

**SHARED SERVICES AGREEMENT**

Between

**CITY OF DETROIT**

And

**GREAT LAKES WATER AUTHORITY**

**Dated as of December 1, 2015**

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## **SHARED SERVICES AGREEMENT**

This Shared Services Agreement (“Agreement”) is entered into as of December 1, 2015 by and between the City of Detroit, County of Wayne, State of Michigan (the “City”), a Michigan home rule city, by and through the Detroit Water and Sewerage Department (the “Department”), and the Great Lakes Water Authority, a public corporation organized under Act 233, Michigan Public Acts of 1955, as amended (“Act 233”) (the “Authority”).

### **RECITALS**

WHEREAS, a Memorandum of Understanding (the “MOU”) was entered into on September 9, 2014 by the Emergency Manager of the City (the “Emergency Manager”) and the Mayor of the City (the “Mayor”), the County Executive of each of Macomb County, Oakland County, and Wayne County, and the Governor of the State of Michigan (the “State”), for the purpose of establishing a regional water authority pursuant to Act 233 to operate, control and improve both the Water System and Sewer System owned by the City and presently operated by the Department (except the City local system infrastructure), which are necessary for the wholesale delivery and sale of water and sewage disposal services to customers in southeastern Michigan and to facilitate the improvement of the Local Water System and Local Sewer System (as such terms are hereinafter defined), which will continue to be operated by the City; and

WHEREAS, pursuant to the MOU and resolutions approving the Authority’s Articles of Incorporation adopted by the City Council of the City, the Board of Commissioners of Oakland County, the Board of Commissioners of Macomb County, and the County Commission of Wayne County, the Authority has been incorporated for the purpose of, among other things, acquiring, owning, leasing, improving, enlarging, extending, financing, refinancing and operating a water supply system (the “Regional Water System”) and sewage disposal system, including a storm water collection and treatment system (the “Regional Sewer System,” and together with the Regional Water System, the “Regional Systems”), or a combination of such systems; and

WHEREAS, the City will retain those assets of the Local Water System and the Local Sewer System necessary to provide water supply services (the “Local Water Facilities”) and sewage disposal services (the “Local Sewer Facilities,” and together with the Local Water Facilities, the “Local Facilities”), to the Retail Water Customers and the Retail Sewer Customers (as such terms are hereinafter defined), served directly by the Local Facilities; and

WHEREAS, on September 9, 2014, pursuant to EM Order No. 34, the Emergency Manager authorized the Mayor to negotiate the terms of and execute and deliver a lease of the Regional Water System (the “Water Lease”) and a lease of the Regional Sewer System (the “Sewer Lease”), an agreement between the City and the Authority relating to the operation, management and improvement of the Local Systems (as such term is hereinafter defined), and a transition agreement consistent with the parameters established by the MOU, and take such other actions as may be necessary or desirable to complete the transfer of the Regional Systems to the Authority as described in the MOU; and

WHEREAS, the Board and the City have approved and executed the Water Lease, the Sewer Lease (as each may be amended from time to time) and the Water and Sewer Services Agreement (the “Water and Sewer Services Agreement”), an agreement providing for water and sewer services by the Authority to the City; and

WHEREAS, on November 12, 2014, an Order Confirming Eighth Amended Plan for the Adjustment of Debts of the City of Detroit (“the Confirmation Order”) was entered (Docket No. 8272 In re City of Detroit, Michigan, Debtor, Case No. 13-53846) confirming the Plan of Adjustment of Debts of the City of Detroit; and

WHEREAS, paragraph 38 of the Confirmation Order approved the MOU in all respects, and authorized the City to enter into, and take any action necessary to perform under or implement, the terms of the MOU and any final agreement resulting from the MOU creating the Authority subject to additional terms and conditions described therein; and

WHEREAS, the Authority and the City find it necessary and desirable for the efficient operation of the Regional Systems and the Detroit Local Systems to collaborate in providing to each other certain functions and services required by both the Regional Systems and the Detroit Local Systems;

**NOW, THEREFORE,** in consideration of the mutual promises and agreements herein contains, the parties hereto agree as follows:

## **ARTICLE 1 DEFINITIONS**

### **1.1 Definitions.** As used in this Agreement:

“Act 94” means the revenue bond act of 1933, Act 94, Public Acts of Michigan, 1933, as amended.

“Act 233” has the meaning assigned it in the preamble to this Agreement.

“Agreement” means this Shared Services Agreement and all Service Delivery Schedules attached hereto.

“Applicable Laws” means all laws, rules, regulations, ordinances, permit and license requirements, and orders of courts, governmental officials and agencies of competent jurisdiction with respect to the Services or which generally relate to the Leased Facilities.

“Authority Services” means the Services to be performed by the Authority pursuant to this Agreement.

“Board” means the Board of Directors of the Authority.

“Board of Water Commissioners” means the governing board of the Detroit Water and Sewerage Department.

“City Services” means the Services to be performed by the City pursuant to this Agreement.

“Confirmation Order” has the meaning assigned to it in the recitals to this Agreement.

“Department” has the meaning assigned to it in the preamble to this Agreement.

“DWSD-R” means the Detroit Water and Sewerage Department as in existence on and after the Effective Date.

“Effective Date” has the meaning assigned it in Section 10.1.

“Fiscal Year” means the period beginning on July 1 of each year and ending on June 30 of the following year.

“FTE” means the hours worked by one employee on a full-time basis.

“Invoice Dispute” has the meaning assigned it in Section 5.3 hereof.

“Leases” means, collectively, the Sewer Lease and the Water Lease.

“Leased Facilities” means, collectively, the Leased Sewer Facilities and the Leased Water Facilities.

“Leased Sewer Facilities” means the sewage disposal system facilities leased by the City to the Authority pursuant to the Sewer Lease.

“Leased Water Facilities” means the water supply system facilities leased by the City to the Authority pursuant to the Water Lease.

“Local Facilities” means, collectively, the Local Sewer Facilities and the Local Water Facilities.

“Local Sewer Facilities” means those sewage disposal facilities of the Sewer System, other than the Leased Sewer Facilities, that are used to provide sewer service directly to the Retail Sewer Customers on the Effective Date.

“Local Sewer System” means that portion of the Sewer System that provides sewage disposal services directly to the Retail Sewer Customers, which on the Effective Date consists of the Local Sewer Facilities.

“Local Systems” means, collectively, the Local Sewer System and the Local Water System.

“Local Water Facilities” means those water supply system facilities, including all fire hydrants, of the Water System, other than the Leased Water Facilities that are used to provide water service directly to the Retail Water Customers on the Effective Date.

“Local Water System” means that portion of the Water System that provides water supply services directly to Retail Water Customers, which on the Effective Date consists of the Local Water Facilities.

“Mayor” means the Mayor of the City.

“MOU” has the meaning assigned to it in the recitals to this Agreement.

“Parties” means the City and the Authority.

“Performance Standards” means the level of performance necessary to provide the Services in accordance with Applicable Laws and Prudent Utility Practices, all in a manner so as to provide the Services in the same or an improved manner as was provided by the Department immediately prior to the Effective Date.

“Performing Party” means the Party that is performing a Service for a Subscribing Party pursuant to this Agreement as provided in a Service Delivery Schedule.

“Plan of Adjustment” means the City’s Eighth Amended Plan for the Adjustment of Debts of the City as confirmed by the Confirmation Order.

“Prudent Utility Practices” means those practices, methods, techniques, standards and acts engaged in or approved by a significant portion of the regulated water and sewer utility industry in the United States or any of the practices, methods, techniques, standards and acts which, in the exercise of reasonable judgment in light of the facts known (or which a qualified and prudent operator could reasonably be expected to have known) at the time a decision is made, would have been expected to accomplish a desired result at a reasonable cost consistent with good business practices, reliability, safety and expedition, in each case related to the operation, maintenance and improvement of similar systems at utility franchises of the same or similar size and type as the Systems.

“Retail Sewer Customers” means those individual customers located within and outside the City that receive sewer service directly from the Local Sewer Facilities.

“Retail Water Customers” means those individual customers located within and outside the City that receive water service directly from the Local Water Facilities.

“Regional Systems” means, collectively, the Regional Sewer System and the Regional Water System.

“Regional Sewer System” means that portion of the Sewer System that provides sewer service to the wholesale customers thereof and the Retail Sewer Customers up to the point of connection to the Local Sewer System, which on the Effective Date consists of the Leased Sewer Facilities.

“Regional Water System” means that portion of the Water System that provides water service to wholesale customers thereof and Retail Water Customers up to the point of connection to the Local Water System, which on the Effective Date consists of the Leased Water Facilities.

“Separation Costs” means, collectively, Stranded Costs and Transition Costs each as identified in a Service Delivery Schedule.

“Services” means a service or services that a Performing Party is providing to a Subscribing Party pursuant to this Agreement as provided in a Service Delivery Schedule.

“Service Cost” means the direct costs incurred by the Performing Party or required to be paid by the Performing Party for the provision of a particular Service, which shall be limited to costs associated with salaries and wages, overtime, fringe benefits, utilities directly associated with the delivery of the Service, training necessary to provide the Service, any contracted or purchased services, repairs and maintenance costs of any facilities not subject to the Leases and necessary to provide the Service, supplies, insurance, and a pro rata portion of other direct expenses that are necessary to provide the Service. The preceding cost elements may be amended from time to time as agreed to by the Parties. Service Cost shall not include: (a) rent of any real or personal property that is subject to the Water Lease or the Sewer Lease, and (b) costs that are included in the Service Cost of a different Service Delivery Schedule, including, but not limited to, utility costs paid in facilities or buildings subject to the Water Lease and the Sewer Lease.

“Service Delivery Schedule” has the meaning assigned to it in Section 2.1 of this Agreement.

“Sewer System” means the City’s sewage disposal system as existing immediately prior to the Effective Date, which consists on the Effective Date of the Regional Sewer System and the Local Sewer System.

“Stranded Costs” means the actual costs, liabilities or expenses a Performing Party has incurred or will incur in the performance of a Service and is unable to avoid or otherwise mitigate in the event of the termination of all or a portion of a Service Delivery Schedule pursuant to Section 10.3.

“Subscribing Party” means the Party that is receiving a Service from a Performing Party pursuant to this Agreement as provided in a Service Delivery Schedule.

“Systems” means, collectively, the Local Systems and the Regional Systems.

“Transition Costs” means the actual costs, charges or expenses incurred by a Performing Party in supporting the transition of a Subscribing Party to transition to a new Service provider.

“Water System” means the City’s water supply system as existing immediately prior to the Effective Date, which consists on the Effective Date of the Regional Water System and the Local Water System.

**1.2 Captions and Headings.** The captions, headings, and titles in this Agreement are intended as a convenience and not intended to have any substantive meaning or be interpreted as part of this Agreement.

**1.3 Plural Terms.** A term or phrase in this Agreement importing the singular number only may extend to and embrace the plural number and every term or phrase importing the plural number may be applied and limited to the singular number.

## **ARTICLE 2 SERVICES**

**2.1 Service Delivery Schedules.** The City and the Authority have agreed that, to facilitate and enhance the efficiency of the operation of the Regional Systems by the Authority and the operation of the Local Systems by DWSD-R, and to increase the efficiency of operation of the Systems into the future, minimizing duplication of services and functions by both the Authority and the City, the City shall provide to the Authority the City Services for the periods described on the Service Delivery Schedules attached to this Agreement and the Authority shall provide to the City the Authority Services for the periods described on the Service Delivery Schedules, commencing on the Effective Date, subject to periodic modification as to scope and duration as provided in Section 2.3. Generally, the Performing Party for a particular Service will be the party that utilizes or requires the Service more than the Subscribing Party, unless such allocation of responsibility would result in a substantial increase in FTEs to the other Party. Each Service Delivery Schedule shall contain, at minimum, the following information:

- a) the Performing Party and the Subscribing Party;
- b) identification of the Service to be provided and how such Service shall be delivered;
- c) the period for which the Service is to be provided;
- d) the Service Cost, which, beginning no later than Fiscal Year 2017-2018, shall include a breakdown, where practicable, of each component of the Service Cost, and the charges therefor;
- e) a statement of any variations of the terms of this Agreement which may be reasonably necessary for the specific Service being performed;
- f) if necessary, a process for determining how such Services will be provided after an initial transition period; and
- g) notice and other provisions, including Separation Costs, regarding the termination or modification of the Service under this Agreement.

The Parties may mutually agree to adopt new or modified Service Delivery Schedules as the need or desirability of such Services occurs or changes pursuant to Section 2.3. The Director of DWSD-R (the "Director") and the Chief Executive Officer of the Authority (the "Chief Executive Officer") or their assignees shall maintain and update as necessary a list of primary contacts from each Party for each Service Delivery Schedule. Each Party shall ensure that the appropriate employee or officer of that Party responsible for the provision or subscription of a specific Service is kept informed of the current contact list.

Except as otherwise set forth in a Service Delivery Schedule, no Party shall be responsible for paying any Separation Costs.

**2.2 Provision of Services by the Parties.** The Authority shall perform or cause to be performed the Authority Services as provided in each applicable Service Delivery Schedule. The Authority may perform the Services directly or contract with third parties to perform all or a portion of the Services on its behalf.

The City shall perform, or cause to be performed, the City Services as provided in each applicable Service Delivery Schedule. The City may perform the Services directly or contract with third parties to perform all or a portion of the Services on its behalf. The City Services may be provided on behalf of DWSD-R by the City's central administration as an operation and maintenance expense to the extent the central administration has historically provided such services to the Department.

In the event a Performing Party has contracted with a third party to perform all or a portion of the Services on its behalf, the provisions of this Agreement shall control in the event of a conflict between the provisions of such contract and this Agreement. Additionally, a Subscribing Party shall have the right to consent to the selection of any new third party contractor who will be providing all or a portion of Services on behalf of a Performing Party, which consent shall not be unreasonably withheld.

A Performing Party shall dedicate such resources as are necessary to ensure its officers, employees and contractors promptly respond to reasonable requests of the Subscribing Party in connection with the provision of Services. In the event a Subscribing Party requests information or support pursuant to this Agreement or a Service Delivery Schedule to which a representative of the Providing Party fails to respond in a timely manner, the Director and the Chief Executive Officer and the appropriate employees or agents of each Party responsible for responding to the request shall meet within three business days to provide the response or establish a date certain for responding, as appropriate.

**2.3 Modification or Extension of Service Delivery Schedules.** Prior to the development of the DWSD-R budget for each Fiscal Year pursuant to Section 5.3 of the Water and Sewer Services Agreement, the Chief Executive Officer and the Director shall meet to discuss and plan for any modifications to the Service Delivery Schedules for the next Fiscal Year and the anticipated need and Service Costs for any "as-needed" Services for the next Fiscal Year based on actual results in prior Fiscal Years. Any proposed modification shall identify or project any Stranded Costs and Transition Costs calculated by applying the Service Cost cost-components. Except as otherwise provided in a Service Delivery Schedule, the expectation is that the effective date and expiration of each Service Delivery Schedule shall be coterminous with the Fiscal Year of the Parties.

The Chief Executive Officer and the Director may approve Service Delivery Schedules to share additional Services if the Service Cost will not exceed \$50,000 in a Fiscal Year, or otherwise with the approval of the Board and the Board of Water Commissioners. Any existing Service Delivery Schedule may be terminated other than by its terms, modified or extended by: (a) mutual agreement of the Chief Executive Officer and the Director if the Chief Executive

Officer and the Director reasonably believe that the modified service arrangement will not result in an increase in the cost of acquiring such Service in excess of the greater of \$50,000 or 10% of the annual Service Cost, including any applicable Separation Costs; or (b) otherwise by approval of the Board and the Board of Water Commissioners. At least quarterly, the Chief Executive Officer shall provide to the Board and the Director shall provide to the Board of Water Commissioners a report including any modifications, extensions and terminations of existing Service Delivery Schedules.

**2.4 Compliance with Procurement Policies and Procedures.** The procurement of Services pursuant to this Agreement by a Subscribing Party is not subject to the procurement policies and procedures of the Parties. In the event a Subscribing Party requires a Service from a Performing Party hereunder on an “as needed” basis, it may request such Service pursuant to this Agreement and the applicable Service Delivery Schedule according to the procedures agreed to by the Chief Executive Officer and the Director notwithstanding any procurement policies or procedures of the Subscribing Party then in effect.

**2.5 Fuel.** If permitted by any applicable purchase agreements between the Department and its supplier of fuel, the Authority may purchase fuel from the Department at Department facilities shared by the Parties. The Authority shall ensure that a system that is compatible with the Department’s Asset Works system is installed on all of its vehicles to ensure all fuel purchases are recorded and transmitted to the Department. The Department shall invoice the Authority on a monthly basis for all fuel purchased by the Authority.

### **ARTICLE 3 STANDARDS OF PERFORMANCE; COOPERATION**

**3.1 Standard of Performance.** A Performing Party shall endeavor to perform, or cause to be performed, all Services required under this Agreement in compliance with Prudent Utility Practices, but shall in no event perform the Services at a level of service below the Performance Standards. The Parties shall endeavor to establish reasonable safeguards and internal controls to ensure the fiscal integrity of the operations and fiscal management of each Party with respect to the Services, including conducting criminal and credit background checks of each employee with access to any cash, information technology systems, or other assets of either Party.

#### **3.2 Cooperation of Parties**

(a) The Parties shall cooperate reasonably with each other in connection with any steps required to be taken as part of their respective obligations under this Agreement, the Water Lease, the Sewer Lease, the Water and Sewer Services Agreement, permits or any Applicable Laws, including the development of the capital improvement plans of each Party, financial planning and debt management, and shall (i) furnish upon request to each other such information, data and records, including maps, which are reasonably accessible and would not cause a Performing Party to violate the terms of any agreement to which it is subject at the time of the request or which are required to be disclosed pursuant to any agreements or Applicable Laws; (ii) execute and deliver to each other such other documents; (iii) provide such witness testimony, documents, records and other services or information within the possession or control of each

Party necessary or desirable for the proper prosecution and/or defense of any current or future litigation affecting either Party, and (iv) do such other acts and things, all as the other Party may reasonably request that is necessary or convenient to effectuate the purposes of this Agreement and the transactions contemplated hereby.

(b) The Director, the City and the Chief Executive Officer or their designees shall initially meet weekly or at such other interval as they shall reasonably agree or as specified in a particular Service Delivery Schedule, to review data, information and processes relevant to the provision of Services and any other issues arising out of this Agreement. Such meetings shall include a review of Service delivery, potential Invoice Disputes as known, anticipated Service Delivery Schedule requests, including modifications, extensions or potential amendments, and any other issues relevant to this Agreement.

(c) In the event the performance of a Service is going to be assumed by a Subscribing Party, the Parties and their employees shall reasonably cooperate and provide information and training to each other in order to ensure the seamless transfer of knowledge with respect to that Service.

(d) When necessary or desirable, the Parties shall jointly develop operational protocols with respect to specific Services.

(e) The City shall maintain a record and be the repository of all easements and other real property interests acquired by the Authority during the term of the Water Lease and the Sewer Lease. The Authority shall provide all original documents memorializing such easements and other real property interests to the City. The City shall take all actions necessary to record or otherwise perfect its interest in all easements or other real property interests acquired by it or the Authority during the term of the Water Lease and the Sewer Lease. The City shall provide the Authority access to and copies of any easements and other real property interests necessary for the performance of its rights and duties under this Agreement, the Water Lease, the Sewer Lease and the Water and Sewer Services Agreement.

#### **ARTICLE 4 ORGANIZATIONAL DEVELOPMENT AND TRAINING**

**4.1 Training Programs and Courses.** Each Party shall periodically provide to the other Party a catalog of training programs and courses to be offered, either by the Party itself or by a third party, to the employees thereof. The employees of the Party that is not offering the training program or course shall have the opportunity to participate in such training program or course. The offering Party shall provide reasonable accommodations to the non-offering Party in order to ensure the availability of the training programs and offerings to the maximum number of employees of each Party, including providing sufficient advance notice of the availability and scheduling of the training program or course.

**4.2 Costs.** Each Party shall pay the actual cost of attendance and participation in the training programs and courses for its respective employees pursuant to process established under Article 5.

**ARTICLE 5**  
**INVOICES; PAYMENT TERMS; INVOICE DISPUTES**

**5.1 Invoices.** For Fiscal Year 2015-2016, the City shall pay the Authority \$4,707,608 for all Authority Services (including “as-needed” Services) and the Authority shall pay the City \$2,179,506 for all City Services (including “as-needed” Services), each in equal monthly installments. Such installments received by the Authority shall be deposited into the Authority Regional Operation and Maintenance Account of the Operation and Maintenance Fund established in the master bond ordinances for each of the Systems, and such installments received by the City shall be deposited into the Detroit Local Operation and Maintenance Account of the Operation and Maintenance Fund established in the master bond ordinances for each of the Systems. Commencing no later than July 1, 2016, each Party shall provide the other Party one monthly invoice itemized by Service Delivery Schedule for Services provided other than for “as needed” Services, which shall be invoiced pursuant to Section 5.5.

The Parties shall engage, and share the costs of, a third-party to analyze the actual Service Costs (“Cost Analysis”) of providing the City Services and the Authority Services for Fiscal Year 2015-2016 and each subsequent Fiscal Year. If, based on this Cost Analysis: (a) the costs paid by a Subscribing Party were greater than the costs of providing the Services, the Providing Party shall pay an amount equal to such cost variance to the Subscribing Party in the next Fiscal Year or as otherwise agreed to by the Parties; and (b) the costs paid by a Subscribing Party were less than the costs of providing the Services, the Subscribing Party shall pay an amount equal to such cost variance to the Providing Party in the next Fiscal Year or as otherwise agreed to by the Parties. Additionally, Service Costs will not include costs of funding the Pension Obligation (as defined in each of the Leases), but shall be addressed as part of the process of preparing budgets for the Regional Systems and Local Systems as set forth in the Water and Sewer Services Agreement.

Each invoice, whether for Services provided regularly or “as-needed,” shall itemize the costs and charges by Services provided under each Service Delivery Schedule, and shall provide sufficient detail to the Subscribing Party to identify the Services performed and the basis for the charges. A Performing Party may only charge the Service Cost for Services provided. Neither Party may set-off any amount it owes to the other Party on account of any amounts it may be owed by such Party. Contract, material and other applicable Service Costs shall be billed at the contractual rates or third-party charges therefor.

**5.2 Payment Terms.** Payments for Services shall be payable monthly. Unless otherwise specified in a Service Delivery Schedule, payment of each invoice shall be due no later than thirty (30) days after the date of delivery of the Invoice, provided however, that in the event the City has not received its current monthly disbursement of operations and maintenance operating funds from the Authority pursuant to Section 4.2(a) of the Water and Sewer Services Agreement, its payment due date shall be five (5) business days after receipt of such funds (the “Payment Terms”).

**5.3 Invoice Disputes.** In the event a Subscribing Party disputes all or a portion of the amount billed under any invoice, it shall notify the Performing Party of such dispute (an “Invoice

Dispute”) in writing within twenty (20) days of the date of receipt of the disputed invoice. Invoice Disputes shall be resolved pursuant to Section 8.1.

The Subscribing Party shall pay the undisputed amount of any invoice pursuant to the Payment Terms. If the Invoice Dispute is not resolved by the date the payment on the disputed invoice is due, the Subscribing Party shall deposit the disputed amount into an escrow account to be held for the benefit of the Performing Party until the dispute is resolved.

**5.4 Reconciliation.** Beginning with Fiscal Year 2017-2018, the Performing Party shall reasonably calculate the Service Cost required to provide each Service during the next Fiscal Year, and shall notify the Subscribing Party of that Service Cost in sufficient time for the Subscribing Party to ensure the organization’s Fiscal Year budget is sufficient to pay such Service Costs. By December 1 of each year, a Performing Party shall provide to the other Party the Service Costs for each Service it expects to provide in the next Fiscal Year.

Beginning with the Fiscal Year 2017-2018, in the event a Performing Party incurs extraordinary and unanticipated Service Costs, the Chief Executive Officer and the Director shall meet within ten (10) business days to discuss any reconciliation or adjustments to the amounts paid by the Subscribing Party to ensure the payment of the Service Costs.

**5.5 “As-needed” and other Hourly Services.** Commencing no later than July 1, 2016, for Services provided on an “as-needed” basis, the Performing Party shall exercise its best efforts to provide invoices within thirty (30) days after the end of each month for such Services performed during the immediately preceding month, with such invoices clearly marked as final if all “as needed” Services have been completed or marked as open if the “as needed” Services are still being performed. “As-needed” Services shall be billed on an hourly unit price basis, which shall be recorded and billed in quarter hour increments, comprising the Service Cost for such Services.

“As-needed” Services and other Services billed on hourly basis shall be recorded and billed in quarter hour increments, comprising the following Service Cost elements: salaries and fringe benefits; provided that, such hourly unit price shall be based on the annualized productive hours for the class of employee being billed. This amount shall be subject to the annual Cost Analysis reconciliation of Section 5.1.

## **ARTICLE 6 REPRESENTATIONS, WARRANTIES AND COVENANTS**

**6.1 City.** The City hereby represents, warrants and covenants that:

(a) All necessary permissions, approvals, reviews, or any other forms of acquiescence necessary to authorize the City to enter into this Agreement and perform the City Services have been obtained and conducted.

(b) To the extent permitted by law, the City shall use commercially reasonable efforts to provide all information within its control requested by the Authority to the Authority necessary to effectuate the purposes of this Agreement.

(c) The City shall use its best efforts to take commercially reasonable actions to minimize the cost of Services to be provided by the City.

**6.2 The Authority.** The Authority hereby represents, warrants and covenants that:

(a) All necessary permissions, approvals, reviews, and any other forms of acquiescence necessary to authorize the Authority to enter into this Agreement and perform the Authority Services have been obtained and conducted.

(b) To the extent permitted by law, the Authority shall use commercially reasonable efforts to provide all information within its control requested by the City to the City necessary to effectuate the purposes of this Agreement.

(c) The Authority shall use its best efforts to take commercially reasonable actions to minimize the cost of Services to be provided by the Authority hereunder.

## **ARTICLE 7 DEFAULTS; REMEDIES**

**7.1 Default by a Performing Party.** A Performing Party shall be in default under this Agreement if it fails to perform any of the Services required of it hereunder in accordance with the Performance Standards after it has received thirty (30) days' notice of such default, provided that if such failure cannot be remedied within such thirty (30) day cure period, the Performing Party shall not be in default if it commences to remedy the default within the 30 day cure period and diligently pursues the remedy to its completion pursuant to a mutually agreeable action plan and schedule agreed to by the Director and the Chief Executive Officer or their assignees.

**7.2 Default by a Subscribing Party.** A Subscribing Party shall be in default under this Agreement if it does not make the payments required, whether in whole or in part, pursuant to the Payment Terms and Section 5.3.

**7.3 Other Defaults.** Either Party shall be in default under this Agreement if it fails to fully perform and comply with any of the other terms, conditions or provisions of this Agreement not covered by Section 7.1 or 7.2 after it has received thirty (30) days' notice of such default, provided that if such failure cannot be remedied within such thirty (30) day cure period, the defaulting Party shall not be in default if it commits to remedy within the thirty (30) day cure period and diligently pursues the remedy to its completion pursuant to a mutually agreeable action plan and schedule agreed to by the Director and the Chief Executive Officer or their assignees.

**7.4 Remedies.**

(a) **Default by a Performing Party.** Upon default by a Performing Party, the Subscribing Party may (i) perform or cause a third party to perform such obligation of the Performing Party upon written notice to the Performing Party, and the Performing Party shall reimburse the non-defaulting Party for all reasonable increased costs incurred in such performance; and (ii) resolve the dispute pursuant to Article 8.

(b) **Default by a Subscribing Party.** Upon default by a Subscribing Party, the Performing Party may, at its sole option: (i) provide written notice to the Subscribing Party of such default; and (ii) pursue all rights and remedies available to the Performing Party under this Agreement.

(c) **Remedies for Other Defaults.** Upon default of a Party under Section 7.3, the non-defaulting Party may, at its sole option, pursue any rights and remedies available to such Party under this Agreement, including specific performance.

**7.5 Waiver.** The failure of any Party to insist in any one instance upon strict performance by the other Party of its obligations under this Agreement shall not constitute a waiver or relinquishment of any such obligations as to any other instances, and the same shall continue in full force and effect. No covenant or condition of this Agreement may be waived by either Party except by written consent of that Party, and forbearance or indulgence of that Party in any regard whatsoever and no matter how long shall not constitute a waiver of the covenant or condition until performed or waived in writing, and that Party shall be entitled to invoke any remedy available to that Party under this Agreement or by applicable law, despite the forbearance or indulgence.

## **ARTICLE 8 DISPUTE RESOLUTION**

**8.1 Disputes; Resolution.** (a) The Authority and the City shall each designate in writing to the other from time to time a representative who shall be authorized to resolve any dispute relating to the subject matter of this Agreement in an equitable manner and, unless otherwise expressly provided herein, to exercise the authority of such party to make decisions by mutual agreement.

(b) The City and the Authority each agree (i) to attempt to resolve all disputes arising hereunder promptly, equitably and in a good faith manner and (ii) to provide each other with reasonable access during normal business hours to any and all non-privileged written records, information and data pertaining to any such dispute.

(c) If any dispute relating to the subject matter of this Agreement is not resolved between the City and the Authority pursuant to this Section 8.1 within 30 days from the date on which a party provides written notice to the other party of such dispute and of the notifying party's position on the disputed matter, then upon written notification by either party to the other party, such dispute shall be settled exclusively and finally by arbitration in accordance with Section 8.2.

**8.2 Arbitration.** (a) It is specifically understood and agreed that any dispute or claim arising under or relating to this Agreement that cannot be resolved between the City and the Authority, including any matter relating to the interpretation or performance of this Agreement, shall be submitted to arbitration irrespective of either the magnitude thereof or the amount in dispute.

(b) Each arbitration between the City and the Authority shall be conducted pursuant to the Uniform Arbitration Act, Act No. 371, Public Acts of Michigan, 2012 ("Act 371").

(c) The arbitration shall be conducted before a panel composed of three arbitrators (the "Arbitration Panel"). Each party shall appoint an arbitrator, obtain its appointee's acceptance of such appointment and deliver written notification of such appointment and acceptance to the other party within 15 days after delivery of a notice of arbitration. The two arbitrators appointed by the City and the Authority shall jointly appoint the third (who shall be the chairperson), obtain the acceptance of such appointment and deliver written notification of such appointment within 15 days after their appointment and acceptance.

(d) Any arbitration commenced hereunder shall be completed within 120 days after the appointment of the Arbitration Panel absent agreement of the City and the Authority to the contrary. The City and the Authority waive any claim to any damages in the nature of punitive, exemplary or statutory damages in excess of compensatory damages or otherwise expressly provided for herein, and the Arbitration Panel is specifically divested of any power to award such damages. The Arbitration Panel shall have the power to award injunctive or other equitable relief. All decisions of the Arbitration Panel shall be pursuant to a majority vote. Any interim or final award shall be rendered by written decision.

(e) If either the City or the Authority fails to appoint its arbitrator within 15 days after delivery of a notice of arbitration, or if the two arbitrators appointed cannot agree upon the third arbitrator within 15 days after appointment of the second arbitrator, then the required arbitrator(s) shall be appointed by the American Arbitration Association or as otherwise agreed by the City and the Authority.

(f) No arbitrator shall be a past or present employee or agent of, or consultant or counsel to, either the City or the Authority or any affiliate of either the City or the Authority.

(g) The Authority and the City shall each bear one-half of the out-of-pocket third party costs and expenses of an arbitration, including the arbitrators' fees.

**8.3 Appeals of Arbitration Awards and Decisions.** The City or the Authority may appeal an award or decision issued by the Arbitration Panel for the reasons set forth in Section 23 of Act 371 (MCL 691.1703).

**8.4 Enforcement of Arbitration Awards and Decisions.** The City or the Authority may enforce any awards or decisions of the Arbitration Panel issued under Section 8.2 pursuant to Section 22 of Act 371 (MCL 691.1702). The provisions of this Article 8 shall be the sole and exclusive remedy of the parties with respect to any claim or dispute. The City and the Authority agree not to bring, or cause to be brought, in a court of law any action, proceeding or cause of action whatsoever with respect to any such claim or dispute, other than as necessary to enforce the award or decision of the Arbitration Panel as provided in this Section 8.4.

## **ARTICLE 9 AMENDMENTS**

**9.1 Amendments.** This Agreement can be amended only by written agreement executed and approved by both Parties, as applicable; provided, that Service Delivery Schedules may be executed, modified, or terminated pursuant to the provisions of Article 2.

## ARTICLE 10

### EFFECTIVE DATE; TERM; TERMINATION OF SERVICE DELIVERY SCHEDULES

**10.1 Effective Date.** This Agreement shall become effective on the later of the date that each of the following events have occurred: (i) the approval and execution of the Agreement by the Mayor; (ii) the approval of this Agreement by the affirmative vote of a majority of members of the Authority Board and execution by the Authority; and (iii) the Water Lease and the Sewer Lease become effective.

**10.2 Term.** The term of this Agreement shall run concurrently with the terms of the Leases.

**10.3 Termination and Expiration of Service Schedules.** Either Party may terminate a Service Delivery Schedule in accordance with the terms thereof; provided that, in the event a Performing Party incurs a Separation Cost associated with the performance of the Services as a result of such termination, the terminating Party shall pay such Separation Costs as invoiced by the other Party. Further, upon the natural expiration of a Service Delivery Schedule, the Subscribing Party shall pay any Separation Costs as invoiced by the Performing Party in accordance with its terms.

## ARTICLE 11

### CONFIDENTIAL INFORMATION

**11.1 (a) Confidential Information.** "Confidential Information" means any information related to the business, personnel and operations of the Protected Party obtained by the Possessing Party, and may include but is not limited to information or data related to business affairs, customer billing and usage information, data, manuals, financial and accounting data, data and information concerning contracts, intellectual property, proprietary information and other operational information. Confidential Information shall not include: (A) any information that the Possessing Party can document: (i) was generally available to the public at the time it was received by the Possessing Party, (ii) was known to the Possessing Party, without restriction, at the time of disclosure, or (iii) was independently developed by the Possessing Party without any use of any Confidential Information; and (B) any public records subject to disclosure pursuant to Act 442, Public Acts of Michigan, 1976, as amended.

**(b) Standard of Care.** Each Party acknowledges that it may receive or have access to "Confidential Information," as that term is defined below (a "Possessing Party"), of the other Party (a "Protected Party"). A Possessing Party shall protect the Protected Party's Confidential Information with the same degree of care as the Possessing Party uses to avoid unauthorized use, disclosure, publication or dissemination of its own Confidential Information of a similar nature, but in no event, less than a reasonable degree of care. A Possessing Party shall not manipulate, modify, corrupt or otherwise change any of the Confidential Information of the Protected Party. A Possessing Party shall not disclose or otherwise make available the Protected Party's Confidential Information to any third party without the prior written consent of Protected Party; provided, however, that the Possessing Party may disclose the Confidential Information to its officers and employees who need access to the Confidential Information to perform their obligations to the Protected Party and who are themselves bound by nondisclosure obligations at

least as restrictive as those set forth in this Section 11.1. Further, the Possessing Party shall comply with all confidentiality-related guidelines, standards and law applicable to the Protected Party. The Possessing Party agrees to immediately notify the Protected Party in the event the Possessing Party becomes aware of any loss or unauthorized disclosure of the Protected Party's Confidential Information. A Possessing Party shall not utilize any Confidential Information of a Protected Party for its own benefit.

**11.2 Return of Confidential Information.** Upon expiration or termination of the applicable Service Delivery Schedule, the Possessing Party shall promptly return to the Protected Party all Confidential Information of the Protected Party and all copies, or at the Protected Party's option, the Possessing Party shall destroy the Confidential Information.

## **ARTICLE 12 MISCELLANEOUS**

**12.1 Assignment, Successors and No Third Party Rights.** Except as provided in Section 2.2, no Party may assign any of its rights or delegate any of its obligations under this Agreement without the prior written consent of the other Party. This Agreement will apply to, be binding in all respects upon and inure to the benefit of the successors and permitted assigns of the Parties. Nothing expressed or referred to in this Agreement will be construed to give any Person other than the Parties to this Agreement any legal or equitable right, remedy or claim under or with respect to this Agreement or any provision of this Agreement.

**12.2 Severability.** If any provision of this Agreement is held invalid or unenforceable by any court of competent jurisdiction, the other provisions of this Agreement will remain in full force and effect. Any provision of this Agreement held invalid or unenforceable only in part or degree will remain in full force and effect to the extent not held invalid or unenforceable.

**12.3 Governing Law.** This Agreement shall be governed by the laws of the State of Michigan.

**12.4 Entire Agreement.** This Agreement sets forth the entire agreement between the Parties and supersedes any and all prior agreements or understandings between them in any related to the subject matter of this Agreement. It is further understood and agreed that the terms and conditions of this Agreement are contractual and are not a mere recital and that there are no other agreements, understandings, contracts, or representations between the Parties in any way related to the subject matter of this Agreement, except as expressly stated in this Agreement.

**12.5 Notices.** Any and all correspondence or notices required, permitted, or provided for under this Agreement to be delivered to any Party shall be sent to that Party by first class mail. All such written notices shall be addressed to each other Party's signatory to this Agreement. All correspondence shall be considered delivered to a Party as of the date that the notice is deposited with sufficient postage with the United State Postal Service. A notice of termination shall be sent via certified mail to the address included with each Party's signature to this Agreement. Notices shall be mailed to the following addresses:

If to the Authority: Great Lakes Water Authority

735 Randolph Street  
19<sup>th</sup> Floor  
Detroit, MI 48226  
Attention: Chief Executive Officer

If to City: City of Detroit Water and Sewerage Department  
735 Randolph Street  
5<sup>th</sup> Floor  
Detroit, MI 48226  
Attention: Director

With a copy to: City of Detroit  
Office of the Mayor  
Coleman A. Young Municipal Center  
2 Woodward Ave.  
11th Floor  
Detroit, MI 48226

**12.6 Force Majeure.** Any delay or failure in the performance by either Party hereunder shall be excused if and to the extent caused by the occurrence of a Force Majeure. For purposes of this Agreement, Force Majeure shall mean a cause or event that is not reasonably foreseeable or otherwise caused by or under the control of the Party claiming Force Majeure, including acts of God, fires, floods, explosions, riots, wars, tornado, sabotage terrorism, vandalism, accident, restraint of government, governmental acts, and injunctions that prevent the claiming Party from furnishing the Services, materials or equipment, and other like events that are beyond the reasonable anticipation and control of the Party affected thereby, despite such Party's reasonable efforts to prevent, avoid, delay, or mitigate the effect of such acts, events or occurrences, and which events or the effects thereof are not attributable to a Party's failure to perform its obligations under this Agreement.

**12.7 Counterparts.** This Agreement may be executed in one or more counterparts, each of which shall be deemed to be an original and all of which together shall constitute one and the same instrument. The exchange of copies of this Amendment and of signature pages by facsimile or PDF transmission shall constitute effective execution and delivery of this Amendment as to the parties hereto and may be used in lieu of the original Amendment for all purposes. Signatures of the Parties hereto transmitted by facsimile or PDF shall be deemed to be their original signatures for all purposes.

**12.8 Binding Effect.** This Agreement shall be binding upon and inure to the benefit of the Parties hereto. No Party to this Agreement may assign its rights, nor delegate its duties other than as provided in Section 2.2, under this Agreement to any other person without obtaining the written agreement of the other Party in advance.

**12.9 Rules of Construction.** The Parties hereto agree that they have been represented by counsel during the negotiation and execution of this Agreement and, therefore, waive the application of any law, regulation, holding or rule of construction providing that ambiguities in an agreement or other document will be construed against the Party drafting such agreement or document.

**12.10 Headings.** The section titles contained in this Agreement are and shall be without substantive meaning or content of any kind whatsoever and are not a part of the agreement between the Parties hereto, except when used to reference a section. Any reference to the number of a clause, sub-clause or subsection hereof immediately followed by a reference in parenthesis to the title of the Section containing such clause, sub-clause or subsection is a reference to such clause, sub-clause or subsection and not to the entire Section; *provided, however,* that, in case of direct conflict between the reference to the title and the reference to the number of such Section, the reference to the title shall govern absent manifest error.

IN WITNESS WHEREOF, the City and Authority, by and through their duly authorized officers and representatives, have executed this Agreement as of the date first written above, pursuant to and in accordance with the Act.

**GREAT LAKES WATER AUTHORITY**

By: Robert J. Daddow

Name: Robert J. Daddow

Title: Chairperson

By: Isaiah McKinnon

Name: Isaiah McKinnon

Title: Secretary

**CITY OF DETROIT**

By: Michael E. Duggan

Name: Michael E. Duggan

Title: Mayor

**EXHIBIT A**  
**SERVICE DELIVERY SCHEDULES**

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SERVICE DELIVERY SCHEDULE INDEX

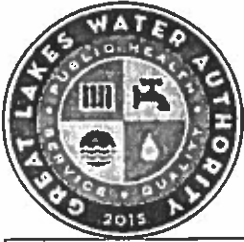


SS#	Service Description	Provider	Subscriber	Detroit to GLWA - GLWA to Detroit		AS-NEEDED SERVICE	GLWA Contact	Detroit Contact
				(\$1 Jan 1, 2016 to June 30 2016 Cost)	(\$1 Jan 1, 2016 to June 30 2016 Cost)			
OPS-001	Fleet	Detroit	GLWA		\$1,075,448		Cheryl Porter	Craig Rice
OPS-002	MISS DIG	Detroit	GLWA		\$47,450		Cheryl Porter	Palencia Mobley
OPS-003	As Needed Field Service Investigation	Detroit	GLWA		\$0	yes	Cheryl Porter	Palencia Mobley
OPS-004	Water Quality Sampling, Testing, Reporting	GLWA	Detroit	\$125,569			Cheryl Porter	Palencia Mobley
OPS-005	Security and Integrity	GLWA	Detroit	\$949,596			Barnett Jones	Gary Brown
OPS-006	Shared Facilities Shared Costs	Detroit	GLWA	\$0	\$552,982.50		Cheryl Porter	Craig Rice
OPS-007	WWTP IWC Underground Storage Tank	GLWA	Detroit	\$0			Cheryl Porter	Craig Rice
OPS-008	Systems Control Center: Detroit Only Pump Stations	GLWA	Detroit	\$696,799			Cheryl Porter	Palencia Mobley
ITS-001	Retail AMR	GLWA	Detroit	\$156,264				Dan Rainey
ITS-002	Customer Service Tech Suite	GLWA	Detroit	\$171,609				Dan Rainey
ITS-003	See Click Fix	GLWA	Detroit	\$89,543				Dan Rainey
ITS-004	WAM	GLWA	Detroit	\$493,022				Dan Rainey
ITS-005	Mobile Workforce Management	GLWA	Detroit	\$200,497				Dan Rainey
ITS-006	ESRI - Geographic Information System	GLWA	Detroit	\$345,311				Dan Rainey
ITS-007	DADS	GLWA	Detroit	\$68,565				Dan Rainey
ITS-008	Tibco	GLWA	Detroit	\$59,664				Dan Rainey
ITS-009	IT Infrastructure	GLWA	Detroit	\$1,331,714				Dan Rainey
DoIT-001	Financial Information System	Detroit	GLWA		\$288,938			Beth Niblock
DoIT-002	Radios	Detroit	GLWA		\$148,908			Beth Niblock
DoIT-003	Customer Service Technology Suite	Detroit	GLWA		\$65,780			Beth Niblock
OFCO-001	OFCO Support for Financial System	Detroit	GLWA		\$0		Nicolette Bateson	John Hill
PRO-001	Applications Analyst	GLWA	Detroit	\$19,458			Butch Johnson	Marcus Hudson
PRO-002	Material Management at CSF	Detroit	GLWA		\$0		Butch Johnson	Marcus Hudson
LS-001-A	Litigation and Joint Defense (GLWA Provider)	GLWA	Detroit	\$0		yes	Bill Wolfson	
LS-001-B	Litigation and Joint Defense (City Provider)	Detroit	GLWA		\$0	yes	Bill Wolfson	
LS-002	Environmental	GLWA	Detroit	\$0		yes	Bill Wolfson	
LS-003	Contract Drafting & Negotiations	GLWA	Detroit	\$0		yes	Bill Wolfson	
<b>Totals</b>				<b>\$ 4,707,608</b>	<b>\$ 2,179,506</b>			

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Shared Services Agreement  
Schedule  
Operations: Fleet



Shared Service Schedule #	OPS-001
Service Provider	City of Detroit / Detroit Water and Sewerage Department-Retail
Service Subscriber	Great Lakes Water Authority
Description of Service	Provider shall manage and maintain all fleet and equipment of Subscriber (including passenger vehicles, dump trucks, combination loaders and vacuum trucks, generators, portable pumps, backhoes, heavy equipment, etc.). See vehicle and equipment list.
Description of Requirements, Level of Service, Hours of Service	<p><b>Hours of Service:</b> Regular hours of service are Monday through Friday from 7:30am – 4:00pm.</p> <p>After Hours service will be available for emergency events.</p> <p><b>Initial Condition Assessment:</b> Provider, with the assistance of the City of Detroit Fleet Management Division, will assess each vehicle in the existing fleet. This assessment will include an inspection to confirm age, type, mileage and condition of equipment. By July 1, 2016, the condition assessment will be conducted, a report evaluating the condition of the fleet will be provided, and DWSD will begin tracking cost per vehicle data.</p> <p><b>On-Going Services Provided:</b></p> <ul style="list-style-type: none"> <li>• Vehicle Repair</li> <li>• Vehicle Maintenance</li> <li>• Equipment Repair</li> <li>• Equipment Maintenance</li> <li>• Vehicle Recovery (Towing Services)</li> <li>• Mobile Repair Services</li> </ul> <p><b>Level of Service (Typical):</b></p> <ul style="list-style-type: none"> <li>• Subscriber will be responsible for adhering to the preventive maintenance requirements for vehicles and equipment it uses.</li> <li>• Subscriber shall coordinate with Provider to determine schedules for performing preventive maintenance work.</li> <li>• Provider will be responsible for servicing Subscriber vehicles with Original Equipment Manufacturer (OEM) or equivalent parts.</li> <li>• Provider shall provide all repair and maintenance services in accordance with OEM and Warranty requirements.</li> <li>• Fleet and equipment will be delivered and picked up for service by Subscriber.</li> </ul>

	<ul style="list-style-type: none"> <li>Subscriber shall provide fuel usage and mileage to Provider's fleet management software by July 1, 2016 in an acceptable format</li> </ul> <p>Daily requirements will be identified in the Fleet Operational Protocols.</p>
Related Services	Provider will work with the City of Detroit to use the Asset Works software for fleet management of Subscriber vehicles and equipment, subject to Provider performing due diligence to consider alternate software that must be compatible with Asset Works.
Assumptions, Dependencies, and Requirements	N/A
Space/Location	6425 Huber
Staffing	Fleet personnel will be assigned as required to meet the requirements of this Schedule.
Duration (phasing), extensions	Initial term through 6/30/17 with automatic annual renewal, unless either party provides 1 year advance written notice of non-renewal to the other party.
Cost Methodology	<p>Fixed Fee: Beginning in Fiscal Year January 2016-June 2017, the Subscriber will be charged based on the anticipated allocation of the fleet and equipment to be serviced by the Provider using data collected during Fiscal Year 2016.</p> <p>Methodology Phase 1: The Fleet Shared Service Agreement cost was based upon the 2015-2016 approved budget cost centers Fleet and Facilities and Fleet Operations. This cost includes labor, fringe benefits, contractual services, supplies, repairs &amp; maintenance, and other direct costs.</p> <ol style="list-style-type: none"> <li>1. Because the costs for both Fleet and Facilities were included in cost center for Fleet and Facilities, a bifurcation method was developed to split the costs to their respective cost centers. The allocation was based on the number of FTE's anticipated in the budget for both Subscriber and Provider and associated as many direct costs that could be specifically identified. (66% Subscriber-34% Provider)</li> <li>2. The remaining costs for Fleet were then added to the Fleet Operations total cost center to include the remaining fleet operations and maintenance expenses. These costs were identified cost such as contract costs and repairs associated with fleet services.</li> <li>3. The vehicle count was determined by first identifying the vehicles allocated to either entity, then allocating "small" vehicles (passenger cars, trucks, SUV's, etc.) a count of 1 and "large" vehicles (dump trucks, vactors, loaders, etc.) a count of 2.</li> </ol>

	<p>4. The new total budgeted cost determined in "2" above was then allocated based upon the vehicle count percentage as identified in "3" above. (Subscriber 41%, Provider 59%)</p> <p>Beginning in Fiscal Year 2017-2018, the Subscriber shall be charged for services and material used on a per vehicle /per incident of work unit basis, as tracked through Asset Works. The unit price shall include all parts and bulk oils, fluids, and fuel (if applicable). The work order management system shall also track wrench hours on work orders for Subscriber. Subscriber will be invoiced monthly for services provided by Provider.</p> <p><u>Third Party Costs, Management:</u> The cost for all third party services and management will be included in the fixed fee monthly reimbursement noted above for Fiscal Year 2015-2016. However, if an extraordinary or unforeseen condition is presented then actual costs would be billed in addition to the monthly costs.</p> <p><u>Equipment Rental:</u> For equipment that Subscriber does not customarily use or have in its fleet, Subscriber may rent equipment from Provider at the rates published in the Michigan Department of Transportation Report 375 as updated annually for Jan 1-Dec 31 of each year.</p> <p><u>Software License:</u> Costs will be negotiated for Asset Works when implemented.</p>
Separation Costs	<p>Separation Costs are anticipated as follows: Stranded Costs associated with the lay-off of employees, including unemployment benefits. Transition Costs associated with transferring records of the Services provided for Subscriber's fleet to Subscriber's new data/records system.</p>
Frequency of Payment (if other than monthly)	
Notice of Termination of Entire Service or Element	Either Party may terminate this schedule upon 180 days advance written notice to the other Party.
Contact for City/DWSD – R	Title: Fleet and Facilities Manager
Contact for GLWA	Title: Chief Operating Officer
List of Exhibits & Attachments	<p>Exhibit A: Cost Methodology Initial Allocation</p> <p>Exhibit B: March 2015 Vehicle Inventory as reported by Provider</p> <p>Exhibit C: MDOT Report 375 – Equipment Rental Rates, Schedule C</p>
Approved for GLWA (w/ Date):	Sue McCormick (12/9/2015)
Approved for DWSD-R (w/ Date):	Gary Brown (12/9/2015)
Effective Date:	January 1, 2016

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**EXHIBIT A**  
**COST METHODOLOGY INITIAL ALLOCATION**

Cost Allocation Calculations for OPS-001 Fleet Services

DWSD BUDGET DETAIL from Approved Budget FY 2016

GL Account	Expense Description	Fleet and	Fleet	Total Fleet &	Facilities	Fleet ONLY	
		Facilities 412421	Operations 412422	Facilities			
		FY16 Budget	FY16 Budget				
601100	Salaries-Full Time	2,788,348	-	2,788,348	948,038	1,840,310	FTE split between Fleet and Facilities. (66-34 - Fleet/Facilities)
601300	Salaries - Overtime	232,250	-	232,250	78,965	153,285	FTE split between Fleet and Facilities. (66-34 - Fleet/Facilities)
601400	Salaries-Shift Premium	6,480	-	6,480	2,203	4,277	FTE split between Fleet and Facilities. (66-34 - Fleet/Facilities)
601500	Salaries-Holiday Premium	3,300	-	3,300	1,122	2,178	FTE split between Fleet and Facilities. (66-34 - Fleet/Facilities)
602100	Wages- Full Time	-	-	-	-	-	FTE split between Fleet and Facilities. (66-34 - Fleet/Facilities)
602300	Wages- Overtime	717,000	-	717,000	243,780	473,220	FTE split between Fleet and Facilities. (66-34 - Fleet/Facilities)
602400	Wages- Shift Premium	21,400	-	21,400	7,276	14,124	FTE split between Fleet and Facilities. (66-34 - Fleet/Facilities)
602500	Wages- Holiday Premium	5,200	-	5,200	1,768	3,432	FTE split between Fleet and Facilities. (66-34 - Fleet/Facilities)
603100	Emp Benefits-Pensions	160,330	-	160,330	54,512	105,818	FTE split between Fleet and Facilities. (66-34 - Fleet/Facilities)
603101	Emp Benefits- Pension-UAAL	-	-	-	-	-	FTE split between Fleet and Facilities. (66-34 - Fleet/Facilities)
603120	Non Actuarial	-	-	-	-	-	FTE split between Fleet and Facilities. (66-34 - Fleet/Facilities)
603200	Emp Benefits-Hospitalization	489,466	-	489,466	166,418	323,048	FTE split between Fleet and Facilities. (66-34 - Fleet/Facilities)
603220	Empl Ben-Hosp General Retiree	-	-	-	-	-	FTE split between Fleet and Facilities. (66-34 - Fleet/Facilities)
603300	Emp Benefits-Social Security	213,309	-	213,309	72,525	140,784	FTE split between Fleet and Facilities. (66-34 - Fleet/Facilities)
603400	Unemployment	12,366	-	12,366	4,204	8,162	FTE split between Fleet and Facilities. (66-34 - Fleet/Facilities)
603405	Workers' Compensation	101,384	-	101,384	34,471	66,913	FTE split between Fleet and Facilities. (66-34 - Fleet/Facilities)
603900	Emp Benefits-Miscellaneous	2,136	-	2,136	726	1,410	FTE split between Fleet and Facilities. (66-34 - Fleet/Facilities)
604100	Other Comp-Unused Sick Leave	91,682	-	91,682	31,172	60,510	FTE split between Fleet and Facilities. (66-34 - Fleet/Facilities)
604200	Other Comp-Longevity	-	-	-	-	-	FTE split between Fleet and Facilities. (66-34 - Fleet/Facilities)
605100	Group Life Insurance	10,388	-	10,388	3,532	6,856	FTE split between Fleet and Facilities. (66-34 - Fleet/Facilities)
605200	Eye Care Premium	-	-	-	-	-	FTE split between Fleet and Facilities. (66-34 - Fleet/Facilities)
605205	Eye Care-Active Civilian	4,830	-	4,830	1,642	3,188	FTE split between Fleet and Facilities. (66-34 - Fleet/Facilities)
605210	Eye Care-Retired Civilian	-	-	-	-	-	FTE split between Fleet and Facilities. (66-34 - Fleet/Facilities)
605700	Health Care Reserve	55,767	-	55,767	18,961	36,806	FTE split between Fleet and Facilities. (66-34 - Fleet/Facilities)
605415	Service Death	-	-	-	-	-	FTE split between Fleet and Facilities. (66-34 - Fleet/Facilities)
605500	Income Protection	2,166	-	2,166	736	1,430	FTE split between Fleet and Facilities. (66-34 - Fleet/Facilities)
605620	Dental Active	42,399	-	42,399	14,416	27,983	FTE split between Fleet and Facilities. (66-34 - Fleet/Facilities)
605640	Dental Retired	-	-	-	-	-	FTE split between Fleet and Facilities. (66-34 - Fleet/Facilities)
611200	Auditing	-	-	-	-	-	
613100	Legal	-	-	-	-	-	
616100	Consultant Fees Mgt Consult	-	-	-	-	-	
617200	Contract Scv-Bldg Maint-Misc	-	-	-	-	-	
617400	Contract Services-Info Tech	-	-	-	-	-	
617900	Contract Svcs-Other-Misc	8,837,558	472,000	9,309,558	8,829,558	480,000	Specific Expenses Identified and Split
617903	Pers Servs Contract-Pd On P/R	-	-	-	-	-	
620100	Office Supplies	-	4,500	4,500	-	4,500	Specific Expenses Identified and Split
621100	Oper Supplies-Medical	-	-	-	-	-	
621300	Oper Supplies-Automotive	-	100,000	100,000	-	100,000	Specific Expenses Identified and Split
621400	Oper Supplies-Janitorial	-	-	-	-	-	
621500	Oper Supplies-Fuel	-	324,000	324,000	-	324,000	Specific Expenses Identified and Split
621600	Operating Supplies-Chemicals	-	3,800	3,800	-	3,800	Specific Expenses Identified and Split
621900	Oper Supplies-Miscellaneous	-	8,300	8,300	-	8,300	Specific Expenses Identified and Split
622100	Repairs & Maint-Automotive	-	880,000	880,000	-	880,000	Specific Expenses Identified and Split
622200	Repairs & Maint Bldgs&Ground	256,000	-	256,000	256,000	-	Specific Expenses Identified and Split
622300	Repairs & Maint-Equipment	-	172,000	172,000	-	172,000	Specific Expenses Identified and Split
622301	Hardware Maintenance	-	-	-	-	-	
622302	Software Maintenance	-	-	-	-	-	
622400	Repairs & Maint Facilities	848,800	23,200	872,000	848,800	23,200	Specific Expenses Identified and Split
622900	Repairs & Maint-Misc	-	-	-	-	-	
623100	Uniforms, Laundry, Cleaning	-	-	-	-	-	
626010	Advertising	-	-	-	-	-	
626100	Printing	-	-	-	-	-	
626300	Insurance Premium	-	-	-	-	-	
626310	Insurance- Other	-	-	-	-	-	
626400	Rentals- Buildings	120,000	-	120,000	120,000	-	Specific Expenses Identified and Split
626410	Rentals- Computers	-	-	-	-	-	
626415	Rentals- Office Equipment	-	-	-	-	-	
626430	Rentals- Miscellaneous	-	-	-	-	-	
626500	Dues & Miscellaneous	5,000	6,000	11,000	5,000	6,000	Specific Expenses Identified and Split
626600	Postage	-	-	-	-	-	
626700	Telecommunications	-	-	-	-	-	
626702	Data Com Equip	-	-	-	-	-	
626800	Utilities	-	-	-	-	-	
626801	Utilities-Water	-	-	-	-	-	
626802	Utilities-Gas	-	-	-	-	-	
626803	Utilities-Steam	-	-	-	-	-	
626804	Utilities-Electricity	-	-	-	-	-	
626805	Utilities-Sewage	-	-	-	-	-	
626806	Utilities-Pld Electricity	-	-	-	-	-	
627105	Private Car Reimbursements	-	-	-	-	-	
627110	Purchased Services - Other	-	-	-	-	-	
627135	Pur Svcs-Law Dept	-	-	-	-	-	
627140	Pur Svcs-Staff Services	-	-	-	-	-	
627175	Pur Svcs-Personnel	-	-	-	-	-	
627186	Pur Svcs-Apprentice	-	-	-	-	-	
627195	Employee Uniform Expense	-	-	-	-	-	
627225	Other Oper Svc-Miscellaneous	-	-	-	-	-	
627230	Employee Parking	-	-	-	-	-	
627255	Photographic Service	-	-	-	-	-	
628100	Travel	-	-	-	-	-	
628200	Training	-	-	-	-	-	
628208	Training Tuition Reimbursement	-	-	-	-	-	
628500	Miscellaneous Expense	-	-	-	-	-	

DWSO BUDGET DETAIL from Approved Budget FY 2016

Cost Center Description	Fleet and Facilities 412421	Fleet Operations 412422	Total Fleet & Facilities	Facilities	Fleet ONLY	Specific Expenses Identified and Split
628501 Misc-Licence,Insp&Permit Fees	15,000	10,000	25,000	15,000	10,000	
628508 Violation Penalties	-	-	-	-	-	
	-	-	-	-	-	
	-	-	-	-	-	
<b>Total GROSS Budget</b>	<b>15,042,559</b>	<b>2,003,800</b>	<b>17,046,359</b>	<b>11,760,827</b>	<b>5,285,533</b>	

**Step 4**

**Step 5**

41%	2,150,895	GLWA Portion of Total
59%	3,134,638	OWSDR Portion of Total
	179,241	Monthly Expense for GLWA for Shared Service



Cost Center	Division	Placement Classification	Staff BUDGET "FTE"	Facilities	Fleet
412421	Fleet and Facilities	Maintenance Technician	1	1	
412421	Fleet and Facilities	Special Project Technician	0.5	0.5	
412421	Fleet and Facilities	Maintenance Technician	1	1	
412421	Fleet and Facilities	Maintenance Technician	1	1	
412421	Fleet and Facilities	Special Project Technician	0.5	0.5	
412421	Fleet and Facilities	Maintenance Technician	1	1	
412421	Fleet and Facilities	Automotive Fleet Technician	1		1
412421	Fleet and Facilities	Maintenance Technician	1	1	
412421	Fleet and Facilities	Maintenance Technician	1	1	
412421	Fleet and Facilities	Special Project Technician	0.5	0.5	
412421	Fleet and Facilities	Automotive Fleet Technician	1		1
412421	Fleet and Facilities	Automotive Fleet Technician	1		1
			60.5	20.5	40

