



*GRITS and Green Global Solutions (Aotearoa) together making a difference for people & planet*

GRITS is an easy-to-use platform designed to help institutions analyze, track, and share the energy, financial, and carbon-saving impacts of their sustainability projects. More than 900 institutions in the United States, New Zealand, Australia, Canada, and the United Kingdom use GRITS to advance their sustainability goals.

Through better project tracking, GRITS helps institutions accelerate investment in energy efficiency and other sustainability projects resulting in lower carbon emissions, reduced resource consumption, and greater financial savings.

## Benefits

- **Plan for the Future:** Develop detailed plans to reduce emissions, energy, water, waste, and utility costs.
- **Share and Compare:** Use the GRITS Library with thousands of completed projects for benchmarking for NGOs and non-profits.
- **Build the Business Case:** Robust financial metrics and real-world data from hundreds of other institutions.
- **Foster Participation:** Empower stakeholders to track projects. Report results to key decision makers.
- **Save Time:** Intuitive streamlined interface allows quick project entry and report generation in minutes.
- **Track Savings:** Calculate energy, carbon, and financial savings as well as payback period and ROI.
- **Improves through Feedback:** Continuous updating with new features based on user recommendations.
- **Customisable:** New Zealand and Australia emissions factors, NZD and AUD currency and metric units.
- **Affordable Pricing:** Sliding scale pricing model based on features and institution/company size. Starts at \$100 NZD per month for NGOs and nonprofits.

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Dashboard Projects Facilities Consumption Library People Reports Goals

Details Notes Cover Photo / Attachments 1 Custom Settings

Green College Added 06/04/2020 SHOW TAGS

Copley Hall Lighting Retrofit

ARCHIVE GENERATE PDF SHOW PUBLIC URL COPY DELETE Sharing On Custom Settings Off

**Overview**

Status (Required) Completed Project Lead The Editor

Description (Required) Changed 62 fixtures from T-12 to LED. Allowed us to reduce number of bulbs and change them less often, resulting in maintenance savings as well. GreenBeam LEDs were used and purchased in bulk.

Project Types (Required) Lighting Lighting upgrade/retrofit

Facilities Add a new building to project and campus. NEW BUILDING

Cost Proposed (Required) \$ 25,000.00

**Performance**

Savings Over Time

	FINANCIAL SAVINGS (\$)	MEDIAN TO DATE PROJECT	TOTAL TO DATE PROJECT	LIFE OF PROJECT
FINANCIAL SAVINGS (\$)	8,500	38,840	72,905	
ENERGY SAVINGS (MMBTU)	307	1,473	2,764	
EMISSIONS ABATED (MTCO <sub>2e</sub> )	25.2	120.8	226.8	

**Financial Metrics**

INTERNAL RATE OF RETURN (IRR)	UNIT COST PER MTCO <sub>2e</sub> ABATED	ANNUAL ROI	NET PRESENT VALUE (NPV)
29.40%	\$ 110.22	21.3%	\$ 25,672.81

Project Transactions

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Dashboard Projects Facilities Consumption Library People Reports Goals

7 Projects Bulk Upload Projects (.csv/xls) Download All Projects (.xls) Search

Filters Project Types Select (0/3) ADD PROJECT

Facilities Select (1/1)

Install Complete Date 2014 2014-2018 2019

Cost (\$) 7k-25k 25k

Payback Period 2.0yrs-3.3yrs 3.3yrs

Tags (0/0) Sharing (0/0) Status (0/0) Resource Type (0/0)

Legend 0 Project(s) Selected

		MEDIAN ACTUAL OR PROJECTED				ANNUAL ENERGY SAVINGS	
COST	ANNUAL ROI	PAYBACK PERIOD	LEADTIME	ANNUAL FINANCIAL SAVINGS	ANNUAL EMISSIONS ABATED		
\$ 20,000	21.3%	3.1 years	9.0 years	\$ 8,100	25 MTCO <sub>2e</sub>	307 MMBTU	

Note: Median savings are calculated based on only projects with relevant savings. Modify the calculations on this page by changing your statistics settings HERE

		TOTALS				ANNUAL ENERGY SAVINGS	
COST	ANNUAL COST SAVINGS	TOTAL TO DATE (70% SAVINGS)	ANNUAL EMISSIONS ABATED	TOTAL TO DATE EMISSIONS ABATED	ANNUAL ENERGY SAVINGS		
\$ 119,000	\$ 42,000	\$ 191,855	125 MTCO <sub>2e</sub>	574 MTCO <sub>2e</sub>	1,525 MMBTU	6,988 MMBTU	

Table Map

		Actual or Projected				Annual Savings			
PROJECT	STATUS	INSTALL COMPLETE DATE	TYPE	COST	ANNUAL ROI	PAYBACK (YRS)	EMISSIONS (MTCO <sub>2e</sub> )	ENERGY (MMBTU)	WATER (GAL)
Copley Hall Lighting Retrofit	In-Progress	09/16/2015	Lighting	\$ 25,000	21.3%	3.1	25	307	0
Francis Hall Upgrade	In-Progress	09/16/2015	Lighting	\$ 25,000	21.3%	3.1	25	307	0

More information available: [www.gogrits.org](http://www.gogrits.org) | For a quote or demo: [support@gogrits.org](mailto:support@gogrits.org).

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