

MASTER AGREEMENT FOR MUNICIPAL STREET LIGHTING

This Master Agreement For Municipal Street Lighting ("Master Agreement") is made between The Detroit Edison Company ("Company") and City of Rochester Hills ("Customer") as of March 31, 2013

RECITALS

A. Customer may, from time to time, request the Company to furnish, install, operate and/or maintain street lighting equipment for Customer.

B. Company may provide such services, subject to the terms of this Master Agreement.

Therefore, in consideration of the foregoing, Company and Customer hereby agree as follows:

AGREEMENT

1. Master Agreement. This Master Agreement sets forth the basic terms and conditions under which Company may furnish, install, operate and/or maintain street lighting equipment for Customer. Upon the Parties agreement as to the terms of a specific street lighting transaction, the parties shall execute and deliver a Purchase Agreement in the form of the attached Exhibit A (a "Purchase Agreement"). In the event of an inconsistency between this Agreement and any Purchase Agreement, the terms of the Purchase Agreement shall control.

2. Rules Governing Installation of Equipment and Electric Service. Installation of street light facilities and the extension of electric service to serve those facilities are subject to the provisions of the Company's Rate Book for Electric Service (the "Tariff"), Rule C 6.1, Extension of Service (or any other successor provision), as approved by the The Michigan Public Service Commission ("MPSC") from time to time.

3. Contribution in Aid of Construction. In connection with each Purchase Agreement and in accordance with the applicable Orders of the MPSC, Customer shall pay to Company a contribution in aid of construction ("CIAC") for the cost of installing Equipment ("as defined in the applicable Purchase Agreement") and recovery of costs associated with the removal of existing equipment, if any. The amount of the CIAC (the "CIAC Amount") shall be an amount equal to the total construction cost (including all labor, materials and overhead charges), less an amount equal to three years revenue expected from such new equipment. The CIAC Amount will be as set forth on the applicable Purchase Agreement. The CIAC Amount does not include charges for any additional cost or expense for unforeseen underground objects, or unusual conditions encountered in the construction and installation of Equipment. If Company encounters any such unforeseen or unusual conditions, which would increase the CIAC Amount, it will suspend the construction and installation of Equipment and give notice of such conditions to the Customer. The Customer will either pay additional costs or modify the work to be performed. If the work is modified, the CIAC Amount will be adjusted to account for such modification. Upon any such

suspension and/or subsequent modification of the work, the schedule for completion of the work shall also be appropriately modified.

4. Payment of CIAC Amount. Customer shall pay the CIAC Amount to Company as set forth in the applicable Purchase Agreement. Failure to pay the CIAC Amount when due shall relieve Company of its obligations to perform the work required herein until the CIAC Amount is paid.

5. Modifications. Subject to written permission of the respective municipality, after installation of the Equipment, any cost for additional modifications, relocations or removals will be the responsibility of the requesting party.

6. Maintenance, Replacement and Removal of Equipment. In accordance with the applicable Orders of the MPSC, under the Municipal Street Lighting Rate (as defined below), Company shall provide the necessary maintenance of the Equipment, including such replacement material and equipment as may be necessary. Customer may not remove any Equipment without the prior written consent of Company.

7. Street Lighting Service Rate.

a. Upon the installation of the Equipment, the Company will provide street lighting service to Customer under Option 1 of the Municipal Street Lighting Rate set forth in the Tariff, as approved by the MPSC from time to time, the terms of which are incorporated herein by reference.

b. The provision of street lighting service is also governed by rules for electric service established in MPSC Case Number U-6400. The Street Lighting Rate is subject to change from time to time by orders issued by the MPSC.

8. Contract Term. This Agreement shall commence upon execution and terminate on the later of (a) five (5) years from the date hereof or (b) the date on which the final Purchase Agreement entered into under this Master Agreement is terminated. Upon expiration of the initial term, this Agreement shall continue on a month-to-month basis until terminated by mutual written consent of the parties or by either party with twelve (12) months prior written notice to the other party.

