

# **Memo**

**To:** Honorable Mayor and City Council  
Joe Kohlmann, City Administrator

**From:** Greg Kluver, Public Works Superintendent

**Date:** May 2, 2012

**Re:** City Hall Flag Pole Light

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Planned for in the 2012 Capital Improvement Fund budget is installing a light for the Flag Pole at City Hall.

Staff has researched two different options to provide lighting. They are listed below:

- 1. In Ground Lights-** This option would provide one light fixture at ground level which would shine up on the flag. It requires the installation of underground electrical from the east side of City Hall to the front where the flagpole is located. Trenching, purchase of the light fixture and ditch restoration would be done by the City Crew. Installation of the conduit, light and all other electrical would be done by the electrician. The attached proposal for this option from A-Electric is \$1409.00. Rental cost of a trencher would be \$200.00. Restoration cost done by City Crew for materials and the light would be another \$250.00. Total project cost would be **\$ 1,859.00. Plus tax.**
- 2. Solar Flag Light-** This option would provide one Commercial Grade Bright 100 Lux Output solar powered light. The light and solar panel would attach directly to the flag pole below the flag. This option requires no electrical work and could be installed by the City Crew. Life of the LED lamp is 10-15 years. Staff researched different solar lights and the attached light from OutdoorSolarStore.com appears to be the best application. The price is \$155.00 plus tax. Total project cost would be **\$ 155.00 plus tax.**

Attachments:

- Proposal from A- I Electric
- Proposal from OutdoorSolarStore.com
- CIP Capital Purchase Narrative.

Based on the cost and a much simpler installation. Staff is recommending approval of Option No. 2. The Capital Improvement Fund identifies \$10,000 to complete the following City Hall improvements: Brick Monuments repair, repair of concrete fascia and rear steps, painting of iron railing and lighting for the flagpole.

**Council Action Requested:**

**Motion to approve the low price from Outdoor Solar Store in the amount of \$ 155.00 plus tax. Project cost to be paid for from the Capital Improvement fund.**

A-1 ELECTRIC SERVICE OF WACONIA INC  
 170 WEST 3-1/2 STREET  
 Waconia MN 55387-1701  
 Phone: 952-442-5332 Fax: 952-442-1600

**PROPOSAL**

*ATTN: GREG KLUVER*

<b>CUSTOMER</b>	<b>PROPOSAL #</b> 719	<b>PAGE</b> 1
CITY OF TONKA BAY 4901 MANITOU ROAD TONKA BAY MN 55331-9560	<b>DATE</b>	05/02/2012
	<b>DESC</b>	OUTSIDE RECEPTACLES
	<b>LOC</b>	4901 MANITOU ROAD TONKA BAY MN 55331-9560
	<b>CONTACT</b>	GREG KLUVER
	<b>PHONE</b>	474-2947

FURNISH 3/4" PVC CONDUIT. *474-6538 FAX*  
 HELP WITH CONDUIT INSTALLATION  
 MOUNT 3- OUTDOOR RECEPTACLES AS FOLLOWS:  
 1- BY FLAG POLE CITY TO MOUNT AND PROVIDE POST.  
 1- NORTH SIDE FRONT STEPS  
 1- SOUTH SIDE FRONT STEPS  
 FURNISH AND INSTALL WIRE, WEATHER PROOF BOXES AND RECEPTACLES WITH IN-USE COVERS.  
 FURNISH AND INSTALL 1- 20 AMP BREAKER IN EXISTING PANEL.  
 RECEPTACLES TO BE CONTROLLED BY EXISTING TIME CLOCK.  
 NO TRENCHING, BORING OR BACKFILLING INCLUDED.  
 NO HAND DIGGING INCLUDED.  
 NO COMPACTION OR RESTORATION INCLUDED.  
 STATE ELECTRICAL PERMIT  
 TOTAL 1,409.00

We Propose hereby to furnish material and labor - complete in accordance with these specifications for the sum of: **1,409.00**  
 One Thousand Four Hundred Nine Dollars And 00 Cents

Payable as follows:  
**\$1,409.00 ON COMPLETION OF ABOVE ELECTRICAL WORK**

Authorized Signature: *Red Lin* Date: *5/2/12*

Note: This Proposal may be withdrawn by us if not accepted within 20 Days

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will become an extra charge, deletion of any items will become a credit, and will become an extra charge or credit over and above the estimate. All agreements contingent upon strikes, accidents or delays are beyond our control. Owner to carry fire, tornado, and other necessary insurance. Our workers are fully covered by Workman's Compensation Insurance.

