

# Roseville Sustainable Steward Gold Award – Anne Frenchick and Ted Thompson Summary of actions Sustainable Actions

## I. Community Involvement

- ✓ Adopted two storm drains near 449 Woodhill Dr.



## II. Energy Efficiency

- ✓ Completed home insulation project: 5/8/2019.  
Installed R30 blown cellulose over existing insulation in attic to bring R value to R50.

Century Insulation Inc.  
7944 University Ave NE  
Fridley, MN 55432  
(763) 270-8765  
info@centuryinsulation.com  
www.centuryinsulation.com

ADDRESS  
Anne Frenchick  
449 Woodhill Dr.  
Roseville, Mn 55113

SHIP TO  
Anne Frenchick  
449 Woodhill Dr.  
Roseville, Mn 55113

ESTIMATE 3111  
DATE 04/27/2019

SALES REP  
Benson

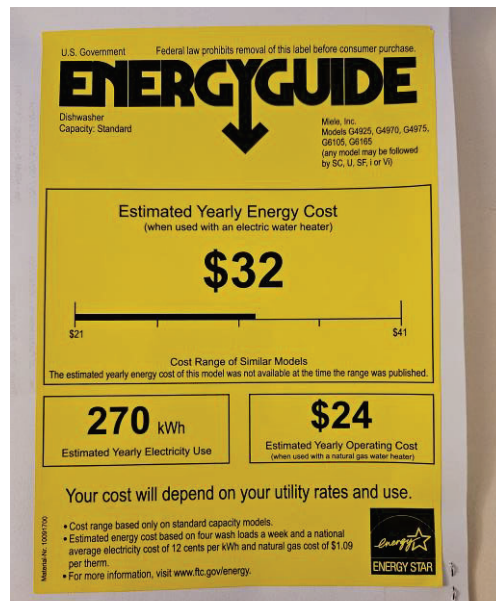
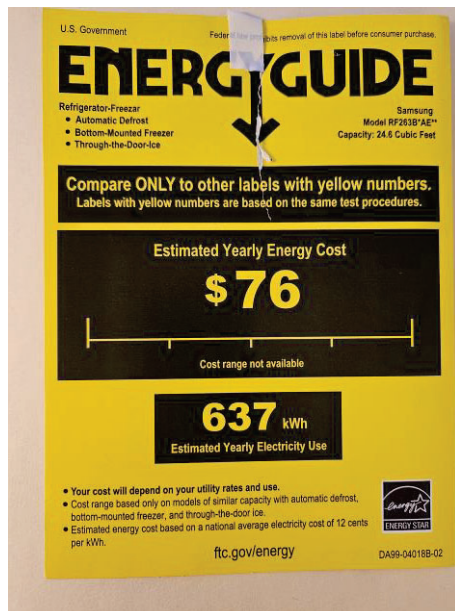
| ACTIVITY                                                                                                                                                                                                                                                                                                                                                                                         | QTY / SQ. FT. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Attic Insulation Repair:<br>Locate any bypasses/penetrations from ceiling into attic and install closed cell spray foam insulation over them. This will stop any moisture/air leaks through ceiling into attic space(s) includes ceiling fans, wires, wall/ceiling ring angles, etc.                                                                                                             | 1             |
| Install two inch rigid foam board above all drop soffit and seal perimeter with closed cell spray foam.                                                                                                                                                                                                                                                                                          | 64            |
| Clear out any debris from soffits and install 6' styrofoam chutes into roof truss cavities to pull air from soffits up through roof vents. This allows air/moisture that sits above insulation to circulate out of the attic. This also creates an ignition break between the insulation and the roof sheathing (if there are existing, inadequate chutes, they will be removed and disposed of) | 32            |
| Hand pack exterior plate line under chutes with dense pack insulation to reduce energy loss. This will reduce energy loss along edges of attic by adding the maximum R value into the space available                                                                                                                                                                                            | 63            |
| Build plywood dam around attic access opening and attach R38 fiberglass batt insulation with Tyvek house wrap to the attic access cover                                                                                                                                                                                                                                                          | 1             |
| Install R30 blown cellulose over existing insulation in attic space to bring R value to R50 - includes attic markers to measure depth of insulation. (Existing insulation was inspected and deemed adequate)                                                                                                                                                                                     | 756           |
| OPTION - ADD \$200.00 TO PRICE AT BOTTOM OF ESTIMATE IF OPTION BELOW IS ACCEPTED                                                                                                                                                                                                                                                                                                                 |               |
| Reattach Bath fan to roof with correct venting. Roof cap is present                                                                                                                                                                                                                                                                                                                              | 1             |
| *** Xcel Energy Rebate Customer ***                                                                                                                                                                                                                                                                                                                                                              |               |
| ** Angie's List Customer Discount **                                                                                                                                                                                                                                                                                                                                                             |               |
| Prep to protect work area from damage. Also includes all clean up and complete removal of insulation construction debris - ALL PERSONAL BELONGINGS IN WORK AREA MUST BE REMOVED BEFORE START OF PROJECT - IF BELONGINGS ARE NOT REMOVED FROM WORK AREA ADDITIONAL BILLING MAY BE APPLIED                                                                                                         | 1             |