9. Design Responsibility for Street Light Installation. The Company installs municipal street lighting installations following Illuminating Engineering Society of North America ("IESNA") recommended practices. If the Customer submits its own street lighting design for the street light installation or if the street lighting installation requested by Customer does not meet the IESNA recommended practices, Customer acknowledges the Company is not responsible for lighting design standards.

10. New Subdivisions. Company agrees to install street lights in new subdivisions when subdivision occupancy reaches a minimum of 80%. If Customer wishes to have installation occur prior to 80% occupancy, then Customer acknowledges it will be financially

responsible for all damages (knockdowns, etc.) and requests for modifications (movements due to modified curb cuts from original design, etc.).

11. Force Majeure. The obligation of Company to perform this Agreement shall be suspended or excused to the extent such performance is prevented or delayed because of acts beyond Company's reasonable control, including without limitation acts of God, fires, adverse weather conditions (including severe storms and blizzards), malicious mischief, strikes and other labor disturbances, compliance with any directives of any government authority, including but not limited to obtaining permits, and force majeure events affecting suppliers or subcontractors.

12. Subcontractors. Company may sub-contract in whole or in part its obligations under this Agreement to install the Equipment and any replacement Equipment.

13. Waiver; Limitation of Liability. To the maximum extent allowed by law, Customer hereby waives, releases and fully discharges Company from and against any and all claims, causes of action, rights, liabilities or damages whatsoever, including attorney's fees, arising out of the installation of the Equipment and/or any replacement Equipment, including claims for bodily injury or death and property damage, unless such matter is caused by or arises as a result of the sole negligence of Company and/or its subcontractors. Company shall not be liable under this Agreement for any special, incidental or consequential damages, including loss of business or profits, whether based upon breach of warranty, breach of contract, negligence, strict liability, tort or any other legal theory, and whether or not Company has been advised of the possibility of such damages. In no event will Company's liability to Customer for any and all claims related to or arising out of this Agreement exceed the CIAC Amount set forth in the Purchase Order to which the claim relates.

14. Notices. All notices required by the Agreement shall be in writing. Such notices shall be sent to Company at The Detroit Edison Company, Community Lighting Group, 8001 Haggerty Rd, Belleville, MI 48111 and to Customer at the address set forth on the applicable Purchase Agreement. Notice shall be deemed given hereunder upon personal delivery to the addresses set forth above or, if properly addressed, on the date sent by certified mail, return receipt requested, or the date such notice is placed in the custody of a nationally recognized overnight delivery service. A party may change its address for notices by giving notice of such change of address in the manner set forth herein.

15. Representations and Warranties. Company and Customer each represent and warrant that: (a) it has full corporate or public, as applicable, power and authority to execute and deliver this Agreement and to carry out the actions required of it by this Agreement; (b) the execution and delivery of this Agreement and the transactions contemplated hereby have been duly and validly authorized by all necessary corporate or public, as applicable, action required on the part of such party; and (c) this Agreement constitutes a legal, valid, and binding agreement of such party.

16. Miscellaneous.

a. This Agreement is the entire agreement of the parties concerning the subject matter hereof and supersedes all prior agreements and understandings. Any amendment or modification to this Agreement must be in writing and signed by both parties.

b. Customer may not assign its rights or obligations under this Agreement without the prior written consent of Company. This Agreement shall be binding upon and shall inure to the benefit of the parties' respective successors and permitted assigns. This Agreement is made solely for the benefit of Company, Customer and their respective successors and permitted assigns and no other party shall have any rights to enforce or rely upon this Agreement.

c. A waiver of any provision of this Agreement must be made in writing and signed by the party against whom the waiver is enforced. Failure of any party to strictly enforce the terms of this Agreement shall not be deemed a waiver of such party's rights hereunder.

d. The section headings contained in this Agreement are for convenience only and shall not affect the meaning or interpretation thereof.

e. This Agreement shall be construed in accordance with the laws of the State of Michigan, without regard to any conflicts of law principles. The parties agree that any action with respect to this Agreement shall be brought in the courts of the State of Michigan and each party hereby submits itself to the exclusive jurisdiction of such courts.

f. This Agreement may be executed in one or more counterparts, each of which shall be deemed an original but all of which together will constitute one and the same instrument.

g. The invalidity of any provision of this Agreement shall not invalidate the remaining provisions of the Agreement.

