



SEPA Synod Care of Creation Ministry Microgrant Application

Complete and submit to:

Care for Creation Ministry Team

Email: CreationCareTeam@sepa.org

If you would like assistance completing this application, please contact CreationCareTeam@sepa.org

Congregation: [Evangelical Lutheran Church of Durham](#)

Name: [Mark Mattsen](#)

Address: [PO Box 100, Durham, PA 18039](#)

Phone Number: [610-346-8500](#) Email: demo@durhamlutheran.org

Conference (include county if different than the conference):

[Upper Bucks](#)

Pastor (Name, Pronouns, Email):

[Rev. James Heckman](#)

Project Name: [Fellowship Hall lights](#)

Project Leader(s):

Person 1 (Name, Pronouns, Email, Phone):

[Mark Mattsen](#), demo@durhamlutheran.org, 484-316-0606

Person 2 (optional) (Name, Pronouns, Email, Phone):

Project Timeline:

Start: [05/ 01/ 2025](#) End: [05/ 15/ 2025](#)



Project Description:

Please attach the quote for this project, and any additional information, as needed. Only projects with quotes will be reviewed.

Quote attached

1. Please describe the project for which a microgrant of up to \$1000 is requested. [Note: priority is given to lighting upgrade projects with the highest percentage reduction in electricity usage (kWh), which can be determined by a free PECO/PPL energy audit.] [100 words or less]

Replace incandescent and fluorescent lights in Office, Fellowship Hall, Stage, Stairwells, Narthex, Library, sacristy and outdoors with LED bulbs.

Sanctuary and steeple lights were previously replaced with LED lights.

2. Please describe the environmental/sustainability impact of your project. [Note: please email CreationCareTeam@sepa.org to ask questions. It is not desired that this section be a barrier for application.] [100 words or less]

By upgrading our remaining lighting to LED we will reduce the energy used in the operation of our church to make the building more sustainable. We will be closer to meeting the goal of reducing our CO2 emissions by 50% by 2030 from 2008 levels as targeted by the ELCA.


3. If an energy reduction project is done, how much energy will it save (kWh, CCF of natural gas, or gallons of fuel oil)? What is the percentage of energy usage of the same type that would be saved?

Approx 2,822 Kilowatts/yr and 1,678 pounds of CO2/yr, 14% of church energy usage (yearly savings/total usage *100%)

See the attached worksheet.

4. How will this project impact your church community or the wider community? [100 words or less]

Cost reduction for operating lighting, reduced impact on the environment due to energy savings, less frequent maintenance, and removal of mercury hazard.

5. Are other partners involved in this project? Yes ☒ No ☐ If so, please identify them  and their role:

Partnering with Met-Ed lighting discounts for small businesses

6. Are you applying for or have you received other funds for this project? Yes ☒ No ☐
If so, please specify amount(s) and source(s):

Congregation members have donated \$600 to the project.



SEPA Synod Care of Creation Ministry
Microgrant Funding Determination

Status ☒ Approved

Approved by: Ken Anderson

Approval Date: 04/30 /2025

Approved amount: \$ 1,000.00

☐ Needs Modification

Please make the following Modifications and resubmit:

☐ Not selected, eligible for the next round

☐ Ineligible for funding



**SEPA Synod Care of Creation Ministry
Microgrant Report**

Date Report Submitted: 06/15/2025.

*(This report is to be submitted **within 30 days of the completion of the project, this date can be extended depending on project and approval by the Care of Creation Ministry Team .)***

Church Name and Address:

Evangelical Lutheran Church of Durham
Address: PO Box 100, Durham, AP 18039

Contact Name, Phone Number, and Email:

Name: Mark Mattsen
Phone Number: 610-346-8500 Email: demo@durhamluthran.org

Project Name: Fellowship Hall lights

Explanation of How the Funds Were Used:

(attach additional information as needed and include receipts for purchases or services performed, photos of work accomplished, etc.)

See attached.

Additional Information:

The installation was done at no cost, so we are returning the unused funds.

Microgrant Funding Received: \$1,000.00

Total Amount Used: \$ 490.00

Amount of Grant Remaining, if any: \$ 510.00

(The remaining amount needs to be returned to the Care of Creation Fund. Please write a check payable to "SEPA Synod" and on the Memo line write, Care of Creation Fund ATTN: Mr. Martin Schwab, Senior Accountant.)

[Email this report to the Care of Creation Ministry Team: CreationCareTeam@sepa.org.]

Attachment :

Lighting Upgrade Worksheet

Info required from church				This information should be provided by the free quote from utility energy rep											
Location	Hours used per month	# of bulbs	Type (Incadescent, Fluorescent)	Total Cost	Old Monthly Kilowatt hours	New Monthly Kilowatt hours	Monthly Kilowatt Hour Savings	Hours usage/yr	rated hours of bulb	Monthly cost savings	Annual savings	Payback period (years)	Usage hours until payback	Is bulb life longer than payback time?	
Fellowship hall	80	100	F	\$ 2,601.00	256.0	96.0	-160.0	960.0	30000	\$(24.00)	\$(288.00)	9.0	8670	Yes	
Stage	80	12	F	\$ 312.12	30.7	11.5	-19.2	960.0	30000	\$ (2.88)	\$ (34.56)	9.0	8670	Yes	
Stairwell-1	40	3	In	\$ 7.59	12.0	1.7	-10.3	480.0	30000	\$ (1.55)	\$ (18.58)	0.4	196	Yes	
Stairwell-2	20	2	In	\$ 63.48	4.0	0.8	-3.2	240.0	30000	\$ (0.49)	\$ (5.83)	10.9	2612	Yes	
Sanctuary-center	20	36	F	\$ 91.08	16.6	10.1	-6.5	240.0	30000	\$ (0.97)	\$ (11.66)	7.8	1874	Yes	
Sanctuary Sides	20	22	F	\$ 55.66	10.1	6.2	-4.0	240.0	30000	\$ (0.59)	\$ (7.13)	7.8	1874	Yes	
Rest Rooms	80	8	F	\$ 208.08	20.5	7.7	-12.8	960.0	30000	\$ (1.92)	\$ (23.04)	9.0	8670	Yes	
Sacristy & Library	40	4	F	\$ 104.04	5.1	1.9	-3.2	480.0	30000	\$ (0.48)	\$ (5.76)	18.1	8670	Yes	
Outdoor Lights	10	8	In	\$ 20.24	8.0	1.1	-6.9	120.0	30000	\$ (1.03)	\$ (12.38)	1.6	196	Yes	
Office	60	4	F	\$ 104.04	7.7	2.9	-4.8	720.0	30000	\$ (0.72)	\$ (8.64)	12.0	8670	Yes	
Narthex/lift	80	10	In	\$ 15.18	11.0	6.7	-4.3	960.0	30000	\$ (0.65)	\$ (7.78)	2.0	1874	Yes	
					Old Monthly Kilowatt hours	New Monthly Kilowatt hours	Monthly Kilowatt Hour Savings				Annual savings				
Whole project				\$ 3,582.51	381.7	146.5	-235.2				\$ (423.36)				
					This information should be provided by the free quote from utility energy rep										
					Monthly Kilowatt hours	381.7	146.5	-235.2							
					Monthly Cost	\$ 57.26	\$ 21.98	\$ (35.28)							
					Annual Kilowatt hours saved			(2,822)							
					Annual Savings			\$ (423.36)							
					Overall Payback period (years)			8.46							
					Pounds of CO2 saved per year			(1,678)							
					Total electricity usage of church (kWh/yr)			20,000							
					Percentage electrical savings			-14%							