

# Zero Landfill Initiative

Helmer Scientific, Noblesville, IN

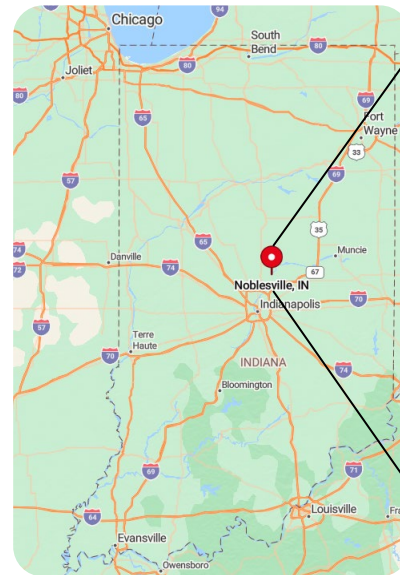


# Site Overview

- Helmer headquarters includes approximately 137,000 square-foot corporate office, manufacturing, and distribution facility on a 10-acre parcel in Noblesville, Indiana, across the street is currently used as a warehouse and distribution center but is flexible for future growth opportunities.
- Current location houses multiple disciplines of manufacturing, engineering, sales, finance, and human resources
- 235 Manufacturing Employees
- 430 Total Employees



14515 BERGEN BLVD



Central Indiana

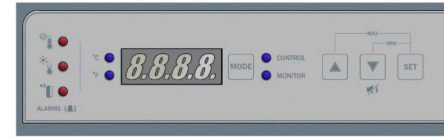


Noblesville, Indiana

14400 BERGEN BLVD

# Main Products / Functions

- Horizon or iSeries technology
- Eight various sizes of refrigerators, four sizes of freezers and one size ULT
- Partnerships with Becton Dickinson (BD), Haemonetics, and CVS
- Helmer provides cold storage solutions to hospitals, clinics, pharmacies, laboratories and blood banks.



**Horizon Series**



**i.Series**



**HAEMONETICS®**



Refrigerators, Freezers and ULTs  
Platelet Storage Systems, Cell  
Washers, Plasma Thawers



# Compactor Waste to “Incineration” vs Landfill

On average, we send **6 tons per month (72 tons a year)** of compactor waste that is diverted from landfill and incinerated to generate energy.

## How it works

Waste-to-Energy takes non-hazardous waste – otherwise destined for landfill – and combusts it, generating steam for electricity production. Ash is processed to recover metal for recycling while all gases are collected, filtered, and cleaned to minimize.



**COVANTA**  
Powering Today. Protecting Tomorrow.



# Converting Wood Waste to “Mulch” vs Landfill

On average, we send **3 tons per month (36 tons a year)** of wood waste diverted from landfill and ground up to generate mulch for reuse.





# Cardboard Recycling

Cardboard is collected throughout the facility and once hoppers are filled within the plant, the cardboard is taken to our cardboard compactor to be recycled.



On average, we send **7 tons per month** (**84 tons a year**) of compactor waste that is diverted from landfill and incinerated to generate energy.

# General Recycling



## Always recycle:

## Recicle siempre:



**Plastic Bottles & Containers**  
Botellas y envases de plástico



**Food & Beverage Cans**  
Latas de alimentos y bebidas



**Paper**  
Papeles



**Flattened Cardboard & Paperboard**  
Cartón y cartulina aplastados



**Food & Beverage Cartons**  
Cartones de alimentos y bebidas

## Do NOT include in your mixed recycling cart:

## NO incluya en su contenedor de reciclaje mixto:



**NO Food or Liquids**  
NO comida o líquidos



**NO Foam Cups & Containers**  
NO vasos y recipientes de poliestireno



**NO Clothing, Furniture & Carpet**  
NO ropa, muebles y alfombras



**NO Loose Plastic Bags, Film or Bagged Recyclables**  
Empty recyclables directly into your cart  
NO bolsas y envolturas de plástico sueltas, o materiales reciclables embolsados  
Vacíe directamente los materiales reciclables en nuestro carrito



**NO Batteries or Needles in the Recycling or Trash**  
Batteries and needles pose safety risks for our employees. Check for local drop-off programs for proper disposal



**NO Glass Bottles & Containers**  
NO botellas y envases de vidrio



# Returnable Dunnage

We worked closely with our vendor to create a sustainable solution to eliminate the wooden dunnage that our glass arrived in.

Wooden Dunnage



Returnable Dunnage





# Returnable Dunnage



	Returnable Rack		Wood Crate
1st year Investment	\$ 105,374		\$ 67,200
2nd Year	\$ 5,269		\$ 67,200
3rd Year	\$ 5,269		\$ 67,200
4th Year	\$ 5,269		\$ 67,200
5th Year	\$ 5,269		\$ 67,200
5 Year Cost	\$ 126,449		\$ 336,000
Shipping/Yearly	\$ 18,000		\$ -
Shipping/5 Years	\$ 90,000		\$ -
Wood Crate Labor			\$ 7,800
Disposal/Yearly	\$ -		\$ 14,400
Disposal/5 Years	\$ -		\$ 72,000
Total 5 Year Costs	\$ 216,449		\$ 408,000
	Max Projected 5yr Savings		(\$191,551)

# Sheet Metal Pallets

The pallets on which our sheet metal comes in are returned to our vendors for reuse.





# Pallet Recycling

Pallets are staged in a trailer to be repurposed. All pallet material that cannot be repurposed is converted into mulch.