34%	66%
% Facilities FTE	% Fleet FTE

**STEP 1**

### Cost Allocation Calculations for OPS-001 Fleet Services

#### Vehicle Equivalent Allocation

Class	GLWA	DWSDR	Total	GLWA	DWSDR
VAN	158	154	312	51%	49%
SUV	29	8	37	78%	22%
DUMP	8	31	39	21%	79%
EXCAVATOR	0	10	10	0%	100%
LOADER	0	13	13	0%	100%
PICK-UP	60	43	103	58%	42%
STAKE	6	8	14	43%	57%
STEP VAN	6	40	46	13%	87%
SWEEPER	4	1	5	80%	20%
TANKER	1	1	2	50%	50%
UTILITY	28	45	73	38%	62%
VACUUM LOADER	3	22	25	12%	88%
CAR	16	7	23	70%	30%
TOW	0	5	5	0%	100%
PACKER	1	0	1	100%	0%
UTV	4	0	4	100%	0%
MADVAC	1	0	1	100%	0%
DUMP	0	4	4	0%	100%
TRACTOR	0	1	1	0%	100%
	325	393	718		

Small = 1; Large = 2	GLWA	DWSDR	
1	158	154	
1	29	8	
2	16	62	
2	0	20	
2	0	26	
1	60	43	
2	12	16	
2	12	80	
2	8	2	
2	2	2	
2	56	90	
2	6	44	
1	16	7	
2	0	0	Excluded due to use for Fleet Service
2	2	0	
2	8	0	
2	2	0	
2	0	8	
2	0	2	
	387	564	951 Total Vehicle Equivalents
	41%	59%	% of Vehicle Equivalents
	GLWA	DWSDR	

**STEP 3**

**EXHIBIT B**  
**MARCH 2015 VEHICLE INVENTORY AS REPORTED BY PROVIDER**

Vehicle or Equipment #	Year	Make or Type	Model	Class	Class Type	VIN/Serial #	Miles	Location Assigned	License	Division Assigned	Condition	GLWA/DWSDR
380922	2009	FORD	E-150	VAN	CARGO	1FTNE14W19DA00588	14319	CSF	06BX072	ADMIN	GOOD	GLWA
371000	2010	FORD	ESCAPE	SUV	PASSENGER	1FMCU9C76AKC13650	47853	MOB	020X450	ADMIN	EXCELLENT	GLWA
371002	2010	FORD	ESCAPE	SUV	PASSENGER	1FMCU9C76AKC13647	38341	MOB	020X480	ADMIN	EXCELLENT	GLWA
520064	2000	VOLVO	WG64	DUMP	12 YARD	4V5JC8HE21N311671	86079	CENTRAL	019X959	FIELD SERV	POOR	DWSDR
520073	2000	VOLVO	WG64	DUMP	12 YARD	4V5JC8HE71N311679	87642	CENTRAL	020X393	FIELD SERV	GOOD	DWSDR
CE13095	2013	JOHN DEERE	35-D	EXCAVATOR	TRACK	1FF035DXKCG270978	N/A	CENTRAL	N/A	FIELD SERV	EXCELLENT	DWSDR
CE13098	2013	JOHN DEERE	35-D	EXCAVATOR	TRACK	1FF035DXKCG270981	N/A	CENTRAL	N/A	FIELD SERV	EXCELLENT	DWSDR
CE14095	2014	JOHN DEERE	35-D	EXCAVATOR	TRACK	1FF035DXLGC271345	N/A	CENTRAL	N/A	FIELD SERV	EXCELLENT	DWSDR
CE14176	2014	CATEPILLAR	420E-JT	LOADER	BACKHOE	0JWJ02077 = ID#8109	N/A	CENTRAL	N/A	FIELD SERV	EXCELLENT	DWSDR
CE05175	2005	CATERPILLAR	924 G	LOADER	FRONT END	DDA01614	N/A	CENTRAL	N/A	FIELD SERV	GOOD	DWSDR
350835	2008	FORD	F-250	PICK-UP	CARGO	1FTSF20R38EE54307	57328	CENTRAL	019X988	FIELD SERV	GOOD	DWSDR
350981	2009	FORD	F-350	PICK-UP	CARGO	1FTW30R69E808714	37904	CENTRAL	020X527	FIELD SERV	GOOD	DWSDR
351185	2011	FORD	F-350	PICK-UP	CARGO	1FTRF3AT9BE841655	68210	CENTRAL	019X980	FIELD SERV	EXCELLENT	DWSDR
360098	2000	FORD	F-550	STAKE	COMPRESSOR	1FDXF46F6YEE57051	11509	CENTRAL	019X867	FIELD SERV	GOOD	DWSDR
360600	2006	FORD	F-750	STAKE	PLATE TRUCK	3FRXF75P06V379290	34029	CENTRAL	019X866	FIELD SERV	GOOD	DWSDR
360771	2007	FORD	F-750	STAKE	DELIVERY	3FRXF75N37V502693	13011	CENTRAL	020X287	FIELD SERV	GOOD	DWSDR
369742	1997	FORD	F-800	STAKE	PIPE	1FDXF80C6VVA39347	13680	CENTRAL	019X908	FIELD SERV	GOOD	DWSDR
861200	2012	FRGHTLINER	M2-106	STAKE	PLATE	1FVACY8S2CHBP7929	15777	CENTRAL	020X066	FIELD SERV	EXCELLENT	DWSDR
830102	2001	FRGHTLINER	MT45	STEP VAN	LEAK TRUCK	1UZAAPBW81CH90805	43580	CENTRAL	019X896	FIELD SERV	GOOD	DWSDR
830123	2001	FRGHTLINER	MT45	STEP VAN	LEAK TRUCK	4UJZZP8W51CH90826	54530	CENTRAL	019X958	FIELD SERV	GOOD	DWSDR
839902	1999	FRGHTLINER	MT45	STEP VAN	LEAK TRUCK	4UZA4FAD7XC33732	114953	CENTRAL	019X892	FIELD SERV	POOR	DWSDR
839910	1999	FRGHTLINER	MT45	STEP VAN	LEAK TRUCK	4UZA4FAD3XC833744	55036	CENTRAL	020X186	FIELD SERV	POOR	DWSDR
891285	2012	ELGIN	EAGLE	SWEEPER	STREET	1FVACXD7XCHBP1389	3661	CENTRAL	020X046	FIELD SERV	EXCELLENT	DWSDR
990285	2002	STERLING	LT-8500	TANKER	FUEL	2FZHAW8S22AK11499	30959	CENTRAL	020X234	FIELD SERV	GOOD	DWSDR
340684	2006	FORD	E-450	UTILITY	HYDRANT	1FDXE45P46DB43849	55971	CENTRAL	020X002	FIELD SERV	GOOD	DWSDR
371101	2011	FORD	EXPLORER	SUV	PASSENGER	1FMHK8D898GA39476	23380	MOB	020X379	ADMIN	EXCELLENT	GLWA
899960	1999	FRGHTLINER	FL-112	TRUCK	15 YARD	1FVXTEDB2YHBS3675	50563	CENTRAL	020X229	FIELD SERV	GOOD	DWSDR
691063	2010	INT'L	7500	TRUCK	15 YARD	1HTMMAAL6AH182247	23587	CENTRAL	020X386	FIELD SERV	GOOD	DWSDR
990159	2001	STERLING	L-7500	TRUCK	15 YARD	2FZHATAK71AH30727	67425	CENTRAL	020X079	FIELD SERV	ATBS	DWSDR
990760	2007	STERLING	L-7500	TRUCK	15 YARD	2FZHATDC07AW65391	48169	CENTRAL	020X399	FIELD SERV	GOOD	DWSDR
590190	2001	VOLVO	WG64	TRUCK	PRESS VAC	4V5JC8HE61N314749	8853	CENTRAL	019X926	FIELD SERV	GOOD	DWSDR
380701	2007	FORD	E-150	VAN	CARGO	1FTNE14W67DB28032	90904	CENTRAL	020X440	FIELD SERV	GOOD	DWSDR
380711	2007	FORD	E-150	VAN	CARGO	1FTNE14W87DB28033	78748	CENTRAL	020X465	FIELD SERV	GOOD	DWSDR
380721	2007	FORD	E-150	VAN	CARGO	1FTNE14W97DB39204	4834.2	CENTRAL	020X666	FIELD SERV	GOOD	DWSDR
380725	2007	FORD	E-150	VAN	CARGO	1FTNE14W17DB39214	75080	CENTRAL	020X670	FIELD SERV	GOOD	DWSDR
380729	2007	FORD	E-150	VAN	CARGO	1FTNE14W67DB39208	49040	CENTRAL	020X576	FIELD SERV	GOOD	DWSDR
380730	2007	FORD	E-150	VAN	CARGO	1FTNE14W67DB39211	73824	CENTRAL	020X675	FIELD SERV	GOOD	DWSDR
340990	2009	FORD	E-450	UTILITY	HIGH BACK	1FDXE45P79DA78547	54530	CSF	068X145	COMM	GOOD	GLWA
380915	2009	FORD	E-150	VAN	CARGO	1FTNE14W29DA00583	67428	CENTRAL	068X054	FIELD SERV	GOOD	DWSDR

Vehicle or Equipment #	Year	Make or Type	Model	Class	Class Type	VIN/serial #	Miles	Location		License	Division Assigned	Condition	GLWA/DWSDR
								Assigned	Assigned				
380940	2009	FORD	E-150	VAN	CARGO	1FTNE14W69DA93754	44297	CENTRAL	CENTRAL	020X241	FIELD SERV	GOOD	DWSDR
380946	2009	FORD	E-150	VAN	CARGO	1FTNE14W09DA93765	27206	CENTRAL	CENTRAL	019X886	FIELD SERV	GOOD	DWSDR
381271	2011	FORD	E-350	VAN	CARGO	1FTSE3EL58DB16563	15106	CENTRAL	CENTRAL	020X606	FIELD SERV	EXCELLENT	DWSDR
381278	2012	FORD	E-350	VAN	CARGO	1FTSE3EL98DB16548	19395	CENTRAL	CENTRAL	020X013	FIELD SERV	EXCELLENT	DWSDR
381277	2012	FORD	E-350	VAN	CARGO	1FTSE3EL88DB15231	22459	CENTRAL	CENTRAL	019X904	FIELD SERV	EXCELLENT	DWSDR
381192	2011	FORD	E-350	VAN	CARGO	1FTSE3EL58DB15235	23310	CENTRAL	CENTRAL	020X142	FIELD SERV	EXCELLENT	DWSDR
381283	2012	FORD	E-350	VAN	CARGO	1FTSE3EL58DB16546	24735	CENTRAL	CENTRAL	020X043	FIELD SERV	EXCELLENT	DWSDR
381003	2010	FORD	TRANSIT	VAN	CARGO	NM0L56BN8AT041301	114355	CENTRAL	CENTRAL	020X124	FIELD SERV	EXCELLENT	DWSDR
381062	2010	FORD	E-150	VAN	CARGO	1FTNE1EW6ADA54178	49996	CENTRAL	CENTRAL	020X061	FIELD SERV	EXCELLENT	DWSDR
380968	2009	FORD	E-350	VAN	CARGO	1FTSE34P69DA93776	24872	CENTRAL	CENTRAL	020X387	FIELD SERV	GOOD	DWSDR
381193	2011	FORD	E-350	VAN	CARGO	1FTSE3EL68DB15230	25521	CENTRAL	CENTRAL	020X171	FIELD SERV	EXCELLENT	DWSDR
381280	2012	FORD	E-350	VAN	CARGO	1FTSE3EL18DB16544	30940	CENTRAL	CENTRAL	020X024	FIELD SERV	EXCELLENT	DWSDR
341195	2011	FORD	F-450	UTILITY	HIGH BACK	1FD0W4GT98EB32794	50881	CSF	CSF	020X360	COMM	EXCELLENT	GLWA
381209	2009	FORD	TRANSIT	VAN	CARGO	NM0L57DN2CT109176	32280	CENTRAL	CENTRAL	019X801	FIELD SERV	EXCELLENT	DWSDR
381185	2011	FORD	E-350	VAN	CARGO	1FTSE3EL18DB15233	31087	CENTRAL	CENTRAL	019X821	FIELD SERV	EXCELLENT	DWSDR
381188	2011	FORD	E-350	VAN	CARGO	1FTSE3EL28DB15225	33307	CENTRAL	CENTRAL	019X987	FIELD SERV	EXCELLENT	DWSDR
381272	2011	FORD	E-350	VAN	CARGO	1FTSE3EL28DB16567	38108	EAST	EAST	019X812	FIELD SERV	EXCELLENT	DWSDR
300702	2007	FORD	FOCUS	CAR	PASSENGER	1FAHP34N57W121500	51820	CENTRAL	CENTRAL	019X977	FIELD SERV	GOOD	DWSDR
300704	2007	FORD	FOCUS	CAR	PASSENGER	1FAHP34N97W121502	84522	CENTRAL	CENTRAL	019X938	FIELD SERV	GOOD	DWSDR
300706	2007	FORD	FOCUS	CAR	PASSENGER	1FAHP34N27W121504	67549	CENTRAL	CENTRAL	020X332	FIELD SERV	GOOD	DWSDR
120113	2001	CHEVROLET	C-8500	DUMP	5 YARD	1GBPH7HC17J502604	19373	CENTRAL	CENTRAL	019X874	FIELD SERV	GOOD	DWSDR
129916	1999	CHEVROLET	KODIAK	DUMP	5 YARD	1GBM7H1C4XJ102916	71808	CENTRAL	CENTRAL	020X573	FIELD SERV	GOOD	DWSDR
199711	1999	CHEVROLET	C-8500	DUMP	BOOM	1GB77H4J6VJ100359	71689	CENTRAL	CENTRAL	020X363	FIELD SERV	GOOD	DWSDR
320712	2007	FORD	F-750	DUMP	5 YARD	3FRXF75P07V490133	65890	CENTRAL	CENTRAL	019X820	FIELD SERV	GOOD	DWSDR
221262	2012	MACK	GU-813	DUMP	14 YARD	1M2AX16C5DM021184	13775	CENTRAL	CENTRAL	020X698	FIELD SERV	EXCELLENT	DWSDR
221469	2014	MACK	GU 813	DUMP	14 YARD	1M2AX16CXEM023689	13359	CENTRAL	CENTRAL	019X902	FIELD SERV	EXCELLENT	DWSDR
221471	2014	MACK	GU 813	DUMP	14 YARD	1M2AX16C2EM023685	112724	CENTRAL	CENTRAL	019X933	FIELD SERV	EXCELLENT	DWSDR
350681	2006	FORD	F-350	PICK-UP	CARGO	1FTWF32P66EA02495	56634	CENTRAL	CENTRAL	019X891	FIELD SERV	GOOD	DWSDR
350785	2007	FORD	F-350	PICK-UP	CARGO	1FTWF30P37EB16054	57676	CENTRAL	CENTRAL	020X118	FIELD SERV	GOOD	DWSDR
350789	2009	FORD	F-350	PICK-UP	CARGO	1FTWF30P07EB16058	44720	CENTRAL	CENTRAL	020X119	FIELD SERV	GOOD	DWSDR
350790	2007	FORD	F-350	PICK-UP	CARGO	1FTWF30P27EB16059	44659	CENTRAL	CENTRAL	020X084	FIELD SERV	GOOD	DWSDR
350834	2008	FORD	F-250	PICK-UP	CARGO	1FT5F20R08ED08950	35682	CENTRAL	CENTRAL	020X380	FIELD SERV	GOOD	DWSDR
350836	2008	FORD	F-250	PICK-UP	CARGO	1FT5F20RX8EE54305	35653	CENTRAL	CENTRAL	020X240	FIELD SERV	GOOD	DWSDR
149980	1999	CHEVROLET	GMT 400	UTILITY	HIGH BACK	1GBKC34F4XF073113	17963	CENTRAL	CENTRAL	019X868	FIELD SERV	GOOD	DWSDR
199940	1999	CHEVROLET	C-6500	UTILITY	RODDER	1GB77H4C7XJ103436	11424	CENTRAL	CENTRAL	019X831	FIELD SERV	GOOD	DWSDR
340861	2008	FORD	F-450	UTILITY	HYDRANT	1FDXF46R78EE17961	61741	CENTRAL	CENTRAL	020X168	FIELD SERV	GOOD	DWSDR
340864	2008	FORD	F-450	UTILITY	HYDRANT	1FDXF46RX8EE54311	99231	CENTRAL	CENTRAL	020X033	FIELD SERV	GOOD	DWSDR
340987	2009	FORD	E-450	UTILITY	HIGH BACK	1FDXE45F79DA78547	46741	CENTRAL	CENTRAL	068X142	FIELD SERV	GOOD	DWSDR
341261	2012	FORD	F-550	UTILITY	BOX TRUCK	1FD0X5GT5CEA66667	33792	CENTRAL	CENTRAL	020X158	FIELD SERV	EXCELLENT	DWSDR

Vehicle or Equipment #	Year	Make or Type	Model	Class	Class Type	VIN/Serial #	Miles	Location Assigned	License	Division Assigned	Condition	GLWA/DWSDR
341196	2011	FORD	F-450	UTILITY	HIGH BACK	1FD0W4GT48EB32797	28767	CSF	020X396	COMM	EXCELLENT	GLWA
341269	2012	FORD	F-550	UTILITY	BOX TRUCK	1FDDX5GT8CEA82040	29386	CENTRAL	019X906	FIELD SERV	EXCELLENT	DWSDR
641196	2011	INT'L	7500	UTILITY	LEAK TRUCK	1HTWKAAR3BJ340024	24463	CENTRAL	020X529	FIELD SERV	EXCELLENT	DWSDR
641496	2014	INT'L	7500	UTILITY	LEAK TRUCK	1HTWKAAR3BJ340024	3140	CENTRAL	019X826	FIELD SERV	EXCELLENT	DWSDR
319858	1998	FORD	LUB WAGO	VAN	PASSENGER	1FBSS31FXWHA01590	3946	CENTRAL	020X016	FIELD SERV	GOOD	DWSDR
381004	2010	FORD	TRANSIT	VAN	CARGO	NM0LS6BN3AT041304	25502	CENTRAL	020X081	FIELD SERV	EXCELENT	DWSDR
381009	2010	FORD	TRANSIT	VAN	CARGO	NM0LS6BN2AT041309	35566	CENTRAL	020x178	FIELD SERV	EXCELENT	DWSDR
381059	2010	FORD	E-150	VAN	CARGO	1FTNE1EW8AD454179	26417	CENTRAL	019X974	FIELD SERV	EXCELENT	DWSDR
381063	2010	FORD	E-150	VAN	CARGO	1FTNE1EWXAD454183	35426	CENTRAL	020X070	FIELD SERV	EXCELENT	DWSDR
381106	2011	FORD	TRANSIT	VAN	CARGO	NM0LS6AN7B044855	37503	CENTRAL	020X362	FIELD SERV	EXCELENT	DWSDR
381154	2011	FORD	E-150	VAN	CARGO	1FTNE1EW8BDA01712	43761	CENTRAL	020X090	FIELD SERV	EXCELENT	DWSDR
381179	2011	FORD	E-350	VAN	CARGO	1FTSE3EL7BDB16550	40077	CENTRAL	019X984	FIELD SERV	EXCELENT	DWSDR
380924	2009	FORD	E-150	VAN	CARGO	1FTNE14W59DA00576	27892	CSF	068X075	COMM	GOOD	GLWA
381173	2011	FORD	E-350	VAN	CARGO	1FTSE3EL8DB16539	42149	WEST	020X247	FIELD SERV	EXCELENT	DWSDR
381217	2012	FORD	TRANSIT	VAN	CARGO	NM0LS7DN9CT109983	3812	CENTRAL	020X333	FIELD SERV	EXCELENT	DWSDR
380985	2009	FORD	E-350	VAN	CARGO	1FTSE34P59DA00603	43760	NORTH	068X048	FIELD SERV	GOOD	DWSDR
381186	2011	FORD	E-350	VAN	CARGO	1FTSE3EL08DB16566	45788	NORTH	019X844	FIELD SERV	EXCELENT	DWSDR
300903	2009	FORD	FOCUS	CAR	PASSENGER	1FAHP35N39W116300	30010	CSF	020X217	FIELD SERV	GOOD	DWSDR
129917	1999	CHEVROLET	C-70	DUMP	5 YARD	1GBM7H1CSX102956	45999	CSF	020X657	FIELD SERV	GOOD	DWSDR
381115	2011	FORD	TRANSIT	VAN	CARGO	NM0LS6AN2B044844	11802	CSF	020X138	COMM	EXCELENT	GLWA
320602	2006	FORD	F-550	DUMP	3 YARD	1FDAW57P76ED19597	47357	CSF	020X651	FIELD SERV	GOOD	DWSDR
CE95095	1995	JOHN DEERE	595D	EXCAVATOR	TRACK	709618	N/A	CSF	N/A	FIELD SERV	GOOD	DWSDR
CE13175	2013	CATERPILLAR	279-D	LOADER	SKID	GTLO0449	602.2	CSF	N/A	FIELD SERV	GOOD	DWSDR
381150	2011	FORD	E-150	VAN	CARGO	1FTNE1EW4BDA01707	22820	CSF	020X023	COMM	EXCELENT	GLWA
340997	2009	FORD	F-450	UTILITY	HIGH BACK	1FDAW46RX9EA98109	57361	CSF	068X141	FIELD SERV	GOOD	DWSDR
350500	2005	FORD	F-150	PICK-UP	CARGO	1FTRF12W05NA04427	28259	CSF	020X122	FIELD SERV	GOOD	DWSDR
381180	2011	FORD	E-350	VAN	CARGO	1FTSE3EL3BDB15234	35470	CSF	020X134	COMM	EXCELENT	GLWA
350611	2006	FORD	F-150	PICK-UP	CARGO	1FTRF12W86NB24669	38511	CSF	020X123	FIELD SERV	GOOD	DWSDR
381206	2012	FORD	TRANSIT	VAN	PASSENGER	NM0KS9BN7CT083314	32974	CSF	020X301	COMM	EXCELENT	GLWA
350886	2008	FORD	F-350	PICK-UP	SERVICE	1FTWF31R08EE48941	51962	CSF	020X204	FACILITIES	GOOD	GLWA
350786	2007	FORD	F-350	PICK-UP	CARGO	1FTWF30P57EB16055	633	CSF	020X121	FIELD SERV	GOOD	DWSDR
351181	2011	FORD	F-350	PICK-UP	CARGO	1FTBF3BTX8EA68697	22991	CSF	019X901	FACILITIES	GOOD	GLWA
350816	2008	FORD	F-150	PICK-UP	CARGO	1FTRF12238KF07596	19541	CSF	020X190	FIELD SERV	GOOD	DWSDR
350883	2008	FORD	F-350	PICK-UP	CARGO	1FTWF30R98ED17430	47917	CSF	020X594	FIELD SERV	GOOD	DWSDR
350884	2008	FORD	F-350	PICK-UP	SERVICE	1FTWF31R88ED69601	13641	CSF	019X957	FIELD SERV	GOOD	DWSDR
350885	2005	FORD	F-350	PICK-UP	SERVICE	1FTWF31RX8ED69602	23306	CSF	020X544	FIELD SERV	GOOD	DWSDR
370910	2009	FORD	ESCAPE	SUV	PASSENGER	1FMCU92789KC45805	53080	CSF	020X012	FACILITIES	EXCELLENT	GLWA
350931	2009	FORD	F-250	PICK-UP	CARGO	1FTSF20RX9EB08711	35540	CSF	020X307	COMM	GOOD	DWSDR
350939	2009	FORD	F-250	PICK-UP	CARGO	1FTSF20R19EB08712	67743	CSF	020X185	FIELD SERV	GOOD	DWSDR

Vehicle or Equipment #	Year	Make or Type	Model	Class	Class Type	VIN/Serial #	Miles	Location		License	Division Assigned	Condition	GLWA/DWSDR
								Assigned	Assigned				
380933	2009	FORD	E-150	VAN	CARGO	1FTNE14W49DA93770	46748	CSF	020X031	FACILITIES	GOOD	GLWA	
351183	2011	FORD	F-350	PICK-UP	SERVICE	1FTRF3AT08E841656	16192	CSF	019X911	FIELD SERV	EXCELLENT	DWSDR	
351184	2011	FORD	F-350	PICK-UP	SERVICE	1FTRF3AT78E841654	31498	CSF	020X551	FIELD SERV	EXCELLENT	DWSDR	
351187	2011	FORD	F-350	PICK-UP	CARGO	1FTRF3AT28E841657	17670	CSF	020X555	FIELD SERV	EXCELLENT	DWSDR	
351235	2012	FORD	F-250	PICK-UP	CARGO	1FTBF2AT8CEA45190	17294	CSF	019X954	FIELD SERV	EXCELLENT	DWSDR	
351237	2012	FORD	F-250	PICK-UP	CARGO	1FTBF2AT3CEA45176	16408	CSF	020X194	FIELD SERV	EXCELLENT	DWSDR	
351239	2012	FORD	F-250	PICK-UP	CARGO	1FTBF2AT3CEA45193	47284	CSF	019X800	FIELD SERV	EXCELLENT	DWSDR	
380977	2009	FORD	E-350	VAN	CARGO	1FTSE34P79DA00599	47777	CSF	020X097	FACILITIES	GOOD	GLWA	
340998	2009	FORD	F-450	UTILITY	HIGH BACK	1FDAW46R69EA98110	44796	CSF	068X140	FIELD SERV	GOOD	DWSDR	
380981	2009	FORD	E-350	VAN	CARGO	1FTSE34P49DA00611	86845	CSF	020X434	FACILITIES	GOOD	GLWA	
830114	2001	FRGHTLNER	MT45	STEP VAN	LEAK TRUCK	4UZAAPBW41CH90817	19171	CSF	020X506	FIELD SERV	GOOD	DWSDR	
830115	2001	FRGHTLNER	MT45	STEP VAN	LEAK TRUCK	4UZAAPBW61CH90818	16077	CSF	020X504	FIELD SERV	GOOD	DWSDR	
830116	2001	FRGHTLNER	MT45	STEP VAN	LEAK TRUCK	4UZAAPBW81CH90819	43349	CSF	019X808	FIELD SERV	GOOD	DWSDR	
381167	2011	FORD	E-150	VAN	CARGO	1FTNE1W08DA01705	19217	CSF	020X392	FACILITIES	EXCELLENT	GLWA	
830119	2001	FRGHTLNER	MT45	STEP VAN	LEAK TRUCK	4UZAAPBW81CH90822	58727	CSF	020X357	FIELD SERV	GOOD	DWSDR	
830120	2001	FRGHTLNER	MT45	STEP VAN	WELD TRUCK	4UZAAPBW1CH90823	19036	CSF	019X915	FIELD SERV	GOOD	DWSDR	
830122	2001	FRGHTLNER	MT45	STEP VAN	LEAK TRUCK	4UZAAPBW31CH90825	63489	CSF	020X614	FIELD SERV	GOOD	DWSDR	
351188	2011	FORD	F-350	PICK-UP	SERVICE	1FTRF3BT8E8C81758	39666	LHWTP	020X335	FACILITIES	EXCELLENT	GLWA	
340999	2009	FORD	F-450	UTILITY	HIGH BACK	1FDAW46R89EA98111	46627	CSF	068X139	FIELD SERV	GOOD	DWSDR	
341161	2011	FORD	F-450	UTILITY	HYDRANT	1FDUF4GT68EA68764	10746	CSF	020X541	FIELD SERV	EXCELLENT	DWSDR	
839836	1998	FRGHTLNER	MT45	STEP VAN	LEAK TRUCK	4UZA4FA44WC903414	71147	CSF	020X300	FIELD SERV	POOR	DWSDR	
351113	2011	FORD	F-150	PICK-UP	CARGO	1FTNF1CF08KE10640	11554	WWTP	020X308	FACILITIES	EXCELLENT	GLWA	
839908	1999	FRGHTLNER	MT45	STEP VAN	LEAK TRUCK	4UZA4FAD7XC833746	61262	CSF	019X943	FIELD SERV	POOR	DWSDR	
839914	1999	FRGHTLNER	MT45	STEP VAN	LEAK TRUCK	4UZA4FAD6XC833740	103839	CSF	020X345	FIELD SERV	POOR	DWSDR	
370802	2008	FORD	ESCAPE	SUV	PASSENGER	1FMCU9J278KD65045	57484	CSF	020X034	COMM	EXCELLENT	DWSDR	
351114	2011	FORD	F-150	PICK-UP	CARGO	1FTNF1CF28KE10638	18486	CSF	020X656	FIELD SERV	EXCELLENT	GLWA	
371013	2010	FORD	ESCAPE	SUV	PASSENGER	1FMCU9C73AKC13654	88341	CSF	020X266	FIELD SERV	EXCELLENT	DWSDR	
390080	2000	FORD	F-750	TOW	WRECKER	3FDXF75NBVMA79545	24690	CSF	020X298	FIELD SERV	EXCELLENT	DWSDR	
390880	2008	FORD	F-750	TOW	WRECKER	3FRXX75U58V079766	37413	CSF	019X960	FIELD SERV	GOOD	DWSDR	
399970	1999	FORD	F-450	TOW	WRECKER	1FDXF46FXEE76040	97728	CSF	019X959	FIELD SERV	GOOD	DWSDR	
89188	1991	FREIGHTLINER	D12-00645	TOW	WRECKER	1FVXDSY92MH510475	28822	CSF	020X027	FIELD SERV	POOR	DWSDR	
891170	2011	FRGHTLNER	M2-106	TOW	WRECKER	1FVACX8S98DAW9730	31449	CSF	020X007	FIELD SERV	EXCELLENT	DWSDR	
340989	2009	FORD	E-450	UTILITY	HIGH BACK	1FDXE45P09DA78549	39282	CENTRAL	068X144	FIELD SERV	GOOD	GLWA	
381183	2011	FORD	E-350	VAN	CARGO	1FTSE3EL6BD815227	5953	CENTRAL	020X339	FIELD SERV	EXCELLENT	GLWA	
381196	2011	FORD	E-350	VAN	CARGO	1FTSE3EL1BD816558	18356	CENTRAL	020X299	FIELD SERV	EXCELLENT	GLWA	
341293	2012	FORD	F-550	UTILITY	HYDRANT	1FD0W5GT9CEB43155	33308	CSF	020X109	FIELD SERV	EXCELLENT	DWSDR	
341294	2012	FORD	F-550	UTILITY	HYDRANT	1FD0W5GT0CEB43156	38166	CSF	020X290	FIELD SERV	EXCELLENT	DWSDR	
341268	2012	FORD	F-550	UTILITY	GATE TRUCK	1FD0X5HT7CEA82044	2696	CENTRAL	020X443	FIELD SERV	EXCELLENT	GLWA	
380989	2009	FORD	E-350	VAN	CARGO	1FTSE34P59DA00598	41890	WEST	020X099	FIELD SERV	GOOD	GLWA	

Vehicle or Equipment #	Year	Make or Type	Model	Class	Class Type	VIN/Serial #	Miles	Location		License	Division Assigned	Condition	GLWA/DWSDR
								Assigned	Assigned				
320601	2006	FORD	F-550	DUMP	3 YARD	1FDAW57P36ED19595	38365	CSF	019X861	FIELD SERV	GOOD	GLWA	
990477	2004	CRANE CARRIER	LET2-40	PACKER	TRASH	1CYCCB4854T046572	116984	CSF	020X215	FIELD SERV	GOOD	GLWA	
350082	2000	FORD	F-350	PICK-UP	CARGO	1FTWW32F7YEE39609	110434	CSF	020X181	FIELD SERV	GOOD	GLWA	
350683	2006	FORD	F-350	PICK-UP	CARGO	1FTWF30P86ED40337	75784	CSF	020X318	FIELD SERV	GOOD	GLWA	
350081	2000	FORD	F-350	PICK-UP	DELIVERY	1FTWW32F5YEE39608	31914	CSF	020X260	FIELD SERV	GOOD	DWSDR	
380672	2006	FORD	E-350	VAN	CARGO	1FTSE34P66DA87875	35008	CSF	020X498	FIELD SERV	GOOD	DWSDR	
380673	2006	FORD	E-350	VAN	CARGO	1FTSE34P86DA87876	62231	CSF	020X125	FIELD SERV	GOOD	DWSDR	
380674	2006	FORD	E-350	VAN	CARGO	1FTSE34PX6DA87877	56730	CSF	020X017	FIELD SERV	GOOD	DWSDR	
380700	2007	FORD	E-150	VAN	CARGO	1FTNE14W47DB28028	53191	CSF	020X436	FIELD SERV	GOOD	DWSDR	
351245	2012	FORD	F-250	PICK-UP	CARGO	1FTBF2AT0CEA45183	12839	CSF	098X393	FIELD SERV	EXCELLENT	GLWA	
830109	2001	FRGHTLINER	MT45	STEP VAN	LEAK TRUCK	4UZAAPBW51CH90812	65091	CSF	019X810	FIELD SERV	GOOD	GLWA	
830124	2001	FRGHTLINER	MT45	STEP VAN	SERVICE TRUCK	4UZZAAPW71CH90827	84184	CSF	019X981	FIELD SERV	GOOD	GLWA	
190585	2005	CHEVROLET	C-8500	UTILITY	SERVICE	1G8P8C1C95F50674	30950	CSF	020X026	FIELD SERV	GOOD	GLWA	
319857	1998	FORD	LUB WAGO	VAN	PASSENGER	1FBSS31F1WHA10771	25521	CSF	020X126	FIELD SERV	GOOD	DWSDR	
319860	1998	FORD	LUB WAGO	VAN	PASSENGER	1FBSS31F3WHA10592	26061	CSF	020X127	FIELD SERV	GOOD	DWSDR	
319897	1998	FORD	LUB WAGO	VAN	PASSENGER	1FBNE31F2WHC13879	44289	CSF	020X128	FIELD SERV	GOOD	DWSDR	
380473	2004	FORD	E-350	VAN	CARGO	1FTSE34P24HB53134	14322	CSF	020X111	FIELD SERV	GOOD	DWSDR	
380653	2006	FORD	E-150	VAN	CARGO	1FTRE14W66DB836065	45118	CSF	020X264	COMM	GOOD	DWSDR	
341197	2011	FORD	F-450	UTILITY	HIGH BACK	1FD0W4GT68EB32798	54974	CSF	020X227	FIELD SERV	EXCELLENT	GLWA	
380662	2006	FORD	E-150	VAN	CARGO	1FTRE14W76DB836074	79536	CSF	019X934	FIELD SERV	GOOD	DWSDR	
380663	2006	FORD	E-150	VAN	CARGO	1FTRE14W96DB836075	52992	CSF	020X342	COMM	GOOD	DWSDR	
380704	2007	FORD	E-150	VAN	CARGO	1FTNE14W97DB28025	83529	CSF	020X449	FIELD SERV	GOOD	DWSDR	
380705	2007	FORD	E-150	VAN	CARGO	1FTNE14W67DB28029	80119	CSF	020X451	FIELD SERV	GOOD	DWSDR	
380906	2009	FORD	E-150	VAN	CARGO	1FTNE14WX9DA00590	41674	CSF	068X136	FIELD SERV	GOOD	DWSDR	
380907	2009	FORD	E-150	VAN	CARGO	1FTNE14W79DA00580	47789	CSF	068X135	FIELD SERV	GOOD	DWSDR	
380702	2007	FORD	E-150	VAN	CARGO	1FTNE14W37DB28036	61090	CSF	020X444	COMM	GOOD	DWSDR	
380910	2009	FORD	E-150	VAN	CARGO	1FTNE14W59DA00593	27676	CSF	068X058	COMM	GOOD	DWSDR	
380949	2009	FORD	E-150	VAN	CARGO	1FTNE14W99DA93750	44367	CSF	020X313	FIELD SERV	GOOD	DWSDR	
380708	2007	FORD	E-150	VAN	CARGO	1FTNE14W17DB28035	50969	CSF	020X461	COMM	GOOD	DWSDR	
341162	2011	FORD	F-450	UTILITY	SERVICE	1FDUF4GT8BEA68765	12009	CSF	020X536	FIELD SERV	EXCELLENT	GLWA	
380712	2007	FORD	E-150	VAN	CARGO	1FTNE14W57DB28023	43801	CSF	020X470	COMM	GOOD	DWSDR	
380713	2007	FORD	E-150	VAN	CARGO	1FTNE14W77DB28024	48933	CSF	020X471	COMM	GOOD	DWSDR	
341198	2011	FORD	F-450	UTILITY	HIGH BACK	1FD0W4GT2BE832796	41258	CSF	020X062	FIELD SERV	EXCELLENT	GLWA	
341295	2012	FORD	F-550	UTILITY	HIGH BACK	1FD0W5GT8CEA45198	44074	CSF	098X397	FIELD SERV	EXCELLENT	GLWA	
380720	2007	FORD	E-150	VAN	CARGO	1FTNE14W47DB39207	37621	CSF	020X193	COMM	GOOD	DWSDR	
341296	2012	FORD	F-550	UTILITY	HIGH BACK	1FD0W5GT6CEA45197	25523	CSF	098X398	FIELD SERV	EXCELLENT	GLWA	
380846	2008	FORD	E-350	VAN	CARGO	1FTSE34P58DB06516	43031	CSF	019X899	FIELD SERV	GOOD	DWSDR	
380849	2008	FORD	E-350	VAN	CARGO	1FTSE34P98DB04168	23696	CSF	020X205	FIELD SERV	GOOD	DWSDR	
341297	2012	FORD	F-550	UTILITY	HIGH BACK	1FD0W5GT2CEA45195	23691	CSF	098X399	FIELD SERV	EXCELLENT	GLWA	

Vehicle or Equipment #	Year	Make or Type	Model	Class	Class Type	VIN/serial #	Miles	Location		Division	Condition	GLWA/DWSDR
								Assigned	Assigned			
341298	2012	FORD	F-550	UTILITY	HIGH BACK	1FD0W5GT0CEA45194	24466	CSF	FIELD SERV	EXCELLENT	GLWA	
380902	2009	FORD	E-150	VAN	CARGO	1FTNE14WX9DA00587	55015	CSF	COMM	GOOD	DWSDR	
380966	2009	FORD	E-350	VAN	CARGO	1FTSE34P09DA93773	29504	CSF	COMM	GOOD	DWSDR	
380982	2009	FORD	E-350	VAN	CARGO	1FTSE34P29DA00607	14485	CSF	COMM	GOOD	DWSDR	
380997	2009	FORD	E-350	VAN	CARGO	1FTSE34P09DA05448	32167	CSF	COMM	GOOD	DWSDR	
GE11810	2011	KUBOTA	TV 1100 CW	UTV	TRANSPORT	31967	N/A	CSF	FIELD SERV	EXCELLENT	GLWA	
180877	2008	CHEVROLET	3500	VAN	CARGO	1GCHG356581162841	49290	CSF	FIELD SERV	GOOD	GLWA	
380658	2006	FORD	E-150	VAN	CARGO	1FTRE14WX6DB36070	45550	CSF	FIELD SERV	GOOD	GLWA	
380710	2007	FORD	E-150	VAN	CARGO	1FTNE14W37DB28022	59810	CSF	FIELD SERV	GOOD	GLWA	
380719	2007	FORD	E-150	VAN	CARGO	1FTNE14W37DB39201	59720	CSF	FIELD SERV	GOOD	GLWA	
380923	2009	FORD	E-150	VAN	CARGO	1FTNE14W39DA00589	43454	CSF	FIELD SERV	GOOD	DWSDR	
380851	2008	FORD	E-350	VAN	CARGO	1FTSE34P38DB04165	65431	CSF	FIELD SERV	GOOD	GLWA	
380926	2009	FORD	E-150	VAN	CARGO	1FTNE14W69DA76789	52270	CSF	COMM	GOOD	DWSDR	
380927	2009	FORD	E-150	VAN	CARGO	1FTNE14W29DA76787	39944	CSF	COMM	GOOD	DWSDR	
380855	2008	FORD	E-350	VAN	CARGO	1FTSE34P78DB06517	49195	CSF	FIELD SERV	GOOD	GLWA	
380931	2009	FORD	E-150	VAN	CARGO	1FTNE14W99DA93764	18425	CSF	COMM	GOOD	DWSDR	
380932	2009	FORD	E-150	VAN	CARGO	1FTNE14W29DA93749	43469	CSF	COMM	GOOD	DWSDR	
380936	2009	FORD	E-150	VAN	CARGO	1FTNE14W49DA93753	45528	CSF	FIELD SERV	GOOD	GLWA	
380934	2009	FORD	E-150	VAN	CARGO	1FTNE14W69DA93768	36219	CSF	COMM	GOOD	DWSDR	
380937	2009	FORD	E-150	VAN	CARGO	1FTNE14W09DA93751	43212	CSF	FIELD SERV	GOOD	GLWA	
380939	2009	FORD	E-150	VAN	CARGO	1FTNE14W89DA93772	39205	CSF	FIELD SERV	GOOD	GLWA	
380957	2009	FORD	E-350	VAN	CARGO	1FTSE34P99DA93781	37760	CSF	FIELD SERV	GOOD	GLWA	
380958	2009	FORD	E-350	VAN	CARGO	1FTSE34P99DA93786	35636	CSF	FIELD SERV	GOOD	GLWA	
381000	2010	FORD	TRANSIT	VAN	CARGO	NM0LS6BN2AT041293	15941	CSF	FIELD SERV	EXCELLENT	DWSDR	
380959	2009	FORD	E-350	VAN	CARGO	1FTSE34P59DA93784	38345	CSF	FIELD SERV	GOOD	GLWA	
380961	2009	FORD	E-350	VAN	CARGO	1FTSE34P89DA93777	38149	CSF	FIELD SERV	GOOD	GLWA	
380964	2009	FORD	E-350	VAN	CARGO	1FTSE34P49DA93775	34159	CSF	FIELD SERV	GOOD	GLWA	
341299	2012	FORD	F-550	UTILITY	HIGH BACK	1FD0W5GT4CEA45196	23696	CSF	FIELD SERV	EXCELLENT	GLWA	
381109	2011	FORD	TRANSIT	VAN	CARGO	NM0LS6AN8BT044847	14581	CSF	FIELD SERV	EXCELLENT	GLWA	
381001	2010	FORD	TRANSIT	VAN	CARGO	NM0LS6BNXAT041302	30613	CSF	FIELD SERV	EXCELLENT	DWSDR	
380970	2009	FORD	E-350	VAN	CARGO	1FTSE34P79DA93785	35710	CSF	FIELD SERV	GOOD	DWSDR	
381111	2011	FORD	TRANSIT	VAN	CARGO	NM0LS6AN3BT044853	22171	CSF	FIELD SERV	EXCELLENT	GLWA	
381159	2011	FORD	E-150	VAN	CARGO	1FTNE1EW9BDA01704	24950	CSF	FIELD SERV	EXCELLENT	GLWA	
381002	2010	FORD	TRANSIT	VAN	CARGO	NM0LS6BNGAT041314	17133	CSF	FIELD SERV	EXCELLENT	DWSDR	
381166	2011	FORD	E-150	VAN	CARGO	1FTNE1EW68DA01708	19949	CSF	FIELD SERV	EXCELLENT	GLWA	
381007	2010	FORD	TRANSIT	VAN	CARGO	NM0LS6BNOAT041311	19089	CSF	FIELD SERV	EXCELLENT	DWSDR	
381008	2010	FORD	TRANSIT	VAN	CARGO	NM0LS6BNSAT041305	16685	CSF	FIELD SERV	EXCELLENT	DWSDR	
381105	2011	FORD	TRANSIT	VAN	CARGO	NM0LS6ANXBT044851	28793	CSF	FIELD SERV	EXCELLENT	DWSDR	
381174	2011	FORD	E-350	VAN	CARGO	1FTSE3E16BDB16541	37074	CSF	COMM	EXCELLENT	DWSDR	

Vehicle or Equipment #	Year	Make or Type	Model	Class	Class/Type	VIN/Serial #	Miles	Location		License	Division Assigned	Condition	GLWA/DWSDR
								Assigned	Assigned				
381005	2010	FORD	TRANSIT	VAN	CARGO	NM0LS6BN9AT041291	38540	CSF	020X131	FIELD SERV	EXCELLENT	DWSDR	
381279	2012	FORD	E-350	VAN	CARGO	1FTSE3EL08DB16549	28359	CSF	019X914	COMM	EXCELLENT	DWSDR	
630601	2006	INT'L	VORK HORS	STEP VAN	LEAK TRUCK	5B4KPD25563417826	16776	CSF	020X665	PUB AFF	GOOD	DWSDR	
381010	2010	FORD	TRANSIT	VAN	CARGO	NM0LS6BN4AT041313	29542	CSF	020X202	COMM	EXCELLENT	DWSDR	
381013	2010	FORD	TRANSIT	VAN	CARGO	NM0LS6BN6AT041295	27827	CSF	020X246	COMM	EXCELLENT	DWSDR	
381014	2010	FORD	TRANSIT	VAN	CARGO	NM0LS6BN2AT041312	22779	CSF	020X258	COMM	EXCELLENT	DWSDR	
381016	2010	FORD	TRANSIT	VAN	CARGO	NM0LS6BN1AT041298	32661	CSF	020X446	FIELD SERV	EXCELLENT	DWSDR	
381100	2011	FORD	TRANSIT	VAN	CARGO	1FTNE1EW5ADAS4172	6184	CSF	019X825	COMM	EXCELLENT	DWSDR	
381103	2011	FORD	TRANSIT	VAN	CARGO	NM0LS6AN6BT044846	19841	CSF	020X197	COMM	EXCELLENT	DWSDR	
381104	2011	FORD	TRANSIT	VAN	CARGO	NM0LS6AN4BT044845	43889	CSF	020X278	COMM	EXCELLENT	DWSDR	
381169	2011	FORD	E-150	VAN	CARGO	1FTNE1EW6BDA01711	24655	CSF	020X413	FIELD SERV	EXCELLENT	GLWA	
381107	2011	FORD	TRANSIT	VAN	CARGO	NM0LS6ANXBT044848	29023	CSF	020X265	FIELD SERV	EXCELLENT	DWSDR	
381177	2011	FORD	E-350	VAN	CARGO	1FTSE3EL8DB16542	9355	CSF	019X930	FIELD SERV	EXCELLENT	GLWA	
381110	2011	FORD	TRANSIT	VAN	CARGO	NM0LS6AN1BT044852	7094	CSF	019X971	COMM	EXCELLENT	DWSDR	
381275	2012	FORD	E-350	VAN	CARGO	1FTSE3ELX8DB16557	23603	CSF	019X900	FIELD SERV	EXCELLENT	GLWA	
381113	2011	FORD	TRANSIT	VAN	CARGO	NM0LS6AN1BT044849	12798	CSF	020X135	COMM	EXCELLENT	DWSDR	
341267	2012	FORD	F-550	UTILITY	GATE TRUCK	1FD0X5HT5CEA82043	3439	EAST	020X359	FIELD SERV	EXCELLENT	GLWA	
381149	2004	FORD	E-150	VAN	CARGO	1FTNE1EW7BDA01698	46153	CSF	019X947	COMM	EXCELLENT	DWSDR	
381015	2010	FORD	TRANSIT	VAN	CARGO	NM0LS6BN0AT041308	56587	EMT	020X403	FIELD SERV	EXCELLENT	GLWA	
381151	2011	FORD	E-150	VAN	CARGO	1FTNE1EW9BDA01699	46253	CSF	020X037	COMM	EXCELLENT	DWSDR	
381153	2011	FORD	E-150	VAN	CARGO	1FTNE1EW7BDA01703	53492	CSF	020X089	COMM	EXCELLENT	DWSDR	
381156	2011	FORD	E-150	VAN	CARGO	1FTNE1EW1BDA01714	39039	CSF	020X096	FIELD SERV	EXCELLENT	DWSDR	
N/A	N/A	TENNAL	265	SWEPPER	N/A	8027	N/A	LHWTP	N/A	FIELD SERV	POOR	GLWA	
381161	2011	FORD	E-150	VAN	CARGO	1FTNE1EW9BDA01718	34459	CSF	020X223	COMM	EXCELLENT	DWSDR	
381162	2011	FORD	E-150	VAN	CARGO	1FTNE1EW5BDA01702	46128	CSF	020X251	COMM	EXCELLENT	DWSDR	
381163	2011	FORD	E-150	VAN	CARGO	1FTNE1EW2BDA01706	32544	CSF	020X296	COMM	EXCELLENT	DWSDR	
381164	2011	FORD	E-150	VAN	CARGO	1FTNE1EW7BDA01717	35574	CSF	020X314	COMM	EXCELLENT	DWSDR	
381165	2011	FORD	E-150	VAN	CARGO	1FTNE1EW3BDA01701	40440	CSF	020X320	COMM	EXCELLENT	DWSDR	
N/A	N/A	TENNAL	265	SWEPPER	N/A	8027	N/A	LHWTP	N/A	FIELD SERV	POOR	GLWA	
300705	2007	FORD	FOCUS	CAR	PASSENGER	1FAHP34N07W121503	105018	MOB	019X952	FIELD SERV	GOOD	GLWA	
300709	2007	FORD	FOCUS	CAR	PASSENGER	1FAHP34N17W310757	88160	MOB	020X384	FIELD SERV	GOOD	GLWA	
839809	1998	FRIGHTLNER	MT45	STEP VAN	LEAK TRUCK	4UZA4FA49WC903389	44747	CSF	019X928	FIELD SERV	POOR	DWSDR	
830200	2002	FRIGHTLNER	MT45	STEP VAN	LEAK TRUCK	4UZAAPBW52CK03765	20417	CSF	020X030	FIELD SERV	GOOD	GLWA	
351236	2012	FORD	F-250	PICK-UP	CARGO	1FTBF2A15CEA45180	49053	NORTH	020X011	FIELD SERV	EXCELLENT	GLWA	
381181	2011	FORD	E-350	VAN	CARGO	1FTSE3EL7BDB15236	32230	CSF	020X630	COMM	EXCELLENT	DWSDR	
381197	2011	FORD	E-350	VAN	CARGO	1FTSE3EL9BDB15240	10740	CSF	020X192	FIELD SERV	EXCELLENT	DWSDR	
380978	2009	FORD	E-350	VAN	CARGO	1FTSE34P19DA00596	91842	NORTH	020X276	FIELD SERV	GOOD	GLWA	
381201	2012	FORD	TRANSIT	VAN	PASSENGER	NM0KS9BN9CT083315	29414	CSF	098X404	FIELD SERV	EXCELLENT	DWSDR	
381203	2012	FORD	TRANSIT	VAN	PASSENGER	NM0KS9BN3CT083312	15077	CSF	098X406	COMM	EXCELLENT	DWSDR	

Vehicle or Equipment #	Year	Make or Type	Model	Class	Class Type	VIN/Serial #	Miles	Location		Division		GLWA/DWSDR
								Assigned	Assigned	License	Assigned	
300708	2007	FORD	FOCUS	CAR	PASSENGER	1FAHP34NX7W310756	17737	CSF	FIELD SERV	020X383	GOOD	GLWA
381215	2012	FORD	TRANSIT	VAN	CARGO	NM0L57DN2CT109985	4633	CSF	COMM	020X283	EXCELLENT	DWSDR
370907	2007	FORD	ESCAPE	SUV	PASSENGER	1FMCU92799KA38355	61988	CSF	FIELD SERV	020X695	EXCELLENT	GLWA
371004	2010	FORD	ESCAPE	SUV	PASSENGER	1FMCU9C7XAKC13649	57206	CSF	FIELD SERV	020X505	EXCELLENT	GLWA
839844	1998	FRGHTLNER	MT45	STEP VAN	LEAK TRUCK	4UZA4FA41WC903385	77394	CSF	FIELD SERV	020X355	POOR	DWSDR
319859	1998	FORD	LUB WAGO	VAN	PASSENGER	1F8SS31F1WH10591	46601	POOL	FIELD SERV	020X605	GOOD	GLWA
380722	2007	FORD	E-150	VAN	CARGO	1FTNE14WX7D839213	49704	CSF	FIELD SERV	020X667	GOOD	GLWA
380917	2009	FORD	E-150	VAN	CARGO	1FTNE14W09DA00582	155493	CSF	FIELD SERV	068X056	GOOD	GLWA
380925	2009	FORD	E-150	VAN	CARGO	1FTNE14W09DA00579	18727	CSF	FIELD SERV	019X878	GOOD	GLWA
381006	2010	FORD	TRANSIT	VAN	CARGO	NM0LS6BN6AT041300	32974	CSF	FIELD SERV	020X145	EXCELLENT	GLWA
381023	2010	FORD	TRANSIT	VAN	CARGO	NM0LS6BN9AT041310	21633	CSF	FIELD SERV	020X257	EXCELLENT	GLWA
129914	1999	CHEVROLET	C-7500	DUMP	5 YARD	1GBM7H1C7XJ102912	44082	EAST	FIELD SERV	019X923	GOOD	DWSDR
129921	1999	CHEVROLET	C-SERIES	DUMP	5 YARD	1GBP7H1C8XJ103628	58277	EAST	FIELD SERV	019X921	GOOD	DWSDR
199611	1996	CHEVROLET	KODIAK	DUMP	5-7 YARD	1GBT7H4J2J102543	32807	EAST	FIELD SERV	019X917	GOOD	DWSDR
199910	1999	CHEVROLET	C-SERIES	DUMP	BOOM	1GBT7H4C7XJ103436	64607	EAST	FIELD SERV	019X918	GOOD	DWSDR
221261	2012	MACK	GU-813	DUMP	14 YARD	1M2AX16C3DM021183	15916	EAST	FIELD SERV	020X288	EXCELLENT	DWSDR
221468	2013	MACK	GU 813	DUMP	14 YARD	1M2AX16C1DM021182	2880	EAST	FIELD SERV	019X880	EXCELLENT	DWSDR
221472	2014	MACK	GU 813	DUMP	14 YARD	1M2AX16C6EM023690	2098	EAST	FIELD SERV	020X015	EXCELLENT	DWSDR
CE13096	2013	JOHN DEERE	35-D	EXCAVATOR	TRACK	1FF035DXJCG270979	N/A	EAST	FIELD SERV	N/A	EXCELLENT	DWSDR
CE14175	2014	CATEPILLAR	420E-IT	LOADER	BACKHOE	0WJ01707	928	EAST	FIELD SERV	N/A	EXCELLENT	DWSDR
350404	2004	FORD	F-250	PICK-UP	CARGO	1FTNF20P34ED65309	92617	EAST	FIELD SERV	019X907	GOOD	DWSDR
350405	2004	FORD	F-250	PICK-UP	CARGO	1FTNF20P4ED65310	59789	EAST	FIELD SERV	020X107	GOOD	DWSDR
350781	2007	FORD	F-350	PICK-UP	CARGO	1FTWF30P67E816050	56757	EAST	FIELD SERV	020X442	GOOD	DWSDR
350782	2007	FORD	F-350	PICK-UP	CARGO	1FTWF30P87E816051	38733	EAST	FIELD SERV	020X116	GOOD	DWSDR
350982	2009	FORD	F-350	PICK-UP	CARGO	1FTWF30R49E808713	59423	EAST	FIELD SERV	020X538	GOOD	DWSDR
351238	2012	FORD	F-250	PICK-UP	CARGO	1FTBF2AT1CEA45189	32331	EAST	FIELD SERV	020X321	EXCELLENT	DWSDR
169910	1999	CHEVROLET	C-8500	STAKE	BRICK LAYER	1GBP7H1C1XJ101784	31993	EAST	FIELD SERV	019X922	GOOD	DWSDR
830112	2001	FRGHTLNER	MT45	STEP VAN	LEAK TRUCK	4UZAAPBW01CH90815	48921	EAST	FIELD SERV	020X256	GOOD	DWSDR
830118	2001	FRGHTLNER	MT45	STEP VAN	CCTV TRUCK	4UZAAPBW61CH90821	41072	EAST	FIELD SERV	019X827	GOOD	DWSDR
839828	1998	FRGHTLNER	MT45	STEP VAN	LEAK TRUCK	4UZA4FA4XWC903403	56824	EAST	FIELD SERV	019X931	POOR	DWSDR
839832	1998	FRGHTLNER	MT45	STEP VAN	LEAK TRUCK	4UZA4FA49WC903411	41506	EAST	FIELD SERV	019X929	POOR	DWSDR
839904	1999	FRGHTLNER	MT45	STEP VAN	LEAK TRUCK	4UZA4FAD1XC833743	36624	EAST	FIELD SERV	918155	POOR	DWSDR
839909	1999	FRGHTLNER	MT45	STEP VAN	LEAK TRUCK	4UZA4FAD6XC833737	36211	EAST	FIELD SERV	020X029	POOR	DWSDR
149978	1999	CHEVROLET	GMT 400	UTILITY	HIGH BACK	1GBKC34F2XFO37823	28460	EAST	FIELD SERV	019X909	GOOD	DWSDR
199440	1994	CHEVROLET	C-6500	UTILITY	RODDER	1GBKC34F3R105689	44796	EAST	FIELD SERV	020X397	GOOD	DWSDR
340683	2006	FORD	E-450	UTILITY	HYDRANT	1FDXE45P26D843848	41408	EAST	FIELD SERV	020X203	GOOD	DWSDR
340761	2007	FORD	F-450	UTILITY	HYDRANT	1FDXF46P97EB22244	55919	EAST	FIELD SERV	020X607	GOOD	DWSDR
340863	2008	FORD	F-450	UTILITY	HYDRANT	1FDXF46R08EE17963	60185	EAST	FIELD SERV	020X358	GOOD	DWSDR
340985	2009	FORD	E-450	UTILITY	HIGH BACK	1FDXE45P39DA37574	46690	EAST	FIELD SERV	019X942	GOOD	DWSDR