SIGNATURE: *Anne Frenchick* 4/29/19

Your signature authorizes Century Insulation to perform the work listed above. Your signature also acknowledges the notification of a potential pre-claim for non-payment. If you have any questions about the work items listed on your invoice/estimate, please feel free to give us a call at 763-270-8765.



- ✓ Replaced inefficient appliances (refrigerator, dishwasher) with Energy Star rated appliances during major kitchen remodel: Winter 2017



- ✓ Installed air-source heat pump, backup furnace, and thermostat controller to replace old gas furnace and air conditioner: 12/18/2024

**BEFORE**



**AFTER**



### ***III. Renewable Energy***

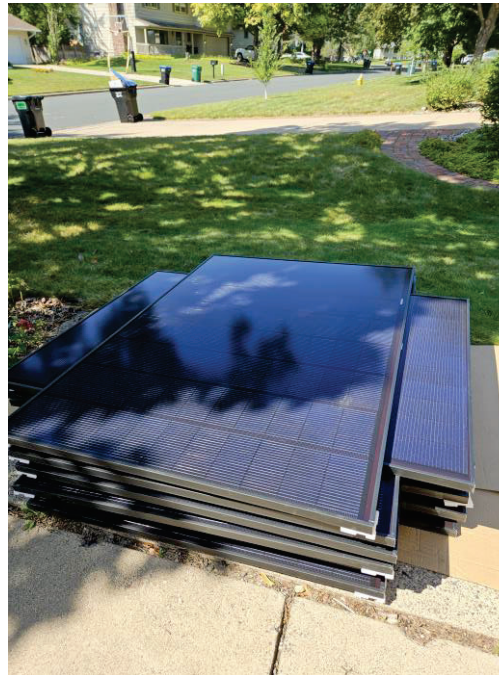
- ✓ Installed rooftop solar panels: 10/30/2024  
5.52 kW installed



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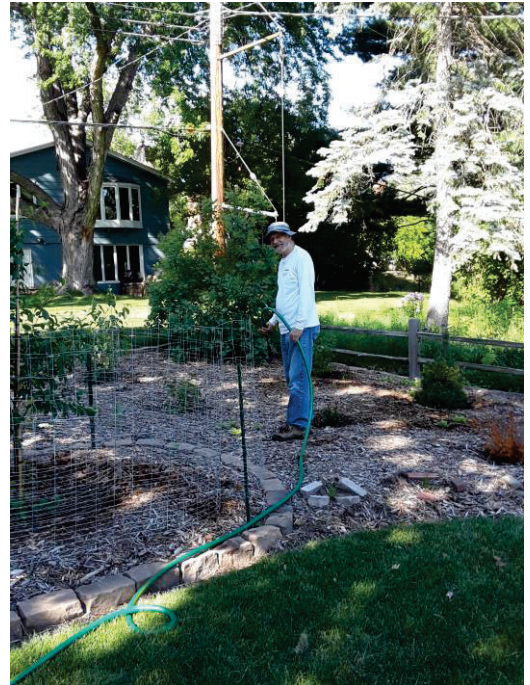