Company and Customer have executed this Purchase Agreement as of the date first written above.

Company: City of Rochester Hills

The Detroit Edison Company

By: _____

By: _____

Name: _____

Name: _____

Title: _____

Title: _____

Exhibit A to Master Agreement

Purchase Agreement

This Purchase Agreement (this "Agreement") is dated as of March 31, 2013 between The Detroit Edison Company ("Company") and City of Rochester Hills ("Customer").

This Agreement is a "Purchase Agreement" as referenced in the Master Agreement for Municipal Street Lighting dated March 31, 2013 (the "Master Agreement") between Company and Customer. All of the terms of the Master Agreement are incorporated herein by reference. In the event of an inconsistency between this Agreement and the Master Agreement, the terms of this Agreement shall control.

Customer requests the Company to furnish, install, operate and maintain street lighting equipment as set forth below:

1. DTE Work Order Number:	PWO#34531341	
	If this is a conversion or replacement, indicate the Work Order Number for current installed equipment: N/A	
2. Location where Equipment will be installed:	Intersection of Tienken and Sheldon roadways as shown on "Exhibit B" that is attached.	
3. Total number of lights to be installed:	16 total luminaires. 3 double luminaires installed on the 3 interior poles with 1 luminaire each for the 10 single poles.	
4. Description of Equipment to be installed (the " <u>Equipment</u> "):	16-280 watt DTE "stock" Autobahn LED luminaires installed on 13-Site Link North Yorkshire cast aluminum poles 22' in height. Four[4] poles will have two[2] breakaway banner arms. Included is the removal of 4 existing poles with a new transformer installed to provide the Underground source of power.	
5. Estimated Total Annual Lamp Charges	\$5,792.85	
6. Computation of Contribution in aid of Construction (" <u>CIAC Amount</u> ")	Total estimated construction cost, including labor, materials, and overhead:	\$125,612.80
	Credit for 3 years of lamp charges:	\$17,378.55
	CIAC Amount (cost minus revenue)	\$108,234.25
7. Payment of CIAC Amount:	Due promptly upon execution of this Agreement	
8. Term of Agreement	5 years. Upon expiration of the initial term, this Agreement shall continue on a month-to-month basis until terminated by mutual written consent of the parties or by either party with twelve (12) months prior written notice to the other party.	
9. Does the requested Customer lighting design meet IESNA recommended practices?	(Check One) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO If "No", Customer must sign below and acknowledge that the lighting design does not meet IESNA recommended practices Meets the expected criteria per customer.	
10. Customer Address for Notices:	City of Rochester Hills 1000 Rochester Hills Drive, Rochester Hills Michigan 48309 Contact: Marc Matich 248-656-4600	

11. Special Order Material Terms:

All or a portion of the Equipment consists of special order material: (check one) YES poles, arms & banner arms NO LED'S are stock items

If "Yes" is checked, Customer and Company agree to the following additional terms.

A. Customer acknowledges that all or a portion of the Equipment is special order materials ("SOM") and not Company's standard stock. Customer will purchase and stock replacement SOM and spare parts. When replacement equipment or spare parts are installed from Customer's inventory, the Company will credit Customer in the amount of the then current material cost of Company standard street lighting equipment.

B. Customer will maintain an initial inventory of at least **3 complete post assemblies with 1 set of banner arms** and **0** luminaires and any other materials agreed to by Company and Customer, and will replenish the stock as the same are drawn from inventory. Costs of initial inventory are included in this Agreement. The Customer agrees to work with the Company to adjust inventory levels from time to time to correspond to actual replacement material needs. If Customer fails to maintain the required inventory, Company, after 30 days' notice to Customer, may (but is not required to) order replacement SOM and Customer will reimburse Company for such costs. Customer's acknowledges that failure to maintain required inventory could result in extended outages due to SOM lead times.

