

LL2 Grant Application



Submit completed application to:

Lauren Sampedro

lauren.sampedro@vlawmo.org

Applicant Information:

| | |
|----------------------------|---|
| Organization Name: | City of Vadnais Heights |
| Project Contact: | Erin Spry, Natural Resource Specialist |
| Address: | 800 East County Road E |
| City/Township, State, Zip: | Vadnais Heights, MN, 55127 |
| Phone: | 651-204-6056 |
| Email: | erin.spry@cityvadnaisheights.com |

Project Summary:

| | |
|---|-----------------------------------|
| ESTIMATED TOTAL PROJECT COST (\$) | \$2,346.18 -\$8,177.00 |
| AMOUNT REQUESTED | \$2,111.56 |
| EXPECTED PROJECT COMPLETION (Month, Year) | 08/2024 |

PROJECT TYPE:

- Water Quality Treatment
- Stormwater Rate and Volume Control
- Groundwater Conservation
- Other

If other, please describe the proposed project: _____

Project Background:

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|---|--|
| Describe the project location and water resources that will benefit from the project. | Smart irrigation system controllers conserve water by monitoring weather conditions and adjusting irrigation schedules according to need. Smart irrigation system controllers installed at City Hall and at Kohler Park can help the City of Vadnais Heights reduce water waste in the City's maintained turf areas. This project will reduce water waste, limit runoff issues, and provide a water resource stewardship example to residents and businesses in Vadnais Heights. |
| What issues will be addressed with this project? | |

Project Background: Continued

| | |
|---|---|
| <p>Provide estimated water quality results, stormwater rate/volume reduction, or groundwater conservation benefits associated with the project.</p> | <p>"Smart irrigation" can reduce water use by 30%. Reducing water use in our parks can reduce pressure on our groundwater resources and therefore help to secure a sustainable groundwater future. The total irrigated area of both sites is 20 acres. Reducing water use in these areas are a significant step to conserving water in the VLAWMO watershed.</p> <p>Local water quality can be expected to improve via a reduction in runoff from turf areas.</p> |
| <p>Describe the public education and outreach efforts or signage planned for the project.</p> | <p>The City will notify the Vadnais Press Pubs of the Irrigation System upgrades at Kohler and City Hall. Information on the controller installation will be included in educational campaigns on Water Conservation on the City's website and on social media.</p> |
| <p>List or describe any partnerships or other forms of support for the project, including external funding sources.</p> | <p>N/A</p> |

Project Specifications:

| | | | |
|---|------------|---|------------|
| <p>TOTAL PROPERTY AREA (Acres)</p> | <p>~30</p> | <p>Total PROJECT SIZE (Sq Ft)</p> | <p>N/A</p> |
| <p>IMPERVIOUS AREA DRAINING TO PROJECT (Sq Ft):</p> | <p>N/A</p> | <p>PERVIOUS AREA DRAINING TO PROJECT (Sq Ft):</p> | <p>N/A</p> |

Required Attachments:

- ⇒ Detailed final plan set of the proposed project that includes the estimated, quantitative outcomes of the project.
- ⇒ At least 2 bids for construction of proposed project.
- ⇒ Detailed project budget estimate with itemized materials and costs that equal the total project cost.



PROPOSAL

DATE: 6/4/2024
 COMPANY: City Of Vadnais Heights
 CONTACT: Erin Spry
 PHONE: 651-204-6056
 EMAIL: Erin.Spry@cityvadnaisheights.com

EXPIRATION DATE: 3/30/2023
 SUBMITTED BY: Ryan Potvin
 PHONE: 612-366-7175

PROJECT NAME: Hunter Centralus Controller
 LOCATION: Multiple sites

| ITEM # | DESCRIPTION | Quantity | Unit of Measure | UNIT PRICE | TOTAL |
|--------|--|----------|-----------------|-------------|-------------|
| 1 | City Hall 14 zone ACC2 Controller hook to existing Flow Sensor, cell Mod | 1 | LS | \$ 2,563.00 | \$ 2,563.00 |
| 3 | Kohler Part- 42 zone ACC2 Controller, cell Mod | 1 | LS | \$ 3,925.00 | \$ 3,925.00 |
| 4 | Flow Sensor with wire to controller | 1 | EA | \$ 589.00 | \$ 589.00 |
| 5 | Service tech installation hours | 10 | HR | \$ 110.00 | \$ 1,100.00 |
| TOTAL: | | | | | \$ 8,177.00 |

NOTES AND INCLUSIONS:

Installation of controllers and flow sensor are billed at T&M. The pricing above includes the controller and the components to make it work online thru Centralus, city hall controller will take about 1.5Hr for installation, Kohler Park will take 3.5-5 hrs. to install controller and flow will take around 2-3Hr.

