566	CASCO WASTEWATER TREATMENT FACILITY	Twin-Kewaunee River	Kewaunee	\$1,533,003	\$30,528	\$ 1,641,874	\$ 82,094	\$ 82,094	\$ 1,477,686	\$ 5,201	\$ 5,201	\$ 108,560	\$ 283,149
0026689	FONKS HOME CENTER INC - HICKORY HAVEN	Root River	Racine	\$1,524,758	\$26,733	\$ 1,633,043	\$ 81,652	\$ 81,652	\$ 1,469,739	\$ 5,173	\$ 5,173	\$ 107,976	\$ 281,627
0022187	LIVINGSTON WASTEWATER TREATMENT FACILITY	Grant-Platte	Grant	\$1,524,758	\$22,310	\$ 1,633,043	\$ 81,652	\$ 81,652	\$ 1,469,739	\$ 5,173	\$ 5,173	\$ 107,976	\$ 281,627
0036811	ONION RIVER WASTEWATER COMMISSION	Sheboygan River	Sheboygan	\$1,524,758	\$47,460	\$ 1,633,043	\$ 81,652	\$ 81,652	\$ 1,469,739	\$ 5,173	\$ 5,173	\$ 107,976	\$ 281,627
0030520	Sinsinawa Dominicans Inc.	Grant-Platte	Grant	\$1,524,758	\$21,047	\$ 1,633,043	\$ 81,652	\$ 81,652	\$ 1,469,739	\$ 5,173	\$ 5,173	\$ 107,976	\$ 281,627
0031844	SULLIVAN TWN SANITARY DISTRICT #1 WWTF	Rock River (lower)	Jefferson	\$1,524,758	\$44,279	\$ 1,633,043	\$ 81,652	\$ 81,652	\$ 1,469,739	\$ 5,173	\$ 5,173	\$ 107,976	\$ 281,627
0022811	PEPIN WASTEWATER TREATMENT FACILITY	Chippewa River (lower)	Pepin	\$1,516,474	\$33,081	\$ 1,624,171	\$ 81,209	\$ 81,209	\$ 1,461,754	\$ 5,145	\$ 5,145	\$ 107,389	\$ 280,097
0031330	HOLLANDALE WASTEWATER TREATMENT FACILITY	Pecatonica River	Iowa	\$1,503,244	\$21,912	\$ 1,610,002	\$ 80,500	\$ 80,500	\$ 1,449,002	\$ 5,100	\$ 5,100	\$ 106,453	\$ 277,653
0026352	ROCKDALE WASTEWATER TREATMENT FACILITY	Rock River (lower)	Dane	\$1,503,244	\$10,367	\$ 1,610,002	\$ 80,500	\$ 80,500	\$ 1,449,002	\$ 5,100	\$ 5,100	\$ 106,453	\$ 277,653
0022101	ALMA WASTEWATER TREATMENT FACILITY	Buffalo River	Buffalo	\$1,499,792	\$37,297	\$ 1,606,305	\$ 80,315	\$ 80,315	\$ 1,445,674	\$ 5,088	\$ 5,088	\$ 106,208	\$ 277,015
0035548	LEROY KEKOSKEE WWTF COMMISSION	Rock River (upper)	Dodge	\$1,488,473	\$20,485	\$ 1,594,181	\$ 79,709	\$ 79,709	\$ 1,434,763	\$ 5,050	\$ 5,050	\$ 105,406	\$ 274,925
0036790	HIGHLAND WASTEWATER TREATMENT FACILITY	Wisconsin River (lower)	Iowa	\$1,482,952	\$41,010	\$ 1,588,268	\$ 79,413	\$ 79,413	\$ 1,429,441	\$ 5,031	\$ 5,031	\$ 105,016	\$ 273,905
0021661	READSTOWN WASTEWATER TREATMENT FACILITY	Wisconsin River (lower)	Vernon	\$1,474,471	\$33,440	\$ 1,579,185	\$ 78,959	\$ 78,959	\$ 1,421,266	\$ 5,003	\$ 5,003	\$ 104,415	\$ 272,338
0028967	ROCKLAND WATER SEWER UTILITIES WWTF	La Crosse River	La Crosse	\$1,465,660	\$10,367	\$ 1,569,748	\$ 78,487	\$ 78,487	\$ 1,412,773	\$ 4,973	\$ 4,973	\$ 103,791	\$ 270,711
0021059	CONSOLIDATED KOSHKONONG SANITARY DIST WWTF	Rock River (lower)	Rock	\$1,462,741	\$78,171	\$ 1,566,622	\$ 78,331	\$ 78,331	\$ 1,409,960	\$ 4,963	\$ 4,963	\$ 103,584	\$ 270,172
0023400	BLOOMINGTON WASTEWATER TREATMENT FACILITY	Grant-Platte	Grant	\$1,457,383	\$34,153	\$ 1,560,884	\$ 78,044	\$ 78,044	\$ 1,404,796	\$ 4,945	\$ 4,945	\$ 103,205	\$ 269,182
0029289	KIELER SANITARY DISTRICT NO 1 WWTF	Grant-Platte	Grant	\$1,448,776	\$35,213	\$ 1,551,665	\$ 77,583	\$ 77,583	\$ 1,396,499	\$ 4,915	\$ 4,915	\$ 102,595	\$ 267,593
0031780	FRIESLAND WASTEWATER TREATMENT FACILITY	Fox River (upper)	Columbia	\$1,440,309	\$37,675	\$ 1,542,597	\$ 77,130	\$ 77,130	\$ 1,388,337	\$ 4,887	\$ 4,887	\$ 101,996	\$ 266,029
0023922	ELMWOOD VILLAGE WWTP	Chippewa River (lower)	Pierce	\$1,440,125	\$21,047	\$ 1,542,400	\$ 77,120	\$ 77,120	\$ 1,388,160	\$ 4,886	\$ 4,886	\$ 101,983	\$ 265,995
0028363	SPRING GREEN GOLF CLUB SANITARY DIST #2 WWTF	Wisconsin River (lower)	Iowa	\$1,431,430	\$65,158	\$ 1,533,088	\$ 76,654	\$ 76,654	\$ 1,379,779	\$ 4,856	\$ 4,856	\$ 101,367	\$ 264,389
0049689	HUB ROCK SANITARY DISTRICT #1 WWTF	Wisconsin River (lower)	Richland	\$1,426,334	\$19,906	\$ 1,527,630	\$ 76,381	\$ 76,381	\$ 1,374,867	\$ 4,839	\$ 4,839	\$ 101,006	\$ 263,448
0060216	STETSONVILLE, VILLAGE OF	Wisconsin River (upper)	Taylor	\$1,422,691	\$32,721	\$ 1,523,727	\$ 76,186	\$ 76,186	\$ 1,371,354	\$ 4,827	\$ 4,827	\$ 100,748	\$ 262,775
0022268	GAYS MILLS WASTEWATER TREATMENT FACILITY	Wisconsin River (lower)	Crawford	\$1,413,905	\$29,032	\$ 1,514,318	\$ 75,716	\$ 75,716	\$ 1,362,886	\$ 4,797	\$ 4,797	\$ 100,126	\$ 261,152
0025593	SUPERIOR SEWAGE DISPOSAL SYSTEM	Lake Superior	Douglas	\$1,407,803	\$327,481	\$ 1,507,782	\$ 75,389	\$ 75,389	\$ 1,357,004	\$ 4,776	\$ 4,776	\$ 99,694	\$ 260,025
0020753	ONTARIO WASTEWATER TREATMENT FACILITY	Wisconsin River (lower)	Vernon	\$1,405,073	\$21,047	\$ 1,504,859	\$ 75,243	\$ 75,243	\$ 1,354,373	\$ 4,767	\$ 4,767	\$ 99,501	\$ 259,521
0049859	ABRAMS SANITARY DISTRICT 1	Pensaukee River	Oconto	\$1,351,063	\$24,759	\$ 1,447,013	\$ 72,351	\$ 72,351	\$ 1,302,312	\$ 4,584	\$ 4,584	\$ 95,676	\$ 249,545
0022276	WAUZKA WASTEWATER TREATMENT FACILITY	Wisconsin River (lower)	Crawford	\$1,351,063	\$22,559	\$ 1,447,013	\$ 72,351	\$ 72,351	\$ 1,302,312	\$ 4,584	\$ 4,584	\$ 95,676	\$ 249,545
0032085	HUSTLER WASTEWATER TREATMENT FACILITY	Baraboo-Lemonweir	Juneau	\$1,318,805	\$8,087	\$ 1,412,464	\$ 70,623	\$ 70,623	\$ 1,271,217	\$ 4,474	\$ 4,474	\$ 93,391	\$ 243,587