Vehicle or Equipment #	Year	Make or Type	Model	Class	Class Type	VIN/Serial #	Miles	Location		License	Division Assigned	Condition	GLWA/DWSDR
								Assigned	Assigned				
341263	2012	FORD	F-550	UTILITY	BOX TRUCK	1FD0X5GT3CEA666666	55936	EAST		020X520	FIELD SERV	EXCELLENT	DWSDR
381273	2012	FORD	E-350	VAN	CARGO	1FTSE3EL48D815226	17708	CSF		019X840	FIELD SERV	EXCELLENT	GLWA
341270	2012	FORD	F-550	UTILITY	BOX TRUCK	1FD0X5GT1CEA82039	23464	EAST		020X166	FIELD SERV	EXCELLENT	DWSDR
341590	2015	FORD	F-550	UTILITY	HYDRANT	1FD0W5GT3FEB81498	3748	EAST		019X888	FIELD SERV	EXCELLENT	DWSDR
341592	2015	FORD	F-550	UTILITY	HYDRANT	1FD0W5GT1FEB81497	1410	EAST		019X885	FIELD SERV	EXCELLENT	DWSDR
641197	2011	INT'L	7500	UTILITY	LEAK TRUCK	1HTWKAAR1BJ340023	17374	EAST		020X494	FIELD SERV	EXCELLENT	DWSDR
641497	2014	INT'L	7500	UTILITY	LEAK TRUCK	1HTWKAAR1BJ340023	1436	EAST		019X850	FIELD SERV	EXCELLENT	DWSDR
791460	2014	KENTWORTH	1440	CUUM LOAI	15 YARD	1NKBL0XXE1413644	4679	EAST		019X837	FIELD SERV	EXCELLENT	DWSDR
791461	2014	KENTWORTH	1440	CUUM LOAI	15 YARD	1NKBL0X5E1413647	5368	EAST		019X838	FIELD SERV	EXCELLENT	DWSDR
990166	2001	STERLING	L-7500	CUUM LOAI	15 YARD	2FZHATAK41AH47369	51480	EAST		019X924	FIELD SERV	ATBS	DWSDR
990168	2001	STERLING	L-7500	CUUM LOAI	15 YARD	2FZHATAK91AH30731	53376	EAST		019X925	FIELD SERV	GOOD	DWSDR
990859	2008	STERLING	L-7500	CUUM LOAI	15 YARD	2FZHATBS98AA82407	34072	EAST		068X137	FIELD SERV	GOOD	DWSDR
380718	2007	FORD	E-150	VAN	CARGO	1FTNE14W57DB39202	49112	EAST		020X659	FIELD SERV	GOOD	DWSDR
380941	2009	FORD	E-150	VAN	CARGO	1FTNE14W19DA93760	46442	EAST		020X295	FIELD SERV	GOOD	DWSDR
380995	2009	FORD	E-350	VAN	CARGO	1FTSE34P99DA05447	46153	EAST		068X061	FIELD SERV	GOOD	DWSDR
380983	2009	FORD	E-350	VAN	CARGO	1FTSE34P19DA00601	47824	CENTRAL		020X483	FIELD SERV	GOOD	DWSDR
381176	2011	FORD	E-350	VAN	CARGO	1FTSE3EL78D816547	48205	NORTH		019X994	FIELD SERV	EXCELLENT	DWSDR
381178	2011	FORD	E-350	VAN	CARGO	1FTSE3EL08D816552	48862	NORTH		020X140	FIELD SERV	EXCELLENT	DWSDR
381116	2011	FORD	TRANSIT	VAN	CARGO	NM00LS6AN78T044841	6933	EAST		020X092	FIELD SERV	EXCELLENT	DWSDR
380984	2009	FORD	E-350	VAN	CARGO	1FTSE34P39DA00597	50650	NORTH		020X691	FIELD SERV	GOOD	DWSDR
370500	2005	FORD	EXPLORER	SUV	PASSENGER	1FMZU72KX5ZA65892	54650	EMT		020X433	FIELD SERV	EXCELLENT	DWSDR
371010	2010	FORD	ESCAPE	SUV	PASSENGER	1FMCU9C78AKC13651	70394	EMT		020X136	ADMIN	EXCELLENT	DWSDR
GE90471	1990	N/A	N/A	MADVAC	N/A	N/A	N/A	WATERWORKS		N/A	FIELD SERV	GOOD	GLWA
380651	2006	FORD	E-150	VAN	CARGO	1FTRE14W26DB36063	116754	FSB		020X482	ENGINEER	GOOD	DWSDR
380652	2006	FORD	E-150	VAN	CARGO	1FTRE14W46DB36064	78016	FSB		020X261	ENGINEER	GOOD	DWSDR
380706	2007	FORD	E-150	VAN	CARGO	1FTNE14W57DB28037	78556	FSB		020X453	ENGINEER	GOOD	DWSDR
380709	2007	FORD	E-150	VAN	CARGO	1FTNE14W47DB28031	43760	FSB		020X462	ENGINEER	GOOD	DWSDR
380850	2008	FORD	E-350	VAN	CARGO	1FTSE34P38D806515	67513	FSB		020X254	ENGINEER	GOOD	DWSDR
380852	2008	FORD	E-350	VAN	CARGO	1FTSE34P38D806513	83850	FSB		020X315	ENGINEER	GOOD	DWSDR
380854	2008	FORD	E-350	VAN	CARGO	1FTSE34P78D804167	70370	FSB		020X448	ENGINEER	GOOD	DWSDR
380908	2009	FORD	E-150	VAN	CARGO	1FTNE14W99DA00581	62386	FSB		068X067	ENGINEER	GOOD	DWSDR
380921	2009	FORD	E-150	VAN	CARGO	1FTNE14W99DA00578	61291	FSB		068X071	ENGINEER	GOOD	DWSDR
381195	2011	FORD	E-350	VAN	CARGO	1FTSE3EL18D816561	66540	WEST		020X284	FIELD SERV	EXCELLENT	GLWA
381194	2011	FORD	E-350	VAN	CARGO	1FTSE3EL28D815239	39225	WEST		020X271	FIELD SERV	EXCELLENT	GLWA
350400	2004	FORD	F-350	PICK-UP	CARGO	1FTNF20P64ED65305	24234	WWTP		020X519	FIELD SERV	GOOD	GLWA
150805	2008	CHEVROLET	1500	PICK-UP	CARGO	1GCCE14C18E182135	272556	WWTP		020X334	FIELD SERV	GOOD	GLWA
150800	2008	CHEVROLET	1500	PICK-UP	CARGO	1GCCE14C98Z147321	27399	WWTP		020X678	FIELD SERV	GOOD	GLWA
350882	2008	FORD	F-350	PICK-UP	SERVICE	1FTW30R28ED17429	29901	WWTP		020X181	FIELD SERV	GOOD	GLWA
350887	2008	FORD	F-350	PICK-UP	SERVICE	1FTW30R48EE54310	22453	WWTP		020X347	FIELD SERV	GOOD	GLWA

Vehicle or Equipment #	Year	Make or Type	Model	Class	Class Type	VIN/Serial #	Miles	Location		License	Division Assigned	Condition	GLWA/DWSDR
								Assigned	Assigned				
350938	2009	FORD	F-250	PICK-UP	SERVICE	1FTSF20R9X9EB08708	30512	WWTP	020X133	FIELD SERV	GOOD	GLWA	
381158	2011	FORD	E-150	VAN	CARGO	1FTNE1EW18DA01700	13749	WWTP	020X183	FIELD SERV	EXCELENT	GLWA	
350815	2008	FORD	F-150	PICK-UP	CARGO	1FTRF12258XE92051	44050	CSF	020X172	FINANCE	GOOD	GLWA	
381200	2011	FORD	TRANSIT	VAN	PASSENGER	NM0K59BN9CT083704	4011	CSF	098X403	FINANCE	EXCELENT	GLWA	
381216	2012	FORD	TRANSIT	VAN	CARGO	NM0L57DN4CT109986	2865	CSF	020X317	FINANCE	EXCELENT	GLWA	
381207	2012	FORD	TRANSIT	VAN	PASSENGER	NM0K59BNXCT083310	6474	MOB	020X439	FINANCE	EXCELENT	GLWA	
100804	2008	CHEVROLET	COBOLT	CAR	PASSENGER	1G1AL58F587173607	50570	PROCUREMENT	020X259	FINANCE	EXCELENT	GLWA	
351243	2012	FORD	F-250	PICK-UP	CARGO	1FTBF2AT2CEA45184	10245	WWTP	068X148	FINANCE	EXCELENT	GLWA	
361172	2011	FORD	F-750	STAKE	DELIVERY	3FRXF7J2BV377738	1447	WWTP	020X466	FINANCE	EXCELENT	GLWA	
381187	2011	FORD	E-350	VAN	CARGO	1FTSE3EL98DB16565	7687	WWTP	019X946	FINANCE	EXCELENT	GLWA	
100800	2008	CHEVROLET	COBALT	CAR	PASSENGER	1G1AL58F587173722	66572	MOB	020X088	HR	EXCELENT	GLWA	
300707	2007	FORD	FOCUS	CAR	PASSENGER	1FAHP34N87W310755	14941	MOB	020X382	HR	GOOD	GLWA	
381108	2011	FORD	TRANSIT	VAN	CARGO	NM0L56AN98T044856	30845	WWTP	020X306	HR	EXCELENT	GLWA	
380727	2007	FORD	E-150	VAN	CARGO	1FTNE14W87DB39212	21732	CSF	020X672	IT	GOOD	GLWA	
380912	2009	FORD	E-150	VAN	CARGO	1FTNE14W99DA00595	25130	CSF	068X047	IT	GOOD	GLWA	
380913	2009	FORD	E-150	VAN	CARGO	1FTNE14W49DA00570	77173	CSF	068X052	IT	GOOD	GLWA	
380916	2009	FORD	E-150	VAN	CARGO	1FTNE14W39DA00575	24667	CSF	068X055	IT	GOOD	GLWA	
380930	2009	FORD	E-150	VAN	CARGO	1FTNE14W39DA93758	26122	CSF	019X860	IT	GOOD	GLWA	
380942	2009	FORD	E-150	VAN	CARGO	1FTNE14W29DA93766	12662	CSF	020X428	IT	GOOD	GLWA	
370804	2008	FORD	ESCAPE	SUV	PASSENGER	1FMCU92208KD65047	31174	PNSS	020X150	IT	EXCELENT	GLWA	
370900	2009	FORD	ESCAPE	SUV	PASSENGER	1FMCU92769KA38359	18821	PNSS	020X447	IT	EXCELENT	GLWA	
370901	2009	FORD	ESCAPE	SUV	PASSENGER	1FMCU92729KA38357	151853	PNSS	020X328	IT	EXCELENT	GLWA	
371006	2010	FORD	ESCAPE	SUV	PASSENGER	1FMCU9C7XAKC13652	121679	PNSS	020X552	IT	EXCELENT	GLWA	
371008	2010	FORD	ESCAPE	SUV	PASSENGER	1FMCU9C77AKC13642	138707	PNSS	019X969	IT	EXCELENT	GLWA	
380918	2009	FORD	E-150	VAN	CARGO	1FTNE14W19DA00591	117328	PNSS	068X057	IT	GOOD	GLWA	
380928	2009	FORD	E-150	VAN	CARGO	1FTNE14W49DA76788	20584	PNSS	020X627	IT	GOOD	GLWA	
380943	2009	FORD	E-150	VAN	CARGO	1FTNE14W29DA93752	38673	PNSS	020X432	IT	GOOD	GLWA	
380990	2009	FORD	E-350	VAN	CARGO	1FTSE34PX9DA00600	23723	PNSS	068X065	IT	GOOD	GLWA	
380998	2009	FORD	E-350	VAN	CARGO	1FTSE34P29DA05449	33585	PNSS	068X064	IT	GOOD	GLWA	
381011	2010	FORD	TRANSIT	VAN	CARGO	NM0L56BN8AT041296	35126	PNSS	020X245	IT	EXCELENT	GLWA	
381058	2010	FORD	E-150	VAN	CARGO	1FTNE1EW9ADA54174	18278	PNSS	019X893	IT	EXCELENT	GLWA	
371007	2010	FORD	ESCAPE	SUV	PASSENGER	1FMCU9C72AKC13645	112963	SCC	019X119	IT	GOOD	GLWA	
380197	2001	FORD	E-350	VAN	TV	1FTSS34S31HA37692	20729	SCC	020X297	IT	GOOD	GLWA	
380198	2001	FORD	E-350	VAN	TV	1FTSS34S81HA30303	21796	SCC	019X992	IT	GOOD	GLWA	
380980	2009	FORD	E-350	VAN	CARGO	1FTSE34P69DA00609	67119	SCC	020X405	IT	GOOD	GLWA	
100801	2008	CHEVROLET	COBALT	CAR	PASSENGER	1G1AL58FX87173330	N/A	MOB	020X114	HR	EXCELENT	DWSDR	
381020	2010	FORD	TRANSIT	VAN	CARGO	NM0L56BNXAT041297	49930	SCC	020X521	IT	EXCELENT	GLWA	
380716	2007	FORD	E-150	VAN	CARGO	1FTNE14W27DB39206	74140	CSF	020X652	MMGT	GOOD	GLWA	
380919	2009	FORD	E-150	VAN	CARGO	1FTNE14W89DA00572	87258	CSF	068X069	MMGT	GOOD	GLWA	

Vehicle or Equipment #	Year	Make or Type	Model	Class	Class Type	VIN/serial #	Miles	Location		License	Division Assigned	Condition	GLWA/DWSDR
								Assigned	Assigned				
300900	2009	FORD	FOCUS	CAR	PASSENGER	1FAHP35N19WJ16294	67179	MOB	MOB	020X195	FIELD SERV	GOOD	DWSDR
350613	2006	FORD	F-150	PICK-UP	CARGO	1FTRF12W66NB24671	20787.3	WCW	WCW	019 X 963	MMGT	GOOD	GLWA
350614	2006	FORD	F-150	PICK-UP	CARGO	1FTRF12W86NB24672	27252	WCW	WCW	019X950	MMGT	GOOD	GLWA
371100	2011	FORD	EXPLORER	SUV	PASSENGER	1FMHK8D878GA39475	52513	MOB	MOB	020X250	ADMIN	EXCELLENT	DWSDR
380656	2006	FORD	E-150	VAN	CARGO	1FTRE14W66DB36065	32802	WCW	WCW	020X252	MMGT	GOOD	GLWA
380986	2009	FORD	E-350	VAN	CARGO	1FTSE34P39DA00602	36037	WCW	WCW	068X049	MMGT	GOOD	GLWA
369681	1996	FORD	F-450	STAKE	DELIVERY	2FDJF37F47CA58359	46891	VVWTP	VVWTP	020X649	MMGT	GOOD	GLWA
350812	2008	FORD	F-150	PICK-UP	CARGO	1FTRF12298KF07599	93167	ADMIN	ADMIN	019X978	SECURITY	GOOD	GLWA
350813	2008	FORD	F-150	PICK-UP	CARGO	1FTRF12258KF07597	127372	ADMIN	ADMIN	020X153	SECURITY	GOOD	GLWA
3811212	2012	FORD	TRANSIT	VAN	CARGO	NM0LS7DN5CT109172	17801	MOB	MOB	019X944	SECURITY	EXCELLENT	GLWA
3811219	2012	FORD	TRANSIT	VAN	CARGO	NM0LS7DN4CT109177	22583	MOB	MOB	020X374	SECURITY	EXCELLENT	GLWA
221263	2012	MACK	G813	DUMP	14 YARD	1GB6GH1C7XJ103008	17385	NORTH	NORTH	019X803	FIELD SERV	EXCELLENT	DWSDR
129911	1999	CHEVROLET	C-7500	DUMP	5 YARD	1GBM7H1C6XJ103002	30950	NORTH	NORTH	020X310	FIELD SERV	GOOD	DWSDR
129912	1999	CHEVROLET	C-SERIES	DUMP	5 YARD	1GBM7H1C1XJ102923	34600	NORTH	NORTH	020X210	FIELD SERV	GOOD	DWSDR
129915	1999	CHEVROLET	C-SERIES	DUMP	5 YARD	1GBM7H1C0XJ102914	75165	NORTH	NORTH	019X836	FIELD SERV	GOOD	DWSDR
129918	1999	CHEVROLET	C-70	DUMP	5 YARD	1GBM7H1C7XJ102926	55637	NORTH	NORTH	020X587	FIELD SERV	GOOD	DWSDR
190100	2001	CHEVROLET	C-8500	DUMP	BOOM	1GB77H4CX1J501988	32365	NORTH	NORTH	020X268	FIELD SERV	GOOD	DWSDR
320711	2007	FORD	F-750	DUMP	5 YARD	3FRXF75P97V490132	31191	NORTH	NORTH	019X834	FIELD SERV	GOOD	DWSDR
221467	2013	MACK	G813	DUMP	14 YARD	1M2AX16C8EM023688	12511	NORTH	NORTH	019X879	FIELD SERV	EXCELLENT	DWSDR
221470	2014	MACK	GU 813	DUMP	14 YARD	1M2AX16C1EM023693	8181	NORTH	NORTH	019X905	FIELD SERV	EXCELLENT	DWSDR
CE13097	2013	JOHN DEERE	35-D	EXCAVATOR	TRACK	1FF035DXPCGG270980	N/A	NORTH	NORTH	N/A	FIELD SERV	EXCELLENT	DWSDR
CE14096	2014	JOHN DEERE	35-D	EXCAVATOR	TRACK	1FF035DXHCG271346	N/A	NORTH	NORTH	N/A	FIELD SERV	EXCELLENT	DWSDR
CE01176	2001	CATERPILLAR	430D	LOADER	BACKHOE	CAT0430DCBNK00886	N/A	NORTH	NORTH	N/A	FIELD SERV	ATBS	DWSDR
CE01177	2001	CATERPILLAR	430D	LOADER	BACKHOE	CAT0430DEBNK00902	10327.2	NORTH	NORTH	N/A	FIELD SERV	ATBS	DWSDR
CE04176	2004	CATERPILLAR	430 D	LOADER	BACKHOE	BKN06513	N/A	NORTH	NORTH	N/A	FIELD SERV	GOOD	DWSDR
CE11177	2011	CATERPILLAR	420EIT RAU	LOADER	BACKHOE	CAT0420EKDAN00879	N/A	NORTH	NORTH	N/A	FIELD SERV	EXCELLENT	DWSDR
CE11214	2011	JOHN DEERE	624 K	LOADER	FRONT END	1DW624KZ7B0635637	N/A	NORTH	NORTH	N/A	FIELD SERV	GOOD	DWSDR
350581	2005	FORD	F-350	PICK-UP	DELIVERY	1FTWF30P45EA34413	19171	NORTH	NORTH	019X807	FIELD SERV	GOOD	DWSDR
350788	2007	FORD	F-350	PICK-UP	CARGO	1FTWF30P97EB16057	44824	NORTH	NORTH	020X117	FIELD SERV	GOOD	DWSDR
350933	2009	FORD	F-250	PICK-UP	CARGO	1FTSF20R69EB08706	73858	NORTH	NORTH	734593	FIELD SERV	GOOD	DWSDR
370800	2008	FORD	ESCAPE	SUV	PASSENGER	1FCU92Z78KC01858	96392	SECURITY	SECURITY	020X681	SECURITY	EXCELLENT	GLWA
830103	2001	FRIGHTLINER	MT45	STEP VAN	LEAK TRUCK	4UZAAPBW1CH90806	8321	NORTH	NORTH	019X805	FIELD SERV	GOOD	DWSDR
830104	2001	FRIGHTLINER	MT45	STEP VAN	LEAK TRUCK	4UZAAPBW11CH90807	43795	NORTH	NORTH	019X804	FIELD SERV	GOOD	DWSDR
830111	2001	FRIGHTLINER	MT45	STEP VAN	LEAK TRUCK	4UZAAPBW91CH90814	56987	NORTH	NORTH	019X806	FIELD SERV	GOOD	DWSDR
830125	2001	FRIGHTLINER	MT45	STEP VAN	LEAK TRUCK	4UZAAPBW91CH90828	58414	NORTH	NORTH	019X832	FIELD SERV	GOOD	DWSDR
839815	1998	FRIGHTLINER	MT45	STEP VAN	LEAK TRUCK	4UZA4FAA2WC903394	75493	NORTH	NORTH	019X809	FIELD SERV	POOR	DWSDR
839907	1999	FRIGHTLINER	MT45	STEP VAN	LEAK TRUCK	4UZA4FAD4XC833736	95124	NORTH	NORTH	019X842	FIELD SERV	POOR	DWSDR
839916	1999	FRIGHTLINER	MT45	STEP VAN	LEAK TRUCK	4UZA4FAD7KCB33729	47284	NORTH	NORTH	019X800	FIELD SERV	POOR	DWSDR
839917	1999	FRIGHTLINER	MT45	STEP VAN	LEAK TRUCK	4UZA4FAD2XC833735	82098	NORTH	NORTH	020X267	FIELD SERV	POOR	DWSDR

Vehicle or Equipment #		Year	Make or Type	Model	Class	Class Type	VIN/Serial #	Miles	Location Assigned	License	Division Assigned	Condition	GLWA/DWSDR
839918	FRGHTLNER	1999	MT45	STEP VAN	LEAK TRUCK	LEAK TRUCK	4UZA4FAD8XC833741	86344	NORTH	020X155	FIELD SERV	POOR	DWSDR
69936	INT'L	1998	5070	TRACTOR	SEMI	SEMI	2HSTGJXT5KC032508	44946	NORTH	020X364	FIELD SERV	GOOD	DWSDR
340862	FORD	2004	F-450	UTILITY	HYDRANT	HYDRANT	1FDXF46R98EE17962	54595	NORTH	020X343	FIELD SERV	GOOD	DWSDR
341266	FORD	2012	F-550	UTILITY	GATE TRUCK	GATE TRUCK	1FD0X5HT3CEA82042	3228	NORTH	020X083	FIELD SERV	EXCELLENT	DWSDR
341291	FORD	2012	F-550	UTILITY	HYDRANT	HYDRANT	1FDUF5GT3CEC98835	32400	NORTH	019X816	FIELD SERV	EXCELLENT	DWSDR
341591	FORD	2015	F-550	UTILITY	HYDRANT	HYDRANT	1FD0W5GT5FER81499	1790	NORTH	019X883	FIELD SERV	EXCELLENT	DWSDR
641199	INT'L	2011	7500	UTILITY	LEAK TRUCK	LEAK TRUCK	1HTWKAARSBJ340025	13587	NORTH	019X993	FIELD SERV	EXCELLENT	DWSDR
899762	FRGHTLNER	1997	FL-80	CUUM LOAI	15 YARD	15 YARD	1FVXJBB4VH726098		NORTH	019X920	FIELD SERV	ATBS	DWSDR
899765	FRGHTLNER	1997	FL-80	CUUM LOAI	15 YARD	15 YARD	1FVXJBB0VH824349	9215	NORTH	019X839	FIELD SERV	GOOD	DWSDR
899767	FRGHTLNER	1997	FL-80	CUUM LOAI	15 YARD	15 YARD	1FVXJBB7VH824350	73954	NORTH	020X216	FIELD SERV	ATBS	DWSDR
990162	STERLING	2001	L-7500	CUUM LOAI	15 YARD	15 YARD	2FZHATAK91AH48579	91532	NORTH	019X858	FIELD SERV	GOOD	DWSDR
990167	STERLING	2001	L-7500	CUUM LOAI	15 YARD	15 YARD	2FZHATAK61AH47342	64524	NORTH	019X824	FIELD SERV	ATBS	DWSDR
990761	STERLING	2007	L-7500	CUUM LOAI	15 YARD	15 YARD	2FZHATDC27AW65392	42933	NORTH	020X531	FIELD SERV	GOOD	DWSDR
990763	STERLING	2007	L-7500	CUUM LOAI	10 YARD	10 YARD	2FZACFCT77AX53109	33888.3	NORTH	019X845	FIELD SERV	GOOD	DWSDR
990860	STERLING	2008	L-7500	CUUM LOAI	15 YARD	15 YARD	2FZHAT8S08AAB2408	29529	NORTH	068X138	FIELD SERV	GOOD	DWSDR
180874	CHEVROLET	2008	3500	VAN	CARGO	CARGO	1GCHG356881148433	65642	NORTH	020X069	FIELD SERV	GOOD	DWSDR
380723	FORD	2007	E-150	VAN	CARGO	CARGO	1FTNE14W17DB39200	75080	NORTH	020X668	FIELD SERV	GOOD	DWSDR
380728	FORD	2007	E-150	VAN	CARGO	CARGO	1FTNE14W97DB39199	51719	NORTH	020X673	FIELD SERV	GOOD	DWSDR
380903	FORD	2009	E-150	VAN	CARGO	CARGO	1FTNE14W49DA00584	58167	NORTH	020X381	FIELD SERV	GOOD	DWSDR
380948	FORD	2009	E-150	VAN	CARGO	CARGO	1FTNE14W59DA93759	40750	NORTH	020X501	FIELD SERV	GOOD	DWSDR
370801	FORD	2008	ESCAPE	SUV	PASSENGER	PASSENGER	1FMCU92298KC01859	64838	SECURITY	020X682	SECURITY	GOOD	GLWA
380994	FORD	2009	E-350	VAN	CARGO	CARGO	1FTSE34P09DA05451	56686	CENTRAL	068X060	FIELD SERV	GOOD	DWSDR
380963	FORD	2009	E-350	VAN	CARGO	CARGO	1FTSE34P19DA93779	56894	CENTRAL	020X208	FIELD SERV	GOOD	DWSDR
381184	FORD	2011	E-350	VAN	CARGO	CARGO	1FTSE3EL98DB15237	57166	NORTH	020X530	FIELD SERV	EXCELENT	DWSDR
380967	FORD	2009	E-350	VAN	CARGO	CARGO	1FTSE34P39DA93783	58009	WEST	020 X 378	FIELD SERV	GOOD	DWSDR
381066	FORD	2010	E-150	VAN	CARGO	CARGO	1FTNE1EW6ADA54181	57565	NORTH	020X270	FIELD SERV	EXCELENT	DWSDR
381198	FORD	2011	E-350	VAN	CARGO	CARGO	1FTSE3EL88DB15228	61178	WEST	020X354	FIELD SERV	EXCELENT	DWSDR
380955	FORD	2009	E-350	VAN	CARGO	CARGO	1FTSE34P89DA93780	63461	EAST	019X802	FIELD SERV	GOOD	DWSDR
380999	FORD	2009	E-350	VAN	CARGO	CARGO	1FTSE34P29DA07198	63699	EAST	068X065	FIELD SERV	GOOD	DWSDR
199610	CHEVROLET	1996	KODIAK	DUMP	5-7 YARD	5-7 YARD	1GB77H4J5T1102522	39402	NORTH	019X967	FIELD SERV	GOOD	DWSDR
350406	FORD	2004	F-250	PICK-UP	DELIVERY	DELIVERY	1FTNF20P14ED65311	38168	NORTH	020X593	FIELD SERV	GOOD	DWSDR
350932	FORD	2009	F-250	PICK-UP	CARGO	CARGO	1FTSF20R99EB08702	66810	NORTH	020X020	FIELD SERV	GOOD	DWSDR
341262	FORD	2012	F-550	UTILITY	BOX TRUCK	BOX TRUCK	1FD0X5GT1CEA66665	50110	NORTH	020X517	FIELD SERV	EXCELLENT	DWSDR
641499	INT'L	2014	7500	UTILITY	LEAK TRUCK	LEAK TRUCK	1HTWKAZR8FH510654	20610	NORTH	019X881	FIELD SERV	EXCELLENT	DWSDR
380962	FORD	2009	E-350	VAN	CARGO	CARGO	1FTSE34P19DA93782	65890	CENTRAL	020X201	FIELD SERV	GOOD	DWSDR
370902	FORD	2009	ESCAPE	SUV	PASSENGER	PASSENGER	1FMCU92709KA38356	95091	SECURITY	020X169	SECURITY	EXCELLENT	GLWA
370904	FORD	2009	ESCAPE	SUV	PASSENGER	PASSENGER	1FMCU92779KA38354	113736	SECURITY	020X689	SECURITY	GOOD	GLWA
370905	FORD	2009	ESCAPE	SUV	PASSENGER	PASSENGER	1FMCU92749KA38358	130251	SECURITY	020X693	SECURITY	EXCELLENT	GLWA
370906	FORD	2009	ESCAPE	SUV	PASSENGER	PASSENGER	1FMCU92719KA38351	131726	SECURITY	020X694	SECURITY	EXCELLENT	GLWA

Vehicle or Equipment #	Year	Make or Type	Model	Class	Class/Type	VIN/Serial #	Miles	Location Assigned	License	Division Assigned	Condition	GLWA/DWSDR
371001	2010	FORD	ESCAPE	SUV	PASSENGER	1FMCU9C75AKC13655	98090	SECURITY	020X437	SECURITY	EXCELLENT	GLWA
371003	2010	FORD	ESCAPE	SUV	PASSENGER	1FMCU9C79AKC13643	88396	SECURITY	020X486	SECURITY	EXCELLENT	GLWA
380714	2007	FORD	E-150	VAN	CARGO	1FTNE14W27DB28027	127853	SECURITY	020X472	SECURITY	GOOD	GLWA
380715	2007	FORD	E-150	VAN	CARGO	1FTNE14W07DB28026	118923	SECURITY	020X473	SECURITY	GOOD	GLWA
380900	2009	FORD	E-150	VAN	CARGO	1FTNE14W79DA00594	67179	SECURITY	020X327	SECURITY	GOOD	GLWA
350811	2008	FORD	F-150	PICK-UP	CARGO	1FTRF12Z78KF07598	135634	VARIOUS	019X949	SECURITY	GOOD	GLWA
381102	2011	FORD	TRANSIT	VAN	CARGO	NM0LS6AN8BT044850	60865	WWTP	020X048	SECURITY	EXCELLENT	GLWA
350501	2005	FORD	F-150	PICK-UP	CARGO	1FTRF12W25NA04428	58971	CSF	020X481	WSO	GOOD	GLWA
830117	2001	FRGHTLINER	MT45	STEP VAN	LEAK TRUCK	4UZAAPBW41CH90820	55196	CSF	020X286	WSO	GOOD	GLWA
300700	2007	FORD	FOCUS	CAR	PASSENGER	1FAHP34N07W121498	82586	CSF	020X615	FIELD SERV	GOOD	DWSDR
341199	2011	FORD	F-450	UTILITY	HIGH BACK	1FD0W4GT08EB32795	36221	NEWTP	019X965	WSO	EXCELLENT	GLWA
350682	2006	FORD	F-350	PICK-UP	CARGO	1FTWW32P16EA02498	37682	CSF	020X455	FIELD SERV	GOOD	DWSDR
380993	2009	FORD	E-350	VAN	CARGO	1FTSE34P99DA05450	40602	CSF	068X059	WSO	GOOD	GLWA
129922	1999	CHEVROLET	C-SERIES	DUMP	5 YARD	1GBP7H1C4XJ103660	27928	LHWTP	020X417	WSO	GOOD	GLWA
371005	2010	FORD	ESCAPE	SUV	PASSENGER	1FMCU9C78AKC13648	77751	CSF	020X510	FIELD SERV	EXCELLENT	DWSDR
320600	2006	FORD	F-550	DUMP	3 YARD	1FDAW57P56E019596	37,298	LHWTP	020X411	WSO	GOOD	GLWA
380703	2007	FORD	E-150	VAN	CARGO	1FTNE14W27DB28030	58879	CSF	020X445	FIELD SERV	GOOD	DWSDR
350814	2008	FORD	F-150	PICK-UP	CARGO	1FTRF12208KE93432	23226	LHWTP	020X165	WSO	GOOD	GLWA
380844	2008	FORD	E-350	VAN	CARGO	1FTNE14W67DB39211	49379	CSF	020X641	FIELD SERV	GOOD	DWSDR
350832	2008	FORD	F-250	PICK-UP	CARGO	1FTSF20R28ED08948	30557	LHWTP	020X309	WSO	GOOD	GLWA
350935	2009	FORD	F-250	PICK-UP	CARGO	1FTSF20R89E080707	34677	LHWTP	020X072	WSO	GOOD	GLWA
380935	2009	FORD	E-150	VAN	CARGO	1FTNE14W49DA93767	58049	CSF	020X434	FIELD SERV	GOOD	DWSDR
350936	2009	FORD	F-250	PICK-UP	CARGO	1FTSF20R29EB08704	48072	LHWTP	020X105	WSO	GOOD	GLWA
381214	2012	FORD	TRANSIT	VAN	CARGO	NM0LS7DN6CT109178	58815	LHWTP	020X148	WSO	EXCELLENT	GLWA
381060	2010	FORD	E-150	VAN	CARGO	1FTNE1E4ADA54177	36231	CSF	019X976	FIELD SERV	EXCELLENT	DWSDR
381061	2010	FORD	E-150	VAN	CARGO	1FTNE1E0ADA54175	28368	CSF	020X059	FIELD SERV	EXCELLENT	DWSDR
381067	2010	FORD	E-150	VAN	CARGO	1FTNE1E5ADA54172	9705	CSF	020X336	FIELD SERV	EXCELLENT	DWSDR
381155	2011	FORD	E-150	VAN	CARGO	1FTNE1E3BDA01715	17344	CSF	020X091	FIELD SERV	EXCELLENT	DWSDR
381202	2012	FORD	TRANSIT	VAN	PASSENGER	NM0KS9BN1CT083311	5834	CSF	098X405	FIELD SERV	EXCELLENT	DWSDR
350783	2007	FORD	F-350	PICK-UP	CARGO	1FTWF30PX7EB16052	42327	NEWTP	019X966	WSO	GOOD	GLWA
GE15811	2015	KUBOTA	V1100CWLI	UTV	TRANSPORT	13823	N/A	NEWTP	N/A	WSO	EXCELLENT	GLWA
300902	2009	FORD	FOCUS	CAR	PASSENGER	1FAHP35N99W116298	76139	SCC	020X180	WSO	GOOD	GLWA
371009	2010	FORD	ESCAPE	SUV	PASSENGER	1FMCU9C74AKC13646	99801	SCC	020X035	WSO	EXCELLENT	DWSDR
340041	2000	FORD	F-350	UTILITY	HIGH BACK	1FDWW36F0YEE57049	42066	SCC	019X991	WSO	GOOD	GLWA
340682	2006	FORD	E-450	UTILITY	HYDRANT	1FDXE45P06DB843847	58195	SCC	020X071	WSO	GOOD	GLWA
340851	2008	FORD	F-450	UTILITY	HIGH BACK	1FDXW46R08EE57489	59871	SCC	020X421	WSO	GOOD	GLWA
340852	2008	FORD	F-450	UTILITY	HIGH BACK	1FDXW46R78EE57490	54406	SCC	020X022	WSO	GOOD	GLWA
340881	2008	FORD	E-450	UTILITY	HIGH BACK	1FDWE45P88DA95187	20096	SCC	020X524	WSO	GOOD	GLWA
340882	2008	FORD	E-450	UTILITY	HIGH BACK	1FDWE45P68DA95186	32839	SCC	020X588	WSO	GOOD	GLWA

Vehicle or Equipment #	Year	Make or Type	Model	Class	Class Type	VIN/Serial #	Miles	Location		Division	Condition	GLWA/DWSDR
								Assigned	Assigned			
340981	2009	FORD	E-450	UTILITY	HIGH BACK	1FDXE45P69DA37570	17574	SCC	W50	GOOD	GLWA	
340983	2009	FORD	E-450	UTILITY	HIGH BACK	1FDXE45P99DA37572	39345	SCC	W50	GOOD	GLWA	
340984	2009	FORD	E-450	UTILITY	HIGH BACK	1FDXE45P19DA37573	41373	SCC	W50	GOOD	GLWA	
340986	2009	FORD	E-450	UTILITY	HIGH BACK	1FDXE45P59DA37575	31846	SCC	W50	GOOD	GLWA	
340988	2009	FORD	E-450	UTILITY	HIGH BACK	1FDXE45P79DA78550	40647	SCC	W50	GOOD	GLWA	
340991	2009	FORD	E-450	UTILITY	HIGH BACK	1FDXE45P59DA78546	29685	SCC	FIELD SERV	GOOD	DW5DR	
180875	2008	CHEVROLET	3500	VAN	CARGO	1GCHG356881164132	80770	SCC	W50	GOOD	GLWA	
380971	2009	FORD	E-350	VAN	CARGO	1FTSE34P99DA00605	51530	SCC	W50	GOOD	GLWA	
381189	2011	FORD	E-350	VAN	CARGO	69741	62741	SCC	W50	EXCELLENT	GLWA	
381199	2011	FORD	E-350	VAN	CARGO	1FTSE3ELX8DB15229	32389	SCC	W50	EXCELLENT	GLWA	
381204	2012	FORD	TRANSIT	VAN	PASSENGER	NMOKS9B7CT083703	42013	SCC	W50	EXCELLENT	GLWA	
100803	2008	CHEVROLET	COBOLT	CAR	PASSENGER	1G1AL58F087173658	53892	SPWTP	W50	EXCELLENT	GLWA	
351244	2012	FORD	F-250	PICK-UP	CARGO	1FTBF2AT4CEA45185	3667	SPWTP	W50	EXCELLENT	GLWA	
351248	2012	FORD	F-250	PICK-UP	CARGO	1FTBF2AT6CEA45186	4510	SPWTP	W50	EXCELLENT	GLWA	
380914	2009	FORD	E-150	VAN	CARGO	1FTNE14W69DA00571	60049	SPWTP	W50	GOOD	GLWA	
381281	2012	FORD	E-350	VAN	CARGO	1FTSE3EL3BDB16545	67376	SPWTP	W50	EXCELLENT	GLWA	
340982	2009	FORD	E-450	UTILITY	HIGH BACK	1FDXE45P890E37571	19121	SWWTP	W50	GOOD	GLWA	
351186	2011	FORD	F-350	PICK-UP	CARGO	1FTRF3AT58EB41653	29174	SWWTP	W50	EXCELLENT	GLWA	
GE14810	2014	JOHN DEERE	XUV8251	UTV	TRANSPORT	1M0825G5AM081882	N/A	SWWTP	W50	GOOD	GLWA	
381065	2010	FORD	E-150	VAN	CARGO	1FNE1EW4ADA54180	23086	SWWTP	W50	EXCELLENT	GLWA	
381213	2012	FORD	TRANSIT	VAN	CARGO	NMOLS7DM7CT109982	18553	SWWTP	W50	EXCELLENT	GLWA	
370911	2009	FORD	ESCAPE	SUV	PASSENGER	1FMCV927X9KC45806	40099	SECURITY	SECURITY	EXCELLENT	DW5DR	
371011	2010	FORD	ESCAPE	SUV	PASSENGER	AFMCU9C70AKC13644	27176	WQ	W50	EXCELLENT	GLWA	
380657	2006	FORD	E-150	VAN	CARGO	1FTRE14W36DB836069	78869	WQ	W50	GOOD	GLWA	
380660	2006	FORD	E-150	VAN	CARGO	1FTRE14W36DB836072	107223	WQ	W50	GOOD	GLWA	
380707	2007	FORD	E-150	VAN	CARGO	1FTNE1EW58DA71716	77868	WQ	W50	GOOD	GLWA	
380904	2009	FORD	E-150	VAN	CARGO	1FTNE14W69DA00585	48105	WQ	W50	GOOD	GLWA	
380905	2009	FORD	E-150	VAN	CARGO	1FTNE14W89DA00586	4134	WQ	W50	GOOD	GLWA	
381191	2011	FORD	E-350	VAN	CARGO	1FTSE3EL08DB15238	9479	WQ	W50	EXCELLENT	GLWA	
300703	2007	FORD	FOCUS	CAR	PASSENGER	1FAHP34N7W121501	5116	WWWTP	W50	GOOD	GLWA	
351246	2012	FORD	F-250	PICK-UP	CARGO	1FTBF2ATXCEA45191	9040	WWWTP	W50	EXCELLENT	GLWA	
351247	2012	FORD	F-250	PICK-UP	CARGO	1FTBF2AT9CEA45179	11685	WWWTP	W50	EXCELLENT	GLWA	
160100	2001	CHEVROLET	C-8500	STAKE	PLATE	1GBR7HC1715501954	8648	WWWTP	W50	GOOD	GLWA	
381157	2011	FORD	E-150	VAN	CARGO	1FTNE1EW58DA71716	77868	WWWTP	W50	EXCELLENT	GLWA	
381160	2011	FORD	E-150	VAN	CARGO	1FTNE1EW48DA01710	64190	WWWTP	W50	EXCELLENT	GLWA	
370908	2009	FORD	ESCAPE	SUV	PASSENGER	1FMCU92739KA38352	66354	WWTP	W50	EXCELLENT	GLWA	
370909	2009	FORD	ESCAPE	SUV	PASSENGER	1FMCU92729KA38360	82073	WWTP	W50	EXCELLENT	GLWA	
350831	2008	FORD	F-250	PICK-UP	CARGO	1FTSF20R08E08947	58908.1	CSO BASINS	WWOG	GOOD	GLWA	
350937	2009	FORD	F-250	PICK-UP	CARGO	1FTSF20R09E080703	19235	CSO BASINS	WWOG	GOOD	GLWA	

Vehicle or Equipment #	Year	Make or Type	Model	Class	Class Type	VIN/Serial #	Miles	Location		License	Division Assigned	Condition	GLWA/DWSDR
								Assigned	Assigned				
351189	2011	FORD	F-350	PICK-UP	SERVICE	1TRFR3BT6BEC81757	26211.6	CSO BASINS	020X389	WWOG	EXCELLENT	GLWA	
351281	2012	FORD	F-350	PICK-UP	SERVICE	1TRFR3BT0CEB42953	14454	CSO BASINS	019X873	WWOG	EXCELLENT	GLWA	
381114	2011	FORD	TRANSIT	VAN	CARGO	NM0LS6AN9BT044842	32876	CSO BASINS	020X137	WWOG	EXCELLENT	GLWA	
381205	2012	FORD	TRANSIT	VAN	PASSENGER	NM0KS9BN3CT083309	20788	CSO BASINS	020X009	WWOG	EXCELLENT	GLWA	
221464	2013	MACK	GU 813	DUMP	14 YARD	1M2AX16C8EM023691	7470	WEST	019X803	FIELD SERV	EXCELLENT	DWSDR	
221465	2013	MACK	GU 813	DUMP	14 YARD	1M2AX16CXEM023692	5775.1	WEST	019X853	FIELD SERV	EXCELLENT	DWSDR	
221466	2013	MACK	GU 813	DUMP	14 YARD	1M2AX16C6EM023687	7838.7	WEST	019X877	FIELD SERV	EXCELLENT	DWSDR	
340661	2006	FORD	F-450	UTILITY	HYDRANT	1FDXF46P46EA99888	59307	WEST	020 X 553	FIELD SERV	GOOD	DWSDR	
129919	1999	CHEVROLET	C-70	DUMP	5 YARD	1G8M7H1C5XJ102911	N/A	WEST	020X586	FIELD SERV	ATBS	DWSDR	
129920	1999	CHEVROLET	C-70	DUMP	5 YARD	1G8P7H1C3XJ103651	63949	WEST	020X573	FIELD SERV	GOOD	DWSDR	
199710	1997	CHEVROLET	C8500	DUMP	BOOM	1GB77H416VJ100457	58987	WEST	020X585	FIELD SERV	GOOD	DWSDR	
320713	2007	FORD	F-750	DUMP	5 YARD	3FRXF75P27V490134	29322	WEST	020X577	FIELD SERV	GOOD	DWSDR	
CE08097	2008	CATERPILLAR	302.5C	EXCAVATOR	TRACKED	CAT3025CPG8803916	N/A	WEST	N/A	FIELD SERV	GOOD	DWSDR	
CE08096	2008	JOHN DEERE	JD270 ZTS	EXCAVATOR	TRACK	FF027DX224555	N/A	WEST	N/A	FIELD SERV	GOOD	DWSDR	
CE09098	2009	JOHN DEERE	JD270 ZTS	EXCAVATOR	TRACK	FF027DX255020	N/A	WEST	N/A	FIELD SERV	GOOD	DWSDR	
CE04001	2004	CATERPILLAR	938G	LOADER	FRONT END	CAT0938GARTB00838	N/A	WEST	N/A	FIELD SERV	GOOD	DWSDR	
CE04175	2004	CATERPILLAR	430 D	LOADER	BACKHOE	BNK86408	10829	WEST	020X422	FIELD SERV	GOOD	DWSDR	
CE11175	2011	CATERPILLAR	430E	LOADER	BACKHOE	CAT0430EEMX800224	N/A	WEST	N/A	FIELD SERV	GOOD	DWSDR	
CE91175	1991	JOHN DEERE	544E	LOADER	FRONT END	DW544E8529928672278	N/A	WEST	N/A	FIELD SERV	GOOD	DWSDR	
350784	2007	FORD	F-350	PICK-UP	DELIVERY	1FTWF30P07EB16058	84519	WEST	020 X 120	FIELD SERV	GOOD	DWSDR	
350787	2007	FORD	F-350	PICK-UP	SERVICE	1FTWF30P77EB16056	47967	WEST	020X115	FIELD SERV	GOOD	DWSDR	
350833	2008	FORD	F-250	PICK-UP	SERVICE	1FTSF20R48ED08949	54308	WEST	020X369	FIELD SERV	GOOD	DWSDR	
350838	2008	FORD	F-250	PICK-UP	CARGO	1FTSF20R78EE54309	50727	WEST	020X493	FIELD SERV	GOOD	DWSDR	
350934	2009	FORD	F-250	PICK-UP	CARGO	1FTSF20R89EB08710	47754	WEST	020X067	FIELD SERV	GOOD	DWSDR	
169900	1999	CHEVROLET	C-70	STAKE	PLATE	1G8P7H1C1XJ101364	142679	WEST	020X361	FIELD SERV	GOOD	DWSDR	
169909	1999	CHEVROLET	C8500	STAKE	BRICK LAYER	1G8P7H1C4XJ101665	53035	WEST	020X575	FIELD SERV	GOOD	DWSDR	
830100	2001	FRIGHTLINER	MT45	STEP VAN	LEAK TRUCK	4UZAAPBW41CH90803	53707	WEST	020X570	FIELD SERV	GOOD	DWSDR	
830106	2001	FRIGHTLINER	MT45	STEP VAN	LEAK TRUCK	4UZAAPBW51CH90809	26969	WEST	020 X 565	FIELD SERV	GOOD	DWSDR	
830107	2001	FRIGHTLINER	MT45	STEP VAN	LEAK TRUCK	4UZAAPBW11CH90810	48393.1	WEST	020X564	FIELD SERV	GOOD	DWSDR	
830108	2001	FRIGHTLINER	MT45	STEP VAN	LEAK TRUCK	4UZAAPBW31CH90811	53635	WEST	020X568	FIELD SERV	GOOD	DWSDR	
839822	1998	FRIGHTLINER	MT45	STEP VAN	LEAK TRUCK	4UZA4FA48WC903402	45673	WEST	020X562	FIELD SERV	POOR	DWSDR	
839826	1998	FRIGHTLINER	MT45	STEP VAN	LEAK TRUCK	4UZA4FA41WC903404	51347	WEST	020X563	FIELD SERV	POOR	DWSDR	
839903	1999	FRIGHTLINER	MT45	STEP VAN	LEAK TRUCK	4UZA4FAD3XC833730	39075	WEST	020X582	FIELD SERV	POOR	DWSDR	
839912	1999	FRIGHTLINER	MT45	STEP VAN	LEAK TRUCK	4UZA4FAD5XC833745	48503	WEST	020X559	FIELD SERV	ATBS	DWSDR	
839913	1999	FRIGHTLINER	MT45	STEP VAN	LEAK TRUCK	4UZA4FAD5XC833731	31899.3	WEST	019 X 897	FIELD SERV	POOR	DWSDR	
149977	1999	CHEVROLET	GMT 400	UTILITY	BOILER	1GBKC34F7X037591	38786	WEST	020X579	FIELD SERV	GOOD	DWSDR	
340865	2008	FORD	F-450	UTILITY	HYDRANT	1FDXF46R18EE54312	43758	WEST	020X269	FIELD SERV	GOOD	DWSDR	
341264	2012	FORD	F-550	UTILITY	BOX TRUCK	1FD0X5G77CEA66668	480372	WEST	020 X 663	FIELD SERV	EXCELLENT	DWSDR	
341265	2012	FORD	F-550	UTILITY	GATE TRUCK	1FD0X5HT1CEA82041	2850	WEST	020X082	FIELD SERV	EXCELLENT	DWSDR	

Vehicle or Equipment #	Year	Make or Type	Model	Class	Class/Type	VIN/Serial #	Miles	Location		Division		Condition	GLWA/DWSDR
								Assigned	Assigned	License	Assigned		
341292	2012	FORD	F-550	UTILITY	HYDRANT	1FDUF5GTCE98836	22693	WEST	FIELD SERV	019X847	EXCELLENT	DWSDR	
641198	2011	INT'L	7500	UTILITY	LEAK TRUCK	1HTWKAARXB340022	36272	WEST	FIELD SERV	019X973	EXCELLENT	DWSDR	
641498	2015	INT'L	7500	UTILITY	LEAK TRUCK	1HTWKAZR1FH510656	2434	WEST	FIELD SERV	019X884	EXCELLENT	DWSDR	
899661	1999	FREIGHTLINER	FL80	CUJUM LOAI	15 YARD	1FYXJBBZVH714791	56176.4	WEST	FIELD SERV	019X857	FAIR	DWSDR	
990169	2001	STERLING	L-7500	CUJUM LOAI	15 YARD	2FZHATAK41AH47341	57180	WEST	FIELD SERV	020X598	ATBS	DWSDR	
990163	2001	STERLING	L-7500	CUJUM LOAI	15 YARD	2FZHATAK51AG42467	69786	WEST	FIELD SERV	019X855	ATBS	DWSDR	
990762	2007	STERLING	L-7500	CUJUM LOAI	15 YARD	2FZHATDC97AY46277	49022	WEST	FIELD SERV	019X829	GOOD	DWSDR	
180876	2008	CHEVROLET	3500	VAN	CARGO	1GCHG356981163202	41843	WEST	FIELD SERV	019X846	GOOD	DWSDR	
380726	2007	FORD	E-150	VAN	CARGO	1FTNE14W47DB39210	58260	WEST	FIELD SERV	020X671	GOOD	DWSDR	
380731	2007	FORD	E-150	VAN	CARGO	1FTNE14W77DB39203	79630.3	WEST	FIELD SERV	020X676	GOOD	DWSDR	
380911	2009	FORD	E-150	VAN	CARGO	1FTNE14W79DA00577	23185.5	WEST	FIELD SERV	068X046	GOOD	DWSDR	
380929	2009	FORD	E-150	VAN	CARGO	1FTNE14W79DA93763	47185.5	WEST	FIELD SERV	019X859	GOOD	DWSDR	
300710	2007	FORD	FOCUS	CAR	PASSENGER	1FAHP34N67W310754	24877	IWC	WWOG	020X400	GOOD	GLWA	
380996	2009	FORD	E-350	VAN	CARGO	1FTSE34P49DA07199	71604	NORTH	FIELD SERV	068X062	GOOD	DWSDR	
380988	2009	FORD	E-350	VAN	CARGO	1FTSE34P49DA00608	73698.8	WEST	FIELD SERV	068X051	GOOD	DWSDR	
381152	2011	FORD	E-150	VAN	CARGO	1FTNE1EW88DA01709	45584	WEST	FIELD SERV	020X057	EXCELENT	DWSDR	
380956	2009	FORD	E-350	VAN	CARGO	1FTSE34PX9DA93778	80316	EAST	FIELD SERV	020X326	GOOD	DWSDR	
300901	2009	FORD	FOCUS	CAR	PASSENGER	1FAHP35N79W116297	22703	IWC	WWOG	020X176	GOOD	GLWA	
380979	2009	FORD	E-350	VAN	CARGO	1FTSE34P09DA00606	98739	NORTH	FIELD SERV	019X862	GOOD	DWSDR	
380853	2008	FORD	E-350	VAN	CARGO	1FTSE34P68D806511	135957	CENTRAL	FIELD SERV	020X377	GOOD	DWSDR	
381220	2012	FORD	TRANSIT	VAN	CARGO	NM0LS7DNOCT109984	13559	WEST	FIELD SERV	019X870	EXCELENT	DWSDR	
350940	2009	FORD	F-250	PICK-UP	CARGO	1FTSF20R19EB08709	10740	WEST	FIELD SERV	020X192	GOOD	DWSDR	
300904	2009	FORD	FOCUS	CAR	PASSENGER	1FAHP35N09W116299	31218	IWC	WWOG	020X220	GOOD	GLWA	
300905	2009	FORD	FOCUS	CAR	PASSENGER	1FAHP35N59W116296	36607.3	IWC	WWOG	020X230	GOOD	GLWA	
300906	2009	FORD	FOCUS	CAR	PASSENGER	1FAHP35N39W116295	26462	IWC	WWOG	020X289	GOOD	GLWA	
370903	2009	FORD	ESCAPE	SUV	PASSENGER	1FMCU92759KA38353	136,410	IWC	WWOG	020X686	FAIR	GLWA	
370912	2009	FORD	ESCAPE	SUV	PASSENGER	1FMCU92789KC56299	32846	IWC	WWOG	019X953	EXCELLENT	GLWA	
371012	2010	FORD	ESCAPE	SUV	PASSENGER	1FMCU9C71AKC13653	13704	IWC	WWOG	020X225	EXCELLENT	GLWA	
180871	2008	CHEVROLET	3500	VAN	CARGO	1GCHG356881151445	58457	IWC	WWOG	020X054	GOOD	GLWA	
180872	2008	CHEVROLET	3500	VAN	CARGO	1GCHG356381151286	68976	IWC	WWOG	020X056	GOOD	GLWA	
380671	2006	FORD	E-350	VAN	CARGO	1FTSE34P46DA87874	74998	IWC	WWOG	020X239	GOOD	GLWA	
380841	2008	FORD	E-350	VAN	CARGO	1FTSE34P78D804170	79462.2	IWC	WWOG	019 X 841	GOOD	GLWA	
380842	2008	FORD	E-350	VAN	CARGO	1FTSE34P98D806518	55874	IWC	WWOG	020 X 053	GOOD	GLWA	
380843	2008	FORD	E-350	VAN	CARGO	1FTSE34P88D806512	79679	IWC	WWOG	020X539	GOOD	GLWA	
380847	2008	FORD	E-350	VAN	CARGO	1FTSE34P58D804166	80056.7	IWC	WWOG	019 X 972	GOOD	GLWA	
380848	2008	FORD	E-350	VAN	CARGO	1FTSE34P98D804171	53163.5	IWC	WWOG	020X187	GOOD	GLWA	
380920	2009	FORD	E-150	VAN	CARGO	1FTNE14WX9DA00573	50019	IWC	WWOG	068X070	GOOD	GLWA	
380944	2009	FORD	E-150	VAN	CARGO	1FTNE14W89DA93769	31038	IWC	WWOG	020X458	GOOD	GLWA	
380972	2009	FORD	E-350	VAN	CARGO	1FTSE34P89DA00613	100525	IWC	WWOG	019X828	GOOD	GLWA	

Vehicle or Equipment #	Year	Make or Type	Model	Class	Class Type	VIN/Serial #	Miles	Location		License	Division Assigned	Condition	GLWA/DWSDR
								Assigned	Assigned				
380973	2009	FORD	E-350	VAN	CARGO	1FTSE34P69DA00612	31425	IWC	IWC	020X385	WWOG	GOOD	GLWA
380974	2009	FORD	E-350	VAN	CARGO	1FTSE34P9XDA00614	70401	IWC	IWC	020X625	WWOG	GOOD	GLWA
380975	2009	FORD	E-350	VAN	CARGO	1FTSE34P19DA00615	59322.9	IWC	IWC	020X687	WWOG	GOOD	GLWA
380976	2009	FORD	E-350	VAN	CARGO	1FTSE34P39DA00616	733586	IWC	IWC	020X189	WWOG	GOOD	GLWA
381017	2010	FORD	TRANSIT	VAN	CARGO	NM01S6BN3AT041299	14071	IWC	IWC	020X490	WWOG	EXCELLENT	GLWA
381018	2010	FORD	TRANSIT	VAN	CARGO	NM01S6BN7AT041306	6270	IWC	IWC	020X513	WWOG	EXCELLENT	GLWA
381019	2010	FORD	TRANSIT	VAN	CARGO	NM01S6BN4AT041294	13451	IWC	IWC	020X515	WWOG	EXCELLENT	GLWA
381021	2010	FORD	TRANSIT	VAN	CARGO	NM01S6BN1AT041303	10870	IWC	IWC	020X518	WWOG	EXCELLENT	GLWA
381022	2010	FORD	TRANSIT	VAN	CARGO	NM01S6BN9AT041307	6051	IWC	IWC	020X526	WWOG	EXCELLENT	GLWA
381112	2011	FORD	TRANSIT	VAN	CARGO	NM01S6AN08T044857	20353	IWC	IWC	020X074	WWOG	EXCELLENT	GLWA
381170	2011	FORD	E-350	VAN	CARGO	NM01S6AN98T044856	15444	IWC	IWC	020X431	WWOG	EXCELLENT	GLWA
381210	2012	FORD	TRANSIT	VAN	CARGO	NM01S7DNOCT109175	7845	IWC	IWC	019X822	WWOG	EXCELLENT	GLWA
100802	2008	CHEVROLET	COBALT	CAR	PASSENGER	1G1ALS8F487173727	31965	WWTP	WWTP	020X199	WWOG	EXCELLENT	GLWA
300500	2005	FORD	FOCUS	CAR	PASSENGER	1FAFP34N85W141504	94090	WWTP	WWTP	020X152	WWOG	GOOD	GLWA
120112	2001	CHEVROLET	C-8500	DUMP	5 YARD	1GBP7H1C91J502684	8265	WWTP	WWTP	020X635	WWOG	GOOD	GLWA
129923	1999	CHEVROLET	C-70	DUMP	5 YARD	1GBP7H1C5XJ103599	71420	WWTP	WWTP	019X919	WWOG	GOOD	GLWA
520066	2000	VOLVO	WG64	DUMP	12 YARD	4V5JC8HE61N311673	64444	WWTP	WWTP	019X986	WWOG	POOR	GLWA
529962	1999	VOLVO	WG64	DUMP	12 YARD	4VHJCMHE2XN867211	640229	WWTP	WWTP	020X591	WWOG	POOR	GLWA
529964	2000	VOLVO	WG64	DUMP	12 YARD	4VHJCMHE6XN867213	64138	WWTP	WWTP	020X423	WWOG	POOR	GLWA
150803	2008	CHEVROLET	1500	PICK-UP	CARGO	1GCEC14C48E183537	33256	WWTP	WWTP	020X058	WWOG	GOOD	GLWA
150806	2008	CHEVROLET	1500	PICK-UP	CARGO	1GCEC14C78E181863	18893	WWTP	WWTP	020X351	WWOG	GOOD	GLWA
150807	2008	CHEVROLET	1500	PICK-UP	CARGO	1GCEC14CX8E183607	17584	WWTP	WWTP	020X534	WWOG	GOOD	GLWA
150808	2008	CHEVROLET	1500	PICK-UP	CARGO	1GCEC14C38E182492	20136	WWTP	WWTP	020X535	WWOG	GOOD	GLWA
159981	1999	CHEVROLET	GMT 400	PICK-UP	SERVICE	1GCHC34F8XF093870	60933	WWTP	WWTP	020X412	WWOG	FAIR	GLWA
150801	2008	CHEVROLET	SILVERADO	PICK-UP	CARGO	1GCEC14CX8Z147277	19387	WWTP	WWTP	020X679	WWOG	GOOD	GLWA
150802	2008	CHEVROLET	SILVERADO	PICK-UP	CARGO	1GCEC14CX8Z146968	20336	WWTP	WWTP	020X680	WWOG	GOOD	GLWA
150804	2008	CHEVROLET	1500	PICK-UP	CARGO	1GCEC14C78E183354	27225	WWTP	WWTP	020X285	WWOG	GOOD	GLWA
350837	2008	FORD	F-250	PICK-UP	CARGO	1FTSF20R88EE54304	17125	WWTP	WWTP	020 X 427	WWOG	GOOD	GLWA
350839	2008	FORD	F-250	PICK-UP	SERVICE	1FTSF20R58EE54308	16919	WWTP	WWTP	020X528	WWOG	GOOD	GLWA
350840	2008	FORD	F-250	PICK-UP	CARGO	1FTSF20R18EE54306	17009	WWTP	WWTP	020X102	WWOG	GOOD	GLWA
350881	2008	FORD	F-350	PICK-UP	CARGO	1FTWF30R08ED17428	22945	WWTP	WWTP	020X554	WWOG	GOOD	GLWA
350941	2009	FORD	F-250	PICK-UP	CARGO	1FTSF20R49E808705	11878.9	WWTP	WWTP	020X244	WWOG	GOOD	GLWA
351081	2010	FORD	F-350	PICK-UP	CARGO	1FTWF3AR9AEA18329	14998	WWTP	WWTP	020X463	WWOG	EXCELLENT	GLWA
351111	2011	FORD	F-150	PICK-UP	CARGO	1FTNF1CF48KE10639	2260.9	WWTP	WWTP	019X982	WWOG	EXCELLENT	GLWA
351112	2011	FORD	F-150	PICK-UP	CARGO	1FTNF1CF0BKE10637	7138	WWTP	WWTP	020X344	WWOG	EXCELLENT	GLWA
351231	2012	FORD	F-250	PICK-UP	CARGO	1FTBF2ATXCEA45188	16607	WWTP	WWTP	020X323	WWOG	EXCELLENT	GLWA
351232	2012	FORD	F-250	PICK-UP	CARGO	1FTBF2AT1CEA45192	6810	WWTP	WWTP	020X503	WWOG	EXCELLENT	GLWA
351233	2012	FORD	F-250	PICK-UP	CARGO	1FTBF2AT7CEA45181	4391	WWTP	WWTP	020X512	WWOG	EXCELLENT	GLWA
351234	2012	FORD	F-250	PICK-UP	CARGO	1FTBF2AT7CEA45178	11285	WWTP	WWTP	020 x 537	WWOG	EXCELLENT	GLWA

Vehicle or Equipment #	Year	Make or Type	Model	Class	Class Type	VIN/Serial #	Miles	Location		Division	Assigned	License	Condition	GLWA/DWSDR
								Assigned	Assigned					
351240	2012	FORD	F-250	PICK-UP	CARGO	1FTBF2AT5CEA45177	6990	WWTP	WWOG	EXCELLENT	020X348	GLWA		
351241	2012	FORD	F-250	PICK-UP	CARGO	1FTBF2AT9CEA45182	7784	WWTP	WWOG	EXCELLENT	020X618	GLWA		
351242	2012	FORD	F-250	PICK-UP	CARGO	1FTBF2AT8CEA45187	38727	WWTP	WWOG	EXCELLENT	068X147	GLWA		
361171	2011	FORD	F-750	STAKE	DELIVERY	3FRXF7E10BV377740	3788.1	WWTP	WWOG	EXCELLENT	020X438	GLWA		
361173	2011	FORD	F-750	STAKE	DELIVERY	3FRXF7E14BV377739	3678	WWTP	WWOG	EXCELLENT	020X467	GLWA		
960271	2002	STERLING	L-8500	STAKE	15 TON STINGE	2FZHAZAN92AK11500	5351.7	WWTP	WWOG	GOOD	020X645	GLWA		
830113	2001	FRGHTLNER	MT45	STEP VAN	HAZ-MAT	4UZAAPBW21CH90816	4167	WWTP	WWOG	GOOD	640X67	GLWA		
830121	2001	FRGHTLNER	MT45	STEP VAN	HAZ-MAT	4UZAAPBW11CH90824	6224	WWTP	WWOG	GOOD	020X388	GLWA		
170800	2008	CHEVROLET	RAILBLAZE	SUV	PASSENGER	1GNDT135X82132542	65513	WWTP	WWOG	EXCELLENT	068X146	GLWA		
370803	2008	FORD	ESCAPE	SUV	PASSENGER	1FMCU92Z98KD65046	62058	WWTP	WWOG	EXCELLENT	020X100	GLWA		
340681	2006	FORD	E-450	UTILITY	HYDRANT	1FDXE45P76HA45990	16587	WWTP	FIELD SERV	GOOD	020X507	DWSDR		
370913	2009	FORD	ESCAPE	SUV	PASSENGER	1FMCU92709KC56300	59100	WWTP	WWOG	EXCELLENT	019X889	GLWA		
GE05685	2005	AM-LINCOLN	MPV60	SWEEPER	STREET	482214	N/A	WWTP	WWOG	GOOD	N/A	GLWA		
CE01685	2001	ELGIN	PELICAN	SWEEPER	STREET	P3591D	45779	WWTP	WWOG	GOOD	N/A	GLWA		
691290	2012	INT'L	WORK STAF	TANKER	FLUSHER	1HTWKAZR4C1617995	3863	WWTP	WWOG	GOOD	098X402	GLWA		
GE15810	2015	KUBOTA	V1100CWU	UTV	TRANSPORT	17067	N/A	WWTP	WWOG	EXCELLENT	N/A	GLWA		
899961	1999	FRGHTLNER	FL-112	CUUM LOAI	15 YARD	1FVXTEB0YH853675	149576	WWTP	WWOG	GOOD	147X46	GLWA		
690959	2009	INT'L	7500	CUUM LOAI	15 YARD	1HTWNAZT69J191089	10997	WWTP	WWOG	GOOD	020X476	GLWA		
990590	2005	STERLING	L-7500	CUUM LOAI	15 YARD	2FZHATDC55AU36881	10099	WWTP	WWOG	GOOD	020X638	GLWA		
180873	2008	CHEVROLET	3500	VAN	CARGO	1GCHG356381150476	16,388	WWTP	WWOG	GOOD	020X064	GLWA		
380659	2006	FORD	E-350	VAN	CARGO	1FTRE14W16DB836071	60274	WWTP	WWOG	GOOD	019X990	GLWA		
380717	2007	FORD	E-150	VAN	CARGO	1FTNE14W87D839209	76451	WWTP	WWOG	GOOD	020X653	GLWA		
380724	2007	FORD	E-150	VAN	CARGO	1FTNE14W07DB39205	43415	WWTP	WWOG	GOOD	020X669	GLWA		
380845	2008	FORD	E-350	VAN	CARGO	1FTSE34P18DB06514	46430	WWTP	WWOG	GOOD	019X818	GLWA		
380909	2009	FORD	E-150	VAN	CARGO	1FTNE14W19DA00574	25673	WWTP	WWOG	GOOD	068 X 068	GLWA		
380938	2009	FORD	E-150	VAN	CARGO	1FTNE14W69DA93771	17445	WWTP	WWOG	GOOD	019X913	GLWA		
380945	2009	FORD	E-150	VAN	CARGO	1FTNE14W89DA93755	4309	WWTP	WWOG	GOOD	020X509	GLWA		
380947	2009	FORD	E-150	VAN	CARGO	1FTNE14WX9DA93756	9255.5	WWTP	WWOG	GOOD	019 X 948	GLWA		
380950	2009	FORD	E-150	VAN	CARGO	1FTNE14W19DA93757	23240	WWTP	WWOG	GOOD	020X243	GLWA		
380951	2009	FORD	E-150	VAN	CARGO	1FTNE14W39DA93761	52224.3	WWTP	WWOG	GOOD	020X366	GLWA		
380952	2009	FORD	E-150	VAN	CARGO	1FTNE14W59DA93762	18486	WWTP	WWOG	GOOD	020X617	GLWA		
380960	2009	FORD	E-350	VAN	CARGO	1FTSE34P09DA93787	1506	WWTP	WWOG	GOOD	020X051	GLWA		
380965	2009	FORD	E-350	VAN	CARGO	1FTSE34P29DA00604	9974.2	WWTP	WWOG	GOOD	020X224	GLWA		
380987	2009	FORD	E-350	VAN	CARGO	1FTSE34P79DA00604	24395	WWTP	WWOG	GOOD	068X050	GLWA		
380992	2009	FORD	E-350	VAN	CARGO	1FTSE34P59DA00617	18232.9	WWTP	WWOG	GOOD	020X683	GLWA		
381012	2010	FORD	TRANSIT	VAN	CARGO	NM0LS6BN0AT041292	17564	WWTP	WWOG	EXCELLENT	020X242	GLWA		
381057	2010	FORD	E-150	VAN	CARGO	1FTNE1EW3ADAS4171	20569	WWTP	WWOG	EXCELLENT	019X887	GLWA		
381068	2010	FORD	E-150	VAN	CARGO	1FTN1EW8ADAS4182	13889	WWTP	WWOG	EXCELLENT	020X349	GLWA		
381069	2010	FORD	E-150	VAN	CARGO	1FTNE1EW6ADAS4173	17270	WWTP	WWOG	EXCELLENT	020X368	GLWA		

Vehicle or Equipment #	Year	Make or Type	Model	Class	Class Type	VIN/Serial #	Miles	Location		Division Assigned	Condition	GLWA/DWSDR
								Assigned	Assigned			
381101	2011	FORD	TRANSIT	VAN	CARGO	NM0LS6AN5BT044854	24136	WWTP	WWOG	EXCELENT	GLWA	
381168	2011	FORD	E-150	VAN	CARGO	1FTNE1EWX8DA01713	17567	WWTP	WWOG	EXCELENT	GLWA	
381171	2011	FORD	E-350	VAN	CARGO	1FTSE3EL68DB16538	7294	WWTP	WWOG	EXCELENT	GLWA	
381172	2011	FORD	E-350	VAN	CARGO	1FTSE3EL48DB16540	23014.6	WWTP	WWOG	EXCELENT	GLWA	
381175	2011	FORD	E-350	VAN	CARGO	1FTSE3EL88DB16556	8,740	WWTP	WWOG	EXCELENT	GLWA	
381182	2011	FORD	E-350	VAN	CARGO	1FTSE3EL78DB16564	8961.3	WWTP	WWOG	EXCELENT	GLWA	
381190	2011	FORD	E-350	VAN	CARGO	1FTSE3EL48DB16554	12202	WWTP	WWOG	EXCELENT	GLWA	
381208	2012	FORD	TRANSIT	VAN	PASSENGER	NM0KS98N5CT083313	10502	WWTP	WWOG	EXCELENT	GLWA	
381211	2012	FORD	TRANSIT	VAN	CARGO	NM0LS7DN7CT109173	14370	WWTP	WWOG	EXCELENT	GLWA	
381218	2012	FORD	TRANSIT	VAN	CARGO	NM0LS7DN9CT109174	5958	WWTP	WWOG	EXCELENT	GLWA	
381274	2012	FORD	E-350	VAN	CARGO	1FTSE3EL68DB16555	13566	WWTP	WWOG	EXCELENT	GLWA	
381276	2012	FORD	E-350	VAN	CARGO	1FTSE3ELX8DB15232	15257	WWTP	WWOG	EXCELENT	GLWA	
381282	2012	FORD	E-350	VAN	CARGO	1FTSE3ELX8DB16560	10472	WWTP	WWOG	EXCELENT	GLWA	
381284	2012	FORD	E-350	VAN	CARGO	1FTSE3EL38DB16562	8347.7	WWTP	WWOG	EXCELENT	GLWA	
381285	2012	FORD	E-350	VAN	CARGO	1FTSE3EL98DB16551	10270	WWTP	WWOG	EXCELENT	GLWA	
381286	2012	FORD	F-350	VAN	CARGO	1FTSE3EL38DB16559	13096	WWTP	WWOG	EXCELENT	GLWA	

**EXHIBIT C**  
**MDOT REPORT 375 – EQUIPMENT RENTAL RATES, SCHEDULE C**

# SCHEDULE C

# EQUIPMENT RENTAL



# RATES

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REPORT 375

Effective January 1 through December 31, 2014

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**Equipment Rental Rates (Schedule C)  
Report 375**

**EFFECTIVE JANUARY 1, 2014**

**THROUGH**

**DECEMBER 31, 2014**

Hourly equipment rental rates are based on the following data reported by County Road Commissions on the county equipment questionnaires:

1. Expenses: Direct repair, indirect repair and storage, operating and depreciation.
2. Hours of equipment operation.

These rates were computed by using 2012 actual expenses of County Road Commissions, plus a factor for estimated increased costs between 2012 and 2014.