10/30/2024

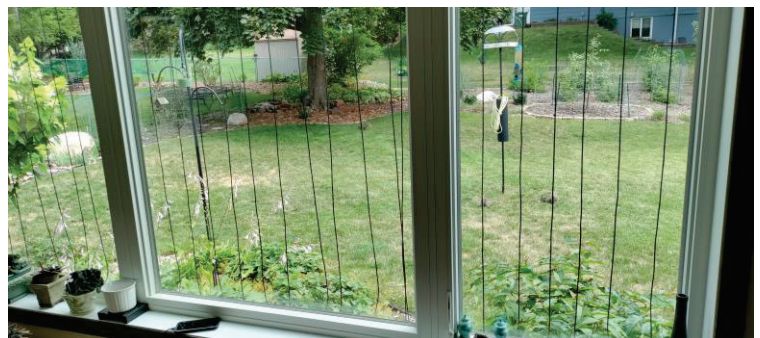
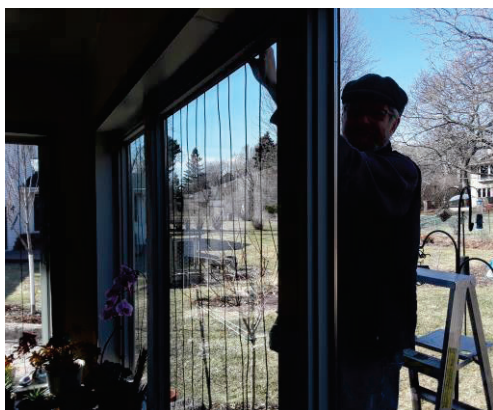


#### IV. ***Responsible and pollinator-friendly lawn care/landscaping***

- ✓ Native and climate-appropriate plantings were used in new landscaping: 2019  
In 2019, we received a Stewardship Grant for Native Habitat Restoration from Ramsey-Washington Metro Watershed District.
- ✓ Reduced turf coverage during installation of Native Habitat Restoration, 2019.



- ✓ Alternatives to herbicides and pesticides are used in yard maintenance.  
We hand pull all weeds!
- ✓ Large exterior windows were treated with bird-safe strike deterrents: 3/27/20  
We researched, made and installed “acopian strips” or “Zen window curtains” across the back and side of the house, covering approximately 35 linear feet of windows.