0029076	ROZELLVILLE SANITARY DISTRICT NO 1	Wisconsin River (upper)	Marathon	\$1,318,805	\$10,168	\$ 1,412,464	\$ 70,623	\$ 70,623	\$ 1,271,217	\$ 4,474	\$ 4,474	\$ 93,391	\$ 243,587
0029041	ROCK SPRINGS WASTEWATER TREATMENT FACILITY	Baraboo-Lemonweir	Sauk	\$1,314,019	\$20,189	\$ 1,407,339	\$ 70,367	\$ 70,367	\$ 1,266,605	\$ 4,458	\$ 4,458	\$ 93,053	\$ 242,703
0031658	BLUE MOUNDS WASTEWATER TREATMENT FACILITY	Pecatonica River	Dane	\$1,304,620	\$24,759	\$ 1,397,272	\$ 69,864	\$ 69,864	\$ 1,257,544	\$ 4,426	\$ 4,426	\$ 92,387	\$ 240,967
0031348	RIDGEWAY WASTEWATER TREATMENT FACILITY	Pecatonica River	Iowa	\$1,304,620	\$23,137	\$ 1,397,272	\$ 69,864	\$ 69,864	\$ 1,257,544	\$ 4,426	\$ 4,426	\$ 92,387	\$ 240,967
0036421	KINGSTON WASTEWATER TREATMENT FACILITY	Fox River (upper)	Green Lake	\$1,295,401	\$14,891	\$ 1,387,397	\$ 69,370	\$ 69,370	\$ 1,248,658	\$ 4,395	\$ 4,395	\$ 91,734	\$ 239,264
0031917	LUBLIN VILLAGE OF	Chippewa River (lower)	Taylor	\$1,295,401	\$36,068	\$ 1,387,397	\$ 69,370	\$ 69,370	\$ 1,248,658	\$ 4,395	\$ 4,395	\$ 91,734	\$ 239,264
0021393	STOCKBRIDGE WASTEWATER TREATMENT FACILITY	Fox River (upper)	Calumet	\$1,276,072	\$32,359	\$ 1,366,696	\$ 68,335	\$ 68,335	\$ 1,230,026	\$ 4,329	\$ 4,329	\$ 90,365	\$ 235,694
0061191	DODGE SANITARY DISTRICT NO 1	Trempealeau River	Trempealeau	\$1,271,243	\$9,698	\$ 1,361,524	\$ 68,076	\$ 68,076	\$ 1,225,372	\$ 4,313	\$ 4,313	\$ 90,023	\$ 234,802
0028819	SOUTH MILWAUKEE WASTEWATER TREAT FACILITY	Root River	Milwaukee	\$1,259,470	\$234,113	\$ 1,348,915	\$ 67,446	\$ 67,446	\$ 1,214,024	\$ 4,273	\$ 4,273	\$ 89,190	\$ 232,627
0028207	HOLLAND SD 1 WASTEWATER TREATMENT FACILITY	Fox River (lower)	Brown	\$1,258,019	\$71,317	\$ 1,347,361	\$ 67,368	\$ 67,368	\$ 1,212,625	\$ 4,268	\$ 4,268	\$ 89,087	\$ 232,359
0023892	ELEVA WASTEWATER TREATMENT FACILITY	Buffalo River	Trempealeau	\$1,256,736	\$34,153	\$ 1,345,987	\$ 67,299	\$ 67,299	\$ 1,211,388	\$ 4,264	\$ 4,264	\$ 88,996	\$ 232,122
0020516	KENDALL WASTEWATER TREATMENT FACILITY	Baraboo-Lemonweir	Monroe	\$1,256,736	\$29,032	\$ 1,345,987	\$ 67,299	\$ 67,299	\$ 1,211,388	\$ 4,264	\$ 4,264	\$ 88,996	\$ 232,122
0031259	OAKDALE WASTEWATER TREATMENT FACILITY	Baraboo-Lemonweir	Monroe	\$1,256,736	\$22,310	\$ 1,345,987	\$ 67,299	\$ 67,299	\$ 1,211,388	\$ 4,264	\$ 4,264	\$ 88,996	\$ 232,122
0061361	LENA WASTEWATER TREATMENT FACILITY	Oconto River	Oconto	\$1,252,691	\$48,683	\$ 1,341,654	\$ 67,083	\$ 67,083	\$ 1,207,489	\$ 4,250	\$ 4,250	\$ 88,710	\$ 231,375
0031551	BURNETT SANITARY DISTRICT #1 WWTF	Rock River (upper)	Dodge	\$1,249,115	\$23,605	\$ 1,337,825	\$ 66,891	\$ 66,891	\$ 1,204,043	\$ 4,238	\$ 4,238	\$ 88,456	\$ 230,715
0022292	SOUTH WAYNE WASTEWATER TREATMENT FACILITY	Pecatonica River	Lafayette	\$1,246,973	\$17,528	\$ 1,335,531	\$ 66,777	\$ 66,777	\$ 1,201,977	\$ 4,231	\$ 4,231	\$ 88,305	\$ 230,319
0022853	THREE LAKES SANITARY DISTRICT #1	Wisconsin River (upper)	Oneida	\$1,227,251	\$25,159	\$ 1,314,408	\$ 65,720	\$ 65,720	\$ 1,182,967	\$ 4,164	\$ 4,164	\$ 86,908	\$ 226,676
0031267	ARPIN WASTEWATER TREATMENT FACILITY	Wisconsin River (upper)	Wood	\$1,217,289	\$21,089	\$ 1,303,738	\$ 65,187	\$ 65,187	\$ 1,173,364	\$ 4,130	\$ 4,130	\$ 86,203	\$ 224,836
0029793	DE SOTO WASTEWATER TREATMENT FACILITY	Bad Axe River & Coon Creek	Crawford	\$1,207,257	\$8,523	\$ 1,292,994	\$ 64,650	\$ 64,650	\$ 1,163,695	\$ 4,096	\$ 4,096	\$ 85,492	\$ 222,983
0031186	ST JOSEPH SANITARY DISTRICT	Bad Axe River & Coon Creek	La Crosse	\$1,207,257	\$19,317	\$ 1,292,994	\$ 64,650	\$ 64,650	\$ 1,163,695	\$ 4,096	\$ 4,096	\$ 85,492	\$ 222,983
0036854	VALLEY RIDGE CLEAN WATER COMMISSION WWTF	Bad Axe River & Coon Creek	Crawford	\$1,197,155	\$17,981	\$ 1,282,175	\$ 64,109	\$ 64,109	\$ 1,153,957	\$ 4,062	\$ 4,062	\$ 84,777	\$ 221,118
0020621	ETTRICK WASTEWATER TREATMENT FACILITY	Black River	Trempealeau	\$1,186,980	\$11,663	\$ 1,271,277	\$ 63,564	\$ 63,564	\$ 1,144,149	\$ 4,027	\$ 4,027	\$ 84,056	\$ 219,238
0060488	LYNDON STATION WASTEWATER TREATMENT FACILITY	Baraboo-Lemonweir	Juneau	\$1,186,980	\$19,317	\$ 1,271,277	\$ 63,564	\$ 63,564	\$ 1,144,149	\$ 4,027	\$ 4,027	\$ 84,056	\$ 219,238
0036536	O DELL BAY SANITARY DISTRICT 1	Wisconsin River (upper)	Juneau	\$1,186,980	\$31,631	\$ 1,271,277	\$ 63,564	\$ 63,564	\$ 1,144,149	\$ 4,027	\$ 4,027	\$ 84,056	\$ 219,238
0060038	SEXTONVILLE SANITARY DISTRICT #1 WWTF	Wisconsin River (lower)	Richland	\$1,186,980	\$61,491	\$ 1,271,277	\$ 63,564	\$ 63,564	\$ 1,144,149	\$ 4,027	\$ 4,027	\$ 84,056	\$ 219,238
0031861	AMANI SANITARY DISTRICT	St Croix River	Polk	\$1,180,354	\$20,026	\$ 1,264,181	\$ 63,209	\$ 63,209	\$ 1,137,763	\$ 4,005	\$ 4,005	\$ 83,587	\$ 218,014
0031411	FENWOOD WASTEWATER TREATMENT FACILITY	Wisconsin River (upper)	Marathon	\$1,165,605	\$6,966	\$ 1,248,384	\$ 62,419	\$ 62,419	\$ 1,123,546	\$ 3,955	\$ 3,955	\$ 82,543	\$ 215,290
0030627	JAMESTOWN SANITARY DISTRICT NO 2 WWTF	Grant-Platte	Grant	\$1,165,605	\$7,794	\$ 1,248,384	\$ 62,419	\$ 62,419	\$ 1,123,546	\$ 3,955	\$ 3,955	\$ 82,543	\$ 215,290