Counties possessing a State Trunk Line Maintenance Contract for the effective term of 10/01/2012 through 09/30/2016 will be reimbursed at these rates. However a county may elect to use a modified rate for reimbursement, in accordance with subsection 15(F) of the contract.

## Table for Computing Equipment Depreciation

<b>5 Year Depreciation</b>							
10.100, 10.200, 12.300, 12.301, 12.302, 12.303, 12.304, 12.305, 12.306, 12.307, 12.400, 12.501, 12.502, 12.503, 12.504, 31.100, 31.400, 62.500, 63.420, 63.430, 63.500, 63.510, 63.550, 63.554, 63.560, 63.565, 63.570, 63.575, 63.600, 63.700, 63.701, 63.702, 63.801, 63.802, 81.110, 81.120, 81.130, 81.251, 81, 252, 81.253, 81.254, 81.255, 81.256, 81.257, 81.258, 81.261, 81.262, 82.110, 82.119, 82.120, 82.121, 82.122 82.128, 82.130, 82.140, 95.350							
Calendar Year Month	Fiscal Year Month	Year of Purchase	Depreciation Years				
			2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	4 <sup>th</sup> Year	5 <sup>th</sup> Year	6 <sup>th</sup> Year
January	1	33.00%	27.00%	20.00%	13.00%	7.00%	0.00%
February	2	30.25%	27.50%	20.58%	13.59%	7.50%	0.58%
March	3	27.50%	28.00%	21.17%	14.16%	8.00%	1.17%
April	4	24.75%	28.50%	21.75%	14.75%	8.50%	1.75%
May	5	22.00%	29.00%	22.33%	15.34%	9.00%	2.33%
June	6	19.25%	29.50%	22.92%	15.91%	9.50%	2.92%
July	7	16.50%	30.00%	23.50%	16.50%	10.00%	3.50%
August	8	13.75%	30.50%	24.08%	17.09%	10.50%	4.08%
September	9	11.00%	31.00%	24.67%	17.66%	11.00%	4.67%
October	10	8.25%	31.50%	25.25%	18.25%	11.50%	5.25%
November	11	5.50%	32.00%	25.83%	18.84%	12.00%	5.83%
December	12	2.75%	32.50%	26.42%	19.41%	12.50%	6.42%

<b>8 Year Depreciation</b>										
All other equipment not listed in 5 year depreciation schedule.										
Calendar Year Month	Fiscal Year Month	Year of Purchase	Depreciation Years							
			2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	4 <sup>th</sup> Year	5 <sup>th</sup> Year	6 <sup>th</sup> Year	7 <sup>th</sup> Year	8 <sup>th</sup> Year	9 <sup>th</sup> Year
January	1	22.00%	19.00%	17.00%	14.00%	11.00%	8.00%	6.00%	3.00%	0.00%
February	2	20.17%	19.25%	17.16%	14.25%	11.25%	8.25%	6.17%	3.25%	0.25%
March	3	18.33%	19.50%	17.34%	14.50%	11.50%	8.50%	6.33%	3.50%	0.50%
April	4	16.50%	19.75%	17.50%	14.75%	11.75%	8.75%	6.50%	3.75%	0.75%
May	5	14.67%	20.00%	17.66%	15.00%	12.00%	9.00%	6.67%	4.00%	1.00%
June	6	12.83%	20.25%	17.84%	15.25%	12.25%	9.25%	6.83%	4.25%	1.25%
July	7	11.00%	20.50%	18.00%	15.50%	12.50%	9.50%	7.00%	4.50%	1.50%
August	8	9.17%	20.75%	18.16%	15.75%	12.75%	9.75%	7.17%	4.75%	1.75%
September	9	7.33%	21.00%	18.34%	16.00%	13.00%	10.00%	7.33%	5.00%	2.00%
October	10	5.50%	21.25%	18.50%	16.25%	13.25%	10.25%	7.50%	5.25%	2.25%
November	11	3.67%	21.50%	18.66%	16.50%	13.50%	10.50%	7.67%	5.50%	2.50%
December	12	1.83%	21.75%	18.84%	16.75%	13.75%	10.75%	7.83%	5.75%	2.75%

<b>10.000</b>	<b>AUTOMOTIVE</b>	
.100	Car or station wagon (passenger type)	7.44
.200	Bus - 5400 G.V.W. Minimum	13.45
<b>11.000</b>	<b>TRAILERS (Flat Bottom Type)</b>	
.100	Under 2 tons	5.27
.101	2 tons minimum	5.92
.102	6 tons minimum	11.89
.103	10 tons minimum	14.56
.104	15 tons minimum	18.36
.105	25 tons minimum	26.67
<b>12.000</b>	<b>TRUCKS</b>	
	<i>Conventional only. Gas or diesel powered without optional accessories or attachments. Classified by G.V.W.R. (Gross Vehicle Weight Rating), assigned &amp; printed by the manufacturer on the Vehicle Certification.</i>	
.300	Under 10,500	9.06
.301	10,500 minimum	15.45
.302	16,000 minimum	16.12
.303	19,500 minimum	18.27
.304	23,000 minimum	20.91
.305	26,000 minimum	22.96
.306	33,000 minimum	39.30
.307	41,000 minimum	43.19
	<i>All-Wheel Drive Only. Gas or Diesel powered without optional accessories or attachments. Classified by G.V.W.R. (Gross Vehicle Weight Rating), assigned by the manufacturer on the Vehicle Certification Label.</i>	
12.400	Under 20,000	12.06
.401	20,000 minimum	20.42
.402	35,000 minimum	43.29
.403	40,000 minimum	45.87
.404	43,000 minimum	49.22
.405	51,000 minimum	52.57
12.410	Multipurpose 4 WD truck/tractor	24.17

	<b><i>Tandem only. Gas or diesel powered without optional accessories or attachments. Classified by G.V.W.R. (Gross Vehicle Weight Rating), assigned and printed by the manufacturer on the Vehicle Certification Label.</i></b>	
12.501	Under 41,000	36.54
.502	41,000 minimum	42.80
.503	49,000 minimum	50.83
.504	57,000 minimum	53.24
.507	Tri-Axle gas or diesel without optional accessories	66.64
12.508	Quad-Axle gas or diesel without optional accessories	44.79
13.100	Camper body, pickup mounted	.34
13.200	Portable hydraulic dump box (for pickup trucks)	.89
13.400	Enclosed van trailer	3.83
14.100	Super haul body	2.37
14.125	Dump box liner	1.46
14.200	Hydraulic hook loader	3.96
<b>20.000</b>	<b>BITUMINOUS DISTRIBUTORS AND KETTLES</b>	
	<b><i>Distributor tank with motorized pump, heater, distributor bar (not including truck or tractor)</i></b>	
.201	400 gallon minimum capacity	14.59
.202	1,000 gallon minimum capacity	14.18
.203	2,500 gallon minimum capacity	46.21
	<b><i>Bituminous Kettles - Hand Operated, Spray Assembly for Joint and Crack Filling, (trailer mounted)</i></b>	
20.401	Under 80 gallon capacity	7.12
.402	80 gallon minimum capacity	8.51
.403	165 gallon minimum capacity	10.90
.404	225 gallon minimum capacity	14.04
.405	300 gallon minimum capacity	14.54
.406	500 gallon minimum capacity	14.83
.520	Blower-starter (including compressor)	3.47
.601	Hot rubber kettle	14.91
.700	Lance (for blowing clean and heating crack prior to filling)	3.07

<b>21.000</b>	<b>HEATERS</b>	
	<i>Tank Car (fuel included)</i>	
21.101	1 car	19.67
.102	2 cars	28.15
.103	3 cars	30.06
.200	Bituminous tool Heater (trailer mounted)	3.40
.250	Heater for Bituminous Materials	4.27
.260	Bituminous Materials Heater - Hopper box trailer mounted, (2) - 100 pound bottle gas tank storage	10.56
.300	Surface heater - for spot repairing of bituminous surface	3.77
.301	Infrared surface heater - spot heating repairing of bituminous surfaces	57.91
.350	Radiant heater - luminous wall	65.81
.400	Heated asphalt roller (for spot repairing)	4.48
<b>23.000</b>	<b>BITUMINOUS MIXING &amp; PAVING EQUIPMENT</b>	
.101	Asphalt recycling machine - portable	41.46
.103	Hot mix patcher with heating system	41.31
.120	Patching machine, cold mix w/rotor gun appl. (trailer mounted)	40.90
.150	Self-contained patching machine (truck mounted, complete unit)	28.46
.201	Bituminous paver - complete unit, self-propelled, loads, mixes, spreaders, and finishes	67.06
.202	Bituminous paving finisher only, self-propelled	100.33
.203	Bituminous spreader only, tailgate type	44.38
.204	Multi-blade mixer - (including blades) used for mixing bituminous materials	13.31
.205	Bituminous patching aid, shelf type	1.72
.206	Asphalt Trailer, flowboy type (not including trailer)	44.80
.207	Electronic screed control system	21.30
23.210	Self-propelled asphalt maintainer	43.82
.300	Bituminous curb laying machine	13.88
.310	Utility trench paver (attach. to bucket lip)	5.15
23.400	Complete asphalt plant	598.44
24.000	Portable Truck Scales - Platform type	.61

<b>25.000</b>	<b>BITUMINOUS SUPPLY TANK (portable with heater and pump)</b>	
.300	Under 4,000 gallons minimum capacity	14.56
.700	4,000 minimum capacity and greater (no pump)	91.20
26.100	Hydraulic powered planer (attachment only)	35.29
<b>30.000</b>	<b>CONCRETE MIXING AND PAVING EQUIPMENT</b>	
.100	Curb and gutter paver	7.12
.105	Curb and gutters forms	5.12
.107	Bridge abutment forms	12.33
.120	Concrete repair application gun (pneumatic)	10.33
	<b>CEMENT MIXERS</b>	
30.511	Under 2 ¼ cu. ft.	7.14
.512	2 ¼ cu. ft. minimum	9.48
.513	4 ½ cu. ft. minimum	14.03
.514	9 cu. ft. minimum	14.76
30.520	Transit mixer without truck	31.80
.700	Concrete vibrator	2.59
30.750	Vibrating screed, Motorized trowel	11.17
<b>31.000</b>	<b>CONCRETE PAVEMENT SAW WITHOUT BLADE (change blades to road materials)</b>	
31.100	Under 40 H.P.	18.11
.400	40 H.P. minimum	49.01
.410	Pneumatic pavement saw	5.30
32.000	Concrete grooving machine	20.69
32.100	Concrete plane	50.18
.120	Concrete milling machine, 15" minimum width	52.80
.130	Concrete milling machine, 35" minimum width	85.25
.140	Concrete router	26.45
.145	Pavement scarifier	35.57
<b>43.000</b>	<b>DITCHER - TRENCHERS - COMPLETE UNITS</b>	
.110	Under 13" width	22.41
.111	13" minimum width	34.33
.112	24" minimum width	41.21

43.200	Under 13" width - attachment only - p.t.o. type	33.86
<b>44.000</b>	<b>ROCK RIPPERS, BRUSH RAKES, AND BULLDOZER BLADES (attachment only)</b>	
.100	Rock ripper – each	6.54
.150	Blade rake with brush guard (attachment to bulldozer blade)	9.71
	<i><b>Bulldozer blades - (cutting edge included)</b></i>	
.200	Under 10' width	1.61
.300	10' minimum width	2.77
.400	12' minimum width	4.69
.500	14' minimum width	6.26
<b>45.000</b>	<b>MOTOR GRADERS - Gas or diesel, including blades without optional accessories or attachments except roll over protection. Classified by standard machine weight.</b>	
45.101	Under 13,000 lbs.	33.66
.102	13,000 lbs. minimum	40.02
45.103	16,000 lbs. minimum	40.48
45.104	21,000 lbs. minimum	44.83
.105	24,000 lbs. minimum	45.65
.106	27,000 lbs. minimum	46.37
.107	30,000 lbs. minimum	67.48
	<b>MOTOR GRADER ATTACHMENTS</b>	
45.200	Scarifier - attachment (including teeth and controls)	3.45
.225	Scarifier blade with rotating tips - attachment to moldboard	7.42
.250	Automatic hydraulic blade control - attachment to motor grader	1.99
.252	Automatic blade control electronic - attachment to motor grader	6.51
.255	Ice/gravel scarifier attachment to grader blade	6.13
.260	Highway (brush) cutter, hydraulic - attachment to motor grader	31.02
.262	Snow wing attachment - (attaches to top of mold board)	2.06
.264	Asphalt cutter - attachment to moldboard	32.25
.270	Grade-slope-shoulder cutter (16" moldboard hydraulic attachment to motor grader)	32.09
.280	Blade shock absorber – attachment to motor grader	.58
.290	Compaction crusher - attachment to motor grader	18.52

<b>45.300</b>	<b>DRAWN GRADERS</b>	
.305	Mechanical controls	5.06
.310	Powered operated controls	5.64
<b>46.000</b>	<b>MAINTAINERS</b>	
.100	Drawn - (including blades)	12.78
.200	Hydraulic maintainer blade attachment to tractor	8.53
.300	Self-powered berm cutter (tow type)	29.80
.400	Windrow eliminator, attach. to tractor/grader	6.45
46.500	Tractor - type maintainer, min 40 h.p. 6,000 lbs., including power sliding moldboard without optional accessories or attachments. (Including powered)	11.16
<b>47.000</b>	<b>EXCAVATORS - SHOVEL, DRAGLINE, HOE, CLAMSHELL, AND CRANE. (CLASSIFIED BY CAPACITY OF BUCKET)</b>	
	<i>Crawler Mounted</i>	
47.201	Under ½ cubic yard bucket	13.16
.202	½ cubic yard bucket minimum	28.14
.203	¾ cubic yard bucket minimum	32.77
.204	1 cubic yard bucket minimum	41.09
.205	1 ½ cubic yard bucket minimum	47.49
.206	2 cubic yard bucket minimum	60.25
	<i>Rubber tire mounted</i>	
47.301	Under ½ cubic yard bucket minimum	37.32
.302	½ cubic yard bucket minimum	42.02
.303	¾ cubic yard bucket minimum	50.91
.304	1 cubic yard bucket minimum	54.20
	<i>Tractor shovel or loader - manufactured as a complete unit (classified by pounds of operating capacity or operating load. The operating capacity or load is based on 50% of the tipping load SAE rated with standard equipment; including roll over protection and in a full turn position if applicable).</i>	
47.401	Under 3,000 lbs. operating capacity or load	34.00
.402	3,000 lbs. minimum operating capacity or load	35.50
.403	4,500 lbs. minimum operating capacity or load	37.65
.404	6,600 lbs. minimum operating capacity or load	38.89
.405	7,500 lbs. minimum operating capacity or load	41.19

47.406	9,000 lbs. minimum operating capacity or load	43.48
.407	10,500 lbs. minimum operating capacity or load	61.17
.408	12,000 lbs. minimum operating capacity or load	50.03
.450	Extendable Boom (non-hydraulic) - Material handling arm - extends to 20'	32.49
47.460	Asphalt planer attachment (cutting width 24" and under)	12.50
47.470	Pallet Lifter	4.74
	<b><i>Hydraulic excavator - crawler or rubber tire mounted with telescoping boom (classified by standard machine weight, including roll over protection)</i></b>	
47.601	Without remote control (all)	42.66
.602	With remote control - under 45,000 lbs.	52.26
.603	With remote control - 45,000 lbs. minimum	52.52
47.700	Hydraulic wrist, allows bucket or attachment to swing up to 90 degrees from center	10.02
<b>48.000</b>	<b>UNDERBODY OR REAR MOUNTED SCRAPERS - (INCLUDING BLADES)</b>	
48.100	Mechanical	4.49
.200	Air or hydraulic powered pressure on the moldboard	4.96
.201	Air or hydraulic powered pressure on the moldboard and power reversing of the moldboard	6.26
.202	Air or hydraulic powered pressure on the moldboard and power reversing and tilting of the moldboard	11.24
<b>48.400</b>	<b>EARTH HAULERS</b>	
	<b><i>Scraper only - including blades, (classified by rated capacity of scraper)</i></b>	
.404	Under 5 cubic yards	10.01
.406	5 cubic yards minimum	12.78
	<b><i>Scraper and rubber tired tractor - (including blades). Classified by rated capacity of scraper</i></b>	
48.501	Under 5 cubic yards minimum	24.97
.502	5 cubic yards minimum	26.83
.503	7 cubic yards minimum	36.01
.504	9 cubic yards minimum	59.40
.505	11 cubic yards minimum	78.39

48.506	13 cubic yards minimum	103.95
48.507	17 cubic yards minimum	104.80
48.508	21 cubic yards minimum	109.73
48.540	Single engine self-loading 16 cubic yard minimum	134.77
<b>50.000</b>	<b>EDUCTORS</b>	
.200	1,000 - 2,000 gallon self-contained unit without truck	36.62
<b>51.000</b>	<b>SEWER CLEANING EQUIPMENT</b>	
	<i>Rods</i>	
51.100	Without power	5.66
.150	1.3 h.p. electric motor minimum	5.94
	<i>Bucket machines or rodders</i>	
51.200	2 h.p. engine minimum	13.71
.202	9 h.p. minimum	23.95
.204	15 h.p. engine minimum	34.24
.400	Attachment to fire hose	6.32
.500	Hydraulic sewer cleaner (water type) with 1000 PSI working pressure	17.15
.510	Hydraulic sewer cleaner extension: self-propelled with trailer	10.21
.520	Hydraulic pipe cutter, 18" to 48" adjustable	7.85
52.000	Steam thawing equipment - used exclusively for thawing drainage structures	53.34
<b>53.000</b>	<b>CATCH BASIN CLEANERS</b>	
.100	Orange peel type bucket, without truck	23.58
.300	Vacuum pump type without truck, or conveyor with bucket	25.27
<b>61.000</b>	<b>BRINE MAKING EQUIPMENT</b>	
61.100	Automated brine maker	34.71
<b>62.000</b>	<b>SNOW PLOWS</b>	
	<i>Rotary or auger, attachment only, including power unit (not including truck, grader, or tractor)</i>	
62.101	10 h.p. engine minimum	47.50
.102	76 h.p. engine minimum	56.69
.103	151 h.p. engine minimum	110.83
62.104	Power take-off	16.36

	<b><i>Rotary or auger - manufactured or assembled as a complete integral unit (self-propelled)</i></b>	
62.111	63 h.p. engine minimum	81.15
62.112	151 h.p. engine minimum	172.33
.200	Vee plows - (all sizes -blades included)	23.76
.300	One-way plows (all sizes - blades included)	18.54
.320	Reversible plows, all sizes, manually operated	34.37
.350	Reversible plows, all sizes, reverse hydraulically operated, blade included	8.26
	<b><i>Snow plow wings - (not including truck, grader, or tractor)</i></b>	
62.401	Manually operated	8.13
.402	Power operated	15.26
.403	Roto-wing (not including truck, grader, or tractor)	6.64
62.404	Guidance laser	2.89
.490	Sidewalk - snow thrower, not self-propelled	3.18
.500	Sidewalk - rotary, hand guided, self-propelled	14.19
.501	Snow blower - attachment for tractor less than 6,000 lbs.	16.49
.600	Extra-large vee plow (over 8 tons)	13.21
<b>63.000</b>	<b>SPREADERS - (not including truck)</b>	
	<b><i>Towed type</i></b>	
63.100	Traction driven spinner	9.54
.125	Traction driven (without spinner)	10.81
	<b><i>Tailgate type</i></b>	
63.200	Roller or auger (without spinner) hydraulic, chain, motor, traction or truck tire friction drive without cab controls	5.80
.250	Roller or auger (without spinner) hydraulic, chain, motor, traction or truck tire friction drive with hydraulic cab controls	5.34
.300	With spinner, hydraulic, chain, motor, or truck tire friction drive without cab controls	6.35
.350	With spinner, hydraulic, chain, motor, or truck tire friction drive with hydraulic cab controls	3.33
63.352	Hydraulic tailgate spreader with conveyor for right or left hand discharge	4.41
.355	Hydraulic tailgate spreader ground sensing control system	.80

63.360	Tailgate spreader same as 63.250 & 63.350 with a ground speed control system.	5.73
.370	With spinner and auger, cab controlled; electric motor drive	9.22
.390	Liquid spray system (pre-wetting of salt)	1.22
.395	Anti-icing, dust control spray system (slide in type)	27.90
63.410	Gravity fed	2.00
	<b>Hopper box type</b>	
63.420	Gravity fed (hopper only) 3 cubic yard minimum	5.84
.430	Truck or trailer mounted with conveyor and/or auger and spinner, 1 1/4 cubic yard minimum	10.03
.500	Truck mounted with conveyor and/or spinner (including piggy-back type) 4 cubic yard minimum	9.22
.510	Same as .500 plus ground speed sensors	11.48
.550	Truck mounted with (hydraulic) cab controlled conveyor and/or spinner (including piggy-back types) 4 cubic yard minimum	8.37
.554	Same as .550 plus ground speed sensors	9.34
.560	Truck mounted with (hydraulic) cab controlled conveyor and/or spinner (including piggy-back types) 10 cubic yard minimum	8.96
.565	Same as .560 plus ground speed sensors	11.80
.570	Truck mounted, cab controlled with side delivery system mounted on rear of box for centerline discharge and ground speed sensors	4.87
.575	Truck mounted, cab controlled with side delivery system on rear of box for center line discharge	6.85
.600	Same as 63.550 & 63.560, but with automatic-electronically operated hydraulic valve/control system and with electronic ground speed sensors	6.52
63.625	EPOKE combination spreader	38.79
	<b>Trailer, v-bottom type - including spreader with conveyor and/or spinner</b>	
63.700	8 cubic yard minimum capacity	8.21
.701	11 1/2 cubic yard minimum capacity	13.65
.702	14 cubic yard minimum capacity	29.42
	<b>Two-way spreader</b>	
63.801	Dump tilts forward as spreader with auger and spinner, and tilts back as tailgate dump. (truck included) 6 cubic yard	25.06

63.802	Same as 63.801 but 12 cubic yard minimum	34.36
<b>70.000</b>	<b>TRACTORS - Wheel or crawler - gas or diesel powered, without optional accessories or attachments. Classified by standard machine weight including roll over protection.</b>	
70.100	Under 1,000 lbs.	19.99
.101	1,000 lbs. minimum	32.35
.102	6,000 lbs. minimum	34.24
.103	10,000 lbs. minimum	37.16
.104	16,000 lbs. minimum	37.96
.105	21,000 lbs. minimum	67.36
.106	35,000 lbs. minimum	74.11
70.500	Backhoe attachment to tractor, 12" minimum, without tractor	3.62
70.600	Concrete breaker (attaches to backhoe)	9.36
<b>80.000</b>	<b>FARM EQUIPMENT</b>	
	<i>Drag or harrow</i>	
80.201	Spring tooth - under 20' width	2.32
.203	Spike tooth	6.13
.204	Double disk	7.69
.205	Klod buster	5.90
.209	Disc shoulder conditioner	12.52
.300	Drill and chemical fertilizer spreader	5.75
.301	Mulch spreader - trailer or truck mounted (not including truck)	18.96
.302	Hydro seeder - trailer or truck mounted (not including truck)	29.08
.310	Hydro seeder - under 500 gallon capacity	9.80
.312	Over seeder	31.10
.500	Fence or sign post driver - power driver, (not pneumatic attachment), trailer mounted or tractor attachment	1.01
.510	Fence or sign driver - pneumatic	.35
80.540	Fence or sign drive - hydraulic	.61
.550	Fence or sign post puller - hydraulic attachment to truck	.72
.700	Post hole digger or earth auger - power "takeoff" attach. or power propelled, hand operated	23.02
80.701	Power earth auger - trailer or truck mounted - not including truck	9.29

80.702	Concrete core drill unit without truck	11.52
.703	Concrete core drill unit without truck, including diamond bits	13.13
.704	Power rock or earth drill - vehicle mounted without compressor	16.84
.705	Boring unit, hydraulic powered, PTO, not including truck or tractor	5.51
.706	Hydraulic guardrail post pounder, puller, and hole auger, engine driven, (truck mounted not including truck)	49.44
80.707	Hydraulic platform for post (digging-driving-pulling) truck mounted; not including truck	8.47
.708	Directional boring unit, self-contained	53.35
.709	Digger derrick with accessories (truck mounted, not including truck)	23.31
.710	Rock drill and breaker bar - gas, driver, self-contained	6.93
.714	Earth drill, without compressor	14.38
.750	Hydraulic doweling drill, with trailer	13.96
	<b><i>Rakes</i></b>	
80.801	Stone	10.18
.802	Hay	3.27
	<b><i>Sod cutters</i></b>	
80.900	Drawn (attachment only)	8.06
.901	Self-propelled (complete unit)	9.37
<b>81.000</b>	<b>MOWING EQUIPMENT</b>	
	<b><i>Highway mowers</i></b>	
81.110	Sickle-bar type, attachment only, tractor not included	20.72
.120	Rotary, hammer, knife, or flail type, PTO, attachment only, tractor not included	12.24
.130	Rotary, 15' minimum - attachment only, tractor not included	23.01
.135	Rotary, 4' minimum - blade is hydraulic driven, brush cutter, tractor not included	13.01
.140	Rotary, 5' minimum - weed and brush, blade is hydraulic driven, and with or without hydraulic arm, attachment only tractor not included	11.66
.160	Rotary, self-leveling slope mower	12.04
	<b><i>Lawn mowers (reel, rotating or flail type)</i></b>	
81.251	Under 20"	4.43

81.252	20" minimum	9.82
.253	24" minimum	11.19
81.254	30" minimum	12.97
.255	36" minimum	18.53
.256	49" minimum	21.06
.257	61" minimum	23.59
.258	Edger-trimmer / weed whacker	2.79
	<b><i>Sickle-bar type</i></b>	
81.261	Under 30" cutting width, hand guided	6.48
.262	30" minimum cutting width, hand guided	6.81
	<b><i>Gang mowers - 24" to 30" reels - attachment or drawn, without tractor</i></b>	
81.276	3 reel type	5.05
81.300	Grass collecting system (tractor mounted)	4.22
<b>82.000</b>	<b>TREE EQUIPMENT</b>	
82.110	Buzz saw	5.14
	<b><i>Chain saws (gas or electric)</i></b>	
82.119	Under 18" bar	3.30
.120	18" bar minimum	3.54
.121	30" bar minimum	11.14
.122	51" bar minimum	23.29
.125	Gas powered multi-purpose cutoff saw (on concrete sawing, charge blade to project)	17.96
.128	Reciprocating saw (tree trimming)	6.18
.130	Brush (2 wheel mounted) powered circular saw	12.78
.140	Brush (small) shoulder carried; chain, circular, or monofilament type	1.63
82.200	Brush or tree chipper for material under 9"	17.02
.210	Brush or tree chipper for material 9" minimum	20.64
.235	Hydraulic boom tree shearer	90.24
82.250	Total timber harvester - with hydraulic boom attached and conveyor feed (trees to 20" diameter.)	82.96
.260	Log splitter - engine powered	6.91

82.290	Gas powered pruner with telescoping drive shaft	3.87
.300	Hydraulic pole chain saw	6.63
.305	Hydraulic pruner	4.37
.405	Stump cutter	41.82
.500	Tree spade, trailer mounted	13.73
.501	Tree spade, truck mounted without truck	9.21
.502	Grapple tree sheared	48.98
.505	Timber fork	9.22
<b>83.000</b>	<b>STREET CLEANING EQUIPMENT</b>	
	<i><b>Brooms</b></i>	
83.110	Towed - traction or power take off type (attachment only)	16.03
.120	Towed - engine powered - (attachment only)	30.91
.130	Tractor or loader - engine powered, hydraulic or power take off drive (attachment only)	17.16
.140	Self-propelled power broom	49.46
.150	Hand-held power broom	5.43
	<i><b>Street sweepers - self-propelled with curb brushes and pickup attachment - classified by capacity of hopper</b></i>	
83.205	Under 1/3 cubic yard	23.07
.210	1/3 cubic yard minimum	40.10
.215	1 1/4 cubic yard minimum	40.94
.220	2 cubic yard minimum	42.81
.230	3 cubic yard minimum	80.05
.240	4 cubic yard minimum	85.86
	<i><b>Leaf cleaners</b></i>	
83.300	Vacuum cleaner, trailer mounted (attachment only) without truck	28.60
.301	Complete unit for catch basins and leaf pickup, including vacuum cleaner and storage box, truck not included	46.40
.302	Sweeper - hand propelled and guided	3.25
.303	Sweeper - self-propelled, hand guided	11.22
83.304	Sweeper - attachment to tractor with mechanical pickup	32.18
.305	Leaf loader, brush pickup type, with 95 power unit minimum, truck not included	36.79

83.310	Vacuum type litter picker, self-propelled, riding, self-contained, vacuum, min. 8 h.p.; base unit minimum 8 h.p.	15.35
.350	Mini-vac system, skid mounted for truck or trailer	2.23
	<b><i>Flusher - complete (not including truck)</i></b>	
83.411	Under 1,400 gallons	5.04
.412	1,400 gallons minimum and greater	6.32
.500	Refuse collector, truck mounted, power operating (not including truck)	5.44
	<b><i>One man refuse collection vehicle - dual driving and compaction controls from either side of walk in cab: self-propelled and self-contained compactor</i></b>	
83.510	10 cubic yard minimum	24.07
.520	25 cubic yard minimum	44.42
.600	Compost turner (tractor not included)	23.22
.700	Road magnet	1.56
.720	Electromagnetic sweeper	22.79
<b>84.000</b>	<b>SPRAYING EQUIPMENT</b>	
.200	Ultra-low volume aerosol generator, for insecticide	9.92
	<b><i>Hydraulic pressure type sprayer - for applying liquid insecticide or weed killer through nozzles (not including truck)</i></b>	
84.301	Under 60 gallon tank capacity	4.64
.302	60 gallon minimum tank capacity	8.80
.303	200 gallon minimum tank capacity	16.53
.400	Spray boom attachment (not including truck, or trailer)	6.33
84.500	Meter, mix and flow or spray type sprayer - for applying epoxy and polyester resins and polyurethane foams	14.15
<b>85.000</b>	<b>LOADERS - CONVEYOR TYPE</b>	
	<b><i>Engine driven</i></b>	
85.100	Not self-propelled or feeding	35.11
85.101	Not self-propelled or feeding, with hopper box bin (minimum 10 cubic yard capacity)	31.51
	<b><i>Self-feeding</i></b>	
85.102	Not self-propelled	23.78
	<b><i>Self-feeding and self-propelled</i></b>	

85.104	2 cubic yard per minute minimum	18.80
.105	6 cubic yard Per minute minimum	93.01
	<b><i>Front End Loaders: Bucket loader - attachment only - used with tractor code 70.000 series - tractor rate not included; or truck code series 12.000 - truck rate not included. Classified by rated capacity of bucket.</i></b>	
85.301	Under 1/3 cubic yard bucket	3.63
.302	1/3 cubic yard bucket minimum	4.58
.303	½ cubic yard bucket minimum	4.48
.304	1 cubic yard bucket minimum	6.38
.305	1 5/8 cubic yard bucket minimum	8.27
.306	2 ¼ cubic yard bucket minimum	8.52
.307	3 cubic yard bucket minimum	9.84
.400	Snow bucket (used for snow removal only)	5.38
85.450	Guardrail Scuffer (hydraulic)	5.09
85.500	Pincher bucket	5.05
<b>86.000</b>	<b>PAINT EQUIPMENT</b>	
	<b><i>Pavement markers</i></b>	
86.200	Push type striper - using power, activated by compressed air and L.P. gas (without compressor)	7.16
.201	Push type - felt roller or brush	9.02
	<b><i>Hand guided - engine powered</i></b>	
86.202	Not self-propelled	18.54
.203	Self-propelled	30.96
	<b><i>Truck mounted without truck</i></b>	
86.205	Multiple line application	60.85
	<b><i>Integral unit, self-propelled, multiple line application</i></b>	
86.206	Under 30 gallon capacity	49.81
.207	30 gallon minimum capacity	75.67
.210	Traffic line remover - with 6 h.p. engine - self propelled	33.44
.212	Traffic line remover - hand propelled	6.56
.220	Roll type stripper machine, manual, portable double line 4" width	1.88
.225	Airless paint sprayer	5.69

<b>87.000</b>	<b>COMPRESSORS - (including tools and attachments)</b>	
87.100	Under 60 c.f.m.	1.82
.200	60 c.f.m. minimum	2.72
.300	120 c.f.m. minimum	6.15
.400	180 c.f.m. minimum	8.14
.500	240 c.f.m. minimum	13.19
<b>88.000</b>	<b>PUMPS</b>	
	<i>Centrifugal - water or brine only (classified by outlet size)</i>	
88.101	Under 3"	5.10
.102	3" minimum	7.93
.103	4" minimum	9.38
.104	6" minimum	13.42
.105	Quarry - (10 inch minimum outlet)	7.16
.120	Piston pump	13.53
.200	Diaphragm	17.28
.300	Rotary	7.22
.400	Pneumatic	6.33
88.521	High pressure pumps - under 50 gal. p/minute	6.34
.550	Fuel tank transfer pump, with meter & pump	.70
.600	Well point system - complete with pumps, well points, etc.	49.98
<b>89.000</b>	<b>ROLLERS</b>	
	<i>Towed type - cylinder (steel rollers)</i>	
89.101	1 ton	4.04
89.102	2 tons	5.82
.103	Sheepsfoot	4.78
.104	Compactor (concrete core, rubber-tire covered)	4.69
.105	Aerifier - (rubber-tired or with 3 point hitch)	4.95
.110	Patch roller (attachment to truck, hydraulic operated)	10.16
	<i>Rubber-tired (rated with full ballast) towed type</i>	
89.151	Under 11 tons	8.71
.152	11 tons minimum	12.80

89.153	13 tons minimum	16.58
.154	15 tons minimum	16.98
	<b><i>Self-propelled - steel rollers</i></b>	
89.201	Under 6 tons	13.02
.202	6 tons minimum	31.69
.203	9 tons minimum	34.17
	<b><i>Self-propelled - rubber rollers</i></b>	
89.301	Under 6 tons	25.93
.302	6 tons minimum	31.75
.303	9 tons minimum	28.99
89.400	Vibratory compactor, power driven, hand guided, 12" minimum width	9.25
.401	Vibratory compactor, power driven, tractor attachment - 36" minimum width	14.48
.402	Vibratory compactor, self-propelled (manufactured as a complete integral unit), 8' min. width	51.13
.404	Vibratory compactor, self-propelled (manufactured as a complete integral unit), 3' min. width	33.14
<b>90.000</b>	<b>MIXERS – SOILS</b>	
90.050	With power takeoff, 10" maximum mixing depth	11.86
.100	With power take off over 11" mixing depth (not including tractor)	26.93
.200	Motorized pull type (not including tractor)	43.07
90.300	Integral unit for bituminous mix with spray bar, pump, etc. (self-propelled)	95.52
.400	Small hand guided for gardening with motor	7.50
<b>91.000</b>	<b>TANKS</b>	
	<b><i>Tanks - water, brine, or emulsion only</i></b>	
91.100	Under 500 gals.	3.93
.101	500 gals. minimum	6.33
.102	1,250 gals. minimum	11.68
.103	2,200 gals. minimum	13.03
.104	4,000 gals. minimum	15.53
.105	6,000 gals. minimum	23.61

	<b><i>Tanks with integrated running gear - water, brine or emulsion only</i></b>	
91.200	Under 500 gals.	6.27
.201	500 gals. minimum	9.95
.202	1,250 gals. minimum	15.41
.203	2,250 gals. minimum	15.83
.204	4,000 gals. minimum	17.18
.205	6,000 gals. minimum	19.16
<b>92.000</b>	<b>AGGREGATE EQUIPMENT</b>	
	<b><i>Crushing plant- manufactured weight of rolls and/or jaws</i></b>	
92.101	Under 6,750 lbs.	96.26
.103	13,500 lbs. minimum	112.15
.104	27,000 lbs. minimum	141.01
.180	Screening plant (roller cone type)	26.83
92.200	Screening plant	52.93
.300	Screen - attachment to loader, 2' x 6'	14.53
	<b><i>Spreaders – Aggregate</i></b>	
92.401	Self-propelled	106.09
92.402	Towed type for shoulder surfacing with engine driven conveyer (not including truck)	59.42
92.403	Towed type, roller or auger (without spinner), hydraulic, chain motor, traction or truck tire friction drive	58.89
92.404	Pushed type for shoulder surfacing with engine driven conveyor (not including motor grader)	83.57
.405	Push type for shoulder surfacing, hydraulic driven by grader (not including grader)	36.14
.500	Measuring box	11.36
	<b><i>Trailers - V-bottom type and/or semi-dump</i></b>	
92.601	Under 11 ½ cubic yard capacity	12.68
.602	11 ½ cubic yard capacity	14.94
.603	14 cubic yard capacity	15.43
.604	17 ½ cubic yard capacity	15.85
.605	25 cubic yard capacity	19.97

<b>93.000</b>	<b>AERIAL EQUIPMENT - (not including truck)</b>	
93.100	Ladder and attachment	1.60
	<i>Tower and/or platform (hydraulic)</i>	
93.200	Under 34' height (ground to platform)	3.82
.300	34' minimum height (ground to platform)	4.38
.400	50' minimum height (ground to platform)	4.74
93.600	Platform, towed-scissor lift type (self-propelled at job site)	68.35
<b>94.000</b>	<b>MUD JACKS</b>	
.200	Pavement - (without truck)	54.33
<b>95.000</b>	<b>LIFTS</b>	
.200	Winch	3.78
.300	Industrial fork lift truck	58.54
.350	Hydraulic or electric tailgate lift (minimum lift - 1000 lbs.)	.53
95.370	Electric crane - 360 degree rotation	13.32
.400	Lifting equipment (hydraulic) truck mounted - not including truck - boom raises and lowers and swings 360 degrees	3.06
95.500	Monorail and electric hoist (truck mounted - not including truck)	19.09
95.550	Sign trailer	18.81
<b>96.000</b>	<b>MISCELLANEOUS EQUIPMENT</b>	
96.001	Cellular phone	.47
.002	Skull cracker (iron ball)	4.28
96.003	Hammer (gasoline)	7.94
.004	"loadometer" - each	2.34
.005	Portable electric sander - disc or belt type	2.53
.006	Radio - two way system each mobile unit	.26
.007	Wheel loader weighing system	6.72
.008	Distance measuring instrument	.11
.009	Traffic system analyzer	.21
.010	Traffic counter	.56
.011	Ventilator, remote gas monitor, & winch with full body harness	.72
.012	Welder, electric or gas	6.98
.013	Back pack blower	2.56

96.014	Air-broom (powered)	5.29
.015	Portable electric drill or hammer	4.29
.016	Portable electric saw	6.19
.017	Density kit (complete unit)	6.36
.018	Sign washer, port. (brush type) engine driven	23.21
.019	Flasher panel, portable (minimum 2' x 4') truck mounted	.70
.020	Flasher panel with sequential flashing lights that produce a traveling arrow effect - electrically powered (minimum size 4'x 8')	3.39
	<b><i>Electric generators - portable</i></b>	
96.021	AC rating 999 watts of less	5.32
.022	AC rating 1,000 watts minimum	6.17
.023	AC rating 2,500 watts minimum	2.22
96.024	AC rating 10,000 watts minimum	12.85
.025	AC rating 30,000 watts minimum	16.72
.026	AC rating 70,000 watts minimum	14.17
.030	Ultrasonic globe washer	2.20
96.040	Changeable message sign, portable	19.56
96.041	Rear observation camera system	.35
96.042	Portable torque wrench, with computer controller (battery powered)	2.48
.045	Portable light tower	2.74
96.046	Portable traffic signal	5.70
96.050	Vehicle mounted impact attenuator	3.63
.051	Trailer mounted impact attenuator (including trailer)	18.40
.060	Mats - for crane or tractor	.84
96.070	Cold water pressure washer	2.25
.071	Hot water pressure washer	21.41
.100	Outboard motor	1.70
.102	Pole trailer	5.69
.105	Landscape trailer (includes tool boxes)	2.35
.106	Traffic Cone Setter, Platform, (hitch mounted)	2.29
.107	GPS Locator – truck mounted, each mobile unit	1.12
.108	Radar unit hand held	1.42

96.109	GPS handheld unit	3.51
.110	TV sewer inspection unit (truck mounted, including truck)	67.47
96.111	TV sewer inspection unit (portable)	12.00
.115	Nuclear moisture-density gauges	5.99
.118	Utility locator	2.66
.120	Floor scrubber and waxer	.80
.130	Slope & geometric data acquisition system	8.49
.145	Bridge scaffolding hangers	8.54
.150	Trench box	5.41
.151	Manhole box	5.74
.160	Portable space heater	3.96
.170	Emergency Traffic Control Trailer (includes dedicated generator, halogen lights and traffic control barricades)	96.10
.180	Speed Monitoring Trailer	2.01
	<b>Hydraulic power unit (portable) including tools &amp; attach.</b>	
96.200	Under 2000 P.S.I.	2.31
.201	2000 P.S.I. minimum	4.86
.202	Hydraulic post straightener	.69
.205	Hydraulic or pneumatic pole tamper	6.24
.206	Hydraulic concrete breaker	6.79
.210	Hydraulic cutoff saw - abrasive wheel	8.93
.250	Mobile hydraulic hammer - complete integral unit	63.88
.270	Hydraulic drop hammer attachment to tractor - 1000 lbs. minimum striker weight	12.66
96.280	Hydraulic impact wrench with hoses	5.15
.290	Fastening tool for stud anchors and nails	4.00
	<b>Sandblast machines without compressors</b>	
96.300	Under 150 lbs.	7.07
.301	150 lbs. minimum capacity	9.67
.302	300 lbs. minimum capacity	15.62
96.303	600 lbs. minimum capacity	21.86
.401	Pontoon boat	5.54
.405	Row boat 7' minimum	4.22

96.408	Snow mobile	10.99
96.409	Track setter	12.82
.415	All terrain utility vehicle w/pickup bed	12.00
	<b><i>Axle dollies - to convert semi-trailer to full trailer</i></b>	
96.420	Single axle	2.95
.421	Tandem axle	2.81
	<b><i>Flasher - barricades - complete unit with lights and generator, trailer mounted (classified by rated capacity of generators)</i></b>	
96.501	AC rating 999 watts or less	8.23
.502	AC rating 1,000 watts minimum	8.67
.503	AC rating 2,500 watts minimum	14.74
.504	AC rating 10,000 watts minimum	15.40
.601	Pile hammer (diesel) complete with leads, guides drive, cap, etc.	43.78
.610	Hydraulic vibratory pile driver/extractor	40.35
.650	Air or hydraulic demolition impact hammer attach. (including tool)	30.35
.701	Drop hammer - 2,000 lbs. minimum weight	4.38
.750	Halogen arrow bar (roof mounted)	.20
.755	Temperature sensor, truck mounted, relates road temperature to air temperature	.06
.800	Barricade, flashing arrow, trailer mounted-DC	4.67
.900	Barricade, flashing arrow, truck mounted-DC	1.35

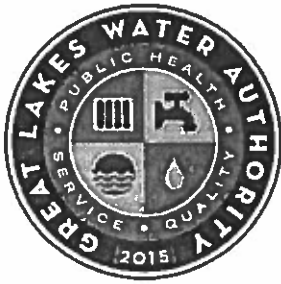
AERIAL EQUIPMENT .....	19, 20	Ditcher - Trenchers .....	4
AERIAL EQUIPMENT - (not including truck) .....	20	Drawn Graders.....	6
Aerifier.....	17	Driver, Fence or sign post.....	11
AGGREGATE EQUIPMENT .....	19	Drop hammer .....	23
Air-broom (powered) .....	21	Earth Haulers .....	7
Axle dollies.....	23	Eductors.....	8
Barricades, Flasher .....	23	Electric generators - portable .....	21
Bituminous curb laying machine.....	3	Excavators .....	6
BITUMINOUS DISTRIBUTORS .....	2	Extendable Boom (non-hydraulic).....	7
Bituminous Kettles .....	2	FARM EQUIPMENT.....	11
Bituminous Mixers.....	3	Flasher - barricades .....	23
Bituminous spreader .....	3	Flasher panel .....	21
Bituminous supply tank .....	4	Generators, Electric - portable .....	21
Bituminous tool Heater.....	3	Grade-slope-shoulder cutter .....	5
Blade control (automatic) attachment... 5		Hammer (gasoline).....	20
Blade rake with brush guard (attachment to bulldozer blade) .....	5	Heater, Bituminous Materials .....	3
Blade shock absorber .....	5	Heater, Bituminous tool.....	3
Boat, Pontoon & Row.....	22	Heater, Surface .....	3
Boring unit.....	12	Heaters, Tank Car.....	3
Bridge abutment forms.....	4	Hydraulic impact wrench .....	22
Bridge scaffolding hangers.....	22	Hydraulic platform for post(digging-driving-pulling) .....	12
Broom, Self-propelled power.....	14	Hydraulic post straightener .....	22
Broom, Tractor or loader attachment .	14	Hydraulic power unit.....	22
Brooms, Towed .....	14	Hydraulic wrist.....	7
Brush or tree chipper.....	13	Hydro seeder .....	11
Brush saw .....	13	Landscape trailer.....	21
Bulldozer blades.....	5	Lawn mowers .....	12
Bus.....	1	LIFTS .....	20
Buzz saw.....	13	<i>Loader, Tractor shovel</i> .....	6
Camper Body .....	2	LOADERS - conveyor type .....	15
Car .....	1	Maintainers .....	6
Catch Basin Cleaners .....	8	Manhole box .....	22
Cellular phone .....	20	MISCELLANEOUS EQUIPMENT .....	20
CEMENT MIXERS .....	4	Mixer, Transit .....	4
Chain saws .....	13	MIXERS - SOILS.....	18
Chipper, Brush .....	13	Motor Graders.....	5
Chipper, brush or tree .....	13	MOWING EQUIPMENT .....	12
Compactor, Vibratory .....	18	MUD JACKS .....	20
Compost turner .....	15	PAINT EQUIPMENT .....	16
COMPRESSORS.....	17	Pallet Lifter .....	7
Concrete core drill unit .....	12	Pavement markers .....	16
Concrete Grooving Machine .....	4	Phone, Cellular.....	20
Concrete Pavement Saw .....	4	Pole trailer.....	21
Crushing plant.....	19	Pontoon boat.....	22
Cutter, Stump .....	14	PORTABLE TRUCK SCALES.....	3
Density kit .....	21	Post hole digger .....	11
Distance measuring instrument.....	20	Power earth auger.....	11

Power rock or earth drill - vehicle		Sod cutters .....	12
mounted .....	12	Spade, Tree .....	14
Puller, Fence or sign post .....	11	Spray boom attachment .....	15
PUMPS .....	17	SPRAYING EQUIPMENT .....	15
Radio - two way system each mobile		Spreader, Mulch.....	11
unit.....	20	Spreaders - Aggregate.....	19
Rakes, Hay .....	12	Spreaders, Tailgate type .....	9
Rakes, Stone.....	12	Spreaders, Towed type .....	9
Refuse collector .....	15	Steam Thawing Equipment .....	8
Reversible snow plows.....	9	STREET CLEANING EQUIPMENT ...	14
Road magnet .....	15	Stump cutter.....	14
Rock ripper.....	5	Sweepers, Street.....	14
Roller, Heated asphalt.....	3	Tanks - water, brine, or emulsion only	18
ROLLERS .....	17	TRACTORS - Wheel or crawler .....	11
Roto-wing.....	9	Traffic counter .....	20
Sandblast machines without		TRAILERS .....	1
compressors .....	22	TRAILERS (Flat Bottom Type).....	1
Saw, Brush.....	13	Trailers - V-bottom type and/or semi-	
Saw, Reciprocating .....	13	dump .....	19
Saws, Chain.....	13	TREE EQUIPMENT .....	13
Scarifier .....	5	Tree spade .....	14
Scraper, Underbody .....	7	Trench box .....	22
Screed Vibrating.....	4	TRUCK SCALES, Portable .....	3
Screening plant .....	19	Trucks .....	1
Sewer Cleaning Equipment.....	8	Underbody Scraper .....	7
Sign washer, port. ....	21	Utility locator .....	22
Snow bucket .....	16	Vacuum type litter picker.....	15
Snow mobile .....	22	Vibrator, Concrete .....	4
Snow plow wings.....	9	Welder, electric or gas .....	20
Snow Plows .....	8, 9	Windrow eliminator.....	6
Snow wing attachment.....	5		

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**Shared Services Agreement  
Schedule  
Operations: Field Service MISS DIG**



Shared Service Schedule #	OPS-002
Service Provider	City of Detroit / Detroit Water and Sewerage Department - Retail
Service Subscriber	Great Lakes Water Authority
Description of Service	<p>The primary service will provide underground locating and staking/flagging services including ticket routing for Subscriber water and sewer pipes within the city of Detroit.</p> <p>A secondary service will include ticket routing outside the city of Detroit and for as-needed staffing based on ticket volume.</p>
Description of Requirements, Level of Service, Hours of Service	<p><u>Hours of Service:</u> 24 Hours per Day, 7 Days a week</p> <p><u>Level of Service:</u></p> <ul style="list-style-type: none"> <li>• Regular Staking Requests 72 Hour Response</li> <li>• Emergency Staking Requests (3 Hour Response)</li> <li>• Rush and Short Notice Requests (Less than 72 Hours but not an Emergency)</li> <li>• Positive Response Entry (i.e. validating the presence of the utility and posting to the MISS DIG system)</li> <li>• Attend On Site Meeting Request</li> </ul> <p><u>Level of Service (Typical):</u> Provider shall provide all locating and staking services for MISS DIG requests received during the off-peak construction season November 1<sup>st</sup> – April 30 within the city. During peak construction periods MISS DIG services may be provided by a third party Contractor on behalf of Provider. Provider shall be responsible for all contract management associated with MISS DIG services.</p> <p><u>Reporting:</u> Subscriber shall have access to MISS DIG system for tracking ticket statistics.</p>
Related Services	N/A
Assumptions, Dependencies, and Requirements	Subscriber shall provide updated maps of infrastructure via print, electronic media or Geographic Information System Data to Provider.

