

**Champlain College Green Revolving Fund
Annual Report 2021-2022**



Initiated in 2013, the [Champlain College Green Revolving Fund](#) (GRF) is an investment fund that finances energy efficiency, renewable energy and other sustainability projects on campus. The Fund provides capital for special projects conducted by Physical Plant that reduces environmental impact and can repay the fund with cost-savings within five to ten years. A portion of these savings are used to support a subsidiary Green Community Fund that finances smaller community-led sustainability projects which may lack monetary savings but are in clear alignment with Champlain College's sustainability objectives.

Green Revolving Fund Committee members:

Christina Erickson (Staff, Center for Service & Sustainability), Tim Van Woert (Staff, Physical Plant), Nic Anderson (Staff, Transportation/Auxiliary Services), Matthew Annis (Staff, Finance), Regina Farrell (Staff, Advancement) Lindsey Godwin (Faculty, SSB), Robin Collins (Faculty, ITS), Nicole Morris (Faculty, SSB), Sawyer Zundel '22, Simon Chirichiello '23, Brody Mueller (Staff), Valerie Esposito (Faculty, EHS), Whitney Feininger (Staff)

Committee's Charge: to advise and manage the College's [Green Revolving Fund](#), an investment fund that finances energy efficiency, renewable energy, and other sustainability projects on campus.

Green Revolving Fund Projects funded in 2021-2022

The funding for these projects are a loan and will be paid back, as detailed in the [GRF guiding document](#).

Project	Who	When	Description	Amount Granted	Expenses to date	Estimated KWH Saved/Year
none						
Subtotal					\$0	0 KhW

Community Fund projects funded in 2021-2022

The funding for these projects are a grant and do not need to be paid back, as detailed in the [GRF guiding document](#).

Project	Who	When	Description	Amount Granted	Expenses to date
Indoor Air Quality Analytics	Kylie King	Spring semester	Purchases several monitors to conduct indoor air quality measurements with Business Analytics course. Students designed experiment and evaluated over the semester . Going to be in used again in Fall 2022 class.	\$2600	\$2610
Hydro-Pi-Nics	Sam Johnson & Connor Merchant	Spring semester	Supplies to set up a small hydroponic vegetable growing system controlled and monitored by Internet of Things (IoT) systems as part of their ITS Capstone project.	\$500	\$506.43
Aquaponics: Ecological Elucidation	Kyle Harrison	Spring Semester	Supplies to set up a Aquaponics= aquaculture and hydroponics system as part of his ENP Capstone Project	\$4500	\$4292.60
Energy Sensor for President's House	Facilities team	Spring Semester	A pilot to submeter electricity at the President's house, which is currently tied to an account with several buildings.	\$300	\$299
Subtotal					\$7,708.03
TOTAL					\$7,708.03
Income (Burlington Electric rebates, etc.)					\$0
Loan repayments from Physical Plant projects					\$10,495.87
Remaining balance in GRF as of 9/23/22, according to GRITS tracking tool					\$69,665

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Key Financial Metrics

Total Fund Value TOTAL FUND VALUE \$ 110,066	Available Balance ACTUAL AMOUNT \$ 69,665	Invested and Saved GREEN REVOLVING FUND Invested: \$ 61,299 Saved: \$ 31,194
Currently Invested CURRENTLY INVESTED \$ 40,400	CURRENT PROJECTION \$ 73,666 END OF FISCAL YEAR PROJECTION \$ 80,276	

Fund Performance

NUMBER OF PROJECTS FUNDED TO DATE	MEDIAN ANNUAL ROI	MEDIAN PAYBACK PERIOD (YEARS)	MEDIAN UNIT COST PER MTCO ₂ E ABATED	WATER REDUCED TO DATE (GAL)	ABATED CARBON EQUIVALENT EMISSIONS (MTCO ₂ E) TO DATE	ENERGY REDUCED TO DATE (MMBTU)
7 / 0	0.76%	9.29	\$ 323.70	0	91	760



Screenshot from GRITS - 9/23/22