0021580	LINDEN WASTEWATER TREATMENT FACILITY	Pecatonica River	Iowa	\$1,156,003	\$16,607	\$ 1,238,100	\$ 61,905	\$ 61,905	\$ 1,114,290	\$ 3,922	\$ 3,922	\$ 81,863	\$ 213,517
0025585	SULLIVAN WASTEWATER TREATMENT FACILITY	Rock River (lower)	Jefferson	\$1,156,003	\$26,343	\$ 1,238,100	\$ 61,905	\$ 61,905	\$ 1,114,290	\$ 3,922	\$ 3,922	\$ 81,863	\$ 213,517
0031704	SAXON SANITARY DISTRICT #1	Lake Superior	Iron	\$1,136,462	\$43,856	\$ 1,217,172	\$ 60,859	\$ 60,859	\$ 1,095,455	\$ 3,856	\$ 3,856	\$ 80,479	\$ 209,907
0032123	FOREST JUNCTION SANITARY DISTRICT	Fox River (lower)	Calumet	\$1,135,897	\$24,039	\$ 1,216,567	\$ 60,828	\$ 60,828	\$ 1,094,910	\$ 3,854	\$ 3,854	\$ 80,439	\$ 209,803
0021075	PRENTICE VILLAGE OF	Chippewa River (upper)	Price	\$1,108,998	\$38,527	\$ 1,187,757	\$ 59,388	\$ 59,388	\$ 1,068,982	\$ 3,763	\$ 3,763	\$ 78,534	\$ 204,835
0029963	GLEN FLORA VILLAGE OF	Chippewa River (upper)	Rusk	\$1,105,970	\$5,933	\$ 1,184,514	\$ 59,226	\$ 59,226	\$ 1,066,062	\$ 3,752	\$ 3,752	\$ 78,319	\$ 204,275
0029572	STEVENS POINT WASTEWATER TREATMENT FACILITY	Wisconsin River (upper)	Portage	\$1,105,610	\$192,009	\$ 1,184,128	\$ 59,206	\$ 59,206	\$ 1,065,716	\$ 3,751	\$ 3,751	\$ 78,294	\$ 204,209
0060933	PACKWAUKEE SANITARY DISTRICT NO 1	Fox River (upper)	Marquette	\$1,102,751	\$23,546	\$ 1,181,066	\$ 59,053	\$ 59,053	\$ 1,062,959	\$ 3,741	\$ 3,741	\$ 78,092	\$ 203,681
0022705	PATCH GROVE WASTEWATER TREATMENT FACILITY	Grant-Platte	Grant	\$1,102,751	\$17,528	\$ 1,181,066	\$ 59,053	\$ 59,053	\$ 1,062,959	\$ 3,741	\$ 3,741	\$ 78,092	\$ 203,681

**Appendix G
Projected Capital and Financing Cost by Permittee**

Permit #	Letter/Needed Facility	Basin	County	Capital Cost in 2014	Estimated Annual O&M Cost	2016-2017 Costs	Cash Funded 2016	Cash Funded 2017	To Bond Fund	Estimated Debt Service Payments			Additional Debt Service Plus Cash
										2016 EIF	2017 EIF	2016 OMB	
0060381	GLENWOOD CITY WASTEWATER TREATMENT FACILITY	Chippewa River (lower)	St. Croix	\$1,094,511	\$36,353	\$ 1,172,241	\$ 58,612	\$ 58,612	\$ 1,055,017	\$ 3,713	\$ 3,713	\$ 77,508	\$ 202,159
0031577	GIBBSVILLE SANITARY DISTRICT	Sheboygan River	Sheboygan	\$1,091,838	\$28,654	\$ 1,169,378	\$ 58,469	\$ 58,469	\$ 1,052,440	\$ 3,704	\$ 3,704	\$ 77,319	\$ 201,665
0036251	NORTH LAKE POYGAN S D WWTF	Wolf River	Winnebago	\$1,080,832	\$22,310	\$ 1,157,591	\$ 57,880	\$ 57,880	\$ 1,041,832	\$ 3,667	\$ 3,667	\$ 76,539	\$ 199,632
0035114	CRYSTAL LAKE SANITARY DISTRICT	Chippewa River (lower)	Barron	\$1,073,954	\$28,888	\$ 1,150,224	\$ 57,511	\$ 57,511	\$ 1,035,202	\$ 3,644	\$ 3,644	\$ 76,052	\$ 198,362
0035581	RIB MOUNTAIN METRO SEWAGE DISTRICT WWTF	Wisconsin River (upper)	Marathon	\$1,073,026	\$150,503	\$ 1,149,230	\$ 57,462	\$ 57,462	\$ 1,034,307	\$ 3,641	\$ 3,641	\$ 75,987	\$ 198,191
0021440	FAIRWATER WASTEWATER TREATMENT FACILITY	Fox River (upper)	Fond Du Lac	\$1,058,532	\$18,431	\$ 1,133,707	\$ 56,685	\$ 56,685	\$ 1,020,336	\$ 3,591	\$ 3,591	\$ 74,960	\$ 195,513
0030503	Orchard Manor	Grant-Platte	Grant	\$1,047,231	\$10,026	\$ 1,121,603	\$ 56,080	\$ 56,080	\$ 1,009,443	\$ 3,553	\$ 3,553	\$ 74,160	\$ 193,426
0029670	PORT WING TOWN OF	Lake Superior	Bayfield	\$1,047,231	\$15,951	\$ 1,121,603	\$ 56,080	\$ 56,080	\$ 1,009,443	\$ 3,553	\$ 3,553	\$ 74,160	\$ 193,426
0035483	HILL POINT SANITARY DISTRICT WWTF	Baraboo-Lemonweir	Sauk	\$1,040,201	\$32,766	\$ 1,114,074	\$ 55,704	\$ 55,704	\$ 1,002,666	\$ 3,529	\$ 3,529	\$ 73,662	\$ 192,128
0020702	CLYMAN WASTEWATER TREATMENT FACILITY	Rock River (upper)	Dodge	\$1,024,315	\$25,950	\$ 1,097,060	\$ 54,853	\$ 54,853	\$ 987,354	\$ 3,475	\$ 3,475	\$ 72,537	\$ 189,194
0029335	LAKELAND COLLEGE	Sheboygan River	Sheboygan	\$1,001,723	\$28,691	\$ 1,072,863	\$ 53,643	\$ 53,643	\$ 965,577	\$ 3,399	\$ 3,399	\$ 70,937	\$ 185,021
0022284	GENOA WASTEWATER TREATMENT FACILITY	Bad Axe River & Coon Creek	Vernon	\$965,030	\$13,217	\$ 1,033,564	\$ 51,678	\$ 51,678	\$ 930,208	\$ 3,274	\$ 3,274	\$ 68,339	\$ 178,243
0025640	UNION CENTER WASTEWATER TREATMENT FACILITY	Baraboo-Lemonweir	Juneau	\$965,030	\$23,953	\$ 1,033,564	\$ 51,678	\$ 51,678	\$ 930,208	\$ 3,274	\$ 3,274	\$ 68,339	\$ 178,243
0023418	BLUE RIVER WASTEWATER TREATMENT FACILITY	Wisconsin River (lower)	Grant	\$952,800	\$11,127	\$ 1,020,466	\$ 51,023	\$ 51,023	\$ 918,420	\$ 3,233	\$ 3,233	\$ 67,473	\$ 175,985
0028142	HOLY FAMILY CONVENT WASTEWATER TREATMENT FAC	Manitowoc River	Manitowoc	\$952,800	\$15,189	\$ 1,020,466	\$ 51,023	\$ 51,023	\$ 918,420	\$ 3,233	\$ 3,233	\$ 67,473	\$ 175,985
0036030	CLARKS MILLS SANITARY DISTRICT	Manitowoc River	Manitowoc	\$943,105	\$5,173	\$ 1,010,083	\$ 50,504	\$ 50,504	\$ 909,074	\$ 3,200	\$ 3,200	\$ 66,786	\$ 174,194
0031372	CASCADE WASTEWATER TREATMENT FACILITY	Milwaukee River	Sheboygan	\$934,901	\$36,010	\$ 1,001,295	\$ 50,065	\$ 50,065	\$ 901,166	\$ 3,172	\$ 3,172	\$ 66,205	\$ 172,678
0035998	GOETZ COMPANIES INC (PORTAGE PETRO TRAVEL P)	Baraboo-Lemonweir	Columbia	\$927,935	\$20,620	\$ 993,835	\$ 49,692	\$ 49,692	\$ 894,451	\$ 3,148	\$ 3,148	\$ 65,712	\$ 171,392
