GREEN TEAM MEETING

Sunday, October 22, 2023

Present: Terry Potter, Tom Meyer, Jan & Neal Flora, Barbara Faidley, Melissa Haynes, Brian Peterson, Pat Spangler, Eric Abbott

1. Lighting Upgrades in church Office - Ken

New generation LED lighting in the 2 offices, meeting room & kitchen.

Estimate: $100 - $200 for 1 to 2 boxes of 20 lamps.

(Not sure if fixtures are 1 or 2 lamps).

Funding: Ken will write a proposal to Property Team & Executive Team to use Memorial Money.

Ken will need 1 volunteer to help with installation.

Payback will be after 22 months.

1. Solar Panels on Fellowship Hall - Tom

RE-volv offers Power Purchase Agreements. They would install, repair and own the solar panels for 20 years. 12 – 15 KW could be installed on the Fellowship Hall roof. It would be paid for by Cost Sharing. Ames UCC would pay them back by selling the electricity to City of Ames. We wouldn’t have to do a fund raiser.

 After 20 years the panels would be paid off and Ames UCC would own them.

**Tom** will obtain monthly electricity bills for the past year and inquire at City of Ames the amount we would be reimbursed/KW. Ames has cheap electricity 5.5 cents/KW hour. (Other states 14 cents/KW hour)

People with solar panels on rooves reported no hail damage to the panels this past summer. Tom said that adding solar panels to his roof did NOT affect his homeowners’ insurance.

Concerns: Does Fellowship Hall roof get too much shade from Office and main church for solar panels? Would the flat roof need to be replaced before adding solar panel? (Cost a major concern.) Panels would have to be mounted at an angle rather laying flat on the roof. (Derecho damage in the future?)

Cost for structural engineer (about $1000). Funding from Memorial Funds?

Decorah Lutheran Church is a 100% renewably powered facility. Jim and Liz who spearheaded this effort, are willing speak to a gathering Ames area congregation Green Teams.

https://energydistrict.org.2023/08/moving-the-needle-how-one-rural-congregation-electrified-its-building-and-secured-its-future/

1. **Water Filling Station** - Terry

New unit would be handicapped accessible with 2 water fountains and a water filling tap.

Terry contacted Mark Speck, Plumber & he found the drain. Monday he will make another call to the church. Unit would need power & possibly wiring for a 110 box. Drywall would need repair where the old fountain would be removed.

Concerns – Cost of power consumption per year. Be sure pipes/wiring would be accessible for future maintenance or repairs.

Estimated cost $2000 + for water unit plus $1000 for installation. Memorial Money would possibly be used to purchase unit with repairs from Building Maintenance Fund.

Terry will do further research and email new information to Green Team, Pastor Hannah and Nick Howell.

1. **Holy Heat Pumps!** A *Webinar on heat pumps for Faith Communities will be held on October 25 at Noon Central time. If you can’t attend you can sign up for a recording.* Sarah Paulos, Interfaithpowerandlight.salsalabs.org
2. **Next meeting** – November 12

No meeting in December

1. Newsletter deadlines – October 30 (November newsletter), November 27 (December newsletter), January 1 (January’s)