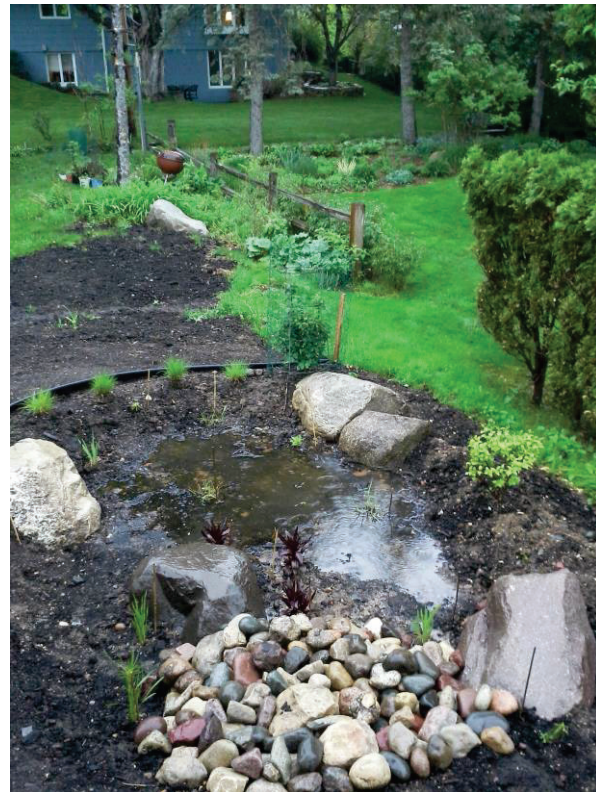
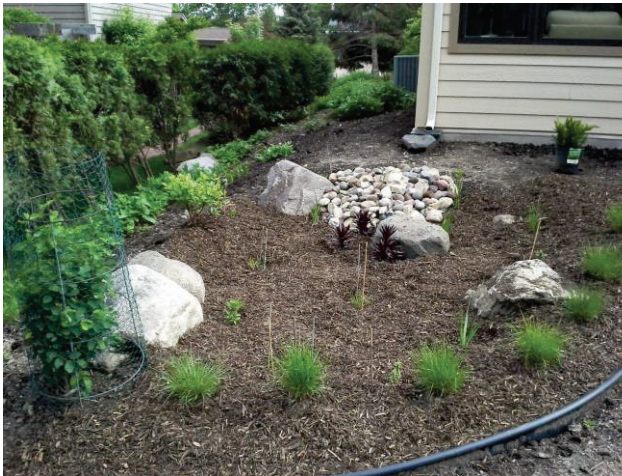
## V. *Water savings and stormwater management*

- ✓ Installed a rain barrel: 2022



- ✓ Installed a rain garden: May 2017

In 2017, we received a Stewardship Grant for Rain Garden installation from Ramsey-Washington Metro Watershed District.



Provide a brief summary of request including items such as a description of your property, reason for doing the project, and project timeline. Use additional sheets if necessary. ¶

¶ Install a raingarden on east edge of lot at 449 Woodhill Dr, Roseville as part of a landscape rehab following a house addition. We are in the Lake Owasso Subwatershed, District 2. There is a small pond just south of us that gets runoff from our street. ¶

¶ We want to divert the water from the roof to vegetation that will reduce/stop runoff to the street. Selected vegetation will attract birds and insects. ¶

Project will be started as soon as the application is approved and will be completed spring and early summer of 2017. ¶

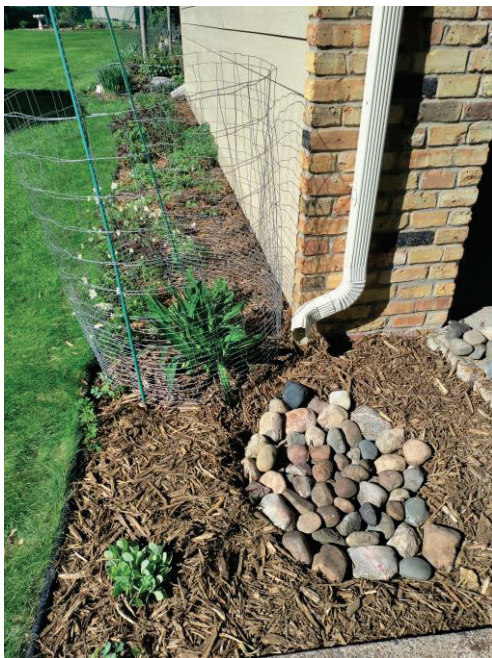
- ✓ Under downspouts without a raingarden, we created depressions lined with rocks to abate the runoff of rainwater to the street.