0020907	MOUNT HOPE WASTEWATER TREATMENT FACILITY	Grant-Platte	Grant	\$927,935	\$22,725	\$ 993,835	\$ 49,692	\$ 49,692	\$ 894,451	\$ 3,148	\$ 3,148	\$ 65,712	\$ 171,392
0029025	POTTER WASTEWATER TREATMENT FACILITY	Manitowoc River	Calumet	\$927,935	\$22,725	\$ 993,835	\$ 49,692	\$ 49,692	\$ 894,451	\$ 3,148	\$ 3,148	\$ 65,712	\$ 171,392
0020460	PORT WASHINGTON WWTP	Sheboygan River	Ozaukee	\$922,805	\$116,859	\$ 988,341	\$ 49,417	\$ 49,417	\$ 889,507	\$ 3,131	\$ 3,131	\$ 65,349	\$ 170,444
0026590	TWO RIVERS WASTEWATER TREATMENT FACILITY	Twin-Kewaunee River	Manitowoc	\$918,588	\$155,306	\$ 983,824	\$ 49,191	\$ 49,191	\$ 885,442	\$ 3,117	\$ 3,117	\$ 65,050	\$ 169,666
0030759	MADÉLINE SANITARY DISTRICT	Lake Superior	Ashland	\$904,607	\$15,636	\$ 968,850	\$ 48,443	\$ 48,443	\$ 871,965	\$ 3,069	\$ 3,069	\$ 64,060	\$ 167,083
0021113	STURGEON BAY UTILITIES WWTF	Door Peninsula	Door	\$881,974	\$179,785	\$ 944,610	\$ 47,230	\$ 47,230	\$ 850,149	\$ 2,992	\$ 2,992	\$ 62,457	\$ 162,903
0031801	CAZENOVIA WASTEWATER TREATMENT FACILITY	Baraboo-Lemonweir	Sauk	\$863,149	\$72,270	\$ 924,448	\$ 46,222	\$ 46,222	\$ 832,003	\$ 2,928	\$ 2,928	\$ 61,124	\$ 159,426
0024139	GRATIOT WASTEWATER TREATMENT FACILITY	Pecatonica River	Lafayette	\$863,149	\$11,663	\$ 924,448	\$ 46,222	\$ 46,222	\$ 832,003	\$ 2,928	\$ 2,928	\$ 61,124	\$ 159,426
0029611	WI ACADEMAY WWTF	Rock River (upper)	Columbia	\$863,149	\$8,878	\$ 924,448	\$ 46,222	\$ 46,222	\$ 832,003	\$ 2,928	\$ 2,928	\$ 61,124	\$ 159,426
0028452	WOLF TREATMENT PLANT	Wolf River	Shawano	\$854,039	\$172,516	\$ 914,691	\$ 45,735	\$ 45,735	\$ 823,222	\$ 2,898	\$ 2,898	\$ 60,479	\$ 157,743
0021601	BROWNSVILLE WASTEWATER TREATMENT FACILITY	Rock River (upper)	Dodge	\$844,760	\$22,720	\$ 904,753	\$ 45,238	\$ 45,238	\$ 814,277	\$ 2,866	\$ 2,866	\$ 59,822	\$ 156,029
0020605	BARABOO WASTEWATER TREATMENT FACILITY	Baraboo-Lemonweir	Sauk	\$838,588	\$122,895	\$ 898,142	\$ 44,907	\$ 44,907	\$ 808,328	\$ 2,845	\$ 2,845	\$ 59,385	\$ 154,889
0031682	DOWNSVILLE SANITARY DISTRICT #1 WWTF	Chippewa River (lower)	Dunn	\$822,228	\$9,459	\$ 880,621	\$ 44,031	\$ 44,031	\$ 792,559	\$ 2,790	\$ 2,790	\$ 58,226	\$ 151,868
0031011	WHEATLAND ESTATES MHP	Fox River	Kenosha	\$822,228	\$19,317	\$ 880,621	\$ 44,031	\$ 44,031	\$ 792,559	\$ 2,790	\$ 2,790	\$ 58,226	\$ 151,868
0036773	MORRISON SANITARY DISTRICT NO 1	Manitowoc River	Brown	\$815,903	\$27,292	\$ 873,847	\$ 43,692	\$ 43,692	\$ 786,462	\$ 2,768	\$ 2,768	\$ 57,778	\$ 150,699
0030660	FONKS HOME CENTER, INC. - HICKORY HAVEN	Fox River	Racine	\$808,200	\$15,189	\$ 865,597	\$ 43,280	\$ 43,280	\$ 779,037	\$ 2,742	\$ 2,742	\$ 57,233	\$ 149,277
0025178	PRAIRIE FARM VILLAGE OF	Chippewa River (lower)	Barron	\$800,146	\$16,163	\$ 856,970	\$ 42,849	\$ 42,849	\$ 771,273	\$ 2,715	\$ 2,715	\$ 56,662	\$ 147,789
0031054	PLYMOUTH TOWN SANITARY DISTRICT #1 WWTF	Rock River (lower)	Rock	\$793,964	\$6,783	\$ 850,349	\$ 42,517	\$ 42,517	\$ 765,314	\$ 2,694	\$ 2,694	\$ 56,225	\$ 146,647
0028509	REESEVILLE WASTEWATER TREATMENT FACILITY	Rock River (upper)	Dodge	\$781,294	\$30,588	\$ 836,780	\$ 41,839	\$ 41,839	\$ 753,102	\$ 2,651	\$ 2,651	\$ 55,328	\$ 144,307
0060151	AVOCA WASTEWATER TREATMENT FACILITY	Wisconsin River (lower)	Iowa	\$764,822	\$17,981	\$ 819,138	\$ 40,957	\$ 40,957	\$ 737,225	\$ 2,595	\$ 2,595	\$ 54,161	\$ 141,265
0031950	BLENKER SHERRY SANITARY DISTRICT WWTP	Wisconsin River (upper)	Wood	\$764,822	\$10,582	\$ 819,138	\$ 40,957	\$ 40,957	\$ 737,225	\$ 2,595	\$ 2,595	\$ 54,161	\$ 141,265
0061051	MARIBEL WASTEWATER TREATMENT FACILITY	Twin-Kewaunee River	Manitowoc	\$764,822	\$18,876	\$ 819,138	\$ 40,957	\$ 40,957	\$ 737,225	\$ 2,595	\$ 2,595	\$ 54,161	\$ 141,265
0024929	NEW LONDON WASTEWATER TREATMENT FACILITY	Wolf River	Waupaca	\$750,695	\$130,653	\$ 804,008	\$ 40,200	\$ 40,200	\$ 723,608	\$ 2,547	\$ 2,547	\$ 53,161	\$ 138,655
0030767	ASHLAND SEWAGE UTILITY	Lake Superior	Ashland	\$736,400	\$114,283	\$ 788,697	\$ 39,435	\$ 39,435	\$ 709,827	\$ 2,498	\$ 2,498	\$ 52,148	\$ 136,015
0036200	FAIRCHILD WASTEWATER TREATMENT FAC	Chippewa River (lower)	Eau Claire	\$725,746	\$11,241	\$ 777,287	\$ 38,864	\$ 38,864	\$ 699,558	\$ 2,462	\$ 2,462	\$ 51,394	\$ 134,047
0029807	LAKEVIEW NEUROLOGICAL REHAB CENTER - MIDWEST	Fox River	Racine	\$719,257	\$16,140	\$ 770,338	\$ 38,517	\$ 38,517	\$ 693,304	\$ 2,440	\$ 2,440	\$ 50,934	\$ 132,849
0031569	REWEY WASTEWATER TREATMENT FACILITY	Pecatonica River	Iowa	\$719,257	\$7,041	\$ 770,338	\$ 38,517	\$ 38,517	\$ 693,304	\$ 2,440	\$ 2,440	\$ 50,934	\$ 132,849
0028975	ROXBURY SANITARY DISTRICT #1 WWTF	Wisconsin River (lower)	Dane	\$719,257	\$19,317	\$ 770,338	\$ 38,517	\$ 38,517	\$ 693,304	\$ 2,440	\$ 2,440	\$ 50,934	\$ 132,849
0036285	STITZER SANITARY DISTRICT WWTF	Grant-Platte	Grant	\$719,257	\$7,041	\$ 770,338	\$ 38,517	\$ 38,517	\$ 693,304	\$ 2,440	\$ 2,440	\$ 50,934	\$ 132,849