C. The inventory will be stored at City of Rochester Hills DPW Yard. Access to the Customers inventory site must be provided between the hours of 9:00 am to 4:00 pm, Monday through Friday with the exceptions of federal Holidays. Customer shall name an authorized representative to contact regarding inventory: levels, access, usage, transactions, and provide the following contact information to the Company:

Name: _____ Title: _____

Phone Number: _____ Email: _____

The Customer will notify the Company of any changes in the Authorized Customer Representative. The Customer must comply with SOM manufacturer's recommended inventory storage guidelines and practices. Damaged SOM will not be installed by the Company.

D. In the event that SOM is damaged by a third party, the Company may (but is not required to) pursue a damage claim against such third party for collection of all labor and stock replacement value associated with the damage claim. Company will promptly notify Customer as to whether Company will pursue such claim.

E. In the event that SOM becomes obsolete or no longer manufactured, the Customer will be allowed to select new alternate SOM that is compatible with the Company's existing infrastructure.

F. Should the Customer experience excessive LED equipment failures, not supported by LED manufacturer warranties, the Company will replace the LED equipment with other Company supported Solid State or High Intensity Discharge luminaires at the Company's discretion. The full cost to complete these replacements to standard street lighting equipment will be the responsibility of the Customer.

12. Experimental Emerging Lighting Technology ("EELT") Terms:

All or a portion of the Equipment consists of EELT: (check one) YES NO

If "Yes" is checked, Customer and Company agree to the following additional terms.

A. The annual billing lamp charges for the EELT equipment has been calculated by the Company are based upon the estimated energy and maintenance cost expected with the Customer's specific pilot project EELT equipment. .

B. Upon the approval of any future MPSC Option I tariff for EELT street lighting equipment, the approved rate schedules will automatically apply for service continuation to the Customer under Option 1 Municipal Street Lighting Rate, as approved by the MPSC. The terms of this paragraph C replace in its entirety Section 7 of the Master Agreement with respect to any EELT equipment purchased under this Agreement.

Company and Customer have executed this Purchase Agreement as of the date first written above.

Company:

Customer:

The Detroit Edison Company

City of Rochester Hills

By: _____

By: _____

Name: _____

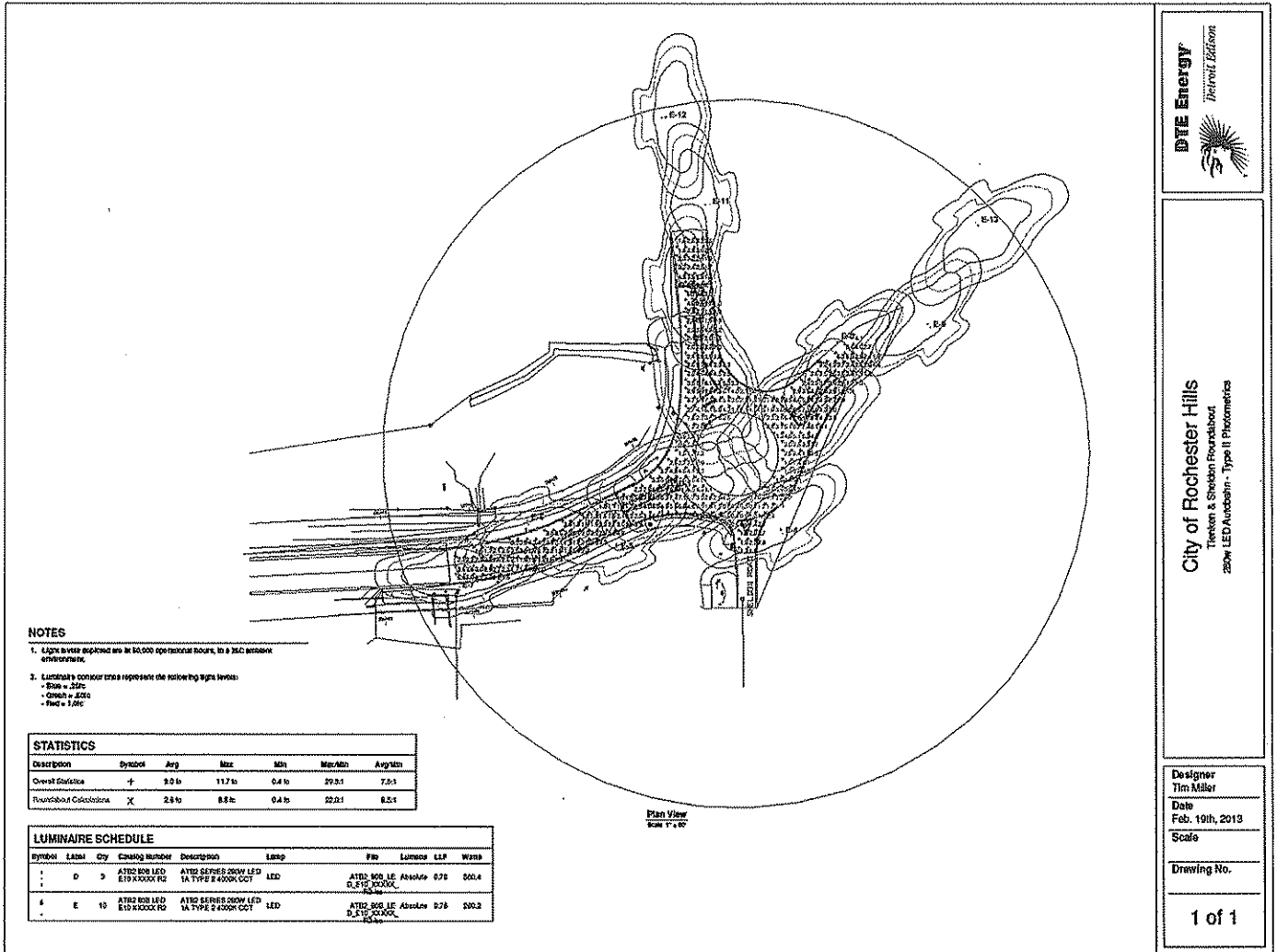
Name: _____

Title: _____

Title: _____

Attachment 1 to Purchase Agreement

Map of Location



NOTES

1. Light levels reported are at 60,000 operational hours, in a 30°C ambient environment.
2. Luminaire candela data represent the following light levels:
 - Spot = 350c
 - Street = 250c
 - Flood = 100c

STATISTICS						
Description	Symbol	Qty	Max	Min	Max/Min	Avg/Min
Overall Statistics	+	3.0 ft	11.7 ft	0.4 ft	29.2:1	7.5:1
Thoroughbred Colicistina	X	2.4 ft	8.8 ft	0.4 ft	22.0:1	6.2:1

LUMINAIRE SCHEDULE									
Symbol	Label	Qty	Change Number	Description	Lamp	Foot	Lumens	LR	Watts
+	D	3	AT102 B03 LED E10 X1000X PG	AT102 SERIES 200W LED 1A TYPE 2 4000K CCT	LED	AT102 300 LE 8.5:1 35.0c	Abs/Av	0.76	200.4
+	E	10	AT102 B03 LED E10 X1000X PG	AT102 SERIES 200W LED 1A TYPE 2 4000K CCT	LED	AT102 300 LE 8.5:1 35.0c	Abs/Av	0.76	200.2



City of Rochester Hills
Thacker & Shellen Roadside
200w LED Autoclean - Type II Photometrics

Designer
Tim Miller
Date
Feb. 19th, 2013
Scale
Drawing No.
1 of 1