Please sign below for acceptance of Proposal as stated. We appreciate the opportunity to provide you with this proposal and look forward to working with you. Please feel free to contact me with any questions.

SIGNATURE: _____
 NAME: _____
 TITLE: _____
 PHONE: _____
 DATE: _____



HORTICULTURE SERVICES

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info@horticultureservices.com
www.horticultureservices.com

Proposal

| Customer Purchase Order | Proposal No. | Date |
|-------------------------|--------------|-----------|
| | 13436 | 6/11/2024 |
| Job | Account No. | Terms |
| City of Vadnais Heights | | |

Project:
City of Vadnais Heights

We propose to furnish the following scope of work. To be billed upon completion, applicable sales tax not included.

This proposal is for the installation of the necessary irrigation equipment for both the Vadnais Heights City Hall and Kohler Meadows Park irrigation system to access the Hunter Centralus network to allow remote control.

See the two separate sections below for information regarding the pricing and details for each location.

The pricing in this proposal assumes that both proposal sections below will be approved and completed.

Controller – City Hall

Location:
Vadnais Heights City Hall

We will replace the existing irrigation controller with a new Hunter ICC2 irrigation controller. A Hunter Wifi Communication Module will be installed on the controller to allow the controller to connect to the City Hall wifi network. By connecting via wifi, an ongoing paid subscription will not be necessary for the controller to be controlled and monitored remotely via Centralus.

This proposal includes materials and installation labor, and assumes the Wifi connection and Centralus registration will be performed by the person who will be using the controller. Let Jake at Horticulture Services know if connection assistance will be needed from us as well.

| Description | Quantity | Unit | Price/Unit | Price |
|--|----------|------|------------|--------|
| Controller, Hunter ICC2 8-Station Base | 1.00 | Ea | 578.02 | 578.02 |
| Hunter Wifi Module for ICC2 | 1.00 | Ea | 236.15 | 236.15 |
| Labor Irrigation Specialist | 3.00 | HR | 140.59 | 421.78 |
| Hunter ICC2 8-Station Expansion Module | 1.00 | Ea | 299.87 | 299.87 |

| | |
|----------|------------|
| Subtotal | \$1,535.82 |
|----------|------------|

Controller - Kohler Meadows Park

Location:

Kohler Meadows Park

The existing irrigation controller (Hunter ICC2) is compatible with Hunter Centralus and does not need to be replaced.

We will install a Hunter Cellular Communication Module on the existing ICC2 irrigation controller to allow remote control via Hunter Centralus.

This proposal includes materials and installation labor, and assumes the setup of that cellular connection and Centralus registration will be performed by the person who will be using the controller. Let Jake at Horticulture Services know if connection assistance will be needed from us as well.

Please note: An additional ongoing Hunter service plan subscription will be required for internet connectivity via the Cellular Communication Module. This service plan will need to be activated separately from this proposal.

| Description | Quantity | Unit | Price/Unit | Price |
|--|-----------------|-------------|-------------------|--------------|
| Hunter Cellular Communication Module for ICC2 Controller | 1.00 | Ea | 669.77 | 669.77 |
| Labor Irrigation Specialist | 1.00 | HR | 140.59 | 140.59 |

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|-----------------|-----------------|
| Subtotal | \$810.36 |
|-----------------|-----------------|

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|--------------------|-------------------|
| Total Price | \$2,346.18 |
|--------------------|-------------------|

Accepted:

Date

- Pricing Valid for 60 days
- Following Customer approval of proposal, changes or revisions may be subject to additional charges.
- When excavation is required, the contractor is responsible for having public utilities marked.
- Locating and marking of private utilities is the responsibility of the customer. Contractor is not responsible for damage to unmarked private utilities such as underground dog fences or private electrical wires.