0027995	PLOVER WASTEWATER TREATMENT FACILITY	Wisconsin River (upper)	Portage	\$714,352	\$110,452	\$ 765,083	\$ 38,254	\$ 38,254	\$ 688,575	\$ 2,424	\$ 2,424	\$ 50,587	\$ 131,943
0060771	BAGLEY WASTEWATER TREATMENT FACILITY	Grant-Platte	Grant	\$703,518	\$13,217	\$ 753,481	\$ 37,674	\$ 37,674	\$ 678,133	\$ 2,387	\$ 2,387	\$ 49,820	\$ 129,942
0028941	KNIGHT TOWN OF	Lake Superior	Iron	\$703,518	\$15,667	\$ 753,481	\$ 37,674	\$ 37,674	\$ 678,133	\$ 2,387	\$ 2,387	\$ 49,820	\$ 129,942
0020044	RHINELANDER CITY OF	Wisconsin River (upper)	Oneida	\$664,353	\$92,671	\$ 711,534	\$ 35,577	\$ 35,577	\$ 640,381	\$ 2,254	\$ 2,254	\$ 47,046	\$ 122,708
0030490	WAUPACA WASTEWATER TREATMENT FACILITY	Wolf River	Waupaca	\$655,568	\$107,939	\$ 702,125	\$ 35,106	\$ 35,106	\$ 631,912	\$ 2,224	\$ 2,224	\$ 46,424	\$ 121,085
0023914	ELK MOUND WASTEWATER TREATMENT FACILITY	Chippewa River (lower)	Dunn	\$623,376	\$26,343	\$ 667,647	\$ 33,382	\$ 33,382	\$ 600,882	\$ 2,115	\$ 2,115	\$ 44,144	\$ 115,139
0031313	BETHEL CENTER WWTF	Wisconsin River (upper)	Wood	\$601,947	\$7,041	\$ 644,696	\$ 32,235	\$ 32,235	\$ 580,227	\$ 2,042	\$ 2,042	\$ 42,627	\$ 111,181
0020508	NICHOLS WASTEWATER TREATMENT FACILITY	Wolf River	Outagamie	\$595,310	\$14,867	\$ 637,587	\$ 31,879	\$ 31,879	\$ 573,829	\$ 2,020	\$ 2,020	\$ 42,157	\$ 109,955
0036749	BOAZ WASTEWATER TREATMENT FACILITY	Wisconsin River (lower)	Richland	\$545,309	\$11,127	\$ 584,035	\$ 29,202	\$ 29,202	\$ 525,632	\$ 1,850	\$ 1,850	\$ 38,616	\$ 100,720
0036447	LIME RIDGE WASTEWATER TREATMENT FACILITY	Baraboo-Lemonweir	Sauk	\$545,309	\$8,041	\$ 584,035	\$ 29,202	\$ 29,202	\$ 525,632	\$ 1,850	\$ 1,850	\$ 38,616	\$ 100,720
0021296	RIDGELAND WASTEWATER TREATMENT PLANT	Chippewa River (lower)	Dunn	\$524,345	\$10,744	\$ 561,583	\$ 28,079	\$ 28,079	\$ 505,425	\$ 1,779	\$ 1,779	\$ 37,132	\$ 96,848
0023698	DALLAS VILLAGE OF	Chippewa River (lower)	Barron	\$487,591	\$15,921	\$ 522,218	\$ 26,111	\$ 26,111	\$ 469,996	\$ 1,654	\$ 1,654	\$ 34,529	\$ 90,059
0022861	OCONTO UTILITY COMMISSION WWTF	Oconto River	Oconto	\$476,813	\$75,531	\$ 510,675	\$ 25,534	\$ 25,534	\$ 459,607	\$ 1,618	\$ 1,618	\$ 33,766	\$ 88,068
0022837	LAKELAND SANITARY DISTRICT	Wisconsin River (upper)	Oneida	\$472,969	\$44,496	\$ 506,558	\$ 25,328	\$ 25,328	\$ 455,902	\$ 1,605	\$ 1,605	\$ 33,493	\$ 87,359
0035718	CHELSEA SANITARY DISTRICT	Black River	Taylor	\$460,931	\$3,279	\$ 493,665	\$ 24,683	\$ 24,683	\$ 444,299	\$ 1,564	\$ 1,564	\$ 32,641	\$ 85,135
0021636	WHITING WASTEWATER TREATMENT FACILITY	Wisconsin River (upper)	Portage	\$448,497	\$50,585	\$ 480,349	\$ 24,017	\$ 24,017	\$ 432,314	\$ 1,522	\$ 1,522	\$ 31,760	\$ 82,839
0022870	OCONTO FALLS WASTEWATER TREATMENT FACILITY	Oconto River	Oconto	\$432,409	\$53,197	\$ 463,118	\$ 23,156	\$ 23,156	\$ 416,806	\$ 1,467	\$ 1,467	\$ 30,621	\$ 79,867
0024627	MARSHALL WASTEWATER TREATMENT FACILITY	Rock River (upper)	Dane	\$415,619	\$50,850	\$ 445,136	\$ 22,257	\$ 22,257	\$ 400,622	\$ 1,410	\$ 1,410	\$ 29,432	\$ 76,766
0032522	CONRATH VILLAGE OF	Chippewa River (upper)	Rusk	\$403,366	\$4,405	\$ 432,012	\$ 21,601	\$ 21,601	\$ 388,811	\$ 1,369	\$ 1,369	\$ 28,564	\$ 74,503
0022004	EAGLE RIVER CITY OF	Wisconsin River (upper)	Vilas	\$396,947	\$64,584	\$ 425,138	\$ 21,257	\$ 21,257	\$ 382,624	\$ 1,347	\$ 1,347	\$ 28,110	\$ 73,317
0020923	WEYAUWEGA WASTEWATER TREATMENT FACILITY	Wolf River	Waupaca	\$393,677	\$61,518	\$ 421,636	\$ 21,082	\$ 21,082	\$ 379,472	\$ 1,336	\$ 1,336	\$ 27,878	\$ 72,713

**Appendix G
Projected Capital and Financing Cost by Permittee**

Permit #	Letter/Needed/Facility	Basin	County	Capital Cost in 2014	Estimated Annual O&M Cost	2016-2017 Costs	Cash Funded 2016	Cash Funded 2017	To Bond Fund	Estimated Debt Service Payments			Additional Debt Service Plus Cash
										2016 EIF	2017 EIF	2016 OMB	
0022896	HORTONVILLE WASTEWATER TREATMENT FACILITY	Wolf River	Outagamie	\$390,745	\$37,480	\$ 418,495	\$ 20,925	\$ 20,925	\$ 376,646	\$ 1,326	\$ 1,326	\$ 27,671	\$ 72,172
0022110	BOSCOBEL WASTEWATER TREATMENT FACILITY	Wisconsin River (lower)	Grant	\$381,040	\$43,035	\$ 408,100	\$ 20,405	\$ 20,405	\$ 367,290	\$ 1,293	\$ 1,293	\$ 26,983	\$ 70,379
0020842	FREEDOM SANITARY DISTRICT NO 1	Duck Creek	Outagamie	\$351,762	\$40,628	\$ 376,743	\$ 18,837	\$ 18,837	\$ 339,069	\$ 1,193	\$ 1,193	\$ 24,910	\$ 64,971
0022071	SISTER BAY WASTEWATER TREATMENT FACILITY	Door Peninsula	Door	\$332,975	\$35,281	\$ 356,622	\$ 17,831	\$ 17,831	\$ 320,960	\$ 1,130	\$ 1,130	\$ 23,580	\$ 61,501
0028444	WITTENBERG WASTEWATER TREATMENT FACILITY	Wolf River	Shawano	\$320,373	\$49,064	\$ 343,125	\$ 17,156	\$ 17,156	\$ 308,812	\$ 1,087	\$ 1,087	\$ 22,687	\$ 59,174
0022675	WASHBURN CITY OF	Lake Superior	Bayfield	\$318,989	\$38,548	\$ 341,643	\$ 17,082	\$ 17,082	\$ 307,479	\$ 1,082	\$ 1,082	\$ 22,589	\$ 58,918
0020729	REDGRANITE WASTEWATER TREATMENT FACILITY	Wolf River	Waushara	\$317,599	\$32,754	\$ 340,154	\$ 17,008	\$ 17,008	\$ 306,139	\$ 1,078	\$ 1,078	\$ 22,491	\$ 58,661