On average, we send **11 tons bimonthly (66 tons a year)** of pallets diverted from landfills and repurposed.



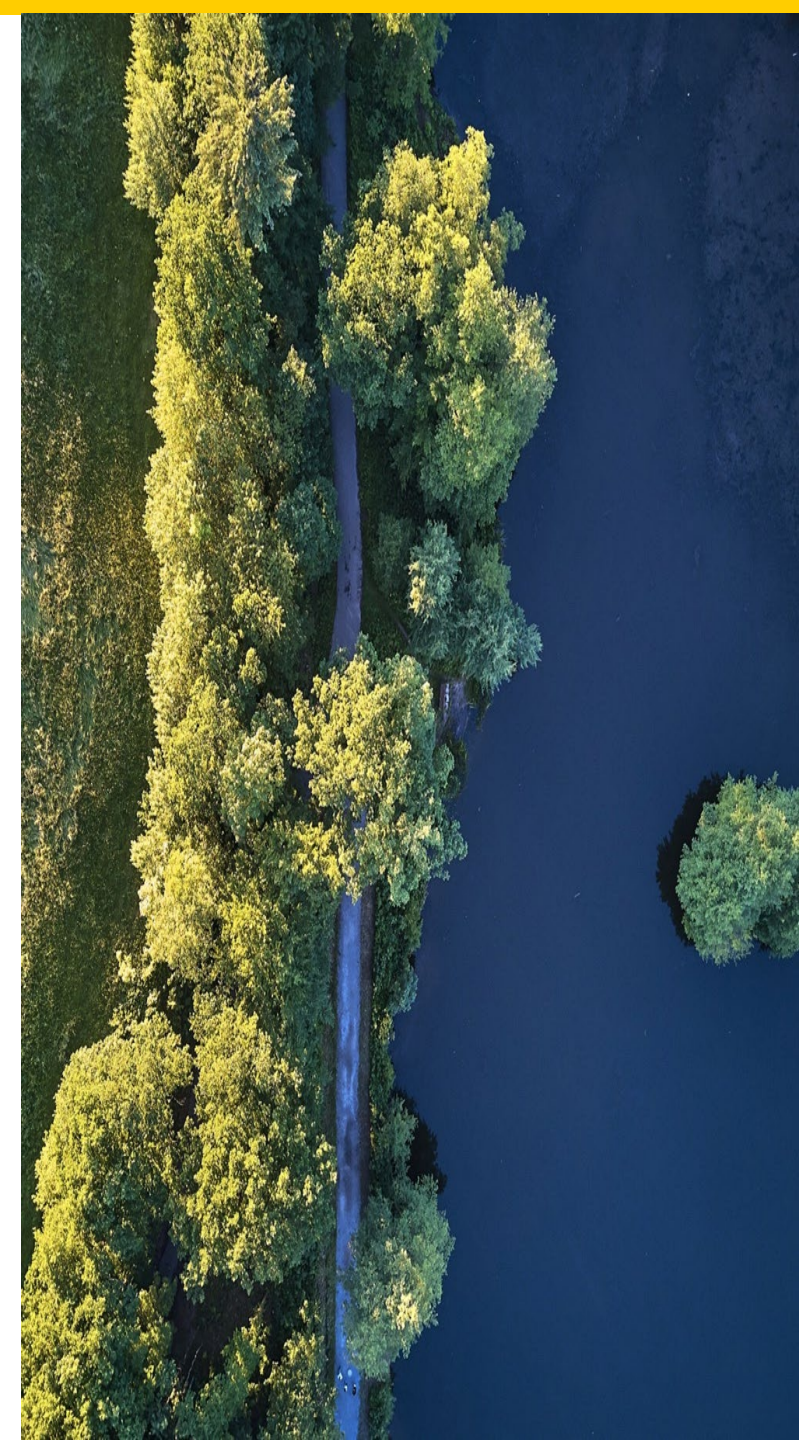
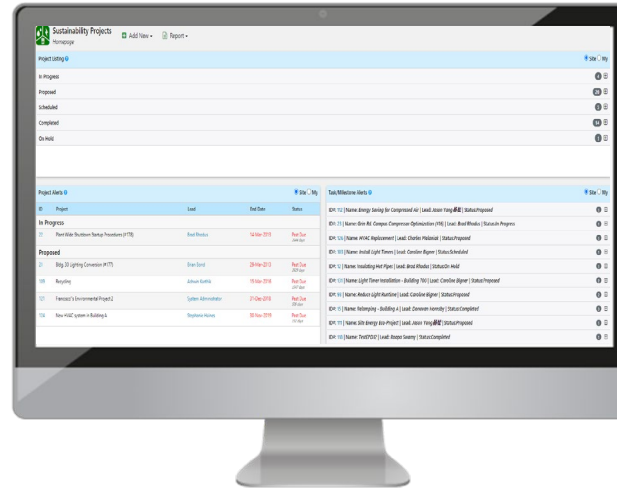
# Sustainability App



## Sustainability Projects

TRACK SITE FOOTPRINT REDUCTION PROJECTS AND SUSTAINABILITY ACTIVITIES ACROSS ENERGY, WATER, AND WASTE AREAS AND ENABLING ENTERPRISE-LEVEL ROLLUPS OF REDUCTION INITIATIVES AND BEST PRACTICE SHARING OPPORTUNITIES.