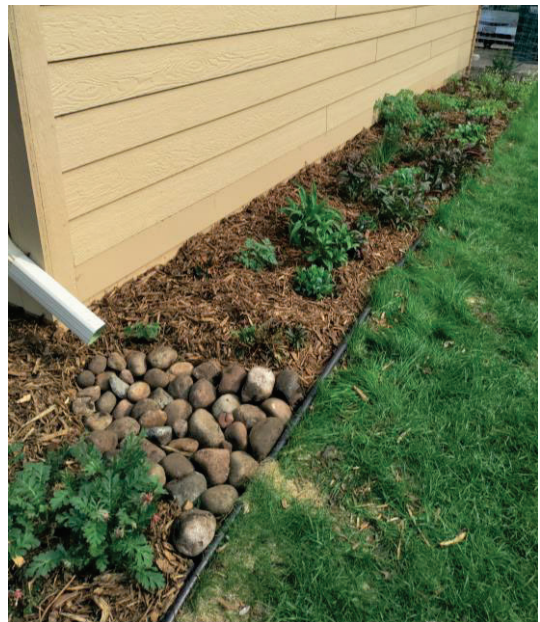
**BEFORE** (Front of garage)



**AFTER**

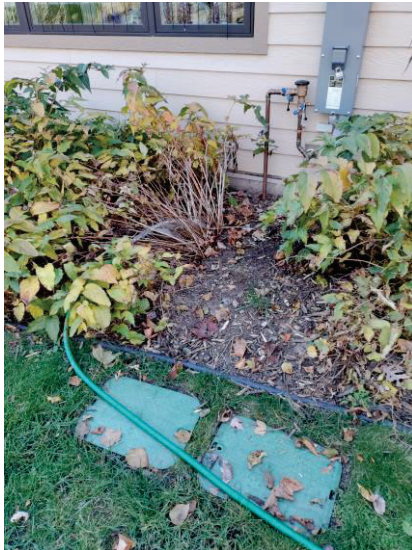


**AFTER**



**Back of Garage**

- ✓ Installed smart irrigation system and controller: 10/10/2022. The system waters only when it has not rained or is not expected to rain.



Irrigation system control


**Albrecht Company**

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July 18, 2022

Anne Frenchick  
449 Woodhill Drive  
Roseville, MN 55113

**Updated Proposal for Lawn Irrigation System**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| <b>Base Bid</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>\$4,298*</b>   |
| <b>Estimated quantities:</b> <ul style="list-style-type: none"> <li>( 1 ) Hunter HPC 4 station Wi-Fi enabled controller with ( 2 ) 3 station modules</li> <li>( 1 ) Wireless rain sensor</li> <li>( 6 ) Hunter model PGV 1" remote control valves</li> <li>( 7 ) Hunter PGP Ultra 4" rotor</li> <li>( 25 ) Hunter ProS 4" spray head with MP Rotator nozzle</li> <li>( A/R ) 100# High density polyethylene pipe – size as required</li> <li>( A/R ) #18-12 multi conductor direct burial control wire</li> </ul> |                   |
| <b>Alternate #1 – Add Irrigation to North Garden</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>\$369*</b>     |
| <b>Estimated quantities:</b> <ul style="list-style-type: none"> <li>( 1 ) Hunter model PGV 1" remote control valves</li> <li>( 4 ) Hunter ProS 12" spray head with MP Rotator nozzle</li> <li>( A/R ) 100# High density polyethylene pipe – size as required</li> <li>( A/R ) #18-12 multi conductor direct burial control wire</li> </ul>                                                                                                                                                                        |                   |
| <b>Plumbing Estimate</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>NTE \$680*</b> |
| * Not to exceed cost to install 1" PVB for supply of irrigation system based on the use of our preferred plumbing contractor (Signature Mechanical). You are also welcome to use the services of your own preferred plumber.                                                                                                                                                                                                                                                                                      |                   |

**\*NOTES:**

- Bid to 1" copper point of connection by others (see plumbing estimate)
- Electrical outlet for controller by others (existing outlet)
- Subject to changes for irregular unexcavated contingencies, such as rocks and debris.
- Private utilities located by others
- Property line established by others
- Quote is based on available water flow rate of ( 12 ) gallons per minute and static pressure of ( 70 ) p.s.i.