0035203	FISH CREEK SD1 WASTEWATER TREATMENT FACILITY	Door Peninsula	Door	\$311,968	\$23,212	\$ 334,123	\$ 16,706	\$ 16,706	\$ 300,711	\$ 1,058	\$ 1,058	\$ 22,092	\$ 57,621
0063053	GREATER BAYFIELD WWTP COMMISSION	Lake Superior	Bayfield	\$307,187	\$24,374	\$ 329,003	\$ 16,450	\$ 16,450	\$ 296,102	\$ 1,042	\$ 1,042	\$ 21,102	\$ 56,738
0035661	EGG HARBOR WASTEWATER TREATMENT FACILITY	Door Peninsula	Door	\$281,909	\$22,767	\$ 301,929	\$ 15,096	\$ 15,096	\$ 271,736	\$ 956	\$ 956	\$ 19,963	\$ 52,069
0030848	CLEVELAND WASTEWATER TREATMENT FACILITY	Manitowoc River	Manitowoc	\$275,997	\$28,314	\$ 295,598	\$ 14,780	\$ 14,780	\$ 266,038	\$ 936	\$ 936	\$ 19,545	\$ 50,977
0035840	BAILEYS HARBOR WASTEWATER TREATMENT FACILITY	Door Peninsula	Door	\$260,845	\$16,373	\$ 279,370	\$ 13,968	\$ 13,968	\$ 251,433	\$ 885	\$ 885	\$ 18,472	\$ 48,179
0031127	SHERWOOD WASTEWATER TREATMENT FACILITY	Manitowoc River	Calumet	\$246,494	\$35,056	\$ 264,000	\$ 13,200	\$ 13,200	\$ 237,600	\$ 836	\$ 836	\$ 17,456	\$ 45,528
0061271	EPHRAIM WASTEWATER TREATMENT FACILITY	Door Peninsula	Door	\$221,624	\$15,753	\$ 237,364	\$ 11,868	\$ 11,868	\$ 213,627	\$ 752	\$ 752	\$ 15,694	\$ 40,935
0022471	WALDO WASTEWATER UTILITY	Sheboygan River	Sheboygan	\$183,096	\$23,943	\$ 196,099	\$ 9,805	\$ 9,805	\$ 176,489	\$ 621	\$ 621	\$ 12,966	\$ 33,818
0022438	WRIGHTSTOWN SANITARY DISTRICT 1	Fox River (lower)	Brown	\$169,604	\$17,498	\$ 184,648	\$ 9,082	\$ 9,082	\$ 163,484	\$ 575	\$ 575	\$ 12,011	\$ 31,326
0026654	SEVASTOPOL SD NO 1 WWTF	Door Peninsula	Door	\$162,875	\$20,606	\$ 174,442	\$ 8,722	\$ 8,722	\$ 156,998	\$ 553	\$ 553	\$ 11,534	\$ 30,083
0021431	PLUM CITY WASTEWATER TREATMENT PLANT	Chippewa River (lower)	Pierce	\$143,942	\$13,346	\$ 154,165	\$ 7,708	\$ 7,708	\$ 138,748	\$ 488	\$ 488	\$ 10,193	\$ 26,586
0036765	EASTMAN WASTEWATER TREATMENT FACILITY	Wisconsin River (lower)	Crawford	\$132,097	\$6,719	\$ 141,478	\$ 7,074	\$ 7,074	\$ 127,331	\$ 448	\$ 448	\$ 9,354	\$ 24,399
0060500	KNAPP WASTEWATER TREATMENT FACILITY	Chippewa River (lower)	Dunn	\$118,918	\$8,781	\$ 127,364	\$ 6,368	\$ 6,368	\$ 114,627	\$ 403	\$ 403	\$ 8,421	\$ 21,965
0029271	LOWELL WASTEWATER TREATMENT FACILITY	Rock River (upper)	Dodge	\$118,918	\$8,781	\$ 127,364	\$ 6,368	\$ 6,368	\$ 114,627	\$ 403	\$ 403	\$ 8,421	\$ 21,965
0023051	LEBANON SD#2 WWTF	Rock River (upper)	Dodge	\$116,080	\$11,336	\$ 124,324	\$ 6,216	\$ 6,216	\$ 111,891	\$ 394	\$ 394	\$ 8,220	\$ 21,440
0060607	GREAT LAKES INVESTORS LLC WWTF	Rock River (lower)	Jefferson	\$111,670	\$6,982	\$ 119,600	\$ 5,980	\$ 5,980	\$ 107,640	\$ 379	\$ 379	\$ 7,908	\$ 20,626
0031852	AURORA SANITARY DISTRICT # 1	Menominee River	Florence	\$103,849	\$10,112	\$ 111,224	\$ 5,561	\$ 5,561	\$ 100,102	\$ 352	\$ 352	\$ 7,354	\$ 19,181
0032531	STEPHENSVILLE SANITARY DISTRICT NO 1	Wolf River	Outagamie	\$93,488	\$10,112	\$ 100,128	\$ 5,006	\$ 5,006	\$ 90,115	\$ 317	\$ 317	\$ 6,620	\$ 17,268
0023159	ADAMS WASTEWATER TREATMENT FACILITY	Wisconsin River (upper)	Adams	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0023213	AMHERST WASTEWATER TREATMENT FACILITY	Wolf River	Portage	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0026808	Amicon Foundation	Lake Superior	Douglas	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0028061	BEAR CREEK WASTEWATER TREATMENT FACILITY	Wolf River	Outagamie	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0061336	BELL SANITARY DISTRICT 1	Lake Superior	Bayfield	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0022691	BIRNAMWOOD WASTEWATER TREATMENT FACILITY	Wolf River	Shawano	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0021041	BLACK CREEK WASTEWATER TREATMENT FACILITY	Wolf River	Outagamie	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0028908	Bostwick Mobile Home Park	La Crosse River	La Crosse	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0021237	BOWLER WASTEWATER TREATMENT FACILITY	Wolf River	Shawano	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0060330	BOYCEVILLE WASTEWATER TREATMENT FACILITY	Chippewa River (lower)	Dunn	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0023442	BRANDON WASTEWATER TREATMENT FACILITY	Rock River (upper)	Fond Du Lac	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0022136	BROKAW WASTEWATER TREATMENT FACILITY	Wisconsin River (upper)	Marathon	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0032492	BUTTE DES MORTS CONSOLIDATED SD 1	Fox River (upper)	Winnebago	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0022829	CAROLINE SD 1 WASTEWATER TREATMENT FACILITY	Wolf River	Shawano	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0061701	CATAWBA KENNAN JOINT SEWAGE COMMISSION	Chippewa River (upper)	Price	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0020711	CEDAR GROVE WASTEWATER TRTMENT FACIL	Sheboygan River	Sheboygan	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0025348	CHASEBURG WASTEWATER TREATMENT FAC	Bad Axe River & Coon Creek	Vernon	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0023604	CHIPPEWA FALLS WWTP	Chippewa River (lower)	