	Subscriber shall provide updated prints as system changes have occurred and been catalogued to Provider. Provider will not be held liable for damages resulting from incomplete or incorrect data updated by Subscriber.
Space/Location	City of Detroit
Staffing	Five (5) Provider Inspectors (includes supervisor) Year Round with as needed supplement by Contractual Services during peak season of May 1 <sup>st</sup> -October 31 <sup>st</sup>
Duration (phasing), extensions	This Schedule expires June 30, 2017. Primary and secondary services can be handled together or separately.
Cost Methodology	<p><b><u>Phase 1 Cost:</u></b></p> <p>The MISS DIG Shared Service Schedule cost was based upon the 2015-2016 approved budget cost center for Field Engineering. This cost includes labor, fringe benefits, contractual services, supplies, repairs &amp; maintenance, and other direct costs.</p> <ol style="list-style-type: none"> <li>1. Because the cost for all MISS DIG Services was included in the overall Field Engineering budget the cost center, an allocation was developed to split the total budget for the cost center based on the annual hours for personnel performing MISS DIG services versus other tasks within the field engineering cost center. (39% MISS DIG/61% Other Engineering)</li> <li>2. During the process it was discovered that the annual costs associated with MISS DIG subscription was not fully budgeted, we made an adjustment which consisted of subtracting \$3,900 which was budgeting and adding \$16,221 instead to fully cover the costs for annual fees.</li> <li>3. Next the budget was bifurcated for DWSDR and GLWA direct costs based on employed FTEs. (79% DWSDR and 21% GLWAS)</li> <li>4. The next split to determine the work within the city that affected both GLWA and DWSDR assets was estimated to be 33% based on MISS DIG staff research.</li> <li>5. The final split was to split the cost by 50% to share that cost evenly between DWSDR and GLWA.</li> </ol> <p><b><u>Phase 2 Cost:</u></b> A time study will be conducted to determine and quantify the time spent locating common to all assets. The result of this study will determine the actual cost for tickets associated with common to all asset locating. This study will be completed within 12 months after the effective date of the lease (December 31, 2016) and will be the basis for future costs within future budgets, beginning with the Budget for Fiscal Year 2018.</p>

	<p><b>As Needed Cost:</b>  As Needed service will be provided and billed on a time of ticket basis at the following rates:  The rates will be provided by DWSDR based on budgeted average salaries including fringe benefits based on the classifications performing the tasks.</p>
	<p><b>Damages:</b>  Parties shall meet to determine responsibility associated with damages resulting from staking inaccuracies. Cost associated with those damages shall be incurred by the responsible party. Provider will not be held liable for damages resulting from incomplete or incorrect data updated by Subscriber.</p>
Separation Costs	<p>Separation Costs are anticipated as follows:  Stranded Costs associated with employee layoffs, including unemployment benefits.  Transition Costs associated with transferring records of the Services provided to Subscriber's new MISS DIG records system.</p>
Frequency of Payment (if other than monthly)	N/A
Notice of Termination of Entire Service or Element	Either Party may terminate this schedule upon 180 days advance written notice to the other Party.
Contact for City/DWSD – R	Title: Deputy Director/Chief Engineer
Contact for GLWA	Title: Chief Operating Officer
List of Exhibits & Attachments	Exhibit A: Cost Methodology Initial Allocation
Approved for GLWA (w/Date):	Sue McCormick (12/9/2015)
Approved for City/DWSD-R (w/Date):	Gary Brown (12/9/2015)
Effective Date:	January 1, 2016

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**EXHIBIT A**  
**COST METHODOLOGY INITIAL ALLOCATION**

# Cost Allocation Calculations for OPS-002 Field Services MISS DIG

OWSD BUDGET DETAIL from Approved Budget FY 2016

		Field Engineering 412411
		FY16 Budget
<u>GL Account</u>	<u>Expense Description</u>	
601100	Salaries-Full Time	1,144,368
601300	Salaries - Overtime	222,000
601400	Salaries-Shift Premium	-
601500	Salaries-Holiday Premium	-
602100	Wages- Full Time	-
602300	Wages- Overtime	-
602400	Wages- Shift Premium	-
602500	Wages- Holiday Premium	-
603100	Emp Benefits-Pensions	65,801
603101	Emp Benefits-Pension-UAAL	-
603120	Non Actuarial	-
603200	Emp Benefits-Hospitalization	169,897
603220	Empl Ben-Hosp General Retiree	-
603300	Emp Benefits-Social Security	87,544
603400	Unemployment	4,292
603405	Workers' Compensation	35,191
603900	Emp Benefits-Miscellaneous	741
604100	Other Comp-Unused Sick Leave	31,823
604200	Other Comp-Longevity	-
605100	Group Life Insurance	3,606
605200	Eye Care Premium	-
605205	Eye Care-Active Civilian	1,677
605210	Eye Care-Retired Civilian	-
605700	Health Care Reserve	22,887
605415	Service Death	-
605500	Income Protection	752
605620	Dental Active	14,717
605640	Dental Retired	-
611200	Auditing	-
613100	Legal	-
616100	Consultant Fees-Mgt Consult	-
617200	Contract Scv-Bldg Maint-Misc	-
617400	Contract Services-Info Tech.	-
617900	Contract Svcs-Other-Misc	-
617903	Pers Servs Contract-Pd On P/R	-
620100	Office Supplies	10,000
621100	Oper Supplies-Medical	-
621300	Oper Supplies-Automotive	-
621400	Oper Supplies-Janitorial	-
621500	Oper Supplies-Fuel	-
621600	Operating Supplies-Chemicals	-
621900	Oper Supplies-Miscellaneous	10,000
622100	Repairs & Maint-Automotive	-
622200	Repairs & Maint-Bldgs&Ground	-
622300	Repairs & Maint-Equipment	-
622301	Hardware Maintenance	-
622302	Software Maintenance	-
622400	Repairs & Maint-Facilities	-
622900	Repairs & Maint-Misc	-
623100	Uniforms, Laundry, Cleaning	-
626010	Advertising	-
626100	Printing	-
626300	Insurance Premium	-
626310	Insurance- Other	-
626400	Rentals- Buildings	-
626410	Rentals- Computers	-
626415	Rentals- Office Equipment	-
626430	Rentals- Miscellaneous	-
626500	Dues & Miscellaneous	-
626600	Postage	-
626700	Telecommunications	-
626702	Data Com Equip	-
626800	Utilities	-
626801	Utilities-Water	-

STEP 1

## Cost Allocation Calculations for OPS-002 Field Services MISS DIG

DWSD BUDGET DETAIL from Approved Budget FY 2016

	Section	Field Engineering	
	626802 Utilities-Gas	-	
	626803 Utilities-Steam	-	
	626804 Utilities-Electricity	-	
	626805 Utilities-Sewage	-	
	626806 Utilities-Pld Electricity	-	
	627105 Private Car Reimbursements	-	
	627110 Purchased Services - Other	-	
	627135 Pur Svcs-Law Dept	-	
	627140 Pur Svcs-Staff Services	-	
	627175 Pur Svcs-Personnel	-	
	627190 Pur Svcs-Shared Svcs Chg	-	
	627195 Employee Uniform Expense	-	
	627225 Other Oper Svc-Miscellaneous	-	
	627230 Employee Parking	-	
	627255 Photographic Service	-	
	628100 Travel	-	
	628200 Training	-	
	628208 Training-Tuition Reimbursement	-	
	628500 Miscellaneous Expense	-	
	628501 Misc-License,Insp&Permit Fees	10,000	
	628508 Violation Penalties	-	
	633100 Major Rep - Plant Equipment	-	
	633150 Major Rep - Other Equip	-	
	644111 Capital Outlay - Equipment - Other Plant	-	
	644114 Capital Outlay Equipment Office Furniture	-	
	644900 Acquisitions - Fixed Asset - Other	-	
	645260 Capital Outlay - Equipment Transportation	-	
	661100 Damage Claims	-	
	703100 Interest On Bonded Debt	-	
	704100 Retirement Of Debt-Principal	-	
	707100 Property Taxes	-	
	711700 Bad Debts	-	
		-----	
	Total GROSS Budget	1,835,298	
	MISS DIG (39% of FTE Annual Hours)	715,766	
	Adjustments:		
	LESS: Misc-License,Insp&Permit Fees	(3,900)	Does Not Fully Include MISS Dig Annual Fee
	ADD: MISS DIG Annual Fee	16,176	Provided by M. Jabber
	Total MISS DIG FY16 Budget	728,042	
STEP 3	DWSD-R Budget	575,153	79% Based on Direct FTE Split
	GLWA Budget	152,889	21% Based on Direct FTE Split
STEP 4	DWSD-R Budget	575,153	
	% of MISS DIG Work within City w/ GLWA and DWSDR Assets (33%)	189,801	
STEP 5	50/50 Cost Share of Shared Work	94,900	GLWA Portiona of Total
	Monthly Expense for GLWA Shared Services	7,908	

# Cost Allocation Calculations for OPS-002 Field Services MISS DIG

FTE Allocation Based on Employer

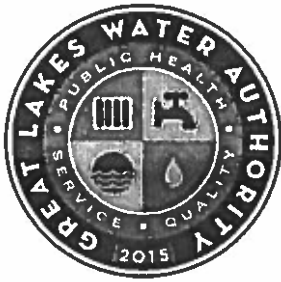
STEP 1	Total Field Engineering	FTEs	23
	MISS DIG (DWSD+GLWA)	FTEs	9
	MISS DIG % FTEs		39%

	Inspection Type	Regular Hrs	Rate/hr	Premlu m Hrs	rate/hr	Regular Wages	OT Wages	Total	Employer	
STEP 3	Engineer	2080	27.11	260	40.66	56,389	10,572	66,960	DWSDR	
	Assistant Engineer	2080	24.22	260	36.33	50,378	9,446	59,823	DWSDR	
	Senior Inspector	2080	23.64	520	35.46	49,171	18,439	67,610	DWSDR	
	Inspector	2080	19.13	520	28.69	39,790	14,919	54,709	DWSDR	
	Inspector	2080	19.13	520	28.69	39,790	14,919	54,709	DWSDR	
	Inspector	2080	19.13	520	28.69	39,790	14,919	54,709	DWSDR	
	Inspector	2080	19.13	520	28.69	39,790	14,919	54,709	DWSDR	
	Inspector	2080	19.13	520	28.69	39,790	14,919	54,709	GLWA	
	Inspector	2080	19.13	520	28.69	39,790	14,919	54,709	GLWA	
	Total		18720		4160		394,680	127,969	522,649	
								GLWA	109,418	21%
								DWSDR	413,231	79%
									522,649	

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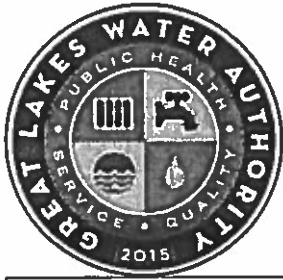
**Shared Services Agreement  
Schedule  
Operations: Field Services Investigation**



Shared Service Schedule #	OPS-003
Service Provider	City of Detroit / Detroit Water and Sewerage Department - Retail
Service Subscriber	Great Lakes Water Authority
Description of Service	Provide field investigation for water main and sewer infrastructure issues that occur within the City of Detroit that contain both Provider and Subscriber infrastructure.
Description of Requirements, Level of Service, Hours of Service	<p><u>Hours of Service:</u> 24 Hours per Day, 7 Days a week</p> <p><u>Level of Service:</u></p> <ul style="list-style-type: none"> <li>• Initial site investigation for water main and sewer issues</li> <li>• Contact Subscriber representative</li> <li>• Site stabilization as required to protect public health and safety</li> </ul> <p><u>Level of Service (Typical):</u> Provider shall provide initial site investigation of leaks, breaks or sinkholes which occur in the City of Detroit. If initial investigation indicates a Subscriber asset may be the cause of the failure, Provider will notify Subscriber within 15 minutes of determining responsibility. Subscriber shall be responsible for authorizing repairs.</p> <p>If public health and safety may be compromised, Provider shall stabilize the situation by operating associated gate and valve infrastructure and securing the site until released by Subscriber.</p> <p><u>Reporting:</u> Invoice submitted to Subscriber shall include contractor/Provider inspector field reports, photographs, or other documentation of work completed.</p>
Related Services	As Needed Services and Contracts for excavation if required to determine Subscriber or Provider asset failure.
Assumptions, Dependencies, and Requirements	
Space/Location	All Subscriber operated and maintained lineal infrastructure within the City of Detroit.
Staffing	Provider Investigators Contract resources as necessary

Duration (phasing), extensions	The term of this schedule shall run concurrent with the term of the Water and Sewer Services Agreement.
Cost Methodology	<b>Investigation Cost:</b> No cost for initial investigation to determine responsibility.
	<b>Third Party, Management, or One-Time Costs:</b> Subscriber may authorize Provider to engage a contractor in a response. Subscriber shall pay the cost of the contractor.
	The Field Investigations will be charged based upon ACTUAL hourly rates, fringe benefits and equipment rates of employees performing the actual work. Direct charges for needed contractor services and materials and supplies will also apply. Equipment rates will be based upon the published rates in the Michigan Department of Transportation Report 375 updated annually for Jan 1 – Dec 31 of each year. No additional administrative or program management costs will be charged.  The costs will be based on a “per incident basis” and the details and requirements for the billing are described in the operational protocols.
Separation Costs	The Parties do not anticipate any Separation Costs associated with the termination of this Schedule.
Frequency of Payment (if other than monthly)	
Notice of Termination of Entire Service or Element	N/A
Contact for City/DWSD – R	Title: Deputy Director, Chief Engineer
Contact for GLWA	Title: Chief Operating Officer
List of Exhibits & Attachments	MDOT Report 375 – Equipment Rental Rates, Schedule C
Approved for GLWA (w/ Date):	Sue McCormick (12/9/2015)
Approved for DWSD-R (w/ Date):	Gary Brown (12/9/2015)
Effective Date:	January 1, 2016

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**Shared Services Agreement  
Schedule  
Operations: Water Quality**



Shared Service Schedule #	OPS-004
Service Provider	Great Lakes Water Authority
Service Subscriber	City of Detroit / Detroit Water and Sewerage Department - Retail
Description of Service	Provide sample collection, analysis and reporting for water quality to meet regulatory requirements. Prepare the Consumer Confidence Report for the Detroit retail system.
Description of Requirements, Level of Service, Hours of Service	<p><u>Level of Service:</u> The following service protocols will apply for the types of sampling activities described below (reference current years' regulatory schedule):</p> <ul style="list-style-type: none"> <li>• <i>Total Coliform Rule (TCR) Samples-</i> Sampling, testing and reporting for regulatory compliance (minimum of 54 samples per month).</li> <li>• <i>Lead and Copper Rule (LCR) Samples-</i> Provider will provide all program management for this function including bottle distribution and collection, as well as, customer service needed to ensure customers sample their service in a timely manner for compliance with the LCR on behalf of Subscriber. Next sample cycle begins in 2017. Fifty samples every 3 years in the 4 month monitoring period from June through September.</li> <li>• <i>Disinfectant By Product Rule (DBPR) Stage 2-</i> Three THM-HAA paired samples quarterly every year.</li> <li>• <i>Unregulated Contaminant Monitoring Rule (UCMR) Samples-</i> Provider will provide all program management and related services for compliance with UCMR on behalf of Subscriber. Currently required every six years. Sampling and analysis requirements will vary.</li> <li>• <i>Water Quality Complaint Sampling-</i> Subscriber will contact Provider to perform water quality complaint sampling based on customer calls received. Provider will be required to collect samples, test and report results within 14 days of sample collection.</li> <li>• <i>Disinfection and Bacteriological Sampling:</i> Provider will perform bacteriologic sampling of new water mains or service lines within the City of Detroit. For new water main projects, Provider will use plans submitted by Subscriber Engineering and perform sampling. For water main repairs, Subscriber Field Services will contact Provider Water Quality of the need for service. Provider will perform disinfection services and sampling for water main repair. Provider will be required to collect samples, test and report results in accordance with AWWA standards.</li> </ul>

	<ul style="list-style-type: none"> <li><i>Consumer Confidence Report (CCR):</i> Provider will prepare the data and tables for the report and send to Subscriber by April 1 of each year. Information will be provided to Subscriber for layout and approval prior to the distribution of the CCR by Provider.</li> </ul> <p><u>As Needed Services:</u> As changes to regulatory criteria occur, the need for additional water quality services may arise. Subscriber and Provider will meet bi-annually to determine what services if any will be needed.</p>
Related Services	Contract laboratories may be utilized for some analytical services. Cost is included in fixed fee allocation.
Assumptions, Dependencies, and Requirements	
Space/Location	Water Quality Laboratory at Water Works Park Treatment Plant
Staffing	Staffing as required to perform the task.
Duration (phasing), extensions	Water quality services shall be provided until either party provides notice to terminate.
Cost Methodology	<p>The Water Quality Shared Service Agreement cost was based upon the 2016-2017 approved budget cost center Water Quality. This cost includes labor, fringe benefits, contractual services, supplies, repairs &amp; maintenance, and other direct costs.</p> <ol style="list-style-type: none"> <li>The Water Quality manager performed an evaluation of the DWSDR water quality sampling costs and quantities based upon the Fiscal Year 2015 data.</li> <li>The cost center FY2016-2017 budgeted expense for Water Quality was then allocated based upon percentage determined from the evaluation in "1" above.</li> <li>The Total Cost from Step 2 was then divided by 12 to calculate the monthly payment.</li> </ol>
Separation Costs	<p>Separation Costs are anticipated as follows: Stranded Costs associated with the lay-off of employees, including unemployment benefits. Transition Costs associated with transferring records of the Services provided to Subscriber's new data/records system.</p>
Frequency of Payment (if other than monthly)	
Notice of Termination of Entire Service or Element	Either Party may terminate this schedule upon 180 days advance written notice to the other Party.
Contact for City/DWSD – R	Title: Deputy Director/Chief Engineer
Contact for GLWA	Title: Chief Operating Officer
List of Exhibits & Attachments	Exhibit A: Cost Methodology Initial Allocation Exhibit B: MDEQ Drinking Water Monitoring Schedule for current year
Approved for GLWA (w/Date):	Sue McCormick (12/9/2015)
Approved for City/DWSD-R (w/Date):	Gary Brown (12/9/2015)
Effective Date:	January 1, 2016

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**EXHIBIT A**  
**COST METHODOLOGY INITIAL ALLOCATION**

## Cost Allocation Calculations for OPS-004 Water Quality

Water Quality Sample Analysis - Allocation for DWSDR

STEP 1

Percent of Budget 14-15 Budget DWSD-R			
DETROIT	Number of Samples/year	Detroit cost per sample including collection, analysis, and reporting	Annual Detroit cost
Distribution Bacti (3 Parameters)	675	\$ 30.71	\$ 20,732.09
Toxicity	462	\$ 21.75	\$ 10,048.50
HPC	0	\$ 66.60	\$ -
Fluoride	146	\$ 13.13	\$ 1,916.98
Turbidity	31	\$ 3.12	\$ 96.72
Distribution Reporting@	675	\$ 1.44	\$ 972.00
Contractor Bacti (3 Parameters)	468	\$ 30.71	\$ 14,374.25
Contractor Physical (7 Parameters)	157	\$ 42.09	\$ 6,608.00
Contractor Reporting@	468	\$ 75.92	\$ 35,529.27
Customer Bacti (3 Parameters)	77	\$ 73.66	\$ 5,671.45
Customer Physical (7 Parameters)	104	\$ 42.09	\$ 4,377.27
Customer Complaint Inquiries@	463	\$ 38.85	\$ 17,988.65
Customer Complaint Reporting@	463	\$ 72.08	\$ 33,373.97
Compliance letters			
TTHM (Quarterly) (3 Vials)	12	\$ 64.01	\$ 768.12
HAA5 (Quarterly) (3 Vials)	12	\$ 122.51	\$ 1,470.12
LCR Samples triennial cost pick up and delivery to the customers house (50 samples every three years)	18	46.39	\$ 835.02
Cost for CCR 2014 layout, mailing, printing, postage	1	\$ 72,106.80	\$ 72,106.80
<b>Total of Detroit Only Costs based on Budget FY 15</b>	<b>Total</b>		<b>\$ 226,869.20</b>
<b>Water Quality Budget FY 15 Actual Costs</b>			<b>\$ 882,053.79</b>
<b>% of Budget City Only Costs</b>			<b>26.00%</b>
<b>Total FY 2016 Water Quality Budget</b>			<b>\$ 965,918.79</b>
<b>DWSD-R Portion of Water Quality</b>			<b>\$ 251,138.89</b>

## Cost Allocation Calculations for OPS-004 Water Quality

DWSD BUDGET DETAIL from Approved Budget FY 2016

<u>GL Account</u>	<u>Cost Center Description</u> <u>Cost Center</u> <u>Expense Description</u>	<u>Water Quality</u> <u>412121</u> <u>FY16 Budget</u>
601100	Salaries-Full Time	430,458
601300	Salaries - Overtime	25,000
601400	Salaries-Shift Premium	4,950
601500	Salaries-Holiday Premium	3,500
602100	Wages- Full Time	-
602300	Wages- Overtime	25,000
602400	Wages- Shift Premium	4,950
602500	Wages- Holiday Premium	3,500
603100	Emp Benefits-Pensions	24,751
603101	Emp Benefits-Pension-UAAL	-
603120	Non Actuarial	-
603200	Emp Benefits-Hospitalization	68,768
603220	Empl Ben-Hosp General Retiree	-
603300	Emp Benefits-Social Security	32,930
603400	Unemployment	1,737
603405	Workers' Compensation	14,244
603900	Emp Benefits-Miscellaneous	300
604100	Other Comp-Unused Sick Leave	12,881
604200	Other Comp-Longevity	-
605100	Group Life Insurance	1,459
605200	Eye Care Premium	-
605205	Eye Care-Active Civilian	679
605210	Eye Care-Retired Civilian	-
605700	Health Care Reserve	8,609
605415	Service Death	-
605500	Income Protection	304
605620	Dental Active	5,957
605640	Dental Retired	-
611200	Auditing	-
613100	Legal	-
616100	Consultant Fees-Mgt Consult	-
617200	Contract Scv-Bldg Maint-Misc	-
617400	Contract Services-Info Tech.	-
617900	Contract Svcs-Other-Misc	78,815
617903	Pers Servs Contract-Pd On P/R	-
620100	Office Supplies	3,000
621100	Oper Supplies-Medical	-
621300	Oper Supplies-Automotive	-
621400	Oper Supplies-Janitorial	-
621500	Oper Supplies-Fuel	-
621600	Operating Supplies-Chemicals	72,000
621900	Oper Supplies-Miscellaneous	50,000
622100	Repairs & Maint-Automotive	-
622200	Repairs & Maint-Bldgs&Ground	-
622300	Repairs & Maint-Equipment	-
622301	Hardware Maintenance	-
622302	Software Maintenance	-
622400	Repairs & Maint-Facilities	-
622900	Repairs & Maint-Misc	-
623100	Uniforms, Laundry, Cleaning	-

## Cost Allocation Calculations for OPS-004 Water Quality

DWSD BUDGET DETAIL from Approved Budget FY 2016

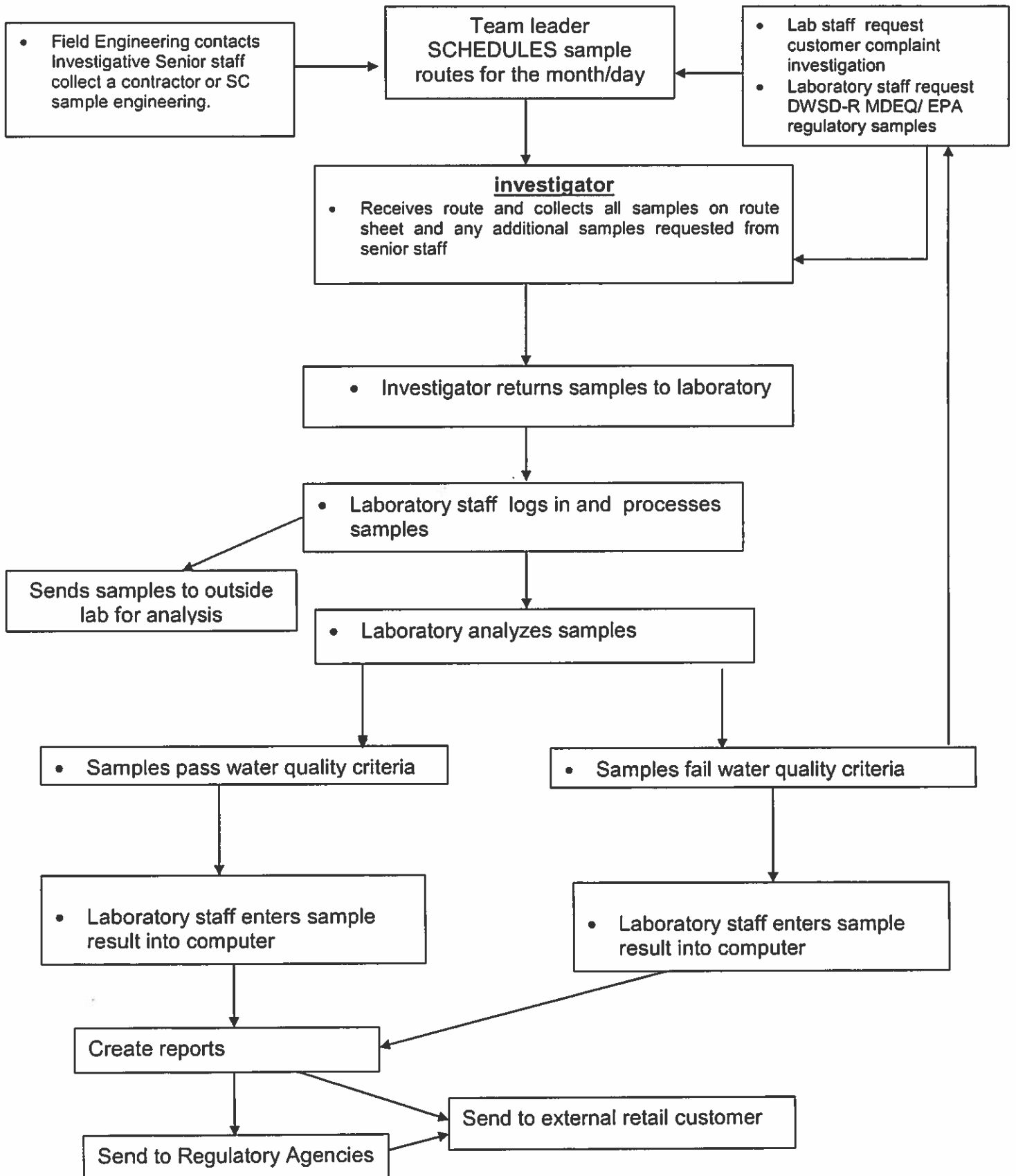
<u>GL Account</u>	<u>Cost Center Description</u> <u>Cost Center</u> <u>Expense Description</u>	<u>Water Quality</u>
		<u>412121</u> <u>FY16 Budget</u>
626010	Advertising	-
626100	Printing	40,000
626300	Insurance Premium	-
626310	Insurance- Other	-
626400	Rentals- Buildings	-
626410	Rentals- Computers	-
626415	Rentals- Office Equipment	-
626430	Rentals- Miscellaneous	-
626500	Dues & Miscellaneous	-
626600	Postage	50,000
626700	Telecommunications	-
626702	Data Com Equip	-
626800	Utilities	-
626801	Utilities-Water	-
626802	Utilities-Gas	-
626803	Utilities-Steam	-
626804	Utilities-Electricity	-
626805	Utilities-Sewage	-
626806	Utilities-Pld Electricity	-
627105	Private Car Reimbursements	250
627110	Purchased Services - Other	-
627135	Pur Svcs-Law Dept	-
627140	Pur Svcs-Staff Services	-
627175	Pur Svcs-Personnel	-
<b>627190</b>	<b>Pur Svcs-Shared Svcs Chg</b>	-
627195	Employee Uniform Expense	-
627225	Other Oper Svc-Miscellaneous	-
627230	Employee Parking	375
627255	Photographic Service	-
628100	Travel	-
628200	Training	-
628208	Training-Tuition Reimbursement	-
628500	Miscellaneous Expense	1,500
628501	Misc-License,Insp&Permit Fees	-
628508	Violation Penalties	-
633100	Major Rep - Plant Equipment	-
633150	Major Rep - Other Equip	-
644111	Capital Outlay - Equipment - Other Plant	-
644114	Capital Outlay Equipment Office Furniture	-
644900	Acquisitions - Fixed Asset - Other	-
645260	Capital Outlay - Equipment Transportation	-
661100	Damage Claims	-
703100	Interest On Bonded Debt	-
704100	Retirement Of Debt-Principal	-
707100	Property Taxes	-
711700	Bad Debts	-
	<b>Total GROSS Budget</b>	<b>965,919</b>

**STEP 2**

	<b>DWSDR % of Workload (26%)</b>	<b>251,139</b>	<b>DWSDR Portion of Total</b>
<b>STEP 3</b>	<b>Monthly Costs</b>	<b>20,928</b>	<b>Monthly Expense for DWSDR Shared Service</b>

**EXHIBIT B**  
**MDEQ DRINKING WATER MONITORING SCHEDULE (AS UPDATED EACH YEAR)**

**GLWA for DWSD-R  
TCR Distribution, Customer Complaint, Contractor, and Other Regulatory Sample  
Work Flow Chart**





RICK SNYDER  
GOVERNOR

STATE OF MICHIGAN  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
SOUTHEAST MICHIGAN DISTRICT OFFICE



DAN WYANT  
DIRECTOR

February 2, 2015

Ms. Mary Lynn Semegen  
Detroit Water and Sewerage  
10100 East Jefferson  
Detroit, Michigan 48214

WSSN: 01800  
City of Detroit  
WAYNE

Dear Ms. Semegen:

SUBJECT: Drinking Water Monitoring Schedule – 2015  
Annual Reports

Enclosed is your Drinking Water Monitoring Schedule for calendar year 2015 outlining the minimum requirements for your public water supply. Collect samples early in the monitoring period of the year indicated on the schedule. If you use a private laboratory you are required to report the results to us within the first ten days of the month following the month that you received the results. To receive credit for monitoring, the "WSSN" (water supply serial number), the "Site Code," and "County" must appear on the sample result. Bottles will NOT be mailed automatically. If you use the DEQ Laboratory, you can order bottles by calling 517-335-8184. Be certain of the EPA sampling and analysis method requirements for hold times.

The Michigan Safe Drinking Water Act requires certain reports be submitted to this office each year. Please remember that cross connection reports and annual pumpage reports are due by March 31, and the Consumer Confidence Report is due by July 1.

Also enclosed is the document "2015 Monitoring and Reporting Requirements." This provides additional details about monitoring and reporting requirements. If you have any questions, please contact me by telephone at 586-506-6137; by email at [johnsons18@michigan.gov](mailto:johnsons18@michigan.gov); or by mail at the address below.

Sincerely,

Stephanie Johnson, P.E.  
District Engineer  
Southeast Michigan District Office  
Office of Drinking Water and Municipal Assistance

Enclosures

cc/enc: Ms. Cheryl Porter, Detroit Water and Sewerage  
Mr. Darryl Latimer, Detroit Water and Sewerage  
Mr. Sunny Jacob, Detroit Water and Sewerage  
Mr. Balvinder Sehgal, Detroit Water and Sewerage  
Mr. Ronald Hayes, Detroit Water and Sewerage  
Ms. JoLisa McDay, Detroit Water and Sewerage  
Mr. Matthew Mangatt, Detroit Water and Sewerage  
Mr. Terry Daniel, Detroit Water and Sewerage

## 2015 Monitoring Schedule

**DETROIT CITY OF**

**WSSN: 01800**

Collect samples early in the monitoring period. This schedule reflects your expected routine monitoring and is subject to change. To receive credit for monitoring, include the WSSN, Site Code, and County on your request for analysis form. Collect Bacteriological and Automated Partial Chemistry samples close to the shipping time and send overnight delivery. Send all sample results to your Department of Environmental Quality (DEQ) district office unless you use the DEQ laboratory. Test codes, sample units, and costs are listed to help you complete the DEQ laboratory form. Prices are subject to change without notice. The DEQ laboratory is closed on state holidays.

### Location: Detroit - Springwells Plant

Collect these samples at the entry point to the distribution system (after treatment, if applicable.)

Sample Type	# Samples/ Frequency	Collect Before	Site Code	Fee	Unit Number	Test Code
Automated Partial Chemistry	This DEQ lab scan includes nitrate, nitrite, fluoride, and sodium whose monitoring frequency requirements differ from one another. Before requesting analyses from a laboratory other than the DEQ laboratory, check with your DEQ district staff for the specific monitoring requirements.					
	1/12 months	09/30/2015	TP100	\$18.00	32	R
Volatile Organic Compounds	1/3 months	Quarterly	TP100	\$100.00	36VO	CXVO
Complete Metals	1/108 months	09/30/2017	TP100	\$102.00	36ME	CMET2
Cyanide	1/12 months	09/30/2015	TP100	\$25.00	36CNa	CCN
SOC - Pesticides	2/36 months	Between 4/1 and 6/30/2017 AND	TP100	\$125.00	36PT	CXPT
SOC - Herbicides	2/36 months		TP100	\$120.00	36HB	CXHB
SOC - Carbamates	2/36 months	Between 7/1 and 9/30/2017	TP100	\$120.00	36LP	CXLP
Gross Alpha (Radiological)	1/108 months	09/30/2023	TP100	Not performed at the DEQ Laboratory. A list of certified labs is at <a href="http://www.michigan.gov/DEQ">www.michigan.gov/DEQ</a> . Select Water, Drinking Water, Community Water Supply, then Certified Labs under Programs and Activities.		
Radium 226 & Radium 228	1/108 months	09/30/2023	TP100			
Total Organic Carbon (TOC)	Pair/Quarterly	Quarterly	TP100	\$35.00	36TO	CTOC
	Monitor for TOC in the source water before any treatment at the same time as monitoring for TOC in the treated water. These samples (source water and treated water) are referred to as "paired samples." Collect the treated water sample not later than the point of combined filter effluent turbidity monitoring and representative of treated water.					

## 2015 Monitoring Schedule

DETROIT CITY OF

WSSN: 01800

Collect samples early in the monitoring period. This schedule reflects your expected routine monitoring and is subject to change. To receive credit for monitoring, include the WSSN, Site Code, and County on your request for analysis form. Collect Bacteriological and Automated Partial Chemistry samples close to the shipping time and send overnight delivery. Send all sample results to your Department of Environmental Quality (DEQ) district office unless you use the DEQ laboratory. Test codes, sample units, and costs are listed to help you complete the DEQ laboratory form. Prices are subject to change without notice. The DEQ laboratory is closed on state holidays.

### Location: Detroit - Northeast Plant

Collect these samples at the entry point to the distribution system (after treatment, if applicable.)

Sample Type	# Samples/ Frequency	Collect Before	Site Code	Fee	Unit Number	Test Code
Automated Partial Chemistry	This DEQ lab scan includes nitrate, nitrite, fluoride, and sodium whose monitoring frequency requirements differ from one another. Before requesting analyses from a laboratory other than the DEQ laboratory, check with your DEQ district staff for the specific monitoring requirements.					
	1/12 months	09/30/2015	TP101	\$18.00	32	R
Volatile Organic Compounds	1/3 months	Quarterly	TP101	\$100.00	36VO	CXVO
Complete Metals	1/108 months	09/30/2017	TP101	\$102.00	36ME	CMET2
Cyanide	1/12 months	09/30/2015	TP101	\$25.00	36CNa	CCN
SOC – Pesticides	2/36 months	Between 4/1 and 6/30/2017 AND Between 7/1 and 9/30/2017	TP101	\$125.00	36PT	CXPT
SOC – Herbicides	2/36 months		TP101	\$120.00	36HB	CXHB
SOC – Carbamates	2/36 months		TP101	\$120.00	36LP	CXLP
Gross Alpha (Radiological)	1/108 months	09/30/2023	TP101	Not performed at the DEQ Laboratory. A list of certified labs is at <a href="http://www.michigan.gov/DEQ">www.michigan.gov/DEQ</a> . Select Water, Drinking Water, Community Water Supply, then Certified Labs under Programs and Activities.		
Radium 226 & Radium 228	1/108 months	09/30/2023	TP101			
Total Organic Carbon (TOC)	Pair/Quarterly	Quarterly	TP101	\$35.00	36TO	CTOC
	Monitor for TOC in the source water before any treatment at the same time as monitoring for TOC in the treated water. These samples (source water and treated water) are referred to as "paired samples." Collect the treated water sample not later than the point of combined filter effluent turbidity monitoring and representative of treated water.					

## 2015 Monitoring Schedule

**DETROIT CITY OF**

**WSSN: 01800**

Collect samples early in the monitoring period. This schedule reflects your expected routine monitoring and is subject to change. To receive credit for monitoring, include the WSSN, Site Code, and County on your request for analysis form. Collect Bacteriological and Automated Partial Chemistry samples close to the shipping time and send overnight delivery. Send all sample results to your Department of Environmental Quality (DEQ) district office unless you use the DEQ laboratory. Test codes, sample units, and costs are listed to help you complete the DEQ laboratory form. Prices are subject to change without notice. The DEQ laboratory is closed on state holidays.

### Location: Detroit - Southwest Plant

Collect these samples at the entry point to the distribution system (after treatment, if applicable)

Sample Type	# Samples/ Frequency	Collect Before	Site Code	Fee	Unit Number	Test Code
Automated Partial Chemistry	This DEQ lab scan includes nitrate, nitrite, fluoride, and sodium whose monitoring frequency requirements differ from one another. Before requesting analyses from a laboratory other than the DEQ laboratory, check with your DEQ district staff for the specific monitoring requirements.					
	1/12 months	09/30/2015	TP102	\$18.00	32	R
Volatile Organic Compounds	1/3 months	Quarterly	TP102	\$100.00	36VO	CXVO
Complete Metals	1/108 months	09/30/2017	TP102	\$102.00	36ME	CMET2
Cyanide	1/12 months	09/30/2015	TP102	\$25.00	36CNa	CCN
SOC - Pesticides	2/36 months	Between 4/1 and 6/30/2017 AND Between 7/1 and 9/30/2017	TP102	\$125.00	36PT	CXPT
SOC - Herbicides	2/36 months		TP102	\$120.00	36HB	CXHB
SOC - Carbamates	2/36 months		TP102	\$120.00	36LP	CXLP
Gross Alpha (Radiological)	1/108 months	09/30/2023	TP102	Not performed at the DEQ Laboratory. A list of certified labs is at <a href="http://www.michigan.gov/DEQ">www.michigan.gov/DEQ</a> . Select Water, Drinking Water, Community Water Supply, then Certified Labs under Programs and Activities.		
Radium 226 & Radium 228	1/108 months	09/30/2023	TP102			
Total Organic Carbon (TOC)	Pair/Quarterly	Quarterly	TP102	\$35.00	36TO	CTOC
	Monitor for TOC in the source water before any treatment at the same time as monitoring for TOC in the treated water. These samples (source water and treated water) are referred to as "paired samples." Collect the treated water sample not later than the point of combined filter effluent turbidity monitoring and representative of treated water.					

## 2015 Monitoring Schedule

DETROIT CITY OF

WSSN: 01800

Collect samples early in the monitoring period. This schedule reflects your expected routine monitoring and is subject to change. To receive credit for monitoring, include the WSSN, Site Code, and County on your request for analysis form. Collect Bacteriological and Automated Partial Chemistry samples close to the shipping time and send overnight delivery. Send all sample results to your Department of Environmental Quality (DEQ) district office unless you use the DEQ laboratory. Test codes, sample units, and costs are listed to help you complete the DEQ laboratory form. Prices are subject to change without notice. The DEQ laboratory is closed on state holidays.

### Location: Detroit - Waterworks Park

Collect these samples at the entry point to the distribution system (after treatment, if applicable.)

Sample Type	# Samples/ Frequency	Collect Before	Site Code	Fee	Unit Number	Test Code
Automated Partial Chemistry	This DEQ lab scan includes nitrate, nitrite, fluoride, and sodium whose monitoring frequency requirements differ from one another. Before requesting analyses from a laboratory other than the DEQ laboratory, check with your DEQ district staff for the specific monitoring requirements.					
	1/12 months	09/30/2015	TP103	\$18.00	32	R
Volatile Organic Compounds	1/3 months	Quarterly	TP103	\$100.00	36VO	CXVO
Complete Metals	1/108 months	09/30/2017	TP103	\$102.00	36ME	CMET2
Cyanide	1/12 months	09/30/2015	TP103	\$25.00	36CNa	CCN
SOC - Pesticides	2/36 months	Between 4/1 and 6/30/2017 AND Between 7/1 and 9/30/2017	TP103	\$125.00	36PT	CXPT
SOC - Herbicides	2/36 months		TP103	\$120.00	36HB	CXHB
SOC - Carbamates	2/36 months		TP103	\$120.00	36LP	CXLP
Bromate	1/3 months	Quarterly	TP103	Not performed at the DEQ Laboratory. A list of certified labs is at <a href="http://www.michigan.gov/DEQ">www.michigan.gov/DEQ</a> . Select Water, Drinking Water, Community Water Supply, then Certified Labs under Programs and Activities.		
Gross Alpha (Radiological)	1/108 months	09/30/2023	TP103			
Radium 226 & Radium 228	1/108 months	09/30/2023	TP103			
Total Organic Carbon (TOC)	Pair/Quarterly	Quarterly	TP103	\$35.00	36TO	CTOC
	Monitor for TOC in the source water before any treatment at the same time as monitoring for TOC in the treated water. These samples (source water and treated water) are referred to as "paired samples." Collect the treated water sample not later than the point of combined filter effluent turbidity monitoring and representative of treated water.					

## 2015 Monitoring Schedule

**DETROIT CITY OF**

**WSSN: 01800**

Collect samples early in the monitoring period. This schedule reflects your expected routine monitoring and is subject to change. To receive credit for monitoring, include the WSSN, Site Code, and County on your request for analysis form. Collect Bacteriological and Automated Partial Chemistry samples close to the shipping time and send overnight delivery. Send all sample results to your Department of Environmental Quality (DEQ) district office unless you use the DEQ laboratory. Test codes, sample units, and costs are listed to help you complete the DEQ laboratory form. Prices are subject to change without notice. The DEQ laboratory is closed on state holidays.

### Location: **Detroit - Lake Huron Plant**

Collect these samples at the entry point to the distribution system (after treatment, if applicable.)

Sample Type	# Samples/ Frequency	Collect Before	Site Code	Fee	Unit Number	Test Code
Automated Partial Chemistry	This DEQ lab scan includes nitrate, nitrite, fluoride, and sodium whose monitoring frequency requirements differ from one another. Before requesting analyses from a laboratory other than the DEQ laboratory, check with your DEQ district staff for the specific monitoring requirements.					
	1/12 months	09/30/2015	TP104	\$18.00	32	R
Volatile Organic Compounds	1/3 months	Quarterly	TP104	\$100.00	36VO	CXVO
Complete Metals	1/108 months	09/30/2017	TP104	\$102.00	36ME	CMET2
Cyanide	1/12 months	09/30/2015	TP104	\$25.00	36CNa	CCN
SOC – Pesticides	2/36 months	06/30/2017	TP104	\$125.00	36PT	CXPT
SOC – Herbicides	2/36 months	06/30/2017	TP104	\$120.00	36HB	CXHB
SOC – Carbamates	2/36 months	06/30/2017	TP104	\$120.00	36LP	CXLP
Gross Alpha (Radiological)	1/108 months	09/30/2023	TP104	Not performed at the DEQ Laboratory. A list of certified labs is at <a href="http://www.michigan.gov/DEQ">www.michigan.gov/DEQ</a> . Select Water, Drinking Water, Community Water Supply, then Certified Labs under Programs and Activities.		
Radium 226 & Radium 228	1/108 months	09/30/2023	TP104			
Total Organic Carbon (TOC)	Pair/Quarterly	Quarterly	TP104	\$35.00	36TO	CTOC
	Monitor for TOC in the source water before any treatment at the same time as monitoring for TOC in the treated water. These samples (source water and treated water) are referred to as "paired samples." Collect the treated water sample not later than the point of combined filter effluent turbidity monitoring and representative of treated water.					

## 2015 Monitoring Schedule

DETROIT CITY OF

WSSN: 01800

Collect samples early in the monitoring period. This schedule reflects your expected routine monitoring and is subject to change. To receive credit for monitoring, include the WSSN, Site Code, and County on your request for analysis form. Collect Bacteriological and Automated Partial Chemistry samples close to the shipping time and send overnight delivery. Send all sample results to your Department of Environmental Quality (DEQ) district office unless you use the DEQ laboratory. Test codes, sample units, and costs are listed to help you complete the DEQ laboratory form. Prices are subject to change without notice. The DEQ laboratory is closed on state holidays.

### Location: Distribution System

Sample Type	Collect Samples According to the ...	# Samples/ Frequency	Collect	Site Code	Fee	Unit Number	Test Code
Bacteriological – coliforms	TCR Sampling Site Plan	54/Monthly	Monthly	DIST	\$16.00	30	BPTC
Chlorine Residual	DBP Monitoring Plan	If serving chlorinated water, measure the residual disinfectant level at the same point and at the same time as the bacteriological sample and report the average to the DEQ.					
Total Trihalomethanes	DBP Monitoring Plan	3/3 months	During February, May, August and November 2015	See DBP Monitoring Plan	\$65.00	36VO	CXTM
Halooacetic Acids		3/3 months	During February, May, August and November 2015	See DBP Monitoring Plan	\$130.00	36HA	CXHA
Water Quality Parameters	Representative Sites	10 Detroit Service Area/twice/year; 70 Detroit suburbs/twice/year	By 12/31/2015	DIST	Various	Various	Various
Lead Copper for Corrosion Control	Lead and Copper Sampling Pool	50/36 months	Between 06/01 and 9/30/2017	DIST	\$26.00	36CC	CCUB

### Location: Source Water Monitoring

Summarized below is the second round of source water monitoring required under the Long Term 2 Enhanced Surface Water Treatment Rule as detailed in your LT2ESWTR Sampling Plan.

Sample Type	Collect	Collect Samples at the Following Locations
Cryptosporidium	MONTHLY from April 2015 through March 2017	IN226 – Southwest Fighting Island Intake
E. coli		IN227 – Lake Huron WTP Intake
Turbidity		IN228 – Springwells/Northeast Tunnel Port at Belle Isle Intake (serves Northeast, Springwells, and Water Works Park)

## Community Water Supply 2015 Monitoring and Reporting Requirements

**Please Monitor Early:** Collect samples early in the monitoring period (month, quarter, year) of the year indicated on the schedule. Bacteriological and partial chemistry samples should be collected close to the shipping time and sent overnight delivery to assure sample holding times are not exceeded (30 and 48 hour hold times respectively). We also recommend avoiding mailing bacteriological samples immediately preceding or following a holiday because samples tend to exceed the 30 hour hold time. When this occurs, a repeat sample must be collected as soon as possible upon notification.

If you use a private laboratory please report the results to us within the first ten days of the month following the month that you received the results. Bacteriological sample results must be reported to us by the 10th of the month following the month that they are collected. A list of certified laboratories is available on request. If samples are not collected as indicated on your monitoring schedule, you will incur a monitoring violation and possibly a fine. For information on the fines policy, visit [www.michigan.gov/deqwater](http://www.michigan.gov/deqwater). Click on Drinking Water, Community Water Supply, and Administrative Fines (under Laws and Rules).

To receive credit for monitoring, you must include the "WSSN" (water supply serial number), the "Site Code," and the "County" when you submit samples for analysis.  
Site codes are listed on your monitoring schedule.

**Special Instructions If You Use the DEQ Laboratory:** Bottles will NOT be mailed automatically. To order bottles, call the DEQ Laboratory at 517-335-8184 or download the form EQP 2301 *Requisition for Water Sample Units* from [www.michigan.gov/deq](http://www.michigan.gov/deq). Click on Key Topics, Laboratory Services, Drinking Water, Obtaining The Necessary Sampling Units, and 'test list'. Please note that the DEQ laboratory is closed on most state holidays. The DEQ laboratory prices are subject to change without notice.

**Special Instructions for Automated Partial Chemistry, VOC and TTHM Samples:** These sample bottles must be cooled and preserved during shipment to the laboratory. If you use the DEQ laboratory, you will receive the ice pack, acid dropper (if necessary) and small cooler when you request the bottles. Samples must be preserved correctly to be used for compliance purposes. To avoid resampling, follow instructions contained with the sample bottle. If you would like more information, contact the DEQ lab at 517-335-8184, or contact this office.

**Cyanide:** Previously, supplies that chlorinated the water were waived from cyanide monitoring. The U.S. EPA now requires all supplies to sample the entry point for cyanide.

**UCMR3 Monitoring:** You may have monitoring requirements in 2015 under the third Unregulated Contaminant Monitoring-Rule (UCMR3). The U.S. EPA will contact you directly if your water supply is required to monitor in 2015. A list of laboratories certified to analyze the samples collected for UCMR3 is available at <http://water.epa.gov/lawsregs/rulesregs/sdwa/ucmr/ucmr3/upload/lablist.pdf>. Contact the U.S. EPA with questions.

Reminder if Lead and Copper Monitoring Due This Year: Provide individual lead tap results to people who receive water from sites that you sampled, even if lead was not detected, within 30 days of learning the results. Send us a certification that you met all the delivery requirements along with a sample copy of the customer notice within 3 months after the end of the monitoring period. Water supplies that failed to distribute the Consumer Notice of Lead Results must include the following statement in their CCR, "During the year, we failed to provide lead results to persons served at the sites that were tested as required by the Lead and Copper Rule." To download the *Lead and Copper Report and Consumer Notice of Lead Result Certificate* in Microsoft Word or PDF format, visit [www.michigan.gov/deqwater](http://www.michigan.gov/deqwater). Click on Drinking Water, Community Water Supply, and Reporting Forms (under Manuals, Forms & Brochures).

Annual Reports: These reports are due to this office each year.

- The **Cross Connection Report**, due by March 31, describes the status of your local cross connection control program. Manufactured housing communities are exempt from this requirement until 2016.

Each year, water supplies must submit this report, even if a formal program has not been implemented. If cross connections do not exist in your water system, indicate so on the report. Download the Cross Connection Report form from <http://michigan.gov/deqwater>. Click on Drinking Water, Community Water Supply, Reporting Forms (under Manuals, Forms & Brochures). Instructions are included with the form.

- The **Annual Pumpage/Usage Report**, due by March 31, is required of water supplies that do not submit monthly operation reports.

This summary of water pumpage and water use must be submitted by each water supply that does not submit a monthly operation report. To manage our natural resources, pumpage data are compiled to determine water use demands in Michigan. Download the Annual Pumpage/Usage Report form from <http://michigan.gov/deqwater>. Click on Drinking Water, Community Water Supply, Reporting Forms (under Manuals, Forms & Brochures). Please be sure to indicate the appropriate units on the report (e.g. million gallons or gallons).

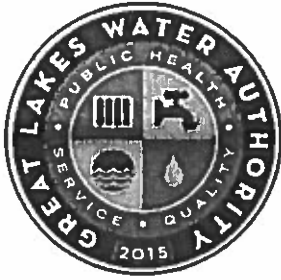
- The **Consumer Confidence Report**, due by July 1 to your customers, to your local health department and to this office, describes the quality of the water and characterizes the risks, if any, from exposure to contaminants detected.

Electronic delivery methods may be used to distribute the CCR to bill-paying customers, provided the method is direct. A paper copy must be delivered to bill-paying customers who request it or are known to be unable to receive the CCR electronically. For more information on e-delivery, visit [www.michigan.gov/deqwater](http://www.michigan.gov/deqwater). Click on Drinking Water, Community Water Supply, Consumer Confidence Report Rule (under Laws and Rules).

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**Shared Services Agreement  
Schedule  
Operations: Security**



Shared Service Schedule #	OPS-005
Service Provider	Great Lakes Water Authority
Service Subscriber	City of Detroit / Detroit Water and Sewerage Department - Retail
Description of Service	<p>The scope of services includes: Provide on-site, remote, and perimeter security and monitoring services for Subscriber only facilities as well as facilities shared by the Parties. Security and Integrity personnel also provide surveillance for inventory management as well as respond to alarms at unmanned facilities. Security and integrity is also responsible for managing repair of cameras and gates at facilities. Security will also provide building access control.</p>
Description of Requirements, Level of Service, Hours of Service	<p><u>Level of Service:</u>  <i>Customer Service Centers:</i>          Provide security for building, customers, and staff during payment center operational hours. This includes perimeter checks and assistance with cash. Services are provided Monday through Friday 7am until 7pm and Saturday from 7am to 4pm. Security officers work 12 hour shifts.</p> <p><i>13401 West Outer Drive, West Yard Maintenance and Repair Facility:</i>          Provide security for staff and property. Two shifts are operational Monday-Friday 8am until 4pm and 4pm until midnight</p> <p><i>6425 Huber, Detroit, MI 48211 (Central Services Facility):</i>          Provide security for staff and property, 24 hours per day, 7 days a week. Total staff is 10 officers which includes the main lobby and the east and west security gates/guard posts.</p> <p><i>735 Randolph, Detroit, MI 48226 (Main Office Building):</i>          Security services for the main office building, exclusive of customer service and the fusion center, are provided 16 hours per day Monday through Friday, Saturday for 8 hours, and Sunday there is no staffing.</p> <p><i>Fusion Center and Perimeter Security:</i>          Security specialist provide remote monitoring and perimeter security services for all facilities in the system. Staff will dispatch security officers as needed to investigate intrusion/perimeter alarms at facilities. The center is staffed 24 hours per day, 7 days a week.</p> <p><u>As Needed Services:</u></p>

	<p>Security services that are needed for special situations including but not limited to, increased use of customer care centers due to shut off programs; tax roll delinquency programs; accompanying maintenance and repair staff on projects will normally require Subscriber to notify Provider at least two weeks prior to initiating said program. Provider and Subscriber will agree to the cost for the service and the service shall be invoiced and identified on the monthly invoice. Provider shall also be responsible for initiating repair of camera and gate equipment as necessary to remain operational at all facilities. The costs associated for these repairs for Subscriber-only facilities shall be invoiced 100% to Subscriber. Costs for shared facilities shall be invoiced as noted in the cost allocations for those facilities below.</p>
<p>Related Services</p>	<p>N/A</p>
<p>Assumptions, Dependencies, and Requirements</p>	<p>N/A</p>
<p>Space/Location</p>	<ul style="list-style-type: none"> <li>• East Side Customer Service Center, 13303 E. McNichols Rd (100% DWSD)</li> <li>• West Side Customer Service Center, 15600 Grand River Ave. (100% DWSD)</li> <li>• West Yard Maintenance and Repair Facility, 13401 West Outer Drive (DWSD)</li> <li>• 6425 Huber, Detroit, MI 48211 (2/3 DWSD and 1/3 GLWA)</li> <li>• 735 Randolph Office Building (50% DWSD and 50% GLWA)</li> </ul>
<p>Staffing</p>	<p><b>Total Staff Allocation: 27</b>  The staffing level shall be maintained and the Provider shall provide such staffing as necessary to ensure this staffing level. Any negative variance from this staffing level shall be subject to the Cost Analysis review and reconciliation process of Section 5.1 of the Agreement.</p> <p><b>Leveraged Provider Staff:</b>  <b>Customer Service Centers:</b></p> <ul style="list-style-type: none"> <li>• 13 Security Officers (5 Westside Service center, 4 Eastside Service Center, 3 MOB, 1 Parking Lot)</li> <li>• Supervisory Staff – 0.5 Sergeant and 0.5 Lieutenant</li> </ul> <p><b>West Yard Maintenance and Repair Facility:</b></p> <ul style="list-style-type: none"> <li>• 2 Security Officers (one per shift)</li> <li>• Supervisory Staff – 0.1 Sergeant and 0.1 Lieutenant</li> </ul> <p><b>6425 Huber, Detroit, MI 48211:</b></p> <ul style="list-style-type: none"> <li>• 10 Security Officers</li> <li>• Supervisory Staff – 1 Sergeant and 0.1 Lieutenant</li> </ul> <p><b>735 Randolph, Detroit, MI 48226:</b></p> <ul style="list-style-type: none"> <li>• Various personnel</li> </ul>

	<p><i>Fusion Center and Perimeter Security:</i></p> <ul style="list-style-type: none"> <li>• Various personnel</li> </ul>
Duration (phasing), extensions	Security services shall be provided until either party provides notice to terminate.
Cost Methodology	<p><b>Fixed Fee:</b> Beginning in January 2016 through June 2017, the Subscriber will be charged based on the anticipated security staff needs by DWSDR locations as designed by Chief Security Officer.</p> <p><b>Methodology:</b> The Security Shared Service Agreement cost was based upon the 2015-2016 approved budget cost center for Security and Integrity. This cost includes labor, fringe benefits, contractual services, supplies, repairs &amp; maintenance, and other direct costs.</p> <ol style="list-style-type: none"> <li>1. The total cost center budget was allocated by FTEs assigned to each organization and task. DWSD-R who has 2 FTEs on their payroll received 2% of the budget. The remaining 98% was allocated to GLWA.</li> <li>2. Then the costs were split again based on the assigned security needs by location. DWSD-R was assigned 27 FTEs and GLWA was assigned 56 FTEs. All of these employees will be GLWA employees. With the assigned 27 FTEs, DWSD-R's share of the costs were 32%.</li> <li>3. The total for the annual shared service cost was then divided by 12 to calculate the monthly cost.</li> </ol>
Separation Costs	<p>Separation Costs are anticipated as follows: Stranded Costs associated with the lay-off of employees, including unemployment benefits. Transition Costs associated with transferring records of the Services provided to Subscriber's new data/records system.</p>
Frequency of Payment (if other than monthly)	N/A
Notice of Termination of Entire Service or Element	Either Party may terminate this schedule upon 90 days advance written notice to the other Party.
Contact for City/DWSD – R	Title: Director
Contact for GLWA	Title: Chief of Security
List of Exhibits & Attachments	Exhibit A: Cost Methodology Initial Allocation
Approved for GLWA (w/Date):	Sue McCormick (12/9/2015)
Approved for City/DWSD-R (w/Date):	Gary Brown (12/9/2015)
Effective Date:	January 1, 2016

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**EXHIBIT A**  
**COST METHODOLOGY INITIAL ALLOCATION**

## Cost Allocation Calculations for OPS-005 Security

DWSD BUDGET DETAIL from Approved Budget FY 2016

Section	Security
Cost Center	411201
<u>GL Accou</u> <u>Expense Description</u>	FY16 Budget
601100 Salaries-Full Time	3,389,513
601300 Salaries - Overtime	70,000
601400 Salaries-Shift Premium	3,500
601500 Salaries-Holiday Premium	10,000
602100 Wages- Full Time	0
602300 Wages- Overtime	450,000
602400 Wages- Shift Premium	25,000
602500 Wages- Holiday Premium	20,000
603100 Emp Benefits-Pensions	194,897
603101 Emp Benefits-Pension-UAAL	0
603120 Non Actuarial	0
603200 Emp Benefits-Hospitalization	687,680
603220 Empl Ben-Hosp General Retiree	0
603300 Emp Benefits-Social Security	259,298
603400 Unemployment	17,374
603405 Workers' Compensation	142,440
603900 Emp Benefits-Miscellaneous	3,001
604100 Other Comp-Unused Sick Leave	128,809
604200 Other Comp-Longevity	0
605100 Group Life Insurance	14,595
605200 Eye Care Premium	0
605205 Eye Care-Active Civilian	6,786
605210 Eye Care-Retired Civilian	0
605700 Health Care Reserve	67,790
605415 Service Death	0
605500 Income Protection	3,043
605620 Dental Active	59,569
605640 Dental Retired	0
611200 Auditing	0
613100 Legal	0
616100 Consultant Fees-Mgt Consult	0
617200 Contract Scv-Bldg Maint-Misc	0
617400 Contract Services-Info Tech.	0
617900 Contract Svcs-Other-Misc	232,000
617903 Pers Servs Contract-Pd On P/R	0
620100 Office Supplies	49,685
621100 Oper Supplies-Medical	0
621300 Oper Supplies-Automotive	0
621400 Oper Supplies-Janitorial	0

# Cost Allocation Calculations for OPS-005 Security

DWSD BUDGET DETAIL from Approved Budget FY 2016

STEP 1	Section	Security
	Cost Center	411201
	<u>GL Accou</u> <u>Expense Description</u>	FY16 Budget
	621500 Oper Supplies-Fuel	0
	621600 Operating Supplies-Chemicals	0
	621900 Oper Supplies-Miscellaneous	10,000
	622100 Repairs & Maint-Automotive	0
	622200 Repairs & Maint-Bldgs&Ground	0
	622300 Repairs & Maint-Equipment	0
	622301 Hardware Maintenance	0
	622302 Software Maintenance	0
	622400 Repairs & Maint-Facilities	0
	622900 Repairs & Maint-Misc	0
	623100 Uniforms, Laundry, Cleaning	0
	626010 Advertising	0
	626100 Printing	0
	626300 Insurance Premium	0
	626310 Insurance- Other	0
	626400 Rentals- Buildings	0
	626410 Rentals- Computers	0
	626415 Rentals- Office Equipment	0
	626430 Rentals- Miscellaneous	0
	626500 Dues & Miscellaneous	900
	626600 Postage	500
	626700 Telecommunications	0
	626702 Data Com Equip	0
	626800 Utilities	0
	626801 Utilities-Water	0
	626802 Utilities-Gas	0
	626803 Utilities-Steam	0
	626804 Utilities-Electricity	0
	626805 Utilities-Sewage	0
	626806 Utilities-Pld Electricity	0
	627105 Private Car Reimbursements	1,000
	627110 Purchased Services - Other	0
	627135 Pur Svcs-Law Dept	0
	627140 Pur Svcs-Staff Services	0
	627175 Pur Svcs-Personnel	0
	627190 <i>Pur Svcs-Shared Svcs Chg</i>	0
	627195 Employee Uniform Expense	100,000
	627225 Other Oper Svc-Miscellaneous	0
	627230 Employee Parking	1,000
	627255 Photographic Service	0

## Cost Allocation Calculations for OPS-005 Security

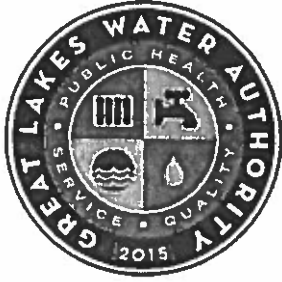
DWSD BUDGET DETAIL from Approved Budget FY 2016

Section	Security
Cost Center	411201
<u>GL Accou</u> <u>Expense Description</u>	FY16 Budget
628100 Travel	8,600
628200 Training	21,955
628208 Training-Tuition Reimbursement	0
628500 Miscellaneous Expense	0
628501 Misc-License,Insp&Permit Fees	0
628508 Violation Penalties	0
633100 Major Rep - Plant Equipment	0
633150 Major Rep - Other Equip	0
644111 Capital Outlay - Equipment - Other Plant	0
644114 Capital Outlay Equipment Office Furniture	0
644900 Acquisitions - Fixed Asset - Other	0
645260 Capital Outlay - Equipment Transportation	0
661100 Damage Claims	0
703100 Interest On Bonded Debt	0
704100 Retirement Of Debt-Principal	0
707100 Property Taxes	0
711700 Bad Debts	0
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Total GROSS Budget	5,978,934

# Cost Allocation Calculations for OPS-005 Security

Cost Allocations based on FTEs

		FTEs	%
STEP 1	Total Positions	85	
	DWSR-Direct	2	2%
	GLWA	56	66%
	DWSDR Shared	27	32%
	Total Security Budget		5,978,934
STEP 2			
	DWSDR Direct		\$ 140,680.81
	GLWA		3,939,062.61
	DWSDR Shared		\$ 1,899,190.90
STEP 3	Monthly		\$ 158,266



**Shared Services Agreement  
Schedule  
Operations: Shared Facilities Cost**



Shared Service Schedule #	OPS-006
Service Provider	City of Detroit / Detroit Water and Sewerage Department - Retail
Service Subscriber	Great Lakes Water Authority
Description of Service	<p>Costs charged for Facilities Expenses include: building management, repair and maintenance, utilities, facilities improvements to Shared Space areas and contracted services (eg. janitorial, grounds, rubbish removal, plumbing, fire suppression, elevator etc.). Level of service requirements will generally be met as noted in the service contracts.</p>
Description of Requirements, Level of Service, Hours of Service	<p><u>Hours of Service:</u> Office Facilities 7 am-11:30 pm Monday-Friday Plant Facilities 7 am-11:30 pm Sunday-Saturday</p> <p><u>Level of Service (Typical):</u> Provider shall be responsible for providing daily facility management which includes repair and maintenance services at 735 Randolph and 6425 Huber.</p> <p><u>Services to be Provided:</u></p> <ul style="list-style-type: none"> <li>• Janitorial</li> <li>• Grounds (Landscaping and Snow/ Ice Removal)</li> <li>• HVAC</li> <li>• Rubbish Removal</li> <li>• Roofing</li> <li>• Remodeling, as requested by Subscriber</li> <li>• Solar/Green Tech Survey</li> <li>• Lighting</li> <li>• Plumbing</li> <li>• Locksmith</li> <li>• Pest/ Vermin Control</li> <li>• Gutter Repair</li> <li>• Door Repair</li> <li>• Fire/ Sec. Alarm Repair</li> <li>• Window/ Glass Repair</li> <li>• Welding</li> <li>• Siding</li> <li>• Concrete</li> <li>• Sprinkler</li> <li>• Fire Suppression</li> <li>• Sheet metal</li> </ul>

	<ul style="list-style-type: none"> <li>• Carpet/ Flooring</li> <li>• Electrical</li> <li>• Painting</li> <li>• Signage</li> <li>• Elevator</li> </ul>
Related Services	N/A
Assumptions, Dependencies, and Requirements	Cost allocations as agreed upon and documented in lease
Space/Location	<ul style="list-style-type: none"> <li>• 735 Randolph, Detroit, MI 48226</li> <li>• 6425 Huber, Detroit, MI 48211</li> </ul>
Staffing	<p>Provider Facility Managers</p> <p>Billing performed by the accounting staff of Provider</p>
Duration (phasing), extensions	Shorter of duration of leases or Subscriber occupancy of facility
Cost Methodology	<p><b>Phase 1:</b> Until June 30, 2016, or such later date as agreed to by the Director and the CEO, Facilities Expenses shall be shared as follows:</p> <p><b>735 Randolph-</b> Subscriber and Provider shall share the Facilities Expenses equally (50% Subscriber/ 50% Provider); <i>provided</i> that, any capital improvements that exceed \$100,000 shall be approved by the Director and the CEO.</p> <p><b>6425 Huber</b> Subscriber shall pay 33% of Facilities Expenses; <i>provided</i> that, any capital improvements that exceed \$100,000 shall be approved by the Director and the CEO.</p> <p><b>Phase 2:</b> Commencing on July 1, 2016, or such later date as agreed to by the Director and CEO, Facilities Expenses for both 735 Randolph and 6425 Huber will be assessed to each Party based on a per square foot basis as determined by the space utilization study.</p> <p>Any capital improvements to the Randolph and Huber facilities during the Phase 2 cost methodology that exceed \$100,000 shall be approved by the Director and the CEO.</p> <p><b>Management Cost:</b> The Service Cost associated with facility management of the Randolph facility shall be reviewed pursuant to the Cost Analysis review and reconciliation process of Section 5.1 of the Agreement for period ending June 30, 2016. Commencing July 1, 2016, the Parties will share the Service Costs of a Facility Manager for the Randolph facility in accordance with the Phase 2 Cost Methodology discussed above.</p> <p><b>Expense reimbursement:</b> Costs will be reimbursed for emergency or as-needed services in accordance with the allocation described in operational costs above.</p>
Separation Costs	Separation Costs are anticipated as follows:

	Stranded Costs associated with (1) the lay-off of employees, including unemployment benefits, and (2) the termination or modification of contracts necessary for the Services, to the extent such costs are directly and solely associated with the termination of Services. Transition Costs associated with transferring records of the Services provided to Subscriber's new data/records system.
Frequency of Payment (if other than monthly)	N/A
Notice of Termination of Entire Service or Element	Subscriber may terminate this schedule upon 1 year advance written notice to Provider of the termination of occupancy of the facilities.
Contact for City/DWSD – R	Title: Fleet and Facilities Manager
Contact for GLWA	Title: Chief Operating Officer
List of Exhibits & Attachments	Exhibit A: Cost Methodology Initial Allocation
Approved for GLWA (w/Date):	Sue McCormick (12/9/2015)
Approved for DWSD-R (w/Date):	Gary Brown (12/9/2015)
Effective Date:	January 1, 2016

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**EXHIBIT A**  
**COST METHODOLOGY INITIAL ALLOCATION**

**Share Facilities**

**Based FY15 Budgets for 735 Randolph and 6425 Huber**

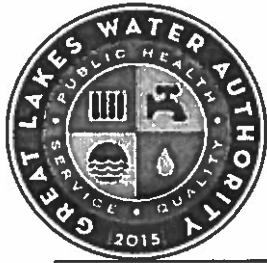
	735 Randolph	6425 Huber
S-R&M	\$ 619,585.00	\$ 518,037.00
S-Utilities	\$ -	\$ 425,000.00
W-R&M	\$ 52,990.00	\$ 360,150.00
W-Utilities	\$ 252,065.00	\$ 647,252.00
	\$ 924,640.00	\$ 1,950,439.00
% GLWA	50%	33%
	\$ 462,320.00	\$ 643,644.87
Total		\$ 1,105,964.87

\* Facilities Manager excluded in first 6 months of costing. Commencing July 1, 2016 cost will be identified, parties will share in cost.