**ACCEPTANCE OF PROPOSAL** - The Prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_



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Home > Solar Flag Lights > Commercial Solar Flag Light

### Commercial Solar Flag Light



MSRP: \$469.99  
Price: **\$155.00**

Quantity:  [Add to Cart](#)

#### Quantity Discounts

Quantity	Amount
3 to 10	\$148.80
11 to 100	\$142.60

[View Larger Image](#)

**Availability: IN STOCK!**

#### Shop by Price

- \$0.00 to \$75.00
- \$75.00 to \$125.00
- \$125.00 to \$200.00
- \$200.00 to \$400.00

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When will my order arrive?



[Shipping Schedule](#)

Overview	Specifications	Electricity Savings	Reviews
<h4>Commercial Solar Flag Light Overview</h4> <p>Our new commercial grade solar flag pole light is 2x brighter than any flag pole light we've seen! The new light also fits bigger poles: <b>2" - 4" diameter poles.</b></p> <p>Made by Valley Forge, this new light offers more power and staying ability with a larger solar panel and higher output.</p> <p>Includes all mounting hardware and batteries.</p> <p>The 2 extra high-output LED lights are rated for 20,000 - 40,000 hours of operation (10 - 15 years). This light will run up to 9 hours depending on conditions.</p> <p><b>Waterproof Construction</b></p> <h4>Frequently Asked Questions</h4> <p><b>Will the commercial solar flag light work on a telescoping flagpole?</b> Yes. Because they clamp to the pole itself, you will not have to bring the flag down as far as you would have to without the light. It will mount without a problem and we have sold to many satisfied customers who use telescoping flagpoles.</p>			

## 2012 Capital Purchases Narrative

### Streets CIP

#### Street Repairs - \$65,600

Seal coating	54,600
Striping and Crack Seal	3,000
General Patching	8,000

(Henn. Cty. Road Aid Allocation revenue offsets \$3,000)

Road project priorities for 2012 are as follows:

The City's goal is to sealcoat 1/3 of all streets each year in order to maximize their useful life.

Costs are based upon the same square yards as three years ago, the pricing we received this year plus an additional increase to purchase all the rock in 2011 instead of screening and reusing last years rock.

The following streets are scheduled for 2012 Seal Coating:

Tonka Bay Road, Tonka Bay Lane, West Point Road, West Point Drive, West Point Circle, West Point Court, West Point Avenue, Fairhope Avenue, Interlachen Lane, Interlachen Place, Circle Road



### City Hall/Public Works Facility CIP

#### Miscellaneous Repairs - \$10,000

Includes repairs to the Brick work on the building, monuments, fascia, railings, steps, and electrical work.

### Parks CIP

#### Lighting - \$2,700

Includes installing lighting and electrical to Wekota Park Flag (other options are available to light as well).

#### Trash Receptacles - \$2,000

This includes replace the last two remaining receptacles in the Park.

#### Court Resurfacing - \$25,000

This includes installing a Sport Court and replacing the hoops at Manitou (grant will also be applied for from Hennepin County)

#### Signs- \$8,000

This includes beginning to replace the entrance monuments and park signs.

### Equipment CIP

#### Office Equipment- \$7,000

3 new computers, monitors, installation, server battery backup, paper shredder, office furniture, etc.

#### Lawn Mower - \$7,000

This includes a walk behind mower not included in the original CIP count in 2009.