Chippewa	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0032069	CLOVER SANITARY DISTRICT	Lake Superior	Bayfield	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0023663	COLFAX WASTEWATER TREATMENT FACILITY	Chippewa River (lower)	Dunn	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0020958	COON VALLEY WASTEWATER TREATMENT FACILITY	Bad Axe River & Coon Creek	Vernon	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0021300	CORNELL WASTEWATER TREATMENT FACILITY	Chippewa River (lower)	Chippewa	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0060372	CRIVITZ WASTEWATER TREATMENT FACILITY	Peshigo River	Marinette	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0061263	CROCKETT'S RESORT	Baraboo-Lemonweir	Juneau	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0030899	DURAND WASTEWATER TREATMENT FACILITY	Chippewa River (lower)	Pepin	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0023850	EAU CLAIRE WASTEWATER TREATMENT FACILITY	Chippewa River (lower)	Eau Claire	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0023949	EMBARRASS CLOVERLEAF LAKES SD LAGOON SYSTEM	Wolf River	Waupaca	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0025976	FALL CREEK WASTEWATER TREATMENT FACILITY	Chippewa River (lower)	Eau Claire	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0020974	FERRYVILLE WASTEWATER TREATMENT FACILITY	Bad Axe River & Coon Creek	Crawford	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0036021	FONTANA WALWORTH WATER POLLUTION CONT. COMM	Rock River (lower)	Walworth	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0029254	FREDERIC VILLAGE OF	St Croix River	Polk	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0026158	FREMONT ORIHULA WOLF RIVER JOINT S C	Wolf River	Waupaca	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0023787	GBMSD - DE PERE	Fox River (lower)	Brown	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0022063	GILLETT WASTEWATER TREATMENT FACILITY	Oconto River	Oconto	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0029599	GLIDDEN SANITARY DISTRICT	Chippewa River (upper)	Ashland	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0029327	GRAND GENEVA RESORT & SPA	Fox River	Walworth	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0035131	GRAND VIEW SANITARY DISTRICT	Lake Superior	Bayfield	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0060429	GRANTSBURG VILLAGE OF	St Croix River	Burnett	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0022781	GRESHAM WASTEWATER TREATMENT FACILITY	Wolf River	Shawano	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0024279	HUDSON WASTEWATER TREATMENT FACILITY	St Croix River	St. Croix	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0020303	HUSTISFORD WASTEWATER TREATMENT FACILITY	Rock River (upper)	Dodge	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0021717	IOLA WASTEWATER TREATMENT FACILITY	Wolf River	Waupaca	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**Appendix G
Projected Capital and Financing Cost by Permittee**

Permit #	Letter/Needed/Facility	Basin	County	Capital Cost in 2014	Estimated Annual O&M Cost	2016-2017 Costs	Cash Funded 2016	Cash Funded 2017	To Bond Fund	Estimated Debt Service Payments			Additional Debt Service Plus Cash
										2016 EIF	2017 EIF	2016 OMB	
0035874	KOSSUTH SANITARY DISTRICT NO. 2 WWTF	Twin-Kewaunee River	Manitowoc	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0021326	LADYSMITH CITY OF	Chippewa River (upper)	Rusk	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0036374	LAKE TOMAHAWK TOWNSHIP SANITARY DISTRICT 1	Wisconsin River (upper)	Oneida	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0049841	LAKWOOD SANITARY DISTRICT NO 1	Peshtigo River	Oconto	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0028592	LAONA SANITARY DISTRICT #1	Peshtigo River	Forest	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0032361	MAIDEN ROCK WASTEWATER TREATMENT FACILITY	Chippewa River (lower)	Pierce	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0020869	MANAWA WASTEWATER TREATMENT FACILITY	Wolf River	Waupaca	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0036552	MAPLE GROVE ESTATES SD	La Crosse River	La Crosse	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0026182	MARINETTE WASTEWATER UTILITY	Menominee River	Marinette	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0020311	MELLEN CITY OF	Lake Superior	Ashland	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0020150	MERRILL CITY OF	Wisconsin River (upper)	Lincoln	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0022306	MONTREAL CITY OF	Lake Superior	Iron	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0060666	NESHKORO WASTEWATER TREATMENT FACILITY	Fox River (upper)	Marquette	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0029467	NIAGARA WASTEWATER TREATMENT FACILITY	Menominee River	Marinette	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0022233	OOSTBURG WASTEWATER TREATMENT PLANT	