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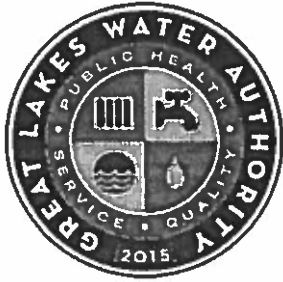
**Shared Services Agreement  
Schedule  
Operations: WWTP Industrial Waste Control UST  
Program**



Shared Service Schedule #	OPS-007
Service Provider	Great Lakes Water Authority
Service Subscriber	City of Detroit / Detroit Water and Sewerage Department - Retail
Description of Service	Provide underground storage tank inspection, monitoring, and reporting program through a third party contract.
Description of Requirements, Level of Service, Hours of Service	<u>Level of Service (Typical):</u> Phoenix Environmental Inc. performs the function of Class B UST System Operator by performing site inspections and preventive maintenance. UST's at each location are inspected four times per year. The Provider will manage and administer this contract. Subscriber shall contact Provider when repairs may be necessary and Provider will contact the vendor to initiate repair.
Related Services	Additional services include Automatic Tank Gauging (ATG), Tank Tightness Testing, line testing/leak detection, and tank registration information.
Assumptions, Dependencies, and Requirements	Subscriber shall be responsible for operating underground storage tanks in accordance with the Michigan Department of Environmental Quality Regulations.
Space/Location	<ul style="list-style-type: none"> <li>• 6425 Huber, Detroit, MI 48211 (Shared)</li> <li>• 13401 West Outer Drive (West Yard) (100% DWSD)</li> </ul>
Staffing	Material Management Specialist Class A UST Operator Vendor Staff
Duration (phasing), extensions	Underground storage tank program shall be provided for one (1) year from the effective date of the lease agreement, and available for annual renewal. Subscriber will evaluate addition of the underground storage tanks at these facilities to the program administered by the City of Detroit General Services Department. Subscriber shall have the right to extend this agreement with notification 90 days prior to expiration date. Contract expires September 30, 2016 with two 1-year renewal options.
Cost Methodology	Subscriber will be billed directly by the vendor for services provided at CSF and West Yard. Any costs that are billed to the Provider that include service being done for CSF or West Yard will be billed after the invoice is received and paid. All invoicing to the Subscriber will include a copy of the vendor invoice.
Separation Costs	Separation Costs are anticipated as follows: Stranded Costs associated with (1) the lay-off of employees, including unemployment benefits, and (2) the termination or modification of

	contracts necessary for the Services, to the extent such costs are directly and solely associated with the termination of Services. Transition Costs associated with transferring records of the Services provided to Subscriber's new data/records system.
Frequency of Payment (if other than monthly)	
Notice of Termination of Entire Service or Element	Either Party may terminate this schedule upon 90 days advance written notice to the other Party.
Contact for City/DWSD – R	Title: Fleet & Facilities Manager
Contact for GLWA	Title: Chief Operating Officer
List of Exhibits & Attachments	
Approved for GLWA (w/ Date):	Sue McCormick (12/9/2015)
Approved for DWSD-R (w/ Date):	Gary Brown (12/9/2015)
Effective Date:	January 1, 2016

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**Shared Services Agreement  
Schedule  
Operations: Systems Control Center, Detroit Only  
Sewer Pump Stations  
and Belle Isle CSO Facility**



Shared Service Schedule #	OPS-008
Service Provider	Great Lakes Water Authority
Service Subscriber	City of Detroit / Detroit Water and Sewerage Department - Retail
Description of Service	Provide operations and maintenance of sewer pump stations and a combined sewer overflow facility that only service Detroit.
Description of Requirements, Level of Service, Hours of Service	<p><b>Level of Service (Typical):</b>            Provider will provide monitoring, operation and maintenance activities for the following facilities that serve the City of Detroit: Belle Isle Main Pump Station and CSO Facility, Bluehill Pump Station, Fischer Pump Station, and Woodmere Pump Station. Provider shall be responsible for operating and servicing the equipment consistent with current planning documents, including but not limited to the Wet Weather Operational Plan and Needs Assessment Study. This includes:</p> <p><i>Operations:</i></p> <ul style="list-style-type: none"> <li>• 24 x 7 Control and Monitoring of process from the SCC Control Room.</li> <li>• Traveling Operator site visits every other day for physical inspection</li> <li>• Emergency response to equipment malfunction or to address any alarm condition</li> </ul> <p><i>Maintenance:</i></p> <ul style="list-style-type: none"> <li>• Mechanical</li> <li>• Electrical</li> <li>• I&amp;C</li> <li>• Building</li> <li>• Grounds Maintenance</li> <li>• Cleaning</li> <li>• Emergency PMs</li> </ul> <p><i>Engineering/Management:</i></p> <ul style="list-style-type: none"> <li>• Monthly Site Visits</li> <li>• Weekly KPI Review</li> <li>• Utility Data Review</li> <li>• Wet weather event analysis</li> <li>• Data Gathering</li> <li>• Report Generation</li> <li>• Compliance Reporting</li> </ul>

	<p>Emergency repairs shall be effectuated by Provider as-needed, but will be reported to Subscriber as soon as practical. For any repair, which exceeds \$50,000 or 50% of the replacement capital cost to replace the equipment, Provider shall notify Subscriber prior to initiating repair.</p> <p>Provider shall provide Subscriber with annual maintenance report which details services rendered. The report shall include, at a minimum types of repairs performed, costs of repairs, asset criticality rating and remaining useful life for each asset operated and maintained by Provider for Subscriber. This report will be used by Subscriber to budget for capital investments for the Detroit only assets and associated infrastructure. Access to the Provider work order management system will be provided to Subscriber for review of data on a more frequent basis, if desired.</p> <p>Provider will also notify Subscriber Field Services immediately when a pressure or flow issue is monitored in the system. Subscriber Field Services will be responsible for contacting Subscriber Public Affairs group to provide/coordinate retail customer notifications for pressure issues, boil water advisories, etc.</p>
<p>Related Services</p>	<p>N/A</p>
<p>Assumptions, Dependencies, and Requirements</p>	<p>All utilities associated with Subscriber locations will be paid by Subscriber</p>
<p>Space/Location</p>	<ul style="list-style-type: none"> <li>• Belle Isle Combined Sewer Overflow Facility</li> <li>• Belle Isle Main Pump Station</li> <li>• Blue Hill Pump Station</li> <li>• Fischer Pump Station</li> <li>• Woodmere Pump Station</li> </ul>
<p>Staffing</p>	<p>N/A</p>
<p>Duration (phasing), extensions</p>	<p>Until terminated.</p>
<p>Cost Methodology</p>	<p>Phase 1 Methodology: Until the commencement of the Phase 2 cost methodology, the Service Cost shall be determined as follows:  The Systems Operations Center (SOC) Shared Service Agreement cost was based upon the 2015-2016 approved budget cost center Systems Operations Control. This cost includes labor, fringe benefits, contractual services, supplies, repairs &amp; maintenance, and other direct costs.</p> <ol style="list-style-type: none"> <li>1. The allocation of costs was based on the total number of major and minor sites monitored and operated by the SOC. There were a total of 35 major sites and 15 minor sites. The major sites have been weighted at 2x the minor sites for the purposes of the pro ration. Bluehill pump station was identified as a major site. The Belle Isle CSO and pump station were identified as a single minor</li> </ol>

	<p>site. Woodmere pump station was identified as one minor site. Fisher pump station was identified as one minor site.</p> <p>2. The cost center FY2015-2016 budgeted expense for SOC was then allocated based upon percentage determined from the evaluation in "1" above.</p> <p>Phase 2 Methodology: Commencing on July 1, 2017, or such later date as agreed to by the Director and the CEO, the Parties shall determine the Service Costs based on the results of a study of the distribution of work in the SOC, conducted with the goal of capturing a more accurate allocation of the Service Costs for this Service. This study shall be completed no later than January 1, 2017 or such later date as agreed to by the Director and the CEO.</p>
	<p><u>Expense reimbursement-</u>  Costs incurred above and beyond the fixed fee for emergency/extraordinary repairs shall be invoiced separately and include description of service provided. These costs shall be reimbursed at time and materials.</p>
Separation Costs	<p>Separation Costs are anticipated as follows:  Stranded Costs associated with the lay-off of employees, including unemployment benefits.  Transition Costs associated with transferring records of the Services provided to Subscriber's new data/records system.</p>
Frequency of Payment (if other than monthly)	N/A
Notice of Termination of Entire Service or Element	<p>Provider may terminate this schedule upon two years advance written notice to the Subscriber; and Subscriber may terminate this schedule upon 180 days advance written notice to the Provider.</p>
Contact for City/DWSD – R	Title: Deputy Director/Chief Engineer
Contact for GLWA	Title: Chief Operating Officer
List of Exhibits & Attachments	Exhibit A: Cost Methodology Initial Allocation
Approved for GLWA (w/Date):	Sue McCormick (12/9/2015)
Approved for City/DWSD-R (w/Date):	Gary Brown (12/9/2015)
Effective Date:	January 1, 2016

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**EXHIBIT A**  
**COST METHODOLOGY INITIAL ALLOCATION**

# Cost Allocation Calculations for OPS-008 Systems Control

DWSD BUDGET DETAIL from Approved Budget FY 2016

<u>GL Account</u>	<u>Cost Center Description</u> <u>Cost Center</u> <u>Expense Description</u>	Systems Operations Control 412301 <u>FY16 Budget</u>
601100	Salaries-Full Time	2,456,308
601300	Salaries - Overtime	40,000
601400	Salaries-Shift Premium	2,000
601500	Salaries-Holiday Premium	1,000
602100	Wages- Full Time	-
602300	Wages- Overtime	800,000
602400	Wages- Shift Premium	50,000
602500	Wages- Holiday Premium	20,000
603100	Emp Benefits-Pensions	141,238
603101	Emp Benefits-Pension-UAAL	-
603120	Non Actuarial	-
603200	Emp Benefits-Hospitalization	364,066
603220	Empl Ben-Hosp General Retiree	-
603300	Emp Benefits-Social Security	187,908
603400	Unemployment	9,198
603405	Workers' Compensation	75,409
603900	Emp Benefits-Miscellaneous	1,589
604100	Other Comp-Unused Sick Leave	68,193
604200	Other Comp-Longevity	-
605100	Group Life Insurance	7,727
605200	Eye Care Premium	-
605205	Eye Care-Active Civilian	3,593
605210	Eye Care-Retired Civilian	-
605700	Health Care Reserve	49,126
605415	Service Death	-
605500	Income Protection	1,611
605620	Dental Active	31,536
605640	Dental Retired	-
611200	Auditing	-
613100	Legal	-
616100	Consultant Fees-Mgt Consult	-
617200	Contract Scv-Bldg Maint-Misc	113,600
617400	Contract Services-Info Tech.	260,000
617900	Contract Svcs-Other-Misc	7,967,458
617903	Pers Servs Contract-Pd On P/R	9,400,000
620100	Office Supplies	-
621100	Oper Supplies-Medical	-
621300	Oper Supplies-Automotive	-

# Cost Allocation Calculations for OPS-008 Systems Control

DWSD BUDGET DETAIL from Approved Budget FY 2016

STEP 1	GL Account	Cost Center Description Cost Center	Systems Operations Control
			412301 FY16 Budget
	621400	Oper Supplies-Janitorial	3,600
	621500	Oper Supplies-Fuel	-
	621600	Operating Supplies-Chemicals	-
	621900	Oper Supplies-Miscellaneous	308,000
	622100	Repairs & Maint-Automotive	-
	622200	Repairs & Maint-Bldgs&Ground	-
	622300	Repairs & Maint-Equipment	267,200
	622301	Hardware Maintenance	-
	622302	Software Maintenance	19,600
	622400	Repairs & Maint-Facilities	480,000
	622900	Repairs & Maint-Misc	-
	623100	Uniforms, Laundry, Cleaning	-
	626010	Advertising	-
	626100	Printing	-
	626300	Insurance Premium	-
	626310	Insurance- Other	-
	626400	Rentals- Buildings	20,972
	626410	Rentals- Computers	-
	626415	Rentals- Office Equipment	-
	626430	Rentals- Miscellaneous	-
	626500	Dues & Miscellaneous	-
	626600	Postage	-
	626700	Telecommunications	-
	626702	Data Com Equip	-
	626800	Utilities	-
	626801	Utilities-Water	10,000
	626802	Utilities-Gas	65,000
	626803	Utilities-Steam	-
	626804	Utilities-Electricity	-
	626805	Utilities-Sewage	-
	626806	Utilities-Pld Electricity	-
	627105	Private Car Reimbursements	500
	627110	Purchased Services - Other	-
	627135	Pur Svcs-Law Dept	-
	627140	Pur Svcs-Staff Services	-
	627175	Pur Svcs-Personnel	-
	627190	Pur Svcs-Shared Svcs Chg	-
	627195	Employee Uniform Expense	-

# Cost Allocation Calculations for OPS-008 Systems Control

DWSD BUDGET DETAIL from Approved Budget FY 2016

GL Account	Cost Center Description Cost Center Expense Description	Systems Operations Control 412301 FY16 Budget
627225	Other Oper Svc-Miscellaneous	-
627230	Employee Parking	200
627255	Photographic Service	-
628100	Travel	-
628200	Training	-
628208	Training-Tuition Reimbursement	-
628500	Miscellaneous Expense	-
628501	Misc-License,Insp&Permit Fees	-
628508	Violation Penalties	-
633100	Major Rep - Plant Equipment	-
633150	Major Rep - Other Equip	-
644111	Capital Outlay - Equipment - Other Plant	-
644114	Capital Outlay Equipment Office Furniture	-
644900	Acquisitions - Fixed Asset - Other	-
645260	Capital Outlay - Equipment Transportation	-
661100	Damage Claims	-
703100	Interest On Bonded Debt	-
704100	Retirement Of Debt-Principal	-
707100	Property Taxes	-
711700	Bad Debts	-
	<b>Total GROSS Budget</b>	<b>23,226,631</b>

## Cost Allocation Calculations for OPS-008 Systems Control

Cost Allocation based on FTEs

		Sites	# of Sites	Site Equivalents
<b>STEP 1</b>	Total Major Site		35	70
	Total Minor Sites		15	15
	Total Site Equivalent			85
	Blue Hill	Major		2
	Belle CSO & Pump Station	Minor		1
	Woodmere	Minor		1
	Fischer	Minor		1
	Total DWSDR Equivaent Sites			5
	% Retail Hrs			6%

**Step 2**

Total Systems Control	\$ 23,226,631	FY 16 Budget
DWSD-R Share	\$ 1,393,598	DWSD-R
GLWA Share	\$ 21,833,033	GLWA
Monthly Cost	\$ 116,133	



**Shared Services Agreement  
Schedule**



**Automatic Meter Reading Technology Suite**

Shared Service Schedule #	ITS-001
Service Provider	Great Lakes Water Authority
Service Subscriber	City of Detroit / Detroit Water and Sewerage Department - Retail
Description of Service	Automatic Meter Reading (AMR) Technology Suite
Description of Requirements, Level of Service, Hours of Service	<p>Provider shall provide the Subscriber access to and use of the following software, systems and programs (the "Software and Systems"):</p> <ul style="list-style-type: none"> <li>- Itron Meter Reading Platform Itron is a radio based automatic meter reading system used to collect billing data for retail customers.</li> <li>- Data Collection Units: 150 collection units and cellular connectivity Distributed throughout the retail service territory to aggregate data using radio signals.</li> <li>- Retail AMR Historian: server and software Maintains historical records of meter readings for retail customers.</li> </ul> <p>Provider shall provide the following services to support the Subscriber's access to and use of the Software and Systems:</p> <ul style="list-style-type: none"> <li>- Server, software maintenance, connectivity, backup and recovery services for the Software and Services.</li> <li>- Ensure operation of Itron retail automatic meter reading technology environment serving retail for Subscriber customers.</li> <li>- Ensure that regular patching and code updates are applied to the Software and Services to keep the platform secure and reliable.</li> <li>- Provide, at the minimum, view-level access into the configuration and monitoring utility of the Software and Services to Subscriber.</li> <li>- Work with Subscriber to test disaster recovery plans and to test restoration of servers when requested.</li> </ul> <p>Subscriber shall:</p> <ul style="list-style-type: none"> <li>- Provide a technical Point of Contact (with a networking and systems background and skills) for all Provider communications.</li> <li>- Provide required services for computation of retail bills necessary for Subscriber to bill its customers.</li> </ul> <p>Service Level Definitions (with performance metrics): Provider shall take commercially reasonable steps to ensure that:</p> <ul style="list-style-type: none"> <li>- Service outages that fall within the scheduled maintenance window are communicated a minimum of 5 business days prior to the planned outage.</li> </ul>

	<ul style="list-style-type: none"> <li>- Major planned service outages, scheduled outside of the scheduled window, are discussed with Subscriber at a minimum of 10 business days prior to the planned service outages, and a mutually agreed upon schedule for the outages will be implemented.</li> <li>- Provider provides a 48-hour response and best effort resolution on standard service requests.</li> <li>- Provider provides a 4-hour response and best effort resolution on emergency service requests, including restorations.</li> </ul> <p><b>Maintenance Schedules (Scheduled &amp; Critical):</b></p> <ul style="list-style-type: none"> <li>- Provider will perform scheduled (non-emergency) maintenance on Saturday between the hours of 8 AM to 4 PM local time.</li> <li>- Provider will perform critical maintenance at any time to correct conditions that require immediate attention. Critical maintenance is performed at the discretion of the Provider and may degrade or disrupt service. All reasonable business efforts will be attempted to notify the Subscriber's designated point of contact as is reasonably practicable under the circumstance.</li> </ul> <p><b>Software Access and Change Control:</b></p> <ul style="list-style-type: none"> <li>- The Parties shall establish a work group, which shall include at least one representative from each party, to oversee a change control process (the "Change Control Process") for the approval of any modifications, alterations, or other changes (each, a "Software Modification") to the Software and Systems and programs described herein (the "Software"). No Software Modification shall be authorized or made to the Software if such modification would impair the effectiveness of the Software used by or for the benefit of the Party that is not requesting the Software Modification.</li> <li>- Nothing contained in this Schedule shall modify or terminate the rights that a Party enjoys as a licensee (the "Licensed Party") of the Software, provided that the Licensed Party shall comply with the Change Control Process for that Software.</li> <li>- If the Subscribing Party is not the Licensed Party, the Licensed Party shall ensure the non-Licensed Party has the proper level of access to the Software, up to full administrator-level access, necessary for its operations, provided that the non-Licensed Party shall comply with any Change Control Process for that Software.</li> </ul>
Related Services	N/A
Assumptions, Dependencies, and Requirements	<p><b>Assumptions:</b></p> <ul style="list-style-type: none"> <li>- Any system upgrade will be paid for by the City of Detroit.</li> <li>- The migration of the AMR infrastructure to the City of Detroit IT department will occur over the next five years.</li> <li>- Changes to the function or scope of the Software and Systems are planned through the annual budgeting process (the "Change Request Process"). The Change Request Process consists of: Subscriber provides its requirements to Provider IT, and Provider IT provides a time and cost estimate for the change. Mid-year changes outside of the annual budget planning process that cannot be completed with the available CBMS staff and allocated Provider</li> </ul>

	<p>IT resources are funded by Subscriber, and may additionally require budget approval for a mid-year change.</p> <ul style="list-style-type: none"> <li>- Costs associated with Provider IT staff needed to keep the Software and Systems operational and third party service contracts maintained by Provider are billed to Subscriber.</li> <li>- Subscriber owns the Itron software and is responsible for the costs of Itron support. If this amount cannot be directly billed to them, Provider will charge it back to Subscriber as part of this shared service schedule.</li> <li>- The AT&amp;T cellular connectivity and HP Historian Support are part of larger contracts to be managed by Provider. These contracts may be split and transitioned to Subscriber and once transitioned, directly billed to Subscriber.</li> <li>- The support of the AMR technology suite is required for computation of retail bills. Without this service, Subscriber cannot bill its customers.</li> <li>- IT Infrastructure Services required to support this shared service schedule are provided for in the IT Infrastructure shared service schedule, ITS-009.</li> </ul> <p>Dependency:</p> <ul style="list-style-type: none"> <li>- This software suite depends on knowing the inbound IP addresses of the ISP at the destination data center and on the ISP services being available.</li> </ul> <p>Requirements:</p> <ul style="list-style-type: none"> <li>- Windows 2012, SQL Server</li> </ul>
Space/Location	<ul style="list-style-type: none"> <li>• 735 Randolph, Detroit, MI 48226</li> <li>• 6425 Huber, Detroit, MI 48211</li> </ul>
Staffing	<p><i>Dedicated Provider Staff:</i></p> <ul style="list-style-type: none"> <li>- 1 Applications Analyst shall remain with Subscriber.</li> </ul> <p><i>Leveraged Provider Staff:</i></p> <ul style="list-style-type: none"> <li>- .1 Database Administrator</li> <li>- .2 Infrastructure Administrator</li> <li>- .1 Applications Analyst</li> <li>- .1 Applications Delivery Manager - Line of Business</li> </ul> <p>Total staff: 0.5 FTE</p>
Duration (phasing), extensions	<p>This term shall expire on June 30, 2021.</p> <p>The term may be extended by mutual agreement of the Parties for additional one-year terms pursuant to Section 2.3 of the Agreement.</p>
Cost Methodology	<p>Costs have been determined by:</p> <ul style="list-style-type: none"> <li>- Allocating each of the Provider ITS personnel across the various IT shared service schedules or to other tasks which are 100% Provider.</li> <li>- Determining the rate for each employee, which equals their budgeted salary plus 50% to cover fringes. For temporary labor, the rate paid to the contractor is multiplied by 80% to determine the equivalent cost of an equivalent employee (Fill Rate). The fringe</li> </ul>

	<p>rate and temporary labor "Fill Rate" are estimates for the 2015-16 budget year and are expected to change annually.</p> <ul style="list-style-type: none"> <li>- Calculating the total labor dollars to be allocated to each IT shared service schedule by adding up the personnel and staffing costs of each resource allocated to each shared service.</li> <li>- Excluding costs of personnel who will be directly employed by Subscriber in support of a given service.</li> <li>- Assigning direct costs such as software licensing, software vendor maintenance costs, and outsourced/contracted support services to each shared service. For those shared services predominately used by Subscriber, these direct costs are assumed to be directly billed to Subscriber by the vendor and paid by Subscriber and are typically counted as \$0 toward shared costs. In case it is not possible to have Subscriber be directly billed for a vendor charge, the annual shared service billing amount will increase by the pro-rated portion of costs listed as direct costs which cannot be directly billed to Subscriber.</li> <li>- The software and services costs are multiplied by the percentage of the system to be used by Subscriber to arrive at the total shared software and services cost to Subscriber.</li> </ul>
Separation Costs	Separation Costs are anticipated as follows: Transition Costs associated with transferring records of the Services provided to Subscriber's new data/records system.
Cost Type	Shared Service
Frequency of Payment	Monthly
Notice of Termination of Entire Service or Element	Subscriber may terminate this schedule upon 180 days advance written notice to the Provider; and Provider may terminate this schedule upon two years advance written notice to the Subscriber.
Contact for City/DWSD-R	Title: Chief Information Officer
Contact for GLWA	Title: Chief Information Officer
List of Exhibits & Attachments	Exhibit A: Cost Methodology Initial Allocation
Approved for GLWA (w/Date):	Sue McCormick (12/9/2015)
Approved for City/DWSD-R (w/Date):	Gary Brown (12/9/2015)
Effective Date:	January 1, 2016

**EXHIBIT A  
COST METHODOLOGY INITIAL ALLOCATION**

**Automatic Meter Reading Technology Suite  
Great Lakes Water Authority Staffing**

Position	FTE
1 Application Analysts is planned to remain with City to support the AMR Technology Suite	
Applications Analyst	1.1
Database Administrator	0.1
Infrastructure Administrator	0.2
Apps Delivery Manager	0.1
	<b>1.5</b>

Shared Staff 0.5	\$ 72,767
Direct City Staff 1.0	\$ <u>86,700</u>
Total Staff 1.5	\$ <u>159,467</u>

**Software and Services**

Software & Services	Cost
Itron Software Support (CS-1517) (100% of total)	\$65,000
Shared Software	\$0
Direct Software	\$65,000
Cellular connectivity	\$90,000
Historian Support (50% of 1 HP consultant) (100% of Total)	\$149,760
Shared Services	\$239,760
Direct Services	\$0
<b>Total Annual Support and Maintenance</b>	<b>\$304,760</b>

Shared Software and Services	\$239,760
Direct Software and Services	\$65,000

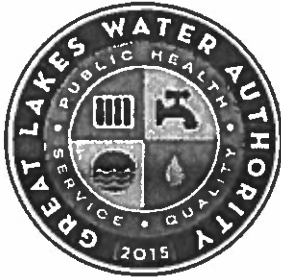
**Total Automatic Meter Reading Technology Suite** **\$ 464,226.95**

<b>Total Direct Cost</b>	<b>151,700</b>
<b>Total Shared Service Cost</b>	<b>312,527</b>
<b>Monthly Shared Service Cost</b>	
<b>(Total Shared Services / 12)</b>	<b>\$ 26,044</b>

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**Shared Services Agreement  
Schedule**



**IT: Customer Service Technology Suite**

Shared Service Schedule #	ITS-002
Service Provider	Great Lakes Water Authority (GLWA or Provider)
Service Subscriber / Payer	City of Detroit / Detroit Water and Sewerage Department - Retail (City or Subscriber)
Description of Service	Customer Service Technology Suite
Description of Requirements, Level of Service, Hours of Service	<p>Provider shall provide the Subscriber access to and use of the following software, systems and programs (the "Software and Systems"):</p> <ul style="list-style-type: none"> <li>- enQuesta The billing system used to generate bills for both retail and wholesale customers and perform accounts receivable functions.</li> <li>- Inovah Cashiering and receipting system attached to enQuesta</li> <li>- ZipWire (ACD) Used to route incoming calls from retail customers to the appropriate location.</li> <li>- Selectron (IVR) Interactive Voice Response solution used for payment processing via telephone for retail water bills.</li> <li>- Pitney Bowes Used to perform address correction and postal optimization during the mailing of bills.</li> </ul> <p>Provider shall provide the following services to support the Subscriber's access to and use of the Software and Systems:</p> <ul style="list-style-type: none"> <li>- Use of the Provider's servers (IBM AIX) to store the Subscriber's data from the Software and Systems</li> </ul> <p>Provider shall:</p> <ul style="list-style-type: none"> <li>- Ensure operation of the Software and Systems technology environment serving Subscriber retail customers.</li> <li>- Ensure that regular patching and code updates are applied to the Software and Systems to keep the platform secure and reliable.</li> <li>- Work with Subscriber to test disaster recovery plans and to test restoration of servers when requested by Subscriber.</li> </ul> <p>Subscriber shall:</p> <ul style="list-style-type: none"> <li>- Provide a technical Point of Contact (with a networking and systems background) for all Provider communications</li> <li>- Work with Provider to test disaster recovery plans and to test restoration of servers when requested</li> </ul>

	<p><b>Service Level Definitions (with performance metrics):</b> Provider shall take commercially reasonable steps to ensure that:</p> <ul style="list-style-type: none"> <li>- Major planned service outages, scheduled outside of the scheduled window, are discussed with Subscriber at a minimum of 10 business days prior to the planned service outages, and a mutually agreed upon schedule for the outages will be implemented.</li> <li>- Provider shall provide 48-hour response and best effort resolution on standard service requests.</li> <li>- Provider shall provide 4-hour response and best effort resolution on emergency service requests, including restorations.</li> </ul> <p><b>Maintenance Schedules (Scheduled and Critical):</b></p> <ul style="list-style-type: none"> <li>- Provider will perform scheduled (non-emergency) maintenance between the hours of 6 PM to 6 AM local time. Normal maintenance includes (1) upgrades of hardware and software and (2) upgrades to capacity.</li> <li>- Provider may perform critical maintenance at any time to correct conditions that require immediate attention. Critical maintenance is performed at the discretion of the Provider and may degrade or disrupt service. All reasonable business efforts will be attempted to notify the Subscriber's designated point of contact as is reasonably practicable under the circumstance.</li> </ul> <p><b>Software Access and Change Control:</b></p> <ul style="list-style-type: none"> <li>- The Parties shall establish a work group, which shall include at least one representative from each party, to oversee a change control process (the "Change Control Process") for the approval of any modifications, alterations, or other changes (each, a "Software Modification") to the Software and Systems and programs described herein (the "Software"). No Software Modification shall be authorized or made to the Software if such modification would impair the effectiveness of the Software used by or for the benefit of the Party that is not requesting the Software Modification.</li> <li>- Nothing contained in this Schedule shall modify or terminate the rights that a Party enjoys as a licensee (the "Licensed Party") of the Software, provided that the Licensed Party shall comply with the Change Control Process for that Software.</li> <li>- If the Subscribing Party is not the Licensed Party, the Licensed Party shall ensure the non-Licensed Party has the proper level of access to the Software, up to full administrator-level access, necessary for its operations, provided that the non-Licensed Party shall comply with any Change Control Process for that Software.</li> </ul>
<p><b>Related Services</b></p>	<p>N/A</p>
<p><b>Assumptions, Dependencies, and Requirements</b></p>	<p><b>Assumptions:</b></p> <ul style="list-style-type: none"> <li>- System upgrades are performed by City of Detroit, except the upgrade planned in 2016 (the "2016 upgrade"). The 2016 upgrade to enQuesta version 5 is budgeted for \$841k and \$75k implementation of the cross connection module, budgeted as a Subscriber expense.</li> </ul>

	<ul style="list-style-type: none"> <li>- The migration of the customer services suite infrastructure to the City of Detroit IT department will occur over the next five years.</li> <li>- Changes to the function or scope of the Software and Systems are performed by the CBMS team transitioning to DWSD-R with support from GLWA IT.</li> <li>- Updates in support required by GLWA IT should be planned through the annual budgeting process (the "Change Request Process"). The Change Request Process consists of: DWSD-R provides its requirements to GLWA IT, and GLWA IT provides a time and cost estimate for the change. Mid-year changes outside of the annual budget planning process that cannot be completed with the available CBMS staff and allocated GLWA IT resources are funded by DWSD-R, and may additionally require budget approval for a mid-year change.</li> <li>- DWSD-R owns the licenses for the Software and Systems and this schedule covers the support of those systems and the required infrastructure by GLWA IT.</li> <li>- Costs associated with GLWA IT staff needed to keep the Software and Systems operational are billed to DWSD-R. The billing for the software maintenance, support services, and fees to operate the customer service applications will be directly billed to DWSD-R. If any of these amounts cannot be directly billed to DWSD-R, GLWA will bill DWSD-R for these fees under this shared service schedule.</li> <li>- Until GLWA can establish their own billing system and processes, wholesale water customers may also be billed using the Software and Systems.</li> <li>- IT Infrastructure Services required to support this shared service schedule are provided for in the IT Infrastructure shared service schedule, ITS-009.</li> </ul> <p>Dependencies:</p> <ul style="list-style-type: none"> <li>- Customer service, billing, payment application, collections, and AR tracking for retail water customers are dependent upon the operation of the Software and Systems.</li> <li>- The Software and Systems depend on the availability of ISP services.</li> </ul> <p>Requirements:</p> <ul style="list-style-type: none"> <li>- IBM AIX, Oracle, Windows 2012, SQL Server 2008</li> </ul>
Space/Location	<ul style="list-style-type: none"> <li>• 735 Randolph, Detroit, MI 48226</li> <li>• 6425 Huber, Detroit, MI 48211</li> </ul>
Staffing	<p><i>Dedicated Provider Staff:</i></p> <ul style="list-style-type: none"> <li>- Assume 2 Applications Analysts will remain with DWSD-R</li> <li>- Assume 1 Service Desk Analyst will remain with DWSD-R</li> </ul> <p><i>Leveraged Provider Staff:</i></p> <ul style="list-style-type: none"> <li>- .1 Database Administrator</li> <li>- .4 Infrastructure Administrator</li> <li>- .9 Service Desk Analyst</li> <li>- .5 IT Project Manager</li> <li>- .2 Applications Delivery Manager - Line of Business</li> <li>- .1 Service Delivery Manager – Service Desk</li> </ul>

	<ul style="list-style-type: none"> <li>- .1 Service Delivery Manager – Administration</li> <li>- .2 Risk and Information Manager</li> </ul> <p>Total staff: 2.5 FTE</p>
Duration (phasing), extensions	<p>This term shall expire on June 30, 2021.</p> <p>The term may be extended by mutual agreement of the Parties for additional one-year terms pursuant to Section 2.3 of the Agreement.</p>
Cost Methodology	<p>Costs have been determined by:</p> <ul style="list-style-type: none"> <li>- Allocating each of the Provider ITS personnel across the various IT shared service schedules or to other tasks which are 100% Provider.</li> <li>- Determining the rate for each employee, which equals their budgeted salary plus 50% to cover fringes. For temporary labor, the rate paid to the contractor is multiplied by 80% to determine the equivalent cost of an equivalent employee (Fill Rate). The fringe rate and temporary labor "Fill Rate" are estimates for the 2015-16 budget year and are expected to change annually.</li> <li>- Calculating the total labor dollars to be allocated to each IT shared service schedule by adding up the personnel and staffing costs of each resource allocated to each shared service.</li> <li>- Excluding costs of personnel who will be directly employed by DWSD-R in support of a given service.</li> <li>- Assigning direct costs such as software licensing, software vendor maintenance costs, and outsourced/contracted support services to each shared service. For those shared services predominately used by DWSD-R, these direct costs are assumed to be directly billed to DWSD-R by the vendor and paid by DWSD-R and are typically counted as \$0 toward shared costs. In case it is not possible to have DWSD-R be directly billed for a vendor charge, the annual shared service billing amount will increase by the pro-rated portion of costs listed as direct costs which cannot be directly billed to DWSD-R.</li> <li>- The total software and services costs are multiplied by the percentage of the system to be used by DWSD-R to arrive at the total shared software and services cost to DWSD-R.</li> </ul>
Separation Costs	<p>Separation Costs are anticipated as follows: Transition Costs associated with transferring records of the Services provided to Subscriber's new data/records system.</p>
Cost Type	Shared Service
Frequency of Payment	Monthly
Notice of Termination of Entire Service or Element	Subscriber may terminate this schedule upon 180 days advance written notice to the Provider; and Provider may terminate this schedule upon two years advance written notice to the Subscriber.
Contact for City/DWSD-R	Title: Chief Information Officer
Contact for GLWA	Title: Chief Information Officer

List of Exhibits & Attachments	Exhibit A: Cost Methodology Initial Allocation
Approved for GLWA (w/Date):	Sue McCormick (12/9/2015)
Approved for City/DWSD-R (w/Date):	Gary Brown (12/9/2015)
Effective Date:	January 1, 2016

**EXHIBIT A  
COST ALLOCATION INITIAL ALLOCATION**

**Retail Customer Service Technology Suite  
Great Lakes Water Authority Staffing**

Position	FTE
2 Application Analysts and 1 Service Desk Analyst are planned to remain with City to support the customer service suite	
Applications Analyst	2
Database Administrator	0.1
Infrastructure Administrator	0.4
Service Desk Analyst	1.9
Apps Delivery Manager	0.2
Service Desk Manager - SD	0.1
Service Desk Manager - Admin	0.1
Security and Risk Manager	0.2
Project Manager	0.5
	<b>5.5</b>

Shared Staff 2.5 \$	343,218.80
Direct City Staff 3.0	<u>266,730.00</u>
Total Staff 5.5 \$	<u>609,948.80</u>

**Software and Services**

Software & Services	Cost
Support Services for enQuesta	\$620,718
Third party support for inovah, IBM AIX, Pitney Bowes & Cognos	\$202,210
IVR	\$70,000
Storm water billing maintenance	\$27,318
ACD (Zipwire)	\$225,000
<b>Shared Software</b>	\$0
<b>Direct Software</b>	\$1,145,246
Card processing fees	\$270,000
Training	\$42,667
Contingency	\$83,333
<b>Shared Services</b>	\$0
<b>Direct Services</b>	\$396,000
<b>Total Annual Support and Maintenance</b>	\$1,541,246

Shared Software and Services	\$0
Direct Software and Services	\$1,541,246

<b>Total Retail Customer Service Technology Suite</b>		<b><u>\$2,151,195</u></b>
<b>Total Direct Cost</b>		<b>1,807,976.15</b>
<b>Total Shared Service Cost</b>	<b>\$</b>	<b>343,218.80</b>
<b>Monthly Shared Service Cost</b>		
<b>(Total Shared Services / 12)</b>	<b>\$</b>	<b>28,602</b>

**Notes - Planned Customer Suite Upgrades for 2015-16**

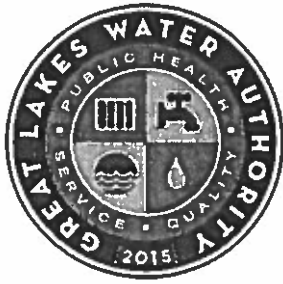
<b>enQuesta Upgrade (FY2016)</b>	<b>\$841,400</b>
<b>Cross Connection Module</b>	<b>\$75,000</b>
<b>Scheduled Upgrades</b>	<b>\$916,400</b>

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**Shared Services Agreement  
Schedule**



**IT: See Click Fix (Improve Detroit)**

Shared Service Schedule #	ITS-003
Service Provider	Great Lakes Water Authority
Service Subscriber / Payer	City of Detroit / Detroit Water and Sewerage Department - Retail
Description of Service	<p><b>See-Click-Fix (Improve Detroit)</b>          See-Click-Fix is a software package that allows citizens to report items in the City that need to be repaired this includes items that belong to Subscriber.</p>
Description of Requirements, Level of Service, Hours of Service	<p>Provider shall provide the Subscriber support for integrations with WAM, EnQuesta and Service Link for the following customer reported issues, including:</p> <ul style="list-style-type: none"> <li>o Running water in abandoned buildings</li> <li>o Water main breaks</li> <li>o Fire hydrant issues</li> <li>o Missing manhole covers</li> <li>o Clogged drains</li> </ul> <p>Additional customer reported problems shall be added to this list as added to "See click fix"</p> <p><b>Provider shall:</b></p> <ul style="list-style-type: none"> <li>- Ensure operation of interfaces occurring in WAM, EnQuesta, and Service Link.</li> <li>- Ensure that the service is operating and the interfaces are occurring properly.</li> <li>- Work with Subscriber to test disaster recovery plans and to test restoration of servers when requested.</li> </ul> <p><b>Subscriber shall:</b></p> <ul style="list-style-type: none"> <li>- Provide a technical Point of Contact (with a networking and financial information systems background) for all Provider Communications</li> <li>- Work with Subscriber to test disaster recovery plans and to test restoration of servers when requested by Subscriber.</li> </ul> <p><b>Service Level Definitions (with performance metrics):</b> Provider shall take commercially reasonable steps to ensure that:</p> <ul style="list-style-type: none"> <li>- Major planned service outages will be discussed with Subscriber at a minimum of 10 business days prior to the planned service outages and a mutually agreed upon schedule for the outages will be implemented.</li> <li>- Provider shall provide 48-hour response and best effort resolution on standard service requests.</li> </ul>

	<ul style="list-style-type: none"> <li>- Provider shall provide 4-hour response and best effort resolution on emergency service requests, including restorations.</li> </ul> <p><b>Maintenance Schedules (Scheduled and Critical):</b></p> <ul style="list-style-type: none"> <li>- Provider will perform scheduled (non-emergency) maintenance between the hours of 6 PM to 6 AM local time.</li> <li>- Provider will perform critical maintenance any time to correct conditions that require immediate attention. Critical maintenance is performed at the discretion of the Provider and may degrade or disrupt service. All reasonable business efforts will be attempted to notify the Subscriber's designated point of contact as is reasonably practicable under the circumstance.</li> </ul> <p><b>Software Access and Change Control:</b></p> <ul style="list-style-type: none"> <li>- The Parties shall establish a work group, which shall include at least one representative from each party, to oversee a change control process (the "Change Control Process") for the approval of any modifications, alterations, or other changes (each, a "Software Modification") to the Software and Systems and programs described herein (the "Software"). No Software Modification shall be authorized or made to the Software if such modification would impair the effectiveness of the Software used by or for the benefit of the Party that is not requesting the Software Modification.</li> <li>- Nothing contained in this Schedule shall modify or terminate the rights that a Party enjoys as a licensee (the "Licensed Party") of the Software, provided that the Licensed Party shall comply with the Change Control Process for that Software.</li> <li>- If the Subscribing Party is not the Licensed Party, the Licensed Party shall ensure the non-Licensed Party has the proper level of access to the Software, up to full administrator-level access, necessary for its operations, provided that the non-Licensed Party shall comply with any Change Control Process for that Software.</li> </ul>
<p><b>Related Services</b></p>	<p>N/A</p>
<p><b>Assumptions, Dependency, and Requirements</b></p>	<p><b>Assumptions:</b></p> <ul style="list-style-type: none"> <li>- Changes to the function or scope of the See-Click-Fix system or integrations are planned through the annual budgeting process (the "Change Request Process"). The Change Request Process consists of: Subscriber provides its requirements to Provider IT, and Provider IT provides a time and cost estimate for the change. Mid-year changes outside of the annual budget planning process that cannot be completed with the available Provider IT allocated resources are funded by Subscriber, and may additionally require budget approval for a mid-year change.</li> <li>- Subscriber is responsible for the costs of Provider IT staff needed to keep the See-Click-Fix system and integrations operational and third party service contracts maintained by Provider.</li> <li>- Subscriber continues to own the See-Click-Fix subscription. If this amount cannot be directly billed to them, GLWA will charge it back to Subscriber as part of this shared service schedule. The third party support via HP is part of a larger contract to be</li> </ul>

	<p>managed by Provider. This contract may be split and transitioned to Subscriber and direct billed to Subscriber.</p> <ul style="list-style-type: none"> <li>- IT Infrastructure Services (e.g networking, servers, storage etc.) required to support this shared service schedule are provided for in the IT Infrastructure shared service schedule, ITS-009.</li> </ul> <p>Dependency:</p> <ul style="list-style-type: none"> <li>- This software depends on an Internet connection and the Tibco environment</li> </ul>
Space/Location	<ul style="list-style-type: none"> <li>• 735 Randolph, Detroit, MI 48226</li> </ul>
Staffing	<p><i>Leveraged Provider Staff:</i></p> <ul style="list-style-type: none"> <li>- .2 Applications Analyst</li> <li>- .1 Service Desk Analyst</li> </ul> <p>Total staff .3 FTE</p>
Duration (phasing), extensions	<p>This term shall expire on June 30, 2021.</p> <p>The term may be extended by mutual agreement of the Parties for additional one-year terms pursuant to Section 2.3 of the Agreement.</p>
Cost Methodology	<p>Costs have been determined by:</p> <ul style="list-style-type: none"> <li>- Allocating each of the Provider ITS personnel across the various IT shared service schedules or to other tasks which are 100% Provider.</li> <li>- Determining the rate for each employee, which equals their budgeted salary plus 50% to cover fringes. For temporary labor, the rate paid to the contractor is multiplied by 80% to determine the equivalent cost of an equivalent employee (Fill Rate). The fringe rate and temporary labor "Fill Rate" are estimates for the 2015-16 budget year and are expected to change annually.</li> <li>- Calculating the total labor dollars to be allocated to each IT shared service schedule by adding up the personnel and staffing costs of each resource allocated to each shared service.</li> <li>- Excluding costs of personnel who will be directly employed by Subscriber in support of a given service.</li> <li>- Assigning direct costs such as software licensing, software vendor maintenance costs, and outsourced/contracted support services to each shared service. For those shared services predominately used by Subscriber, these direct costs are assumed to be directly billed to Subscriber by the vendor and paid by Subscriber and are typically counted as \$0 toward shared costs. In case it is not possible to have Subscriber be directly billed for a vendor charge, the annual shared service billing amount will increase by the pro-rated portion of costs listed as direct costs which cannot be directly billed to Subscriber.</li> </ul>

	The software and services costs are multiplied by the percentage of the system to be used by Subscriber to arrive at the total shared software and services cost to Subscriber.
Separation Costs	Separation Costs are anticipated as follows: Transition Costs associated with transferring records of the Services provided to Subscriber's new data/records system.
Cost Type	Shared Service
Frequency of Payment	Monthly
Notice of Termination of Entire Service or Element	Subscriber may terminate this schedule upon 180 days advance written notice to the Provider; and Provider may terminate this schedule upon two years advance written notice to the Subscriber.
Contact for City/DWSD-R	Title: Chief Information Officer - Detroit
Contact for GLWA	Title: Chief Information Officer
List of Exhibits & Attachments	Exhibit A: Cost Methodology Initial Allocation
Approved for GLWA (w/Date):	Sue McCormick (12/9/2015)
Approved for City/DWSD-R (w/Date):	Gary Brown (12/9/2015)
Effective Date:	January 1, 2016

**EXHIBIT A  
COST METHODOLOGY INITIAL ALLOCATION**

See Click Fix

**Great Lakes Water Authority Staffing**

Position	FTE
There is no direct labor planned to support See Click Fix	
Applications Analyst	0.2
Database Administrator	
Infrastructure Administrator	
Service Desk Analyst	0.1
Apps Delivery Manager	
Service Desk Manager	
Project Manager	
	<b>0.3</b>

Shared Staff 0.3	\$	40,846
Direct City Staff 0.0	\$	-
<b>Total Staff 0.3</b>	<b>\$</b>	<b><u>40,846</u></b>

**Software and Services**

Software & Services	Cost
Subscription for See Click Fix (at 100% of total)	\$35,000
<b>Shared Software</b>	\$0
<b>Direct Software</b>	\$35,000
Third party support for See Click Fix (.5 HP staff) (at 100% of Total)	\$138,240
<b>Shared Services</b>	\$138,240
<b>Direct Services</b>	\$0
<b>Total Annual Support and Maintenance</b>	<b>\$173,240</b>

Shared Software and Services	\$138,240
Direct Software and Services	\$35,000
<b>Total See Click Fix</b>	<b><u>\$214,086</u></b>
<b>Total Direct Cost</b>	<b>\$35,000</b>
<b>Total Shared Service Cost</b>	<b>\$179,086</b>
<b>Monthly Shared Service Cost</b> (Total Shared Services / 12)	<b>\$ 14,924</b>

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## Shared Services Agreement Schedule

IT: WAM



Shared Service Schedule #	ITS-004
Service Provider	Great Lakes Water Authority
Service Subscriber / Payer	City of Detroit / Detroit Water and Sewerage Department-Retail
Description of Service	Oracle Work Order and Asset Management (WAM)
Description of Requirements, Level of Service, Hours of Service	<p>Provider shall provide the Subscriber access to and use of the following software, systems and programs (the "Software and Systems"):</p> <ul style="list-style-type: none"> <li>- Oracle Work Order and Asset Management (WAM) Platform (application server, database server, software, connectivity) Used to perform asset management, including routing and tracking work orders.</li> <li>- Interfaces to Procurement and Finance Systems</li> <li>- Interfaces to Mobile Workforce Management Systems (Service-Link)</li> </ul> <p>Provider shall:</p> <ul style="list-style-type: none"> <li>- Ensure operation of the Software and Systems technology environment.</li> <li>- Ensure that regular O/S patching and application code updates are applied to the Software and Systems keep the platform secure, up-to-date, and reliable.</li> <li>- Ensure that the environment (application and data) of the Software and Systems is backed-up on a regular basis</li> <li>- Manage and maintain the database environment for optimal performance.</li> <li>- Address Subscriber requests for small configuration changes to the Software and Systems.</li> <li>- Address Subscriber requests for access and authorization changes to the Software and Systems.</li> <li>- Work with Subscriber to test disaster recovery plans and to test restoration of servers when requested (at least annually).</li> </ul> <p>Subscriber shall:</p> <ul style="list-style-type: none"> <li>- Provide a technical Point of Contact (with a networking and systems background), for all Provider communications. The technical Point of Contact will also coordinate activities and requirements gathering with the business subject matter experts ("SMEs") and operational users of WAM.</li> <li>- Provide business SMEs Points of Contact that have an understanding of Asset Management, Materials Management, and Maintenance &amp;</li> </ul>

	<p>Repair Operations. These business SMEs will through the technical Point of Contact for requests.</p> <ul style="list-style-type: none"> <li>- Work with provider to test disaster recovery plans and to test restoration of servers when requested (at least annually).</li> </ul> <p>Service Level Definitions (with performance metrics): Provider shall take commercially reasonable steps to ensure that:</p> <ul style="list-style-type: none"> <li>- Major planned service outages will be discussed with Subscriber at a minimum of 10 business days prior to the planned service outages and a mutually agreed upon schedule for the outages will be implemented.</li> <li>- Provider shall provide 48-hour response and best effort resolution on standard service requests.</li> <li>- Provider shall provide 4-hour response and best effort resolution on emergency service requests, including restorations.</li> </ul> <p>Maintenance Schedules (Scheduled and Critical):</p> <ul style="list-style-type: none"> <li>- Provider will perform scheduled (non-emergency) maintenance between the hours of 6 PM to 6 AM local time. Normal maintenance includes (1) upgrades of hardware and software and (2) upgrades to capacity;</li> <li>- Provider may perform critical maintenance at any time to correct conditions that require immediate attention. Critical maintenance is performed at the discretion of the Provider and may degrade or disrupt service. All reasonable business efforts will be attempted to notify the Subscriber’s designated point of contact as is reasonably practicable under the circumstance.</li> </ul> <p>Software Access and Change Control:</p> <ul style="list-style-type: none"> <li>- The Parties shall establish a work group, which shall include at least one representative from each party, to oversee a change control process (the “Change Control Process”) for the approval of any modifications, alterations, or other changes (each, a “Software Modification”) to the Software and Systems and programs described herein (the “Software”). No Software Modification shall be authorized or made to the Software if such modification would impair the effectiveness of the Software used by or for the benefit of the Party that is not requesting the Software Modification.</li> <li>- Nothing contained in this Schedule shall modify or terminate the rights that a Party enjoys as a licensee (the “Licensed Party”) of the Software, provided that the Licensed Party shall comply with the Change Control Process for that Software.</li> <li>- If the Subscribing Party is not the Licensed Party, the Licensed Party shall ensure the non-Licensed Party has the proper level of access to the Software, up to full administrator-level access, necessary for its operations, provided that the non-Licensed Party shall comply with any Change Control Process for that Software.</li> </ul>
Related Services	N/A
Assumptions, Dependencies, and Requirements	Assumptions:

	<ul style="list-style-type: none"> <li>- All upgrades are planned and agreed upon using a team approach of Subscriber and Provider resources (IT and Business SMEs).</li> <li>- Provider IT addresses Subscriber requests for medium to large configuration changes or software enhancements with a Statement of Work and associated costs based on detailed requirements from the Subscriber.</li> <li>- Updates are planned during the annual budgeting process. Mid-year changes that cannot be completed within the available allocated Provider IT resources are funded by Subscriber and may additionally require budget approval for the mid-year change.</li> <li>- Both Provider and Subscriber are responsible for the costs of testing and validation as part of system upgrades.</li> <li>- WAM is a required service for maintenance and management of Subscriber and Provider assets. Without this service Subscriber and Provider may not be able to provide water distribution and sewerage collection to its customers due to non-functioning assets.</li> <li>- Subscriber will continue to be able to enter and manage work orders.</li> <li>- IT Infrastructure Services (e.g networking, servers, storage etc.) required to support this shared service schedule are provided for in the IT Infrastructure shared service schedule, ITS-009.</li> </ul> <p>Dependency:</p> <ul style="list-style-type: none"> <li>- This set of services software depends upon a compatible version of Java on the desktop.</li> </ul> <p>Requirements:  Operating System: Red Hat Linux  Database: Oracle 11i  Application Server: Java</p>
Space/Location	<ul style="list-style-type: none"> <li>• 735 Randolph, Detroit, MI 48226</li> <li>• 6425 Huber, Detroit, MI 48211</li> </ul>
Staffing	<p><i>Dedicated Provider Staff:</i></p> <ul style="list-style-type: none"> <li>- None</li> </ul> <p><i>Leveraged Provider Staff:</i></p> <ul style="list-style-type: none"> <li>- 0.1 Database Administrator</li> <li>- 0.2 Infrastructure Administrator</li> <li>- 0.4 Applications Analyst</li> <li>- 0.2 Service Desk Analyst</li> <li>- 0.1 Applications Delivery Manager - Line of Business</li> <li>- 0.1 Service Delivery Manager - Administration</li> <li>- 0.1 Service Delivery Manager – Service Desk</li> </ul> <p>Total staff: 1.2 FTE</p>
Duration (phasing), extensions	<p>This term shall expire on June 30, 2021.</p> <p>The term may be extended by mutual agreement of the Parties for additional one-year terms pursuant to Section 2.3 of the Agreement.</p>
Cost Methodology	<p>Cost assumptions: 40% of the software and services costs to support WAM will be allocated to Subscriber.</p>