This proposal may be withdrawn by Albrecht Co. if not accepted within 15 days. Please feel free to call me for verification.  
Acceptance of proposal: The above prices, specifications and conditions are hereby accepted. You are authorized to do the work as specified. Payment will be 10% down and the balance on full upon completion. Albrecht Company's bid does not reflect any costs for bond or no payment. A 2.5% service fee will be added to any payments made by credit card.

Signature: *Anne Frenchick* Date of acceptance: *7/18/22*

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## VI. Transportation

- ✓ We drive hybrid vehicles: 2009 Toyota Prius and 2014 Prius V

## VII. Recycling

- ✓ We recycle all organic waste/food scraps. Location: 2580 Dale St. N
- ✓ We bring leaves to the 2580 Dale St site for composting.
- ✓ Deconstruction techniques were used to salvage materials suitable for reuse during our kitchen remodel and 500 square foot addition add-on in 2016-17. We did the demo and salvaged the following materials:

The (now unused)\_chimney flue for the old gas furnace and gas water heater was deconstructed and the **cylindrical clay flue liners** were carefully removed from the attic, first and second levels, and the basement. Terra cotta flue liners **were reused in landscaping as planters**.



Chimney flue in attic



Clay flue liners as landscape planters

- ✓ We deconstructed the old deck and salvaged the 2x10" deck support joists, which were used in a construction project off-site.

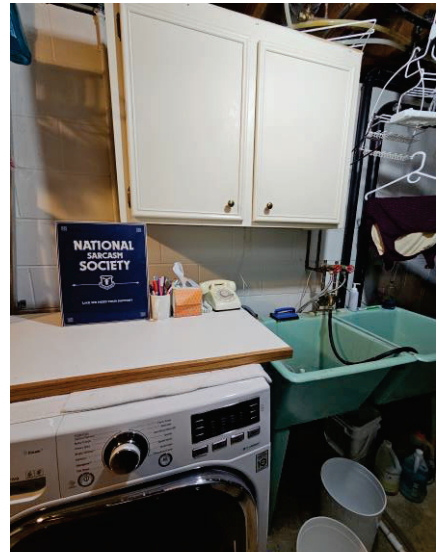


- ✓ During the kitchen remodel, we salvaged the used but still serviceable garbage disposer (contrary to the builder's recommendation) stored it in water to prevent the rubber gaskets from drying out, and reinstalled the garbage disposer ourselves in the new kitchen sink in 2017. It still works fine.

- ✓ We salvaged the old kitchen cabinets and installed them in the basement and garage for storage.



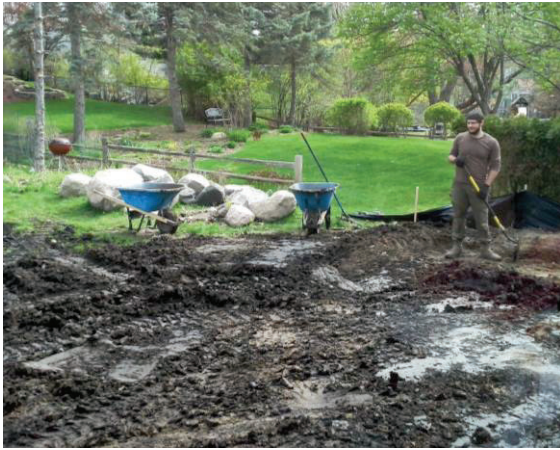
Old kitchen during demo



Basement Storage



- ✓ During excavation for the house addition (fall 2016), over 20 landscape-size boulders were dug up, reserved, and used in our landscaping the following year.



- ✓ During our landscaping of the east and northeast side of the house, we used unwanted landscaping materials given away on the Facebook page Buy Nothing to construct a 90-foot long flagstone path. Over two years we salvaged and collected pea gravel, leveling sand, and flagstones from various donors in Roseville and installed them alongside our house.