Sheboygan River	Sheboygan	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0025020	OSCEOLA VILLAGE OF	St Croix River	Polk	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0032077	OXFORD WASTEWATER TREATMENT FACILITY	Fox River (upper)	Marquette	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0029033	PARK FALLS CITY OF	Chippewa River (upper)	Price	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0030651	PESHTIGO JOINT WASTEWATER TREATMENT FACILITY	Peshtigo River	Marinette	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0029050	PHELPS SANITARY DISTRICT #1	Wisconsin River (upper)	Vilas	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0030911	Pinewood Properties - Brookview Motor Home Ct	Bad Axe River & Coon Creek	La Crosse	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0020427	PORTAGE WASTEWATER TREATMENT FACILITY	Baraboo-Lemonweir	Columbia	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0031691	POY SIPPI SD WASTEWATER TREATMENT FACILITY	Wolf River	Waushara	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0021865	RICE LAKE UTILITIES CITY OF	Chippewa River (lower)	Barron	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0022802	ROCKLAND SD1 WASTEWATER TREATMENT FACILITY	Manitowoc River	Manitowoc	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0029319	RUSSELL SANITARY DISTRICT #1 TOWN OF	Wisconsin River (upper)	Lincoln	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0035866	SCHOOL DISTRICT OF SUPERIOR	Lake Superior	Douglas	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0021768	SEYMOUR WASTEWATER TREATMENT FACILITY	Wolf River	Outagamie	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0029718	SHAWANO COUNTY UTILITIES WWTF	Wolf River	Shawano	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0028100	SHIOCTON WASTEWATER TREATMENT FACILITY	Wolf River	Outagamie	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0061301	SILVER LAKE SANITARY DISTRICT	Fox River (upper)	Waushara	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0030252	SOMERSET WASTEWATER TREATMENT FACILITY	St Croix River	St. Croix	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0020796	ST CROIX FALLS CITY OF	St Croix River	Polk	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0060984	STAR PRAIRIE WASTEWATER TREATMENT FACILITY	St Croix River	St. Croix	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0020877	SURING WASTEWATER TREATMENT FACILITY	Oconto River	Oconto	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0022349	TIGERTON WASTEWATER TREATMENT FACILITY	Wolf River	Shawano	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0021946	TOMAHAWK CITY OF	Wisconsin River (upper)	Lincoln	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0026000	TONY VILLAGE OF	Chippewa River (upper)	Rusk	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0022012	WABENO SANITARY DISTRICT #1	Oconto River	Forest	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0025739	WAUSAU WATER WORKS WW TREATMENT FACILITY	Wisconsin River (upper)	Marathon	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0060011	WAUSAUKEE WASTEWATER TREATMENT FACILITY	Menominee River	Marinette	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0028843	WEBSTER VILLAGE OF	St Croix River	Burnett	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0061107	WESTBORO SANITARY DISTRICT #1	Chippewa River (upper)	Taylor	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0021792	WESTBY WASTEWATER TREATMENT FACILITY	Bad Axe River & Coon Creek	Vernon	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0022250	WESTFIELD WASTEWATER TREATMENT FACILITY	Fox River (upper)	Marquette	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0060852	WHEELER WASTEWATER TREATMENT FACILITY	Chippewa River (lower)	Dunn	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0031747	WHITECAP MOUNTAINS SANITARY DISTRICT	Lake Superior	Iron	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0031402	WI DELLS LK DELTON SEWERAGE COMMISSION WWTF	Baraboo-Lemonweir	Columbia	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0030449	WI DNR COPPER FALLS STATE PARK	Lake Superior	Ashland	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0030066	WI DOC FLAMBEAU CORRECTIONAL CENTER	Chippewa River (upper)	Sawyer	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0026701	WI DOC LINCOLN HILLS SCHOOL	Wisconsin River (upper)	Lincoln	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0060071	WILD ROSE WASTEWATER TREATMENT FACILITY	Wolf River	Waushara	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0032140	WILSON WASTEWATER TREATMENT FACILITY	Chippewa River (lower)	St. Croix	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
0022357	WRIGHTSTOWN SANITARY DISTRICT 2	Fox River (lower)	Brown	\$0	\$0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
				\$1,597,253,748	\$69,374,510	\$1,710,687,531	\$85,534,377	\$ 85,534,377	\$ 1,539,618,778	\$ 5,419,091	\$ 5,419,091	\$ 113,109,830	\$ 295,016,766