	<p>Costs have been determined by:</p> <ul style="list-style-type: none"> <li>- Allocating each of the Provider ITS personnel across the various IT shared service schedules or to other tasks which are 100% Provider.</li> <li>- Determining the rate for each employee, which equals their budgeted salary plus 50% to cover fringes. For temporary labor, the rate paid to the contractor is multiplied by 80% to determine the equivalent cost of an equivalent employee (Fill Rate). The fringe rate and temporary labor "Fill Rate" are estimates for the 2015-16 budget year and are expected to change annually.</li> <li>- Calculating the total labor dollars to be allocated to each IT shared service schedule by adding up the personnel and staffing costs of each resource allocated to each shared service.</li> <li>- Excluding costs of personnel who will be directly employed by Subscriber in support of a given service.</li> <li>- Assigning direct costs such as software licensing, software vendor maintenance costs, and outsourced/contracted support services to each shared service. For those shared services predominately used by Subscriber, these direct costs are assumed to be directly billed to Subscriber by the vendor and paid by Subscriber and are typically counted as \$0 toward shared costs. In case it is not possible to have Subscriber be directly billed for a vendor charge, the annual shared service billing amount will increase by the pro-rated portion of costs listed as direct costs which cannot be directly billed to Subscriber.</li> <li>- The software and services costs are multiplied by the percentage of the system to be used by Subscriber to arrive at the total shared software and services cost to Subscriber.</li> </ul>
Separation Costs	Separation Costs are anticipated as follows: Transition Costs associated with transferring records of the Services provided to Subscriber's new data/records system.
Cost Type	Shared Service
Frequency of Payment	Monthly
Notice of Termination of Entire Service or Element	Subscriber may terminate this schedule upon 180 days advance written notice to the Provider; and Provider may terminate this schedule upon two years advance written notice to the Subscriber.
Contact for City/DWSD – R	Title: Chief Information Officer
Contact for GLWA	Title: Chief Information Officer
List of Exhibits & Attachments	Exhibit A: Cost Methodology Initial Allocation
Approved for GLWA (w/Date):	Sue McCormick (12/9/2015)
Approved for DWSD-R (w/Date):	Gary Brown (12/9/2015)
Effective Date:	January 1, 2016

**EXHIBIT A  
COST METHODOLOGY INITIAL ALLOCATION**

**WAM**

**Great Lakes Water Authority Staffing**

Position	FTE
There is no direct labor planned to support this shared service	
Applications Analyst	0.2
Database Administrator	0.1
Infrastructure Administrator	0.2
Service Desk Analyst	0.2
Apps Delivery Manager	0.1
Service Desk Manager	0.1
Administration Manager	0.1
Project Manager	
<b>1.0</b>	<b>\$141,150</b>

Shared Staff 1.0	\$ 141,150
Direct DWSD-R Staff 0.0	\$ -
<b>Total Staff 1.0</b>	<b><u>\$ 141,150</u></b>

**Software and Services**

Software & Services	Cost
Support Services for WAM (HP) (at 40% of total)	\$766,093
Third party support for WAM (at 40% of total)	\$78,800
<b>Total Shared Software and Services</b>	<b>\$604,893</b>
<b>Total Annual Support and Maintenance</b>	<b>\$844,893</b>

Shared Software and Services	\$844,893
Direct Software and Services	\$0
<b>Total WAM</b>	<b><u>\$986,043</u></b>
<b>Total Direct Cost</b>	<b>-</b>
<b>Total Shared Service Cost</b>	<b>\$986,043</b>
<b>Monthly Shared Service Cost</b>	
<b>(Total Shared Services / 12)</b>	<b>\$ 82,170</b>

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**Shared Services Agreement  
Schedule**



**IT: Mobile Workforce Management-Service Link  
Suite**

Shared Service Schedule #	ITS-005
Service Provider	Great Lakes Water Authority
Service Subscriber / Payer	City of Detroit / Detroit Water and Sewerage Department - Retail
Description of Service	Mobile Workforce Management – Service Link Suite
Description of Requirements, Level of Service, Hours of Service	<p>Provider shall provide the Subscriber access to and use of the following software, systems and programs (the “Software and Systems”):</p> <ul style="list-style-type: none"> <li>- Service Link – Mobile Workforce Management (application server, database server, software, connectivity). Allows employees to receive and update work orders via mobile devices.</li> <li>- Interfaces to Work Order and Asset Management (WAM) System.</li> <li>- Interfaces to See-Click-Fix.</li> </ul> <p>Provider shall:</p> <ul style="list-style-type: none"> <li>- Ensure operation of Software and Systems technology environment.</li> <li>- Ensure that regular O/S patching and application code updates are applied to the Software and Systems to keep the platform secure, up-to-date, and reliable.</li> <li>- Ensure that the environment (application and data) of the Software and Systems is backed-up on a regular basis.</li> <li>- Manage and maintain the database environment for optimal performance of the Software and Systems.</li> <li>- Address Subscriber requests for small configuration changes to the Software and Systems.</li> <li>- Address Subscriber requests for access and authorization changes to the Software and Systems.</li> <li>- Work with Subscriber to test disaster recovery plans and to test restoration of servers when requested (at least annually).</li> </ul> <p>Subscriber shall:</p> <ul style="list-style-type: none"> <li>- Provide a technical Point of Contact (with a networking and systems background), for all Provider communications. The Point of Contact will also coordinate activities and requirements gathering with the business SMEs and operational users of Service Link.</li> <li>- Provide business SMEs Points of Contact that have an understanding of Maintenance &amp; Repair Operations. These Business SMEs will through the technical POC for requests.</li> <li>- Work with Provider to test disaster recovery plans and to test restoration of servers when requested (at least annually).</li> </ul>

	<p><b>Service Level Definitions (with performance metrics):</b> Provider shall take commercially reasonable steps to ensure that:</p> <ul style="list-style-type: none"> <li>- Major planned service outages will be discussed with Subscriber at a minimum of 10 business days prior to the planned service outages and a mutually agreed upon schedule will be implemented for the outages.</li> <li>- Provider shall provide 48-hour response and best effort resolution on standard service requests.</li> <li>- Provider shall provide 4-hour response and best effort resolution on emergency service requests, including restorations.</li> </ul> <p><b>Maintenance Schedules (Scheduled &amp; Critical):</b></p> <ul style="list-style-type: none"> <li>- Provider will perform scheduled (non-emergency) maintenance between the hours of 6 PM to 6 AM local time. Normal maintenance includes (1) upgrades of hardware and software and (2) upgrades to capacity;</li> <li>- Provider may perform critical maintenance at any time to correct conditions that require immediate attention. Critical maintenance is performed at the discretion of the Provider and may degrade or disrupt service. All reasonable business efforts will be attempted to notify the Subscriber’s designated point of contact as is reasonably practicable under the circumstance.</li> </ul> <p><b>Software Access and Change Control:</b></p> <ul style="list-style-type: none"> <li>- The Parties shall establish a work group, which shall include at least one representative from each party, to oversee a change control process (the “Change Control Process”) for the approval of any modifications, alterations, or other changes (each, a “Software Modification”) to the Software and Systems and programs described herein (the “Software”). No Software Modification shall be authorized or made to the Software if such modification would impair the effectiveness of the Software used by or for the benefit of the Party that is not requesting the Software Modification.</li> <li>- Nothing contained in this Schedule shall modify or terminate the rights that a Party enjoys as a licensee (the “Licensed Party”) of the Software, provided that the Licensed Party shall comply with the Change Control Process for that Software.</li> <li>- If the Subscribing Party is not the Licensed Party, the Licensed Party shall ensure the non-Licensed Party has the proper level of access to the Software, up to full administrator-level access, necessary for its operations, provided that the non-Licensed Party shall comply with any Change Control Process for that Software.</li> </ul>
Related Services	N/A
Assumptions, Dependency, and Requirements	<p><b>Assumptions:</b></p> <ul style="list-style-type: none"> <li>- The Software and Systems support both Provider and Subscriber all in one instance. Workforce scheduling and dispatch as well as routes for both subscribers co-exist within the same instance. As the Software and Systems maintain and support assets for both entities, there will be only one interface between Service Link and WAM. Both Subscriber</li> </ul>

	<p>and Provider resources are used for all upgrades. Upgrades are planned and agreed upon by Subscriber and Provider (IT and business subject matter experts).</p> <ul style="list-style-type: none"> <li>- Provider IT addresses Subscriber requests for medium to large configuration changes or software enhancements with a Statement of Work and associated costs based on detailed requirements from the Subscriber.</li> <li>- Updates are planned during the annual budgeting process. Mid-year changes that cannot be completed within the available allocated Provider IT resources are funded by Subscriber, and may additionally require budget approval for the mid-year change.</li> <li>- Both Provider and Subscriber are responsible for the costs of testing and validation as part of system upgrades.</li> <li>- Service Link is a required service for maintenance and management of Subscriber and Provider assets. Without this service Subscriber and Provider may not be able to provide water distribution and sewerage collection to its customers due to non-functioning assets.</li> <li>- IT Infrastructure Services (e.g networking, servers, storage etc.) required to support this shared service schedule are provided for in the IT Infrastructure shared service schedule, ITS-009.</li> </ul> <p>Dependency:</p> <ul style="list-style-type: none"> <li>- This set of services software depends upon a map service to operate. It is configured with Microsoft MapPoint Service. The service may change to ESRI.</li> </ul> <p>Requirements:</p> <p>Operating System: MS Windows Server  Database: SQL Server  Application Server: .Net</p>
Space/Location	<ul style="list-style-type: none"> <li>• 735 Randolph, Detroit, MI 48226</li> </ul>
Staffing	<p>Existing Contractual Services:</p> <ul style="list-style-type: none"> <li>- There a contract with HP for Service Link operations and maintenance outside of the Tibco Interface. That contract is CS-1566 and it is part of Meter Operations.</li> </ul> <p>Leveraged Provider Staff:</p> <ul style="list-style-type: none"> <li>- 0.1 Database Administrator</li> <li>- 0.2 Infrastructure Administrator</li> <li>- 0.4 Applications Analyst</li> <li>- 0.2 Service Desk Analyst</li> <li>- 0.1 Applications Delivery Manager - Line of Business</li> <li>- 0.1 Service Delivery Manager</li> </ul> <p>Total Staffing: 1.1 FTE</p>
Duration (phasing), extensions	<p>This term shall expire on June 30, 2021.  The term may be extended by mutual agreement of the Parties for additional one-year terms pursuant to Section 2.3 of the Agreement.</p>

<p>Cost Methodology</p>	<p>Cost assumptions: 70% of the software and services costs to support Service Link will be allocated to Subscriber.</p> <p>Costs have been determined by:</p> <ul style="list-style-type: none"> <li>- Allocating each of the Provider ITS personnel across the various IT shared service schedules or to other tasks which are 100% Provider.</li> <li>- Determining the rate for each employee, which equals their budgeted salary plus 50% to cover fringes. For temporary labor, the rate paid to the contractor is multiplied by 80% to determine the equivalent cost of an equivalent employee (Fill Rate). The fringe rate and temporary labor "Fill Rate" are estimates for the 2015-16 budget year and are expected to change annually.</li> <li>- Calculating the total labor dollars to be allocated to each IT shared service schedule by adding up the personnel and staffing costs of each resource allocated to each shared service.</li> <li>- Excluding costs of personnel who will be directly employed by Subscriber in support of a given service.</li> <li>- Assigning direct costs such as software licensing, software vendor maintenance costs, and outsourced/contracted support services to each shared service. For those shared services predominately used by Subscriber, these direct costs are assumed to be directly billed to Subscriber by the vendor and paid by Subscriber and are typically counted as \$0 toward shared costs. In case it is not possible to have Subscriber be directly billed for a vendor charge, the annual shared service billing amount will increase by the pro-rated portion of costs listed as direct costs which cannot be directly billed to Subscriber.</li> <li>- The software and services costs are multiplied by the percentage of the system to be used by Subscriber to arrive at the total shared software and services cost to Subscriber.</li> </ul>
<p>Separation Costs</p>	<p>Separation Costs are anticipated as follows: Transition Costs associated with transferring records of the Services provided to Subscriber's new data/records system.</p>
<p>Cost Type</p>	<p>Shared Service</p>
<p>Frequency of Payment</p>	<p>Monthly</p>
<p>Notice of Termination of Entire Service or Element</p>	<p>Subscriber may terminate this schedule upon 180 days advance written notice to the Provider; and Provider may terminate this schedule upon two years advance written notice to the Subscriber.</p>
<p>Contact for City/DWSD – R</p>	<p>Title: Chief Information Officer</p>
<p>Contact for GLWA</p>	<p>Title: Chief Information Officer</p>
<p>List of Exhibits &amp; Attachments</p>	<p>Exhibit A: Cost Methodology Initial Allocation</p>
<p>Approved for GLWA (w/Date):</p>	<p>Sue McCormick (12/9/2015)</p>
<p>Approved for City/DWSD-R (w/Date):</p>	<p>Gary Brown (12/9/2015)</p>
<p>Effective Date:</p>	<p>January 1, 2016</p>

**EXHIBIT A  
COST METHODOLOGY INITIAL ALLOCATION**

**Service Link**

**Great Lakes Water Authority Staffing**

Position	FTE
There is no direct labor planned to support this shared service	
Applications Analyst	0.4
Database Administrator	0.1
Infrastructure Administrator	0.2
Service Desk Analyst	0.2
Apps Delivery Manager	0.1
Service Desk Manager	0.1
Project Manager	
<b>1.1</b>	<b>\$143,377</b>

Shared Staff 1.1	\$	143,377
Direct City/DWSD-R Staff 0.0	\$	-
<b>Total Staff 1.1</b>	<b>\$</b>	<b><u>143,377</u></b>

**Software and Services**

Software & Services	Cost
Support for Service Link Contract CS-1540 (at 70% of Total)	\$47,952
Third party support for Service Link / WAM / enQuesta integration (.7 HP staff leveraged)	\$209,664
<b>Total Shared Software and Services</b>	<b>\$257,616</b>
<b>Total Annual Support and Maintenance</b>	<b>\$257,616</b>

Shared Software and Services	\$257,616
Direct Software and Services	\$0

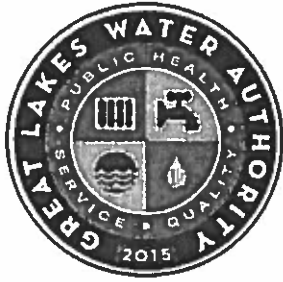
**Total Service Link** **\$400,993**

<b>Total Direct Cost</b>	-
<b>Total Shared Service Cost</b>	<b>\$400,993</b>
<b>Monthly Shared Service Cost</b>	
<b>(Total Shared Services / 12)</b>	<b>\$ 33,416</b>

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## Shared Services Agreement Schedule



### IT: ESRI – Geographic Information System

Shared Service Schedule #	ITS-006
Service Provider	Great Lakes Water Authority
Service Subscriber / Payer	City of Detroit / Detroit Water and Sewerage Department - Retail
Description of Service	ESRI – Geographic Information System (GIS)
Description of Requirements, Level of Service, Hours of Service	<p>Provider shall provide the Subscriber and Provider wholesale customers access to and use of the following software, systems and programs (the "Software and Systems"):</p> <ul style="list-style-type: none"> <li>- ESRI – Geographic Information System Management (application server, database server, software). Used to associate GPS data with assets in both the Provider and Subscriber systems.</li> <li>- Data updates, cleansing and reconciliation.</li> <li>- Interface to City of Detroit ESRI.</li> <li>- Interface to Work Order &amp; Asset Management System(WAM), and future capability with GeoNexus.</li> </ul> <p>Provider shall provide the following services to support the Subscriber's access to and use of the Software and Systems:</p> <ul style="list-style-type: none"> <li>- Creation and modification of data content, including but not limited to structures, layers, and elements.</li> <li>- Data cleansing and reconciliation.</li> <li>- Interfaces to the City of Detroit ESRI, the City of Detroit Fire Department ESRI and the Oracle Work Order and Asset Management (WAM), along with future capability with GeoNexus.</li> </ul> <p>Provider shall:</p> <ul style="list-style-type: none"> <li>- Ensure operation of Software and Systems technology environment.</li> <li>- Ensure that regular O/S patching and application code updates are applied to the Software and Systems to keep the platform secure, up-to-date, and reliable.</li> <li>- Ensure that the environment (application and data) of the Software and Systems is backed-up on a regular basis.</li> <li>- Manage and maintain the database environment for optimal performance of the Software and Systems.</li> <li>- Address Subscriber requests for small configuration changes to the Software and Systems.</li> <li>- Address Subscriber requests for day-to-day data updates to the Software and Systems.</li> </ul>

- Address Subscriber requests for access and authorization changes to the Software and Systems.
- Work with Subscriber to test disaster recovery plans and to test restoration of servers when requested (at least annually).

**Subscriber shall:**

- Provide a technical Point of Contact (with a networking and systems background), for all Provider communications. The Point of Contact will also coordinate activities and requirements gathering with the business SMEs and operational users of ESRI.
- Provide business SMEs Points of Contact that have an understanding of Asset Management, Materials Management, and Maintenance & Repair Operations. These Business SMEs will work through the technical POC for requests.
- Work with Provider to test disaster recovery plans and to test restoration of servers when requested (at least annually).

**Service Level Definitions (with performance metrics):** Provider shall take commercially reasonable steps to ensure that:

- Major planned service outages will be discussed with Subscriber at a minimum of 10 business days prior to the planned service outages and a mutually agreed upon schedule will be implemented for the outages.
- Provider shall provide 48-hour response and best effort resolution on standard requests.
- Provider shall provide 4-hour response and best effort resolution on emergency service requests, including restorations.

**Maintenance Schedules (Scheduled and Critical):**

- Provider will perform scheduled (non-emergency) maintenance between the hours of 6 PM to 6 AM local time. Normal maintenance includes (1) upgrades of hardware and software and (2) upgrades to capacity;
- Provider may perform critical maintenance at any time to correct conditions that require immediate attention. Critical maintenance is performed at the discretion of the Provider and may degrade or disrupt service. All reasonable business efforts will be attempted to notify the Subscriber's designated point of contact as is reasonably practicable under the circumstance.

**Software Access and Change Control:**

- The Parties shall establish a work group, which shall include at least one representative from each party, to oversee a change control process (the "Change Control Process") for the approval of any modifications, alterations, or other changes (each, a "Software Modification") to the Software and Systems and programs described herein (the "Software"). No Software Modification shall be authorized or made to the Software if such modification would impair the effectiveness of the Software used by or for the benefit of the Party that is not requesting the Software Modification.

	<ul style="list-style-type: none"> <li>- Nothing contained in this Schedule shall modify or terminate the rights that a Party enjoys as a licensee (the "Licensed Party") of the Software, provided that the Licensed Party shall comply with the Change Control Process for that Software.</li> <li>- If the Subscribing Party is not the Licensed Party, the Licensed Party shall ensure the non-Licensed Party has the proper level of access to the Software, up to full administrator-level access, necessary for its operations, provided that the non-Licensed Party shall comply with any Change Control Process for that Software.</li> </ul>
Related Services	N/A
Assumptions, Dependencies, and Requirements	<p>Assumptions:</p> <ul style="list-style-type: none"> <li>- The ESRI – Geographic Information System (GIS) supports both Provider and City of Detroit Water and Sewerage Department within one instance. As the ESRI GIS solution stores data for both entities, there will be only one GIS and one interface between ESRI and WAM.</li> <li>- Both Subscriber and Provider resources are used for all upgrades. Upgrades are planned and agreed upon by Subscriber and Provider (IT and Business SMEs).</li> <li>- Provider IT addresses Subscriber requests for medium to large configuration changes, software enhancements, or data cleansing and reconciliation changes with a Statement of Work and associated costs based on detailed requirements from the Subscriber.</li> <li>- Updates are planned during the annual budgeting process. Mid-year changes that cannot be completed within the available allocated Provider IT resources are funded Subscriber, and may additionally require budget approval for the mid-year change.</li> <li>- Subscriber is responsible for the costs of Provider IT staff needed to keep the ESRI GIS system operational. Two application analysts remain with Subscriber to support the application and are paid directly by Subscriber.</li> <li>- Provider owns the software.</li> <li>- Both Provider and Subscriber are responsible for the costs of testing and validation as part of system upgrades.</li> <li>- ESRI/GIS is a required service for location, maintenance and management of Subscriber and Provider assets. Without this service Subscriber and Provider may not be able to provide water distribution and sewerage collection to its customers due to non-functioning assets.</li> <li>- IT Infrastructure Services (e.g networking, servers, storage etc.) required to support this shared service schedule are provided for in the IT Infrastructure shared service schedule, ITS-009.</li> </ul> <p>Requirements:</p> <p>Operating System: Red Hat Linux  Database: Oracle 11i  Application Server: Java</p>
Space/Location	<ul style="list-style-type: none"> <li>• 735 Randolph, Detroit, MI 48226</li> <li>• 6425 Huber, Detroit, MI 48211</li> </ul>
Staffing	<p>Existing Contractual Services:</p> <ul style="list-style-type: none"> <li>▪ Metco Data Cleansing for Collection (Waste Water)</li> </ul>

	<p><b>Dedicated Provider Staff:</b></p> <ul style="list-style-type: none"> <li>- 1.0 GIS Analyst II</li> <li>- 1.0 GIS Analyst III</li> </ul> <p><b>Leveraged Provider Staff:</b></p> <ul style="list-style-type: none"> <li>- 0.1 Database Administrator</li> <li>- 0.4 Infrastructure Administrator</li> <li>- 0.8 GIS Analyst</li> <li>- 0.2 Service Desk Analyst</li> <li>- 0.2 Applications Delivery Manager - Enterprise</li> </ul> <p><b>Total Staff: 1.7 FTE</b></p>
<p><b>Duration (phasing), extensions</b></p>	<p>This term shall expire on June 30, 2021.  The term may be extended by mutual agreement of the Parties for additional one-year terms pursuant to Section 2.3 of the Agreement.</p>
<p><b>Cost Methodology</b></p>	<p><b>Cost assumptions: 60% of the software and services costs to support ESRI will be allocated to Subscriber.</b></p> <p><b>Costs have been determined by:</b></p> <ul style="list-style-type: none"> <li>- Allocating each of the Provider ITS personnel across the various IT shared service schedules or to other tasks which are 100% Provider.</li> <li>- Determining the rate for each employee, which equals their budgeted salary plus 50% to cover fringes. For temporary labor, the rate paid to the contractor is multiplied by 80% to determine the equivalent cost of an equivalent employee (Fill Rate). The fringe rate and temporary labor "Fill Rate" are estimates for the 2015-16 budget year and are expected to change annually.</li> <li>- Calculating the total labor dollars to be allocated to each IT shared service schedule by adding up the personnel and staffing costs of each resource allocated to each shared service.</li> <li>- Excluding costs of personnel who will be directly employed by Subscriber in support of a given service.</li> <li>- Assigning direct costs such as software licensing, software vendor maintenance costs, and outsourced/contracted support services to each shared service. For those shared services predominately used by Subscriber, these direct costs are assumed to be directly billed to Subscriber by the vendor and paid by Subscriber and are typically counted as \$0 toward shared costs. In case it is not possible to have Subscriber be directly billed for a vendor charge, the annual shared service billing amount will increase by the pro-rated portion of costs listed as direct costs which cannot be directly billed to Subscriber.</li> <li>- The software and services costs are multiplied by the percentage of the system to be used by Subscriber to arrive at the total shared software and services cost to Subscriber.</li> </ul>
<p><b>Separation Costs</b></p>	<p>Separation Costs are anticipated as follows:</p>

	Transition Costs associated with transferring records of the Services provided to Subscriber's new data/records system.
Cost Type	Shared Service
Frequency of Payment	Monthly
Notice of Termination of Entire Service or Element	Subscriber may terminate this schedule upon 180 days advance written notice to the Provider; and Provider may terminate this schedule upon two years advance written notice to the Subscriber.
Contact for City/DWSD – R	Title: Chief Information Officer - Detroit
Contact for GLWA	Title: Chief Information Officer
List of Exhibits & Attachments	Exhibit A: Cost Methodology Initial Allocation
Approved for GLWA (w/Date):	Sue McCormick (12/9/2015)
Approved for DWSD-R (w/Date):	Gary Brown (12/9/2015)
Effective Date:	January 1, 2016

**EXHIBIT A  
COST METHODOLOGY INITIAL ALLOCATION**

**ESRI**

**Great Lakes Water Authority Staffing**

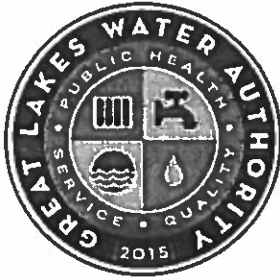
Position	FTE
2 Application Analysts are planned to remain with DWSD-R to support the AMR Technology Suite	
Applications Analyst	2.8
Database Administrator	0.1
Infrastructure Administrator	0.4
Service Desk Analyst	
Apps Delivery Manager	0.2
Service Desk Manager	
Project Manager	
	<b>3.5</b>

Shared Staff 1.5	\$	238,222
Direct DWSD-R Staff 2.0	\$	<u>261,856</u>
Total 3.5	\$	<u>500,078</u>

**Software and Services**

Software & Services	Cost
ESRI Software Maint (at 60% of total)	\$40,200
GeoNexus Maint (at 60% of total)	\$52,200
<b>Shared Software</b>	<b>\$92,400</b>
<b>Direct Software</b>	<b>\$0</b>
Metco Services - Sewer Mapping (at 100%)	\$360,000
<b>Shared Services</b>	<b>\$360,000</b>
<b>Direct Services</b>	<b>\$0</b>
<b>Total Annual Support and Maintenance</b>	<b>\$452,400</b>

Shared Software and Services	\$452,400
Direct Software and Services	\$0
<b>Total ESRI</b>	<b><u>\$952,478</u></b>
<b>Total Direct Cost</b>	<b>261,856</b>
<b>Total Shared Service Cost</b>	<b>\$690,622</b>
<b>Monthly Shared Service Cost</b>	
(Total Shared Services / 12)	\$ 57,552



**Shared Services Agreement  
Schedule**



**IT: DADS – Departmental Administrative Data  
Systems Suite**

Shared Service Schedule #	ITS-007
Service Provider	Great Lakes Water Authority
Service Subscriber / Payer	City of Detroit / Detroit Water and Sewerage Department - Retail
Description of Service	<p>DADS – Departmental Administrative Data Systems Suite          The DADS applications are stand-alone departmental applications used for the storage, retrieval, and reporting of data to support management decision making.</p>
Description of Requirements, Level of Service, Hours of Service	<p>Provider shall provide the Subscriber access to and use of the following software, systems and programs (the “Software and Systems”):</p> <ul style="list-style-type: none"> <li>- Capital Improvement Program CIP Management System (CIPMS)</li> <li>- Contracts &amp; Grants Information System (CGIS)</li> <li>- Crew Scheduling</li> <li>- Customer Service KPI</li> <li>- Financial Services Information System (FSIS)</li> <li>- Identity Management</li> <li>- Labor Distribution System</li> <li>- Operations Reporting System (ORS)</li> <li>- Scale House Truck Weighing Operations</li> <li>- Security Information System (SIS)</li> <li>- Waste Quality Programs – Customer Complaint System</li> <li>- Waste Quality Programs – Distribution Bracketing</li> <li>- Waste Quality Programs – Contractors Application</li> <li>- WWTP Overtime Management</li> </ul> <p>Provider shall:</p> <ul style="list-style-type: none"> <li>- Ensure operation of the Software and Systems technology environment.</li> <li>- Ensure that regular O/S patching and application code updates are applied to the Software and Systems to keep the platform secure, up-to-date, and reliable.</li> <li>- Ensure that the environment (application and data) of the Software and Systems is backed-up on a regular basis.</li> <li>- Manage and maintain the database environment for optimal performance of the Software and Systems.</li> <li>- Address Subscriber requests for small configuration changes to the Software and Systems.</li> <li>- Address Subscriber requests for day-to-day data updates to the Software and Systems.</li> <li>- Address Subscriber requests for access and authorization changes to the Software and Systems.</li> </ul>

- Work with Subscriber to test disaster recovery plans and to test restoration of servers when requested (at least annually).

**Subscriber shall:**

- Provide a technical Point of Contact (with a networking and systems background), for all Provider Communications. The Point of Contact will also coordinate activities and requirements gathering with the business staff.
- Work with provider to test disaster recovery plans and to test restoration of servers when requested (at least annually).

**Service Level Definitions (with performance metrics):** Provider shall take commercially reasonable steps to ensure that:

- Major planned service outages will be discussed with Subscriber at a minimum of 10 business days prior to the planned service outages, and a mutually agreed upon schedule for the outages will be implemented.
- Provider shall provide 48-hour response and best effort resolution on standard requests.
- Provider shall provide 4-hour response and best effort resolution on emergency service requests, including restorations.

**Maintenance Schedules (Scheduled & Critical):**

- Provider will perform scheduled (non-emergency) maintenance between the hours of 6 PM to 6 AM local time. Normal maintenance includes (1) upgrades of hardware and software and (2) upgrades to capacity;
- Provider may perform critical maintenance at any time to correct conditions that require immediate attention. Critical maintenance is performed at the discretion of the Provider and may degrade or disrupt service. All reasonable business efforts will be attempted to notify the Subscriber's designated point of contact as is reasonably practicable under the circumstance.

**Software Access and Change Control:**

- The Parties shall establish a work group, which shall include at least one representative from each party, to oversee a change control process (the "Change Control Process") for the approval of any modifications, alterations, or other changes (each, a "Software Modification") to the Software and Systems and programs described herein (the "Software"). No Software Modification shall be authorized or made to the Software if such modification would impair the effectiveness of the Software used by or for the benefit of the Party that is not requesting the Software Modification.
- Nothing contained in this Schedule shall modify or terminate the rights that a Party enjoys as a licensee (the "Licensed Party") of the Software, provided that the Licensed Party shall comply with the Change Control Process for that Software.
- If the Subscribing Party is not the Licensed Party, the Licensed Party shall ensure the non-Licensed Party has the proper level of access to the Software, up to full administrator-level access, necessary for its

	operations, provided that the non-Licensed Party shall comply with any Change Control Process for that Software.
Related Services	N/A
Assumptions, Dependencies, and Requirements	<p>Assumptions:</p> <ul style="list-style-type: none"> <li>- Both Subscriber and Provider resources are used for all upgrades. Upgrades are planned and agreed upon by Subscriber and Provider (IT and business subject matter experts).</li> <li>- GLWA IT addresses Subscriber requests for medium to large configuration changes or software enhancements with a Statement of Work and associated costs based on detailed requirements from the Subscriber.</li> <li>- Updates are planned during the annual budgeting process. Mid-year changes that cannot be completed within the available allocated Provider IT resources are funded by Subscriber, and may additionally require budget approval for the mid-year change.</li> <li>- Both Provider and Subscriber are responsible for the costs of testing and validation as part of system upgrades.</li> <li>- None of the DADS applications listed are required to support critical processes for water distribution and sewerage collection.</li> <li>- IT Infrastructure Services (e.g networking, servers, storage etc.) required to support this shared service schedule are provided for in the IT Infrastructure shared service schedule, ITS-009.</li> </ul> <p>Requirements:  Operating System: Red Hat Linux  Database: Oracle 11i  Application Server: Java</p>
Space/Location	<ul style="list-style-type: none"> <li>• 735 Randolph, Detroit, MI 48226</li> <li>• 6425 Huber, Detroit, MI 48211</li> </ul>
Staffing	<p>Existing Contractual Services:</p> <ul style="list-style-type: none"> <li>- Not applicable</li> </ul> <p>Leveraged Provider Staff:</p> <ul style="list-style-type: none"> <li>- 0.1 Database Administrator</li> <li>- 0.2 Infrastructure Administrator</li> <li>- 0.5 Applications Analyst</li> <li>- 0.2 Service Desk Analyst</li> <li>- 0.1 Applications Delivery Manager - Line of Business</li> </ul> <p>Total Staff: 1.1 FTE</p>
Duration (phasing), extensions	<p>This term shall expire on June 30, 2021.  The term may be extended by mutual agreement of the Parties for additional one-year terms pursuant to Section 2.3 of the Agreement.</p>

<p>Cost Methodology</p>	<p>Cost assumptions: All of the costs for DADS are fractional GLWA IT personnel rather than software and services and no percentage allocation of the software and services is needed for this schedule.</p> <p>Costs have been determined by:</p> <ul style="list-style-type: none"> <li>- Allocating each of the Provider ITS personnel across the various IT shared service schedules or to other tasks which are 100% Provider.</li> <li>- Determining the rate for each employee, which equals their budgeted salary plus 50% to cover fringes. For temporary labor, the rate paid to the contractor is multiplied by 80% to determine the equivalent cost of an equivalent employee (Fill Rate). The fringe rate and temporary labor "Fill Rate" are estimates for the 2015-16 budget year and are expected to change annually.</li> <li>- Calculating the total labor dollars to be allocated to each IT shared service schedule by adding up the personnel and staffing costs of each resource allocated to each shared service.</li> <li>- Excluding costs of personnel who will be directly employed by Subscriber in support of a given service.</li> <li>- Assigning direct costs such as software licensing, software vendor maintenance costs, and outsourced/contracted support services to each shared service. For those shared services predominately used by Subscriber, these direct costs are assumed to be directly billed to Subscriber by the vendor and paid by Subscriber and are typically counted as \$0 toward shared costs. In case it is not possible to have Subscriber be directly billed for a vendor charge, the annual shared service billing amount will increase by the pro-rated portion of costs listed as direct costs which cannot be directly billed to Subscriber.</li> <li>- The software and services costs are multiplied by the percentage of the system to be used by Subscriber to arrive at the total shared software and services cost to Subscriber.</li> </ul>
<p>Separation Costs</p>	<p>Separation Costs are anticipated as follows: Transition Costs associated with transferring records of the Services provided to Subscriber's new data/records system.</p>
<p>Cost Type</p>	<p>Shared Service</p>
<p>Frequency of Payment</p>	<p>Monthly</p>
<p>Notice of Termination of Entire Service or Element</p>	<p>Subscriber may terminate this schedule upon 180 days advance written notice to the Provider; and Provider may terminate this schedule upon two years advance written notice to the Subscriber.</p>
<p>Contact for City/DWSD – R</p>	<p>Title: Chief Information Officer</p>
<p>Contact for GLWA</p>	<p>Title: Chief Information Officer</p>
<p>List of Exhibits &amp; Attachments</p>	<p>Exhibit A: Cost Methodology Initial Allocation</p>
<p>Approved for GLWA (w/Date):</p>	<p>Sue McCormick (12/9/2015)</p>
<p>Approved for City/DWSD-R (w/Date):</p>	<p>Gary Brown (12/9/2015)</p>
<p>Effective Date:</p>	<p>January 1, 2016</p>

**EXHIBIT A  
COST METHODOLOGY INITIAL ALLOCATION**

**DADS**

**Great Lakes Water Authority Staffing**

Position	FTE
There is no direct labor planned to support this shared service	
Applications Analyst	0.5
Database Administrator	0.1
Infrastructure Administrator	0.2
Service Desk Analyst	0.2
Apps Delivery Manager	0.1
Service Desk Manager	
Project Manager	
<b>1.1</b>	<b>\$137,129</b>

Shared Staff 1.1	\$	137,129
Direct DWSD-R Staff 0.0	\$	-
<b>Total Staff 1.1</b>	<b>\$</b>	<b><u>137,129</u></b>

**Software and Services**

Software & Services	Cost
<b>Total Annual Support and Maintenance</b>	<b>\$0</b>

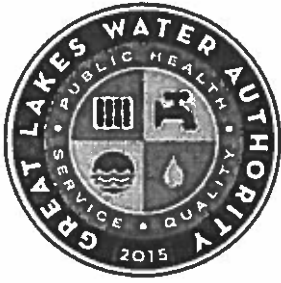
Shared Software and Services	\$0
Direct Software and Services	\$0
<b>Total DADS</b>	<b><u>\$137,129</u></b>
<b>Total Direct Cost</b>	<b>-</b>
<b>Total Shared Service Cost</b>	<b>\$137,129</b>
<b>Monthly Shared Service Cost</b>	
<b>(Total Shared Services / 12)</b>	<b>\$ 11,427</b>

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## Shared Services Agreement Schedule



### IT: Tibco Enterprise Integration Services

Shared Service Schedule #	ITS-008
Service Provider	Great Lakes Water Authority
Service Subscriber / Payer	City of Detroit / Detroit Water and Sewerage Department - Retail
Description of Service	<p><b>Tibco Enterprise Integration Services</b>  Tibco Enterprise Integration Services is a collection of software that provides system monitoring, automated data interfaces between systems, and automated business workflows.</p>
Description of Requirements, Level of Service, Hours of Service	<p>Provider shall provide the Subscriber access to and use of the following software, systems and programs (the "Software and Systems"):</p> <ul style="list-style-type: none"> <li>- Administrator (TIBCO), Enterprise Messaging System (TIBCO), Hawk (Tibco) and, BusinessWorks (TIBCO)</li> <li>- These Tibco applications are the systems that together make up the Tibco environment.</li> </ul> <p>Provider shall:</p> <ul style="list-style-type: none"> <li>- Ensure operation of the Software and Systems technology environment.</li> <li>- Ensure that regular application patching and application code updates are applied to the Software and Systems to keep the platform secure, up-to-date, and reliable.</li> <li>- Ensure that the environment (application and data) of the Software and Systems is backed-up on a regular basis.</li> <li>- Manage and maintain the database environment for optimal performance of the Software and Systems.</li> <li>- Address Subscriber requests for small configuration changes to the Software and Systems.</li> <li>- Address Subscriber requests for day-to-day data updates to the Software and Systems.</li> <li>- Address Subscriber requests for access and authorization changes to the Software and Systems.</li> <li>- Work with Subscriber to test disaster recovery plans and to test restoration of servers when requested (at least annually).</li> </ul> <p>Subscriber shall:</p> <ul style="list-style-type: none"> <li>- Provide a technical Point of Contact (with networking and systems background), for all Provider Communications. The Point of Contact will also coordinate activities and requirements gathering with the business staff.</li> <li>- Work with Provider to test disaster recovery plans and to test restoration of servers when requested (at least annually).</li> </ul>

	<p><b>Service Level Definitions (with performance metrics):</b> Provider shall take commercially reasonable steps to ensure that:</p> <ul style="list-style-type: none"> <li>- Major planned service outages will be discussed with Subscriber at a minimum of 10 business days prior to the planned service outages and a mutually agreed upon schedule for the outages will be implemented.</li> <li>- Provider shall provide 48-hour response and best effort resolution on standard requests.</li> <li>- Provider shall provide 4-hour response and best effort resolution on emergency service requests, including restorations.</li> </ul> <p><b>Maintenance Schedules (Scheduled &amp; Critical):</b></p> <ul style="list-style-type: none"> <li>- Provider will perform scheduled (non-emergency) maintenance between the hours of 6 PM to 6 AM local time. Normal maintenance includes (1) upgrades of hardware and software and (2) upgrades to capacity;</li> <li>- Provider may perform critical maintenance at any time to correct conditions that require immediate attention. Critical maintenance is performed at the discretion of the Provider and may degrade or disrupt service. All reasonable business efforts will be attempted to notify the Subscriber’s designated point of contact as is reasonably practicable under the circumstance.</li> </ul> <p><b>Software Access and Change Control:</b></p> <ul style="list-style-type: none"> <li>- The Parties shall establish a work group, which shall include at least one representative from each party, to oversee a change control process (the “Change Control Process”) for the approval of any modifications, alterations, or other changes (each, a “Software Modification”) to the Software and Systems and programs described herein (the “Software”). No Software Modification shall be authorized or made to the Software if such modification would impair the effectiveness of the Software used by or for the benefit of the Party that is not requesting the Software Modification.</li> <li>- Nothing contained in this Schedule shall modify or terminate the rights that a Party enjoys as a licensee (the “Licensed Party”) of the Software, provided that the Licensed Party shall comply with the Change Control Process for that Software.</li> <li>- If the Subscribing Party is not the Licensed Party, the Licensed Party shall ensure the non-Licensed Party has the proper level of access to the Software, up to full administrator-level access, necessary for its operations, provided that the non-Licensed Party shall comply with any Change Control Process for that Software.</li> </ul>
<p><b>Related Services</b></p>	<p>N/A</p>
<p><b>Assumptions, Dependencies, and Requirements</b></p>	<p><b>Assumptions:</b></p> <ul style="list-style-type: none"> <li>- Most of Subscribers’s shared applications depend on the Software and Systems’ performance.</li> <li>- Both Subscriber and Provider resources are used for all upgrades. Upgrades are planned and agreed upon by Subscriber and Provider (IT and business subject matter experts).</li> </ul>

	<ul style="list-style-type: none"> <li>- Outside of previously described supported systems, Provider IT addresses Subscriber requests for new systems integrations or software enhancements with a Statement of Work and associated costs based on detailed requirements from the Subscriber.</li> <li>- Updates are planned during the annual budgeting process. Mid-year changes that cannot be completed within the available allocated Provider IT resources are funded by Subscriber, and may additionally require budget approval for the mid-year change.</li> <li>- Both Provider and Subscriber are responsible for the costs of testing and validation as part of system upgrades.</li> <li>- IT Infrastructure Services required to support this shared service schedule are provided for in the IT Infrastructure shared service schedule, ITS-009.</li> </ul> <p>Requirements:  Operating System: Red Hat Linux  Database: Oracle 11i  Application Server: Java</p>
Space/Location	<ul style="list-style-type: none"> <li>• 735 Randolph, Detroit, MI 48226</li> <li>• 6425 Huber, Detroit, MI 48211</li> </ul>
Staffing	<p>Existing Contractual Services:</p> <ul style="list-style-type: none"> <li>- Not applicable</li> </ul> <p>Leveraged Provider Staff:</p> <ul style="list-style-type: none"> <li>- 0.1 Database Administrator</li> <li>- 0.1 Infrastructure Administrator</li> <li>- 0.2 Applications Analyst</li> </ul> <p>Total Staff: 0.4 FTE</p>
Duration (phasing), extensions	<p>This term shall expire on June 30, 2021.  The term may be extended by mutual agreement of the Parties for additional one-year terms pursuant to Section 2.3 of the Agreement.</p>
Cost Methodology	<p>Cost assumptions: 40% of the software and services costs to support Tibco will be allocated to Subscriber.</p> <p>Costs have been determined by:</p> <ul style="list-style-type: none"> <li>- Allocating each of the Provider ITS personnel across the various IT shared service schedules or to other tasks which are 100% Provider.</li> <li>- Determining the rate for each employee, which equals their budgeted salary plus 50% to cover fringes. For temporary labor, the rate paid to the contractor is multiplied by 80% to determine the equivalent cost of an equivalent employee (Fill Rate). The fringe rate and temporary labor "Fill Rate" are estimates for the 2015-16 budget year and are expected to change annually.</li> <li>- Calculating the total labor dollars to be allocated to each IT shared service schedule by adding up the personnel and staffing costs of each resource allocated to each shared service.</li> <li>- Excluding costs of personnel who will be directly employed by Subscriber in support of a given service.</li> </ul>

	<ul style="list-style-type: none"> <li>- Assigning direct costs such as software licensing, software vendor maintenance costs, and outsourced/contracted support services to each shared service. For those shared services predominately used by Subscriber, these direct costs are assumed to be directly billed to Subscriber by the vendor and paid by Subscriber and are typically counted as \$0 toward shared costs. In case it is not possible to have Subscriber be directly billed for a vendor charge, the annual shared service billing amount will increase by the pro-rated portion of costs listed as direct costs which cannot be directly billed to Subscriber.</li> <li>- The software and services costs are multiplied by the percentage of the system to be used by Subscriber to arrive at the total shared software and services cost to Subscriber.</li> </ul>
Separation Costs	Separation Costs are anticipated as follows: Transition Costs associated with transferring records of the Services provided to Subscriber's new data/records system.
Cost Type	Shared Service
Frequency of Payment	Monthly
Notice of Termination of Entire Service or Element	Subscriber may terminate this schedule upon 180 days advance written notice to the Provider; and Provider may terminate this schedule upon two years advance written notice to the Subscriber.
Contact for City/DWSD – R	Title: Chief Information Officer
Contact for GLWA	Title: Chief Information Officer
List of Exhibits & Attachments	Exhibit A: Cost Methodology Initial Allocation
Approved for GLWA (w/Date):	Sue McCormick (12/9/2015)
Approved for City/DWSD-R (w/Date):	Gary Brown (12/9/2015)
Effective Date:	January 1, 2016

**EXHIBIT A  
COST METHODOLOGY INITIAL ALLOCATION**

**Tibco  
Great Lakes Water Authority Staffing**

Position	FTE
There is no direct labor planned to support this shared service	
Applications Analyst	0.2
Database Administrator	0.1
Infrastructure Administrator	0.1
Service Desk Analyst	
Apps Delivery Manager	
Service Desk Manager	
Project Manager	
<b>0.4</b>	<b>\$40,528</b>

Shared Staff 0.4	\$	40,528
Direct DWSD-R Staff 0.0	\$	-
<b>Total Staff 0.4</b>	<b>\$</b>	<b><u>40,528</u></b>

**Software and Services**

Software & Services	Cost
Software Support (at 40% of Total)	\$78,800
<b>Total Shared Software and Services</b>	<b>\$78,800</b>
<b>Total Annual Support and Maintenance</b>	<b>\$78,800</b>

Shared Software and Services	\$78,800
Direct Software and Services	\$0
<b>Total Tibco</b>	<b><u>\$119,328</u></b>
<b>Total Direct Cost</b>	<b>-</b>
<b>Total Shared Service Cost</b>	<b>\$119,328</b>
<b>Monthly Shared Service Cost</b>	
<b>(Total Shared Services / 12)</b>	<b>\$ 9,944</b>

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## Shared Services Agreement Schedule



### IT: Infrastructure

Shared Service Schedule #	ITS-009
Service Provider	Great Lakes Water Authority
Service Subscriber / Payer	City of Detroit / Detroit Water and Sewerage Department - Retail
Description of Service	IT Infrastructure
Description of Requirements, Level of Service, Hours of Service	<p>Provider shall provide the Subscriber the following services:</p> <ul style="list-style-type: none"> <li>- Datacenter usage and support</li> <li>- VMWare usage and support</li> <li>- Server usage and support</li> <li>- Storage usage and support</li> <li>- Network usage and support</li> <li>- Internet usage and support</li> <li>- Desktop usage and support (including transition email services)</li> <li>- Printer usage and support</li> <li>- Disaster recovery services</li> <li>- Phone services and support</li> <li>- Mobile phone support (services are paid by each department)</li> <li>- Administrative support</li> </ul> <p>Provider shall:</p> <ul style="list-style-type: none"> <li>- Ensure operation of the technology environment.</li> <li>- Ensure that regular O/S patching and application code updates are applied to keep platforms secure, up-to-date, and reliable.</li> <li>- Ensure that the applications environment (application and data) is backed-up on a regular basis.</li> <li>- Manage and maintain the database environments for optimal performance.</li> <li>- Address subscriber requests for small configuration changes.</li> <li>- Address subscriber requests for day-to-day data updates.</li> <li>- Address subscriber requests for access and authorization changes.</li> <li>- Work with Subscriber to test disaster recovery plans and to test restoration of servers when requested (at least annually).</li> </ul> <p>Subscriber shall:</p> <ul style="list-style-type: none"> <li>- Provide a technical Point of Contact (with a networking and systems background), for all Provider communications. The Point of Contact will also coordinate activities and requirements gathering with the business staff.</li> <li>- Work with Provider to test disaster recovery plans and to test restoration of servers when requested (at least annually).</li> </ul>

	<p><b>Service Level Definitions (with performance metrics):</b> Provider shall take commercially reasonable steps to ensure that:</p> <ul style="list-style-type: none"> <li>- Major planned service outages will be discussed with Subscriber at a minimum of 10 business days prior to the planned service outages and a mutually agreed upon schedule for the outages will be implemented.</li> <li>- Provider shall provide 48-hour response and best effort resolution on standard requests.</li> <li>- Provider shall provide 4-hour response and best effort resolution on emergency service requests, including restorations.</li> </ul> <p><b>Maintenance Schedules (Scheduled &amp; Critical):</b></p> <ul style="list-style-type: none"> <li>- Provider will perform scheduled (non-emergency) maintenance between the hours of 6 PM to 6 AM local time. Normal maintenance includes (1) upgrades of hardware and software and (2) upgrades to capacity;</li> <li>- Provider may perform critical maintenance at any time to correct conditions that require immediate attention. Critical maintenance is performed at the discretion of the Provider and may degrade or disrupt service. All reasonable business efforts will be attempted to notify the Subscriber's designated point of contact as is reasonably practicable under the circumstance.</li> </ul> <p><b>Software Access and Change Control:</b></p> <ul style="list-style-type: none"> <li>- The Parties shall establish a work group, which shall include at least one representative from each party, to oversee a change control process (the "Change Control Process") for the approval of any modifications, alterations, or other changes (each, a "Software Modification") to the Software and Systems and programs described herein (the "Software"). No Software Modification shall be authorized or made to the Software if such modification would impair the effectiveness of the Software used by or for the benefit of the Party that is not requesting the Software Modification.</li> <li>- Nothing contained in this Schedule shall modify or terminate the rights that a Party enjoys as a licensee (the "Licensed Party") of the Software, provided that the Licensed Party shall comply with the Change Control Process for that Software.</li> <li>- If the Subscribing Party is not the Licensed Party, the Licensed Party shall ensure the non-Licensed Party has the proper level of access to the Software, up to full administrator-level access, necessary for its operations, provided that the non-Licensed Party shall comply with any Change Control Process for that Software.</li> </ul>
<p><b>Related Services</b></p>	<p>N/A</p>
<p><b>Assumptions, Dependencies, and Requirements</b></p>	<p><b>Assumptions:</b></p> <ul style="list-style-type: none"> <li>- Both Subscriber and Provider resources are used for all upgrades. Upgrades are planned and agreed upon by Subscriber and Provider (IT and business subject matter experts).</li> </ul>

	<ul style="list-style-type: none"> <li>- Provider IT addresses Subscriber requests for medium to large configuration changes or software enhancements with a Statement of Work and associated costs based on detailed requirements from the Subscriber.</li> <li>- Updates are planned during the annual budgeting process. Mid-year changes that cannot be completed within the available allocated Provider IT resources are funded by Subscriber, and may additionally require budget approval for the mid-year change.</li> <li>- Both Provider and Subscriber are responsible for the costs of testing and validation as part of system upgrades.</li> </ul>
Space/Location	<ul style="list-style-type: none"> <li>• 735 Randolph, Detroit, MI 48226</li> <li>• 6425 Huber, Detroit, MI 48211</li> </ul>
Staffing	<p>Existing Contractual Services:</p> <ul style="list-style-type: none"> <li>- Not applicable</li> </ul> <p>Leveraged Provider Staff:</p> <ul style="list-style-type: none"> <li>- 0.1 Database Administrator</li> <li>- 3.0 Infrastructure Administrator</li> <li>- 0.3 Applications Analyst</li> <li>- 1.7 Service Desk Analyst</li> <li>- 0.1 IT Director</li> <li>- 0.1 Infrastructure Manager</li> <li>- 0.1 Security Manager</li> <li>- 0.3 Service Desk Manager</li> <li>- 0.1 Administration Manager</li> <li>- 0.3 Project Manager</li> <li>- 0.6 Office Administration</li> </ul> <p>Total Staff: 6.9 FTE</p>
Duration (phasing), extensions	<p>This term shall expire on June 30, 2021.</p> <p>The term may be extended by mutual agreement of the Parties for additional one-year terms pursuant to Section 2.3 of the Agreement.</p>
Cost Methodology	<p>Cost assumptions: 30% of the software and services costs to support IT Infrastructure will be allocated to Subscriber except for the AT&amp;T costs which will be allocated at 20%.</p> <p>Costs have been determined by:</p> <ul style="list-style-type: none"> <li>- Allocating each of the Provider ITS personnel across the various IT shared service schedules or to other tasks which are 100% Provider.</li> <li>- Determining the rate for each employee, which equals their budgeted salary plus 50% to cover fringes. For temporary labor, the rate paid to the contractor is multiplied by 80% to determine the equivalent cost of an equivalent employee (Fill Rate). The fringe rate and temporary labor "Fill Rate" are estimates for the 2015-16 budget year and are expected to change annually.</li> </ul>

	<ul style="list-style-type: none"> <li>- Calculating the total labor dollars to be allocated to each IT shared service schedule by adding up the personnel and staffing costs of each resource allocated to each shared service.</li> <li>- Excluding costs of personnel who will be directly employed by Subscriber in support of a given service.</li> <li>- Assigning direct costs such as software licensing, software vendor maintenance costs, and outsourced/contracted support services to each shared service. For those shared services predominately used by Subscriber, these direct costs are assumed to be directly billed to Subscriber by the vendor and paid by Subscriber and are typically counted as \$0 toward shared costs. In case it is not possible to have Subscriber be directly billed for a vendor charge, the annual shared service billing amount will increase by the pro-rated portion of costs listed as direct costs which cannot be directly billed to Subscriber.</li> <li>- The software and services costs are multiplied by the percentage of the system to be used by Subscriber to arrive at the total shared software and services cost to Subscriber.</li> </ul>
Separation Costs	Separation Costs are anticipated as follows: Transition Costs associated with transferring records of the Services provided to Subscriber's new data/records system.
Cost Type	Shared Service
Frequency of Payment	Monthly
Notice of Termination of Entire Service or Element	The Schedule is not terminable prior to 12/30/2017, after which date the Provider may terminate all or part of this schedule upon 360 days advance written notice to the Subscriber; and the Subscriber may terminate all or part of this schedule upon 180 days advance written notice to the Provider.
Contact for City/DWSD – R	Title: Chief Information Officer
Contact for GLWA	Title: Chief Information Officer
List of Exhibits & Attachments	Exhibit A: Cost Methodology Initial Allocation
Approved for GLWA (w/Date):	Sue McCormick (12/9/2015)
Approved for City/DWSD-R (w/Date):	Gary Brown (12/9/2015)
Effective Date:	January 1, 2016

**EXHIBIT A  
COST METHODOLOGY INITIAL ALLOCATION**

**Infrastructure  
Great Lakes Water Authority Staffing**

Position	FTE
There is no direct labor planned to support this shared service	
Applications Analyst	0.3
Database Administrator	0.1
Infrastructure Administrator	3
Service Desk Analyst	1.7
IT Director	0.1
Infrastructure Manager	0.3
Security and Risk Manager	0.1
Service Desk Manager	0.3
Administration Manager	0.1
Project Manager	0.3
Office Administration	0.6
<b>6.9</b>	<b>785,230.25</b>

Shared Staff 3.5	\$ 785,230
Direct DWSD-R Staff 0.0	\$ -
<b>Total Staff 3.5</b>	<b>\$ <u>785,230</u></b>

**Software and Services**

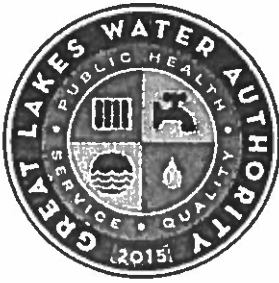
Software & Services	Cost
Microsoft EA / Office365 (at 30% of total)	\$44,700
Symantac Endpoint (at 30% of total)	\$32,700
KACE Appliance (at 30% of total)	\$50,797
Disaster Recovery (at 30% of total)	\$450,000
AT&T Agreement (at 20% of total)	\$1,300,000
<b>Total Shared Software and Services</b>	<b>\$1,878,197</b>
<b>Total Annual Support and Maintenance</b>	<b>\$1,878,197</b>

Shared Software and Services	\$1,878,197
Direct Software and Services	\$0
<b>Total Infrastructure</b>	<b><u>\$2,663,427</u></b>
<b>Total Direct Cost</b>	<b>-</b>
<b>Total Shared Service Cost</b>	<b>\$2,663,427</b>
<b>Monthly Shared Service Cost</b>	
<b>(Total Shared Services / 12)</b>	<b>\$ 221,952</b>

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**Shared Services Agreement  
Schedule**



**DoIT: Financial Information System**

Shared Service Schedule #	DoIT-001
Service Provider	City of Detroit / Detroit Water and Sewerage Department - Retail
Service Subscriber	Great Lakes Water Authority
Description of Service	Financial Information System
Description of Requirements, Level of Service, Hours of Service	<p>The Provider shall provide the Subscriber access to and use of the following software, systems and programs (the "Software and Systems"):</p> <ul style="list-style-type: none"> <li>- Oracle E-Business Suite (DRMS) Commonly referred to as "dreams" or DRMS (Detroit Resource Management System), Oracle E-Business Suite is a Financial accounting and reporting system owned by the city and used by GLWA for Finance, Accounting and Procurement Functions. DRMS is expected to be replaced by a cloud based Oracle product in 2016.</li> <li>- BRASS Budget BRASS is the City's budget software.</li> <li>- GL Wand GL Wand is software used to view General Ledger information in DRMS.</li> <li>- BidSync Cloud based end to end solution for eProcurement.</li> <li>- eCivis Grant management software.</li> <li>- Noetix Reporting Business intelligence software.</li> </ul> <p>Provider shall provide the following services to support the Subscriber's access to and use of the Software and Systems:</p> <ul style="list-style-type: none"> <li>- Provide reasonable staff support for the efficient access and use of the Software and Systems by Subscriber.</li> <li>- Use of Provider's server (AIX) to store Subscriber's data from the Software and Systems.</li> <li>- Backup and recovery, if necessary, of Subscriber's data on stored on the Software and Systems.</li> </ul> <p>Provider shall:</p> <ul style="list-style-type: none"> <li>- Ensure operation of finance systems technology environment.</li> <li>- Ensure that regular patching and code updates are applied to keep the platform secure and reliable.</li> <li>- Accept manual and automatic interfaces (i.e. PPS, enQuesta, WAM, TBD GLWA HRIS) from external Subscriber systems into Provider's</li> </ul>

financial information system - including general ledger entries, requisitions and invoices.

- Work with Subscriber to test disaster recovery plans and to test restoration of servers when requested.
- Provide functional and technical help desk services.\*\*
- Ensure regular back up of financial systems occur.

\*\* Note: Functional support is limited to DoIT staff, services provided by OCFO staff are not included in this Schedule.

Subscriber shall:

- Provide a technical Point of Contact (with networking and financial information systems background) for all Provider Communications.
- Work with Provider to test disaster recovery plans and to test restoration of servers when requested (at least annually).

Service Level Definitions (with performance metrics): Provider shall take commercially reasonable steps to ensure that:

- Service outages that fall within the scheduled maintenance window are communicated a minimum of 5 business days prior to the planned outage.
- Major planned service outages, scheduled outside of the scheduled window, are discussed with Subscriber at a minimum 10 business days prior planned service outages and a mutually agreed upon schedule will be implemented.
- Provider provides a 48-hour response and best effort resolution on standard service requests.
- Provider provides a 4-hour response and best effort resolution on emergency service requests, including restorations.

Maintenance Schedules (Scheduled & Critical):

- Scheduled Maintenance: Scheduled (non-emergency) maintenance will be performed on Saturday between the hours 8 AM and 4 PM local time.
- Scheduled System Back up: Full system backs ups will be performed for the Oracle E-Business Suite each Saturday from 3 am until 5 am local time. These systems are unavailable during this time frame.
- Critical Maintenance: Critical maintenance may be performed at any time to correct conditions that require immediate attention. Critical maintenance is performed at the discretion of the Provider and may degrade or disrupt service. All reasonable business efforts will be attempted to notify the Subscriber's designated point of contact as is reasonably practicable under the circumstance.

Software Access and Change Control:

The Parties shall establish a work group, which shall include at least one representative from each Party, to oversee a change control process (the "Change Control Process") for the approval of any modifications, alterations or other changes (each a "Software Modification") to the Software and Systems and programs described herein (the "Software"). No Software Modification shall be authorized or made to the Software if

	<p>such modification would impair the effectiveness of the Software used by or for the benefit of the Party that is not requesting the Software Modification.</p> <p>Nothing contained in this Schedule shall modify or terminate the rights a Party enjoys as a licensee (the "Licensed Party") of the Software; provided that, the Licensed Party shall comply with the Change Control Process for that Software.</p> <p>If the Subscribing Party is not the Licensed Party, the Licensed Party shall ensure the non-Licensed Party has the proper level of access to the Software, up to full administrator-level access, necessary for its operations; provided that, the non-Licensed Party shall comply with any Change Control Process for that Software.</p>
<p>Related Services</p>	<p>N/A</p>
<p>Assumptions, Dependencies, and Requirements</p>	<p>Assumptions:</p> <ul style="list-style-type: none"> <li>- Provider to provide access to Software and Systems to Subscriber designated employees and agents.</li> <li>- The City is planning to move from Oracle E-Business Suite to Oracle Cloud and from BRASS Budgeting to Oracle Hyperion during 2016. Additional configuration options for Oracle Cloud and Hyperion to meet Subscriber/Provider requirements are being evaluated. If Subscriber also uses Oracle Cloud and Oracle Hyperion, this will impact the cost of the shared service agreement.</li> <li>- Once the City moves to Oracle Cloud, the monthly cost for Subscriber to remain on DRMS will increase as reflected in the attached cost schedule.</li> <li>- Once the City has moved to Oracle Cloud, a solution will be offered to Subscriber to allow long-term view access to historical DRMS data to allow Subscriber to research prior transactions and financial data and view prior financial reports.</li> <li>- Changes to the Oracle E-Business Suite (DRMS) system and budgeting system are being made to accommodate the new funds, cost centers, and valid chart of account combinations for Subscriber and Provider in the fall of 2015 for use on 1/1/2016. In addition, a separate Subscriber purchase order template is being designed for use as of January 1, 2016.</li> <li>- Subscriber may want to move to independent financial information systems as soon as possible.</li> <li>- These systems are required services for procurement, paying bills, budgeting, and creating financial statements.</li> </ul> <p>Dependency:</p> <ul style="list-style-type: none"> <li>- This Service is dependent upon support from the Provider under Schedule OCFO-001.</li> <li>-This software depends on connectivity between Subscriber offices and the City of Detroit.</li> </ul> <p>Requirements:</p>

	<ul style="list-style-type: none"> <li>- Minimum PC Requirements: <ul style="list-style-type: none"> <li>- Operating System: <ul style="list-style-type: none"> <li>▪ Windows Vista Service Pack 1 or higher</li> <li>▪ Windows 7 (32-bit or 64-bit)</li> <li>▪ Windows Xp Sp2</li> </ul> </li> <li>- Java Environment: <ul style="list-style-type: none"> <li>▪ Sun JRE 1.6.0_21 or higher (for 32-bit)</li> </ul> </li> <li>- Browser: <ul style="list-style-type: none"> <li>▪ Microsoft Internet Explorer 8 or higher</li> </ul> </li> </ul> </li> </ul> <p>Firefox ESR 17.x</p>
Space/Location	<ul style="list-style-type: none"> <li>• 735 Randolph, Detroit, MI 48226</li> <li>• 6425 Huber, Detroit, MI 48211</li> </ul>
Staffing	<p>Existing Contractual Services:</p> <ul style="list-style-type: none"> <li>- Not applicable</li> </ul> <p>Leveraged Provider Staff:</p> <ul style="list-style-type: none"> <li>- Developer</li> <li>- System Administrator</li> <li>- Project Manager</li> <li>- Applications Manager</li> <li>- Report Writer</li> <li>- Database Administrator</li> <li>- Unix Administrator</li> <li>- Help Desk</li> <li>- Office Administration</li> </ul> <p>Total Staff: 8.17 FTE</p>
Duration (phasing), extensions	<p>This term shall expire on December 31, 2021.</p> <p>The term may be extended by mutual agreement of the Parties for additional one-year terms pursuant to Section 2.3 of the Agreement.</p>
Cost Methodology	<p>Costs have been determined by:</p> <ul style="list-style-type: none"> <li>- Allocating each of the Provider DoIT personnel across the various IT shared service schedules or to other tasks which are 100% Provider.</li> <li>- Determining the rate for each employee or temporary staff, including their wages and fringes.</li> <li>- Calculating the total labor dollars to be allocated to each IT shared service schedule by adding up the personnel and staffing costs of each resource allocated to each shared service.</li> <li>- Assigning direct costs such as software licensing, software vendor maintenance costs, and outsourced/contracted support services to each shared service.</li> <li>- The software and services costs are multiplied by the percentage of the system to be used by Subscriber to arrive at the total shared software and services cost to Subscriber.</li> </ul>
Separation Costs	<p>Separation Costs are anticipated as follows:  Transition Costs associated with (1) transferring records of the Services provided to Subscriber's new data/records system, and (2) Subscriber's</p>

	access to the information and data contained in the Software and Systems through completion of the Subscriber's comprehensive annual financial report.
Cost Type	Shared Service
Frequency of Payment (if other than monthly)	Monthly.
Notice of Termination of Entire Service or Element	Provider may terminate all or a portion of this schedule upon one year advance written notice to the Subscriber; and Subscriber may terminate all or a portion of this schedule upon sixty days advance written notice to the Provider.
Contact for City/DWSD-R	Title: Chief Information Officer – City of Detroit
Contact for GLWA	Title: Chief Information Officer
List of Exhibits & Attachments	Exhibit A: Cost Methodology Initial Allocation
Approved for GLWA (w/Date):	Sue McCormick (12/9/2015)
Approved for City/DWSD-R (w/Date):	Gary Brown (12/9/2015)
Effective Date:	January 1, 2016

**EXHIBIT A  
COST METHODOLOGY INITIAL ALLOCATION**

Costs through March 31, 2016

Financial Services	
City of Detroit DoIT Staffing	
Position	FTE
Developer	3.5
System Administrator	1.25
Project Manager	0.6
Applications Manager	1
Report Writer	0.5
Database Administrator	0.6
Unix Administrator	0.45
Help Desk	0.22
Office Administration	0.05
8.17	\$1,075,826

Software and Services	
Software & Services	Cost
Oracle EBS Software	\$623,151
Oracle Database (EBS)	\$279,211
Noetix Software	\$157,998
Total Annual Support and Maintenance	\$1,060,360
<b>Total Financial Services</b>	<b>\$2,136,186</b>

Total GLWA Costs (10%)	*\$213,619
Monthly Cost through March 2016	\$17,802

Costs from April 1, 2016 through October 31, 2016  
(amounts due on the first of each month)

April, 2016	111,844
May, 2016	61,844
June, 2016	61,844
July, 2016	561,844
August, 2016	61,844
September, 2016	61,844



## Shared Services Agreement Schedule



### DoIT: 800-mHz Radio System

Shared Service Schedule #	DoIT-002
Service Provider	City of Detroit / Detroit Water and Sewerage Department - Retail
Service Subscriber	Great Lakes Water Authority
Description of Service	<p>800 MHz Radio System (as-is environment)</p> <p>This radio system is used by Subscriber and Provider for communication by field and plant employees.</p>
Description of Requirements, Level of Service, Hours of Service	<p>Provider shall provide the Subscriber the following services and programs:</p> <ul style="list-style-type: none"> <li>- Maintain the integrity of the radio system infrastructure, including but not limited to:               <ul style="list-style-type: none"> <li>o Regular maintenance of the radio, including the prep radio, console, and related devices.</li> <li>o Minor repairs and troubleshooting of the radio's functions.</li> <li>o Regular maintenance of the tower where the radio is located.</li> </ul> </li> <li>- Management and tax clearance for the Provider's Vendors of the tower and radio.</li> <li>- Reasonable staff support for the efficient access and use of the radio by Subscriber.</li> <li>- Backup of Subscriber's data associated with the radio and recovery of that data, if necessary.</li> <li>- Provider is responsible to pay the rent for the tower where the radio is located and the costs of electricity to the tower.</li> </ul> <p>Subscriber shall:</p> <ul style="list-style-type: none"> <li>- Provide a technical Point of Contact (with networking and radio systems background) for all Provider communications.</li> <li>- Work with provider to test disaster recovery plans and to test restoration of servers when requested (at least annually).</li> </ul> <p>Deliverables: Access to use of the 800 MHz Radio System used by Subscriber and Provider for communication by field and plant employees (as-is environment).</p> <p>Service Level Definitions (with performance metrics): Provider shall take commercially reasonable steps to ensure that:</p>

	<ul style="list-style-type: none"> <li>- Major planned service outages are discussed with Subscriber at a minimum 5 business days prior planned service outages, and a mutually agreed upon schedule for the outages will be implemented.</li> <li>- Provider provides a 48-hour response and best effort resolution on standard service requests.</li> <li>- Provider shall provide 4-hour response and best effort resolution on emergency service requests, including restorations.</li> </ul> <p><b>Maintenance Schedules (Scheduled &amp; Critical):</b></p> <ul style="list-style-type: none"> <li>- <b>Scheduled Maintenance:</b> Provider will perform scheduled (non-emergency) maintenance Saturday between the hours of 8 AM to 4 PM local time;</li> <li>- <b>Critical Maintenance:</b> Provider may perform critical maintenance at any time to correct conditions that require immediate attention. Critical maintenance is performed at the discretion of the Provider and may degrade or disrupt service. All reasonable business efforts will be attempted to notify the Subscriber’s designated point of contact as is reasonably practicable under the circumstance.</li> </ul> <p><b>Software Access and Change Control:</b></p> <ul style="list-style-type: none"> <li>- The Parties shall establish a work group, which shall include at least one representative from each party, to oversee a change control process (the “Change Control Process”) for the approval of any modifications, alterations, or other changes (each, a “Software Modification”) to the Software and Systems and programs described herein (the “Software”). No Software Modification shall be authorized or made to the Software if such modification would impair the effectiveness of the Software used by or for the benefit of the Party that is not requesting the Software Modification.</li> <li>- Nothing contained in this Schedule shall modify or terminate the rights that a Party enjoys as a licensee (the “Licensed Party”) of the Software, provided that the Licensed Party shall comply with the Change Control Process for that Software.</li> <li>- If the Subscribing Party is not the Licensed Party, the Licensed Party shall ensure the non-Licensed Party has the proper level of access to the Software, up to full administrator-level access, necessary for its operations, provided that the non-Licensed Party shall comply with any Change Control Process for that Software.</li> </ul>
Related Services	N/A
Assumptions, Dependency, and Requirements	<p><b>Assumptions:</b></p> <ul style="list-style-type: none"> <li>- There are no major planned upgrades to the 800MHz radio system at this time.</li> <li>- These services are required for employees to use the radio system. Without this service GLWA and City would not be able to communicate using the radio system.</li> </ul>

	<p><b>Dependency:</b></p> <ul style="list-style-type: none"> <li>- This software depends on connectivity between GLWA offices and the City of Detroit</li> </ul> <p><b>Requirements:</b></p> <ul style="list-style-type: none"> <li>- Customer Programming Software</li> <li>- Radio Manager Software</li> <li>- Programming Cable</li> <li>- Key Loader</li> <li>- Radio Service Monitor</li> </ul>
<b>Space/Location</b>	<ul style="list-style-type: none"> <li>• 735 Randolph, Detroit, MI 48226</li> <li>• 6425 Huber, Detroit, MI 48211</li> </ul>
<b>Staffing</b>	<p><b>Existing Contractual Services:</b></p> <ul style="list-style-type: none"> <li>- Not applicable</li> </ul> <p><b>Leveraged Provider Staff:</b></p> <ul style="list-style-type: none"> <li>- Administration Manager-Sgt.</li> <li>- Radio Technician - PO</li> <li>- Radio Technician</li> <li>- Radio Technician</li> <li>- Radio Technician</li> <li>- Radio Technician</li> <li>- Radio Maintenance Worker</li> </ul> <p><b>Total Staff: 6.9 FTE</b></p>
<b>Duration (phasing), extensions</b>	<p>This term shall expire on June 30, 2021.</p> <p>The term may be extended by mutual agreement of the Parties for additional one-year terms pursuant to Section 2.3 of the Agreement.</p>
<b>Cost Methodology</b>	<p>Costs have been determined by:</p> <ul style="list-style-type: none"> <li>- Allocating each of the Provider DoIT personnel across the various DoIT shared service schedules or to other tasks which are 100% Provider.</li> <li>- Determining the rate for each employee or temporary staff, including their wages and fringes.</li> <li>- Calculating the total labor dollars to be allocated to each IT shared service schedule by adding up the personnel and staffing costs of each resource allocated to each shared service.</li> <li>- Assigning direct costs such as software licensing, software vendor maintenance costs, and outsourced/contracted support services to each shared service.</li> <li>- The software and services costs are multiplied by the percentage of the system to be used by GLWA to arrive at the total shared software and services cost to GLWA.</li> </ul>
<b>Separation Costs</b>	<p>Separation Costs are anticipated as follows:</p>

	Transition Costs associated with transferring records of the Services provided to Subscriber's new data/records system.
Cost Type	Shared Service
Frequency of Payment (if other than monthly)	Monthly
Notice of Termination of Entire Service or Element	Either Party may terminate this schedule upon 180 days advance written notice to the other Party.
Contact for City/DWSD-R	Title: Chief Information Officer- Detroit
Contact for GLWA	Title: Chief Information Officer
List of Exhibits & Attachments	Exhibit A: Cost Methodology Initial Allocation
Approved for GLWA (w/Date):	Sue McCormick (12/9/2015)
Approved for City/DWSD-R (w/Date):	Gary Brown (12/9/2015)
Effective Date:	January 1, 2016

**EXHIBIT A  
COST METHODOLOGY INITIAL ALLOCATION**

**Radio Services  
City of Detroit ITS Staffing**

<b>Position</b>	<b>FTE</b>
Administration Manager-Sgt	1
Radio Technician-PO	1
Radio Technician	1
Radio Technician	1
Radio Technician	1
Radio Technician	1
Radio Maintenance Worker	1
<b>7</b>	<b>\$498,090</b>

**Software and Services**

<b>Software &amp; Services</b>	<b>Cost</b>
Penobscot Rent	\$100,800
Motorola Maintenance Contract	\$1,620,000
Utilities (All ten sites)	\$72,000
<b>Total Annual Support and Maintenance</b>	<b>\$1,792,800</b>

**Total Radio Services      \$2,290,890**

**Total GLWA Costs (13%)      \$297,815**

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**Shared Service Agreement  
Schedule**



**DoIT: Customer Service Technology Suite -  
Wholesale**

Shared Service Schedule #	DoIT-003
Service Provider	City of Detroit / Detroit Water and Sewerage Department - Retail
Service Subscriber	Great Lakes Water Authority
Description of Service	<p>Customer Service Technology Suite – Wholesale.</p> <p>Provider shall provide Subscriber access to its Software and Systems for the of purpose of generating bills and accepting payments from the Subscriber’s wholesale customers.</p>
Description of Requirements, Level of Service, Hours of Service	<p>Provider shall provide the Subscriber and Subscriber wholesale customers access to and use of the following software, systems and programs (the “Software and Systems”):</p> <ul style="list-style-type: none"> <li>- enQuesta The billing system used to generate bills for both retail and wholesale customers and perform accounts receivable functions.</li> <li>- Inovah (cashiering) Cashiering and receipting system attached to enQuesta</li> <li>- ZipWire (ACD) Used to route incoming calls from retail customers to the appropriate location.</li> <li>- Selectron (IVR) Interactive Voice Response solution used for payment processing via telephone for retail water bills.</li> <li>- Pitney Bowes (address correction and postal optimization) Used to perform address correction and postal optimization during the mailing of bills.</li> </ul> <p>Provider shall provide the following services to support the Subscriber’s and the Subscriber wholesale customers access to and use of the Software and Systems:</p> <ul style="list-style-type: none"> <li>- Use of the Provider’s servers (IBM AIX) to store the Subscriber’s data from the Software and Systems</li> <li>- Support for the Software and Systems through the CBMS team of the City. The City, through DWSD-R, is responsible</li> </ul>

for the costs of running and maintaining the technology environment as part of their budget.

**Provider shall:**

- Provide management and staff support necessary to generate wholesale customer invoices until GLWA has fully transitioned to its own billing software.
- Provide management and staff assistance during the period GLWA is setting up its new billing software to answer questions about the setup of GLWA invoicing and participate in a month of parallel billing testing if needed.
- Ensure operation of the Software and Systems serving both Provider retail and Subscriber wholesale customers.
- Ensure that regular patching and code updates are applied to the Software and Systems to keep the platform secure and reliable.
- Provide, at the minimum, view-level access into the configuration and monitoring utility to the Software and Systems to the Subscriber.
- Work with Subscriber to test disaster recovery plans and to test restoration of servers when requested by Subscriber.

**Subscriber shall:**

- Provide a technical Point of Contact (with a networking and systems background) for all Provider communications.
- Work with Provider to test disaster recovery plans and to test restoration of servers when requested.

**Service Level Definitions (with performance metrics):** Provider shall take commercially reasonable steps to ensure that:

- Major planned service outages will be discussed with Subscriber at a minimum of 10 business days prior to the planned service outages and a mutually agreed upon schedule for the outages will be implemented.
- Provider shall provide 48-hour response and best effort resolution on standard service requests.
- Provider shall provide 4-hour response and best effort resolution on emergency service requests, including restorations.

**Maintenance Schedules (Scheduled and Critical):**

- Provider will perform scheduled (non-emergency) maintenance between the hours of 6 PM to 6 AM local time. Normal maintenance includes (1) upgrades of hardware and software and (2) upgrades to capacity.
- Provider may perform critical maintenance at any time to correct conditions that require immediate attention. Critical

	<p>maintenance is performed at the discretion of the Provider and may degrade or disrupt service. All reasonable business efforts will be attempted to notify the Subscriber's designated point of contact as is reasonably practicable under the circumstance.</p> <p><b>Software Access and Change Control:</b></p> <ul style="list-style-type: none"> <li>- The Parties shall establish a work group, which shall include at least one representative from each party, to oversee a change control process (the "Change Control Process") for the approval of any modifications, alterations, or other changes (each, a "Software Modification") to the Software and Systems and programs described herein (the "Software"). No Software Modification shall be authorized or made to the Software if such modification would impair the effectiveness of the Software used by or for the benefit of the Party that is not requesting the Software Modification.</li> <li>- Nothing contained in this Schedule shall modify or terminate the rights that a Party enjoys as a licensee (the "Licensed Party") of the Software, provided that the Licensed Party shall comply with the Change Control Process for that Software.</li> <li>- If the Subscribing Party is not the Licensed Party, the Licensed Party shall ensure the non-Licensed Party has the proper level of access to the Software, up to full administrator-level access, necessary for its operations, provided that the non-Licensed Party shall comply with any Change Control Process for that Software.</li> </ul>
<p><b>Related Services</b></p>	<p>N/A</p>
<p><b>Assumptions, Dependencies, and Requirements</b></p>	<p><b>Assumptions:</b></p> <ul style="list-style-type: none"> <li>- Changes to the function or scope of the Software and Systems are performed by the CBMS team, transitioning to Provider with support from Subscriber IT.</li> <li>- Updates in support required by GLWA IT should be planned through the annual budgeting process (the "Change Request Process"). The Change Request Process consists of: GLWA provides its requirements to Subscriber IT and Provider CBMS support. Then, the Subscriber IT and Provider CBMS teams provide a time and cost estimate for the change. Mid-year changes outside of the annual budget planning process additionally require budget approval for a mid-year change.</li> <li>- Provider owns the licenses for the Software and Systems. This schedule covers the fee to Subscriber to use that software for its wholesale customer billing.</li> <li>- Wholesale water customers will be billed using the Customer Service Suite of applications for a few months after the</li> </ul>

	<p>effective date until Subscriber has begun operation of its own billing software.</p> <ul style="list-style-type: none"> <li>- Once Subscriber has its own billing software tested and operational, it plans to invoice the following wholesale charges: <ul style="list-style-type: none"> <li>• Monthly water and sewer charges to suburban customers</li> <li>• An invoice to Provider for water revenue requirement and sewer revenue requirement.</li> <li>• IWC charges for suburban customers based on the information they provide on commercial customer meter sizes.</li> <li>• A monthly IWC invoice to the City based upon the Wastewater Discharge Ordinance Delegation Agreement that will be signed with the City. The amount of the monthly IWC charges will be based upon the reporting of commercial and industrial meter sizes as is done for other wholesale customers.</li> <li>• Direct billing of pollutant surcharges to both City and suburban customers.</li> <li>• Other miscellaneous billings, including those for discharge violations and lease invoices.</li> </ul> </li> <li>- DWSD-R will continue to use the enQuesta customer service technology suite to invoice the following charges after GLWA has its own billing software tested and operational: <ul style="list-style-type: none"> <li>• Water and sewer charges for Detroit retail customers as an agent of GLWA</li> <li>• IWC charges for Detroit retail industrial and commercial customers per the Wastewater Discharge Ordinance Delegation Agreement</li> </ul> </li> </ul> <p>Dependencies:</p> <ul style="list-style-type: none"> <li>- Dependent upon the Subscriber of this Schedule continuing to provide the Services required under Schedule ITS-002.</li> <li>- Customer service, billing, payment application, collections, and AR tracking for retail water and sewer customers are dependent upon the operation of the Software and Systems.</li> <li>- This software depends on the availability of ISP services.</li> </ul> <p>Requirements:</p> <ul style="list-style-type: none"> <li>- IBM AIX, Oracle, Windows 2012, SQL Server 2008</li> </ul>
Space/Location	Water Board Building / Central Services Facility (CSF)
Staffing	<p><i>Dedicated Provider Staff:</i></p> <ul style="list-style-type: none"> <li>- Subset of CBMS Staff</li> </ul> <p><i>Leveraged Provider Staff:</i></p>

	<ul style="list-style-type: none"> <li>- Provider Billing Management and Staff to support the billing Subscriber wholesale invoice charges until Subscriber has tested and implemented its own billing system and staff to support the transition and testing as Subscriber implements its own billing system.</li> <li>- Provider Staff to bill IWC and Hauled in Waste charges to retail customers on a continuing basis both before and after Subscriber has tested and implemented its own billing system</li> </ul>
Duration (phasing), extensions	<p>This term shall expire on June 30, 2016.</p> <p>The term may be extended by mutual agreement of the Parties for additional one-year terms pursuant to Section 2.3 of the Agreement.</p>
Cost Methodology	<p>Costs have been determined by:</p> <ul style="list-style-type: none"> <li>- Charging back to Subscriber 5% of the costs from ITS-002 Customer Service Suite</li> <li>- Adding part time assistance of the Provider Billing Manager</li> </ul>
Separation Costs	<p>Separation Costs are anticipated as follows:</p> <p>Transition Costs associated with transferring records of the Services provided to Subscriber's new data/records system.</p>
Cost Type	Shared Service
Frequency of Payment	Monthly
Notice of Termination of Entire Service or Element	<p>Provider may terminate all or part of this schedule upon 180 days advance written notice to the Subscriber; and Subscriber may terminate all or part of this schedule upon 30 days advance written notice to the Provider.</p>
Contact for City/DWSD-R	Title: Chief Information Officer - Detroit
Contact for GLWA	Title: Chief Information Officer
List of Exhibits & Attachments	Exhibit A: Cost Methodology Initial Allocation
Approved for GLWA (w/Date):	Sue McCormick (12/9/2015)
Approved for City/DWSD-R (w/Date):	Gary Brown (12/9/2015)
Effective Date:	January 1, 2016

**EXHIBIT A  
COST METHODOLOGY INITIAL ALLOCATION**

**Customer Service Technology Suite - Wholesale  
Great Lakes Water Authority Staffing**

Position	FTE
2 Application Analysts and 1 Service Desk Analyst are planned to remain with City to support the customer service suite	
Billing Manager	0.2
GLWA IT Staff supporting Billing - GLWA Share @5%	0.125
	<b>0.325</b>

Shared Billing Staff 0.3	\$	24,000	
Other Shared Back to GLWA @5%	\$	30,497	5% of \$609,949
Direct City Staff 0.0	\$	-	
<b>Total Staff 0.3</b>	<b>\$</b>	<b>54,497</b>	

**Software and Services**

Software & Services (all at 100% of total to City)	Cost
Support Services for enQuesta	\$620,718
Third party support for inovah, IBM AIX, Pitney Bowes & Cognos	\$202,210
IVR	\$70,000
Storm water billing maintenance	\$27,318
ACD (Zipwire)	\$225,000
<b>Shared Software</b>	<b>\$1,145,246</b>
<b>Direct Software</b>	<b>\$0</b>
Card processing fees	\$270,000
Training	\$42,667
Contingency	\$83,333
<b>Shared Services</b>	<b>\$396,000</b>
<b>Direct Services</b>	<b>\$0</b>
<b>Total Annual Support and Maintenance</b>	<b>\$1,541,246</b>

Shared Software and Services Total	\$1,541,246
Shared Services @ 5% of system use for GLWA	\$77,062
Direct Software and Services	\$0

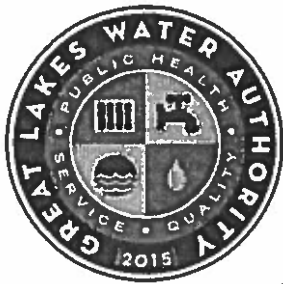
<b>Total Customer Service Technology Suite - Wholesale</b>		<b><u>\$1,595,744</u></b>
<b>Total Retail Customer Service Suite for GLWA</b>		<b><u>\$131,560</u></b>
<b>Total Direct Cost</b>		<b>-</b>
<b>Total Shared Service Cost</b>		<b>\$131,560</b>
<b>Monthly Shared Service Cost</b>		
<b>(Total Shared Services / 12)</b>	<b>\$</b>	<b>10,963</b>

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**Shared Services Agreement  
Schedule**

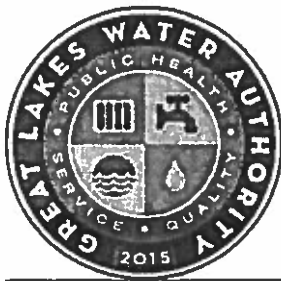


**OCFO: Support to Financial Information Systems**

Shared Service Schedule #	OCFO-001
Service Provider	City of Detroit / Detroit Water and Sewerage Department - Retail
Service Subscriber / Payer	Great Lakes Water Authority
Description of Service	Support Services for Subscriber Financial Information Systems
Description of Requirements, Level of Service, Hours of Service	<p>The Provider's Office of the Chief Financial Officer shall provide the following services to Subscriber in support of the Services provided under Schedule DoIT-001:</p> <ol style="list-style-type: none"> <li>1. Accounts Payable Support, including, but not limited to: <ul style="list-style-type: none"> <li>- Check printing;</li> <li>- Check Distribution.</li> </ul> </li> <li>2. Fund Transfers (Treasury Support).</li> <li>3. Audit and Closing Support.</li> <li>4. Chart of Account Maintenance Support, consisting of the creation and maintenance of Subscriber's Chart of Accounts.</li> <li>5. Budget System Support, consisting of: <ul style="list-style-type: none"> <li>- Loading and Managing of Budget data within the Software and Systems (as defined in Schedule DoIT-001);</li> <li>- Maintenance of Budget in the Software and Systems.</li> </ul> </li> <li>6. Reporting Support, consisting of fixed asset reporting and other financial reporting.</li> <li>7. GL Wand Access and Support, consisting of providing sufficient GL Wand Licenses and access to GL Wand for designated employees of Subscriber.</li> <li>8. Providing access to the Software and Systems identified in Schedule DoIT-001 to designated employees of Subscriber for data entry and ensuring the security of the data entered.</li> <li>9. Providing training for in the proper use of DRMS and GL Wand.</li> <li>10. Approving and applying journal entries by designated Subscriber employees into the Software and Systems.</li> </ol>
Related Services	Services provided under Schedule DoIT-001

Assumptions, Dependencies, and Requirements	Dependency:
Space/Location	2 Woodward Avenue
Staffing	Minimal.
Duration (phasing), extensions	The term of this schedule shall expire on [June 30, 2016].
Cost Methodology	Subject to true-up process of Section 5.1 of the Agreement.
Separation Costs	Separation Costs are anticipated as follows: Transition Costs associated with transferring records of the Services provided to Subscriber's new data/records system.
[Frequency of Payment, if other than monthly]	Monthly
Notice of Termination of entire service or element	Either Party may terminate this schedule upon 90 days advance written notice to the other Party.
Contact for City/DWSD – R	Title: Chief Financial Officer – Detroit
Contact for GLWA	Title: Chief Financial Officer
List of Exhibits & Attachments	
Approved for GLWA (w/Date):	Sue McCormick (12/9/2015)
Approved for City/DWSD-R (w/Date):	Gary Brown (12/9/2015)
Effective Date:	January 1, 2016

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**Shared Services Agreement  
Schedule**



**Procurement:  
Applications Analyst**

Shared Service Schedule #	PRO-001
Service Provider	Great Lakes Water Authority
Service Subscriber / Payer	City of Detroit / Detroit Water and Sewerage Department - Retail
Description of Service	Applications Analyst
Description of Requirements, Level of Service, Hours of Service	<p>The following services will be provided by the Provider and be available to subscriber:</p> <ul style="list-style-type: none"> <li>• Analyzing the organization's purchasing decisions to evaluate their effectiveness</li> <li>• Evaluate supplier's proposals, costs, and quality, as well as oversee purchasing performance based on service and availability.</li> <li>• Analyze and report on purchasing metrics, creating standard and ad hoc reports.</li> <li>• Compare and evaluate goods and contracts to recommend strategies.</li> <li>• Analyze and document options for procurement of materials, goods, and services.</li> <li>• Training of potential additional resources identified by DWSD-R.</li> </ul>
Related Services	N/A
Assumptions, Dependencies, and Requirements	System Access to data for DWSD-R, City of Detroit and GLWA.
Space/Location	735 Randolph
Staffing	50% x 1 FTE
Duration (phasing), extensions	<p>The term of this Schedule shall expire on June 30, 2017.</p> <p>The term may be extended by mutual agreement of the Parties for additional terms pursuant to Section 2.3 of the Agreement.</p>
Cost Methodology	The Cost for this service will be 50% of the direct salary and fringe benefits of staff performing the services.
Separation Costs	<p>Separation Costs are anticipated as follows:</p> <p>Stranded Costs associated with the lay-off of employees, including unemployment benefits.</p> <p>Transition Costs associated with transferring records of the Services provided to Subscriber's new data/records system.</p>

[Frequency of Payment, if other than monthly]	Monthly
Notice of Termination of entire service or element	Provider may terminate this schedule upon 90 days advance written notice to the Subscriber; and Subscriber may terminate this schedule upon 30 days advance written notice to the Provider.
Contact for City/DWSD – R	Title: Chief Financial Officer
Contact for GLWA	Title: Director of Procurement
List of Exhibits & Attachments	
Approved for GLWA (w/Date):	Sue McCormick (12/9/2015)
Approved for City/DWSD-R (w/Date):	Gary Brown (12/9/2015)
Effective Date:	January 1, 2016

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## Shared Services Agreement Schedule



### Procurement: Materials Management

Shared Service Schedule #	PRO-002
Service Provider	City of Detroit / Detroit Water and Sewerage Department - Retail
Service Subscriber / Payer	Great Lakes Water Authority
Description of Service	Materials Management Department (Central Service Facility Only)
Description of Requirements, Level of Service, Hours of Service	<p>Personnel will be provided with the background and skills needed to provide the following services:</p> <p><b>Overall accountability to direct, administer and manage overall inventory and supply base requirements for materials and logistics which include inventory planning, budgeting, management &amp; control, warehouse operational management &amp; regulatory compliance and asset accountability of all logistics materials received, stored and processed through purchasing and supply warehouse facility at the CSF to ensure continuity of supply while managing performance of assigned contractual services within the following scope of responsibilities:</b></p> <p><b>Materials Management</b> – lead and oversee materials management including receipt, inspection, storage, care &amp; maintenance, obsolescence, surplus, material issue and all related functions involved in proper procurement and material control, and implement materials and inventory strategies that control and regulate material flow to optimize productivity, service levels and customer satisfaction while improving flow, inventory turns, inventory accuracy, costs and lead-times for achievement of performance metrics for working capital and compliance to GAAP requirements; perform inventory management related functions such as demand planning &amp; forecasting, expediting, delivery schedules, project reporting, monitoring inventory (ie. variances), cycle counting, physical inventories, management of consigned, non-consigned, customer-owned, 3<sup>rd</sup> party inventory, reclaimed &amp; recyclable material and reporting</p> <p><b>Logistics Operations Management</b> – manage all warehouse and logistics functions including capacity requirement planning, inbound transportation (warehouse, stockroom or point of use), interplant (stock transfers between locations), outbound transportation, shipment tracking, proof of delivery, damages, return of rejected and overstock materials to suppliers and recommendations for warehouse consolidation efforts; monitor and assess carriers performance and logistics costs (rates, fuel surcharges, fees, etc.); develop annual logistics budget and monitor actual costs on monthly basis</p> <p><b>Process Management</b> – process definition, development &amp; harmonization, systems requirements development &amp; deployment and project definition documentation that ensure optimal performance for</p>

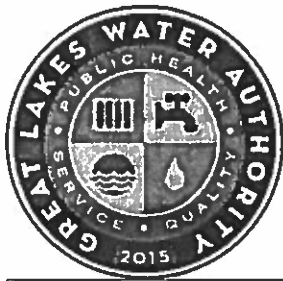
	<p>transportation, material transfers, pull systems, shipping, receiving and distribution systems; identify, evaluate and recommend standardization of processes &amp; procedures, process improvement and continuous improvement opportunities to improve inventory turns, order fulfillment, throughput, cycle time, lot sizing, work flow, quality and flexibility</p> <p><b>Asset Management</b> – coordination of essential activities related to establishing parameters and maintenance of required data in the Oracle Work Order &amp; Asset Management (WAM) Material Requirement Planning module, including any future Enterprise Resource Planning (ERP) system; establish and oversee risk-based methodologies to manage all assets including but not limited to, asset risk determination, capital project planning and investment, maintenance management, asset data collection, asset register maintenance, business process development and monitoring; monitor, manage and analyze fleet inventory including vehicles, rolling stock and other powered equipment to minimize total cost of ownership</p> <p><b>Supply Management</b> – manage all contract administration actions within Materials Management: coordinate, plan and implement acquisition strategy for all Materials Management procurements to ensure the integrity of all inventory transactions and inventory balances, including periodic cycle counts and kitting of materials</p> <p><b>Supplier Management</b>- supplier selection, development and management; supplier qualification and performance with emphasis on quality, delivery and cost; design, develop and implement key performance metrics to assess and optimize performance; update and maintain supplier data and certifications</p> <p><b>Performance &amp; Quality</b> – identification, development and maintenance of data for key performance indicators (KPI) to improve performance relative to benchmarks and ensure achievement to demonstrate effectiveness of processes; analysis of historical data, current trends and economic order forecasts to develop and implement continuous improvement plans for inventory management, inventory reduction, just-in-time (JIT), low units of measure (LUM), production scheduling, forecasting &amp; planning and inventory record accuracy; facilitation of tools, reporting capabilities, global systems and visibility requirements to support customer fulfillment, inventory &amp; liability metrics, performance reports and adoption of best practices</p> <p><b>Contract Administration</b> – administer and manage contract review and approval processes; negotiate contracts, contract cost or price and contract compliance</p> <p><b>Cost Management</b> – determine requirements to support baseline budget, forecast and target development; develop mechanisms to identify key cost drivers, monitor performance to target (ie. cost savings) and perform gap analysis to identify opportunities for value creation; manage sustainable cost control, cost reductions, cost containment, cost modeling, Total Cost of Ownership (TCO) analysis, negotiation strategies, risk mitigation</p>
Related Services	N/A

Assumptions, Dependencies, and Requirements	<p>DWSD-R will manage the Central Storeroom located at Central Service Facility (CSF) and the Auto Storeroom at CSF. The Central Storeroom will hold inventories owned by both GLWA and DWSD-R. GLWA will manage the sewer storerooms at the Wastewater treatment plant and the McKinstry facility.</p> <p>It is assumed that there are limited GLWA inventories at West Yard and that there are limited DWSD-R inventories at Wastewater and McKinstry. Any such inventories will be moved to an appropriate GLWA or DWSD-R storeroom near to January 1, 2016. At CSF, inventories will be physically separated into separate GLWA and DWSD-R areas.</p> <p>To enable tracking and accounting of DWSD-R and GLWA inventories in WAM, records will be updated near to January 1, 2016 to reflect the balances in each storeroom for each entity. An analysis will be completed to help ensure that each entity has an adequate supply or critical items to support their operations. Reorder points will also be reset appropriately for each organization. Procedures will be implemented to help ensure the appropriate inventory controls are in place at each location such that inventory levels and accounting records can be maintained accurately.</p>
Space/Location	Water Central Warehouse (CSF) and Water Auto Stores (CSF)
Staffing	Minimal.
Duration (phasing), extensions	The term of this schedule shall expire on June 30, 2016
Cost Methodology	Subject to true-up process of Section 5.1 of the Agreement.
Separation Costs	<p>Separation Costs are anticipated as follows:</p> <p>Stranded Costs associated with the lay-off of employees, including unemployment benefits, and</p> <p>Transition Costs associated with transferring records of the Services provided to Subscriber's new data/records system.</p>
[Frequency of Payment, if other than monthly]	Monthly
Notice of Termination of entire service or element	Either Party may terminate this schedule upon 90 days advance written notice to the other Party.
Contact for City/DWSD – R	Title: Chief Financial Officer
Contact for GLWA	Title: Director, Procurement
List of Exhibits & Attachments	
Approved for GLWA (w/Date):	Sue McCormick (12/9/2015)
Approved for City/DWSD-R (w/Date):	Gary Brown (12/9/2015)
Effective Date:	January 1, 2016

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**Shared Services Agreement**  
**Schedule**  
**Legal: Litigation Legal Services (including Joint Defense)**



Shared Service Schedule #	LS-001-A
Service Provider	Great Lakes Water Authority (GLWA)
Service Subscriber	City of Detroit / Detroit Water and Sewerage Department - Retail
Description of Service	<p>Provide legal services for: (1) current litigation matters as identified on a list of matters in the possession of the Parties (“Legacy Litigation Matters”), and (2) future litigation matters and claims against DWSD-R as assigned to GLWA by DWSD-R. The Provider shall also retain any Legacy Litigation Matters which may not specifically be identified on the list of matters retained by each Party to the extent that any attorney that is currently primarily responsible for such matters will be employed by the Provider.</p> <p>Such representation includes but is not limited to Provider taking the following actions on behalf of Subscriber:</p> <ul style="list-style-type: none"> <li>• Ensure Subscriber is timely informed of current status for each matter.</li> <li>• Establish a system to enable Subscriber to make all material decisions with respect to the conduct, strategy, disposition, and representation, if outside counsel is retained, of each matter in a timely manner.</li> <li>• Maintain accurate records with respect to each assigned matter.</li> <li>• At the direction of Subscriber, take all necessary actions related to litigation, including but not limited to, negotiating settlement at the direction of Subscriber, drafting motions, briefs and other documents, appearing at hearings and trials, conducting necessary research and investigation, and retaining, with Subscriber approval, necessary experts.</li> <li>• Handle all proceedings through final disposition at the trial or administrative level, including discovery and settlement as directed.</li> <li>• Handle related appellate proceedings as assigned.</li> <li>• If directed by Subscriber, retain outside counsel to represent Subscriber, and review related billings for accuracy.</li> <li>• Establish any conflict barriers necessary for the representation.</li> </ul>

	<ul style="list-style-type: none"> <li>Cooperate with Subscriber in all respects in the transfer of matters to new counsel, if applicable.</li> </ul>
Description of Requirements, Level of Service, Hours of Service	<p>As needed. Availability during normal business hours or as necessary to accomplish client litigation objectives.</p> <p>When the interests of each of the Parties are aligned, the Parties shall execute and deliver a Common Interest Agreement in the form attached hereto as Exhibit A.</p> <p>The Parties will execute appropriate conflict of interest waivers as necessary.</p> <p>If each Party is a named party in the matter, the Parties will execute a Common Defense Agreement as appropriate.</p> <p>Coordination with applicable DWSD-R Departments, City Departments and third party administrators as applicable.</p>
Related Services	N/A
Assumptions, Dependencies, and Requirements	N/A
Space/Location	Water Board Building
Staffing	Assigned FTEs for each matter and outside law firms.
Duration (phasing), extensions	Through resolution at the administrative/trial level, and appellate level if assigned, for each assigned matter.
Cost Methodology	<p>Costs for GLWA in-house attorneys shall be paid as-needed, on an hourly unit price basis, which shall be recorded and billed in quarter hour increments, comprising the following Service Cost elements: salaries, fringe benefits, contracted services not otherwise compensated, supplies and insurance. Expenses shall be paid upon receipt of an invoice for such expenses. Costs for outside counsel shall be paid at the contractual hourly rates, which shall be recorded and billed in 1/10 hour increments, <i>provided that</i>, the Subscriber shall have the right to pre-approve any new retainer agreements for outside counsel and any changes in existing outside counsel.</p> <p>When each Party has an interest or is a named party in the matter, the Parties shall share all costs and expenses equally.</p>
Separation Costs	The Parties do not anticipate any Separation Costs.
Frequency of Payment (if other than monthly)	Monthly as invoiced.

Notice of Termination of Entire Service or Element	No advance notice of termination of this Schedule or representation of any matter under this Schedule is required, however, the Parties shall endeavor to provide five days' advance written notice of termination.
Contact for City/DWSD – R	Name: Director or designee
Contact for GLWA	Name: General Counsel or designee
List of Exhibits & Attachments	Exhibit A: Common Interest Agreement
Approved for GLWA (w/Date):	Sue McCormick (12/9/2015)
Approved for City/DWSD-R (w/Date):	Gary Brown (12/9/2015)
Effective Date:	January 1, 2016

**EXHIBIT A**

**COMMON INTEREST AGREEMENT**

This Common Interest Agreement (the "Agreement") is entered into by and among the City of Detroit, Michigan, acting through its Board of Water Commissioners and its Water and Sewerage Department ("DWSD") and the Great Lakes Water Authority ("GLWA"), collectively referred to as the Parties. This Agreement memorializes and confirms the oral understanding of the Parties with respect to the formation of their Common Interests (as defined below) and extends to any information that the Parties (including their departments and subdivisions, as applicable), their counsel, and their agents already have exchanged or will exchange in connection with their Common Interests, which are discussed below.

**WHEREAS**, the City of Detroit commenced a case under chapter 9 of the Bankruptcy Code (Case No. 13-53846) (the "Bankruptcy Case") by filing its petition with the United States Bankruptcy Court for the Eastern District of Michigan on July 18, 2013 and various matters have been subject to litigation and mediation, including continued mediation orders (the "Mediation Orders") in the Bankruptcy Case;

**WHEREAS**, pursuant to mediation activities in the Bankruptcy Case, certain of the Parties have executed a Memorandum of Understanding (the "MOU") regarding the formation of the Great Lakes Water Authority ("GLWA"), and transition of certain assets and liabilities of DWSD to the GLWA as contemplated by the MOU (collectively, the "Transaction");

**WHEREAS**, the Parties share certain common interests including, but not limited to, those in connection with the Transaction which have been deemed confidential by the Mediation Orders or by one or more Parties pursuant to the Mediation Orders (collectively, the "Common Interests");

**WHEREAS**, the DWSD Board of Water Commissioners and the GLWA Board of Directors have each approved that certain Shared Services Agreement, dated \_\_\_\_\_, 2015, which provides for: (a) the joint representation of one Party by counsel for the other Party in certain matters in which each Party has an interest under certain terms and conditions and (b) the execution of a Common Interest Agreement between the Parties; and

**WHEREAS**, there are certain matters, including but not limited to City of Detroit v City of Highland Park, WCCC No. 14-001974 CK, in which the Parties share a common interest and wish to provide for coordination of efforts (collectively "Matters of Common Interest"); and

**WHEREAS**, the Parties and their counsel wish to pursue their Common Interests, provide for coordinated defense and wish to avoid any suggestion of waiver of confidentiality or immunity of communications and documents protected by the attorney-client privilege, attorney work product doctrine, or any other related privilege or immunity;

**WHEREAS**, the Parties and their counsel, in pursuing their Common Interests, may wish to enlist the services of experts, consultants, advisors, or other agents, and intend for such agents to be bound by the restrictions created by this Agreement, as appropriate;

**WHEREAS**, it is the intention of the Parties that past and future communications among or between them, their counsel, or their agents related to their Common Interests are and shall remain confidential and continue to be protected from disclosure to any third party by applicable privileges and immunities, except as set forth herein; and,

**WHEREAS**, to pursue their Common Interests effectively, the Parties and their counsel also have concluded that, from time to time, their Common Interests will be best served by sharing among themselves and their agents documents, factual material, mental impressions, memoranda, data or information analyses, written or oral reports, litigation strategies, and other information, including the confidences of the Parties with counsel related to the human resources, debt and finance related aspects of the Matters of Common Interest (hereinafter "Shared Materials");

**IT IS THEREFORE AGREED** as follows:

1. Any communications made between or among the Parties, their counsel, and/or their agents with respect to the Common Interests shall be considered confidential and subject to the common interest privilege, as well as any and all other applicable privileges.

2. Except as expressly stated in writing to the contrary, any and all Shared Materials obtained by any of the Parties, their counsel, or their agents are being provided solely for use of the Parties, their counsel, and their agents in connection with the Common Interests and shall remain confidential and shall be protected, except if prohibited by law, from disclosure to any third party by the common interest privilege, attorney-client privilege, work product doctrine, and other related privileges and immunities, except to the extent waived by a Party asserting the privilege. All Shared Materials shall be used solely in connection with the Common Interests.

3. All persons permitted access to the Shared Materials will be advised that the materials are confidential, privileged, and subject to the terms of this Agreement. In addition, Shared Materials shall be marked to the extent practicable with the following (or similar) header or footer:

*PRIVILEGED AND CONFIDENTIAL  
ATTORNEY WORK PRODUCT  
ATTORNEY-CLIENT COMMUNICATION  
SUBJECT TO COMMON INTEREST AGREEMENT  
NOT SUBJECT TO DISCLOSURE UNDER FOIA*

Failure to include this header/footer will not undermine the protections afforded by this Agreement.

4. If any person or entity subpoenas, requests from any Party under the Michigan Freedom of Information Act, Act 442, Public Acts of Michigan, 1976, as amended (“Act 442”), through discovery in a judicial or administrative proceeding, or otherwise demands any Shared Materials from any of the Parties, their counsel, or their agents, such recipient of the subpoena, request, or demand shall immediately notify all of the Parties' counsel. In addition, the recipient shall take all steps necessary to assert all applicable rights, privileges, and immunities with respect to the Shared Materials to ensure that the Shared Materials remain confidential unless that confidentiality or privilege has been expressly waived in writing by the Party asserting confidentiality or privilege. If a request for Shared Materials is made from any third-party party under Act 442, the recipient shall, to the extent permitted by law, raise any and all applicable defenses and/or exemptions available to it or to any other Party under Act 442 to avoid disclosure unless the confidentiality or privilege for the Shared Materials or individual documents or communications that are part of the Shared Materials has been expressly waived in writing by the Party asserting confidentiality or privilege. The foregoing obligations shall not apply to any Shared Materials which have previously found their way into the public domain. Waiver of the confidentiality or privilege for an individual document or communication does not waive the confidentiality or privilege of all Shared Materials. The recipient also shall allow the other affected Parties a reasonable opportunity to intervene and be heard, and otherwise cooperate fully with the other affected parties in any administrative or judicial proceeding relating to the disclosure of Shared Materials.

5. The Parties, their counsel, and their agents are not obliged to communicate any independently obtained or created materials with any other Party, counsel, or agent as a result of this Agreement.

6. Either Party may withdraw from this Agreement by promptly sending written notice to the other Party, in which case this Agreement shall no longer be operative. The withdrawing Party shall comply with any request to return or destroy any Shared Materials, and shall continue to be bound by the obligations of confidentiality with respect to the Shared Materials previously furnished pursuant to this Agreement. Notwithstanding the foregoing, the obligation to return or destroy Shared Materials shall not apply to Shared Materials required to be retained by law or document retention policy or Shared Materials retained automatically, as part of a computer back-up, recovery or similar system, all of which may be retained, but subject to the terms of this Agreement.

7. If a Party inadvertently produces any Shared Materials provided by another Party to an entity that is not a Party to this Agreement, in a manner that is not authorized by the terms of this Agreement, such production shall not be deemed a waiver of the attorney-client privilege, the attorney work product doctrine, or any other applicable privilege or immunity of any Party hereto. In such circumstances, the producing Party must immediately notify the Party whose Shared Materials are included in such inadvertently produced Shared Materials and must further notify the receiving entity of the inadvertent production and request the return or confirmed destruction of the privileged materials.

8. If a Party inadvertently produces to any or all of the other Parties a privileged document or privileged material that was not intended to be provided under this Agreement, the production of that document or other material shall not be deemed to constitute the waiver of any

applicable privileges. In such circumstances, the producing Party must immediately notify the receiving Party of the inadvertent production, and request the return or confirmed destruction of the privileged materials. Within five days of receiving such notification, the receiving Party shall return or confirm destruction of all such documents or other materials, including any derivative works thereof. Notwithstanding the foregoing, the obligation to return or destroy a privileged document or privileged material that was not intended to be provided under this Agreement shall not apply to such information or documentation required to be retained by law or document retention policy or such information or documentation retained automatically, as part of a computer back-up, recovery or similar system, all of which may be retained, but subject to the terms of this Agreement.

9. This Agreement incorporates all prior oral understandings and it extends to all prior exchanges of Shared Materials shared in contemplation of the execution of this Agreement. This Agreement is the entire understanding of the Parties with respect to this subject matter and may be modified only by a duly signed writing.

10. This Agreement shall be governed by and construed in accordance with the laws of the State of Michigan.

11. This Agreement may not be amended or modified except by a written agreement signed by each signatory of this Agreement.

12. This Agreement may be executed in any number of counterparts, each counterpart constituting an original, but all together one and the same agreement.

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THE SIGNATURE PAGE IMMEDIATELY FOLLOWS THIS PAGE.]**

IN WITNESS WHEREOF, the undersigned have executed this Agreement effective as of the date first written above.

**City of Detroit by and through the Water and Sewerage Department**

By: \_\_\_\_\_  
Gary Brown  
Its: Director

**Great Lakes Water Authority**

By: \_\_\_\_\_  
Sue McCormick  
Its: Chief Executive Officer

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**Shared Services Agreement  
Schedule  
Legal: Litigation Legal Services (including Joint  
Defense)**



Shared Service Schedule #	LS-001-B
Service Provider	City of Detroit / Detroit Water and Sewerage Department - Retail
Service Subscriber	Great Lakes Water Authority (GLWA)
Description of Service	<p>Provide legal services for: (1) current litigation matters as identified on a list of matters in the possession of the Parties (“Legacy Litigation Matters”), and (2) future litigation matters and claims against GLWA as assigned to DWSD-R by GLWA. The Provider shall also retain any Legacy Litigation Matters which may not specifically be identified on the list of matters retained by each Party to the extent that any attorney that is currently primarily responsible for such matters will be employed by the Provider.</p> <p>Such foregoing representation includes but is not limited to Provider taking the following actions on behalf of Subscriber:</p> <ul style="list-style-type: none"> <li>• Ensure Subscriber is timely informed of current status for each matter.</li> <li>• Establish a system to enable Subscriber to make all material decisions with respect to the conduct, strategy, disposition, and representation, if outside counsel is retained, of each matter in a timely manner.</li> <li>• Maintain accurate records with respect to each assigned matter.</li> <li>• At the direction of Subscriber, take all necessary actions related to litigation, including but not limited to, negotiating settlement at the direction of Subscriber, drafting motions, briefs and other documents, appearing at hearings and trials, conducting necessary research and investigation, and retaining, with Subscriber approval, necessary experts.</li> <li>• Handle all proceedings through final disposition at the trial or administrative level, including discovery and settlement as directed.</li> <li>• Handle related appellate proceedings as assigned.</li> <li>• If directed by Subscriber, retain outside counsel to represent Subscriber, and review related billings for accuracy.</li> </ul>

	<ul style="list-style-type: none"> <li>• Establish any conflict barriers necessary for the representation.</li> <li>• Cooperate with Subscriber in all respects in the transfer of matters to new counsel, if applicable.</li> </ul>
Description of Requirements, Level of Service, Hours of Service	<p>As needed. Availability during normal business hours or as necessary to accomplish client litigation objectives.</p> <p>When the interests of each of the Parties are aligned, the Parties shall execute and deliver a Common Interest Agreement in the form attached to Schedule LS-001-A as Exhibit B.</p> <p>The Parties will execute appropriate conflict of interest waivers as necessary.</p> <p>If each Party is a named party in the matter, the Parties will execute a Common Defense Agreement as appropriate.</p> <p>Coordination with applicable GLWA departments, and third party administrators as applicable.</p>
Related Services	N/A
Assumptions, Dependencies, and Requirements	N/A
Space/Location	To be determined.
Staffing	Assigned FTEs for each matter and outside law firms.
Duration (phasing), extensions	Through resolution at the administrative/trial level, and appellate level if assigned, for each assigned matter.
Cost Methodology	<p>Costs for DWSD-R or City in-house attorneys shall be paid as-needed, on an hourly unit price basis, which shall be recorded and billed in quarter hour increments, comprising the following Service Cost elements: salaries, fringe benefits, contracted services not otherwise compensated, supplies and insurance. Expenses shall be paid upon receipt of an invoice for such expenses. Costs for outside counsel shall be paid at the contractual hourly rates, which shall be recorded and billed in 1/10 hour increments, <i>provided that</i>, the Subscriber shall have the right to pre-approve any new retainer agreements for outside counsel and any changes in existing outside counsel.</p> <p>When each Party has an interest or is a named party in the matter, the Parties shall share all costs and expenses equally.</p>
Separation Costs	The Parties do not anticipate any Separation Costs.

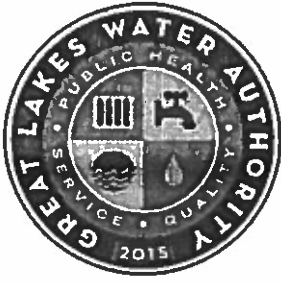
Frequency of Payment (if other than monthly)	Monthly as invoiced.
Notice of Termination of Entire Service or Element	No advance notice of termination of this Schedule or representation of any matter under this Schedule is required, however, the Parties shall endeavor to provide five days' advance written notice of termination.
Contact for City/DWSD – R	Name: Director or designee
Contact for GLWA	Name: General Counsel or designee
List of Exhibits & Attachments	None
Approved for GLWA (w/Date):	Sue McCormick (12/9/2015)
Approved for City/DWSD-R (w/Date):	Gary Brown (12/9/2015)
Effective Date:	January 1, 2016

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**Shared Services Agreement  
Schedule  
Legal: Environmental Legal Services**



Shared Service Schedule #	LS-002
Service Provider	Great Lakes Water Authority (GLWA)
Service Subscriber	City of Detroit / Detroit Water and Sewerage Department - Retail
Description of Service	<p>Provide legal counsel for environmental matters affecting Subscriber, including, but not limited to:</p> <ul style="list-style-type: none"> <li>• Ensure Subscriber is kept informed of current status for each matter, including ensuring Subscriber is informed of all necessary actions to ensure compliance with all environmental laws, rules and regulations, including all permits necessary for Subscriber’s operations.</li> <li>• Advise Subscriber on necessary actions to maintain compliance with all applicable environmental laws, rules and regulations.</li> <li>• Establish a system to enable Subscriber to make all material decisions with respect to the conduct, strategy, disposition, and representation, if outside counsel is retained, of each assigned litigation matter in a timely manner.</li> <li>• Represent Subscriber in environmental-related litigation or regulatory proceedings.</li> <li>• Keep Subscriber informed of new environmental laws, rules and regulations that affect Subscriber’s operations.</li> <li>• Establish a system to enable Subscriber to make all material decisions with respect to the conduct and strategy of each matter in a timely manner.</li> <li>• Establish any conflict barriers necessary for the representation.</li> <li>• Cooperate with Subscriber in all respects in the transfer of matters to new counsel, if applicable.</li> </ul>
Description of Requirements, Level of Service, Hours of Service	<p>As needed. Availability during normal business hours or as necessary to accomplish client objectives.</p> <p>When the interests of each of the Parties are aligned, the Parties shall execute and deliver a Common Interest Agreement in the form attached to Schedule LS-001-A as Exhibit B.</p>

	<p>The Parties will execute appropriate conflict of interest waivers as necessary.</p> <p>If each Party is a named party in the matter, the Parties will execute a Common Defense Agreement as appropriate.</p> <p>Coordination with applicable DWSD-R Departments, City Departments and third party administrators as applicable.</p>
Related Services	N/A
Assumptions, Dependencies, and Requirements	N/A
Space/Location	Water Board Building
Staffing	Assigned FTEs for each matter and outside law firms.
Duration (phasing), extensions	Service provision estimated duration: until completion of each matter.
Cost Methodology	<p>Costs for GLWA in-house attorneys shall be paid as-needed, on an hourly unit price basis, which shall be recorded and billed in quarter hour increments, comprising the following Service Cost elements: salaries, fringe benefits, contracted services not otherwise compensated, supplies and insurance. Expenses shall be paid upon receipt of an invoice for such expenses. Costs for outside counsel shall be paid at the contractual hourly rates, which shall be recorded and billed in 1/10 hour increments, <i>provided that</i>, the Subscriber shall have the right to pre-approve any new retainer agreements for outside counsel and any changes in existing outside counsel.</p> <p>When each Party has an interest or is a named party in the matter, the Parties shall share all costs and expenses equally.</p>
Separation Costs	The Parties do not anticipate any Separation Costs.
Frequency of Payment (if other than monthly)	Monthly as invoiced.
Notice of Termination of Entire Service or Element	No advance notice of termination of this Schedule or representation of any matter under this Schedule is required, however, the Parties shall endeavor to provide five days' advance written notice of termination.
Contact for City/DWSD – R	Name: Director or designee
Contact for GLWA	Name: General Counsel or designee

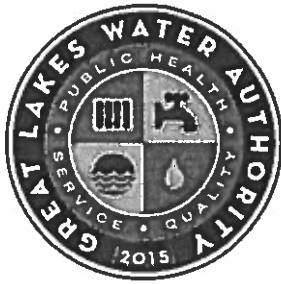
List of Exhibits & Attachments	N/A
Approved for GLWA (w/Date):	Sue McCormick (12/9/2015)
Approved for City/DWSD-R (w/Date):	Gary Brown (12/9/2015)
Effective Date:	January 1, 2016

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**Shared Services Agreement  
Schedule  
Legal: Contract Drafting and Negotiation**



Shared Service Schedule #	LS-003
Service Provider	Great Lakes Water Authority (GLWA)
Service Subscriber	City of Detroit / Detroit Water and Sewerage Department
Description of Service	<p>Represent Subscriber in the drafting of vendor and construction contracts with DWSD-R. If requested, the Provider shall also provide assistance with the negotiation of vendor and construction contracts on behalf of DWSD-R. Such representation includes but is not limited to Provider taking the following actions on behalf of Subscriber:</p> <ul style="list-style-type: none"> <li>• Ensure Subscriber is timely informed of current status for each matter.</li> <li>• Establish a system to enable Subscriber to make all material decisions with respect to contract provisions and requirements in a timely manner.</li> <li>• Maintain accurate records with respect to each assigned matter.</li> <li>• Draft all construction contracts and contracts with DWSD-R vendors.</li> <li>• Provide advice and counsel to Subscriber with respect to requests from contract counter-parties.</li> <li>• Advise Subscriber on necessary actions and contractual provisions to ensure compliance with all applicable laws, rules, regulations and DWSD-R policies related to public construction and vendor contracts.</li> <li>• Establish any conflict barriers necessary for the representation.</li> <li>• Cooperate with Subscriber in all respects in the transfer of matters to new counsel, if applicable.</li> </ul>
Description of Requirements, Level of Service, Hours of Service	<p>As needed. Availability during normal business hours or as necessary to accomplish client objectives.</p> <p>When the interests of each of the Parties are aligned, the Parties shall execute and deliver a Common Interest Agreement in the form attached to Schedule LS-001-A as Exhibit B.</p>

	The Parties will execute appropriate conflict of interest waivers as necessary.  Coordination with DWSD-R Departments and City Departments.
Related Services	N/A
Assumptions, Dependencies, and Requirements	N/A
Space/Location	Water Board Building
Staffing	Assigned FTEs for each matter.
Duration (phasing), extensions	Service provision estimated duration: until completion of each matter.
Cost Methodology	Costs for GLWA in-house attorneys shall be paid as-needed, on an hourly unit price basis, which shall be recorded and billed in quarter hour increments, comprising the following Service Cost elements: salaries, fringe benefits, contracted services not otherwise compensated, supplies and insurance. Expenses shall be paid upon receipt of an invoice for such expenses.  When each Party has an interest or is a named party in the matter, the Parties shall share all costs and expenses equally.
Separation Costs	The Parties do not anticipate any Separation Costs.
Frequency of Payment (if other than monthly)	Monthly as invoiced.
Notice of Termination of Entire Service or Element	No advance notice of termination of this Schedule or representation of any matter under this Schedule is required, however, the Parties shall endeavor to provide five days' advance written notice of termination.
Contact for City/DWSD – R	Name: Director or designee
Contact for GLWA	Name: General Counsel or designee
List of Exhibits & Attachments	N/A
Approved for GLWA (w/Date):	Sue McCormick (12/9/2015)
Approved for City/DWSD-R (w/Date):	Gary Brown (12/9/2015)
Effective Date:	January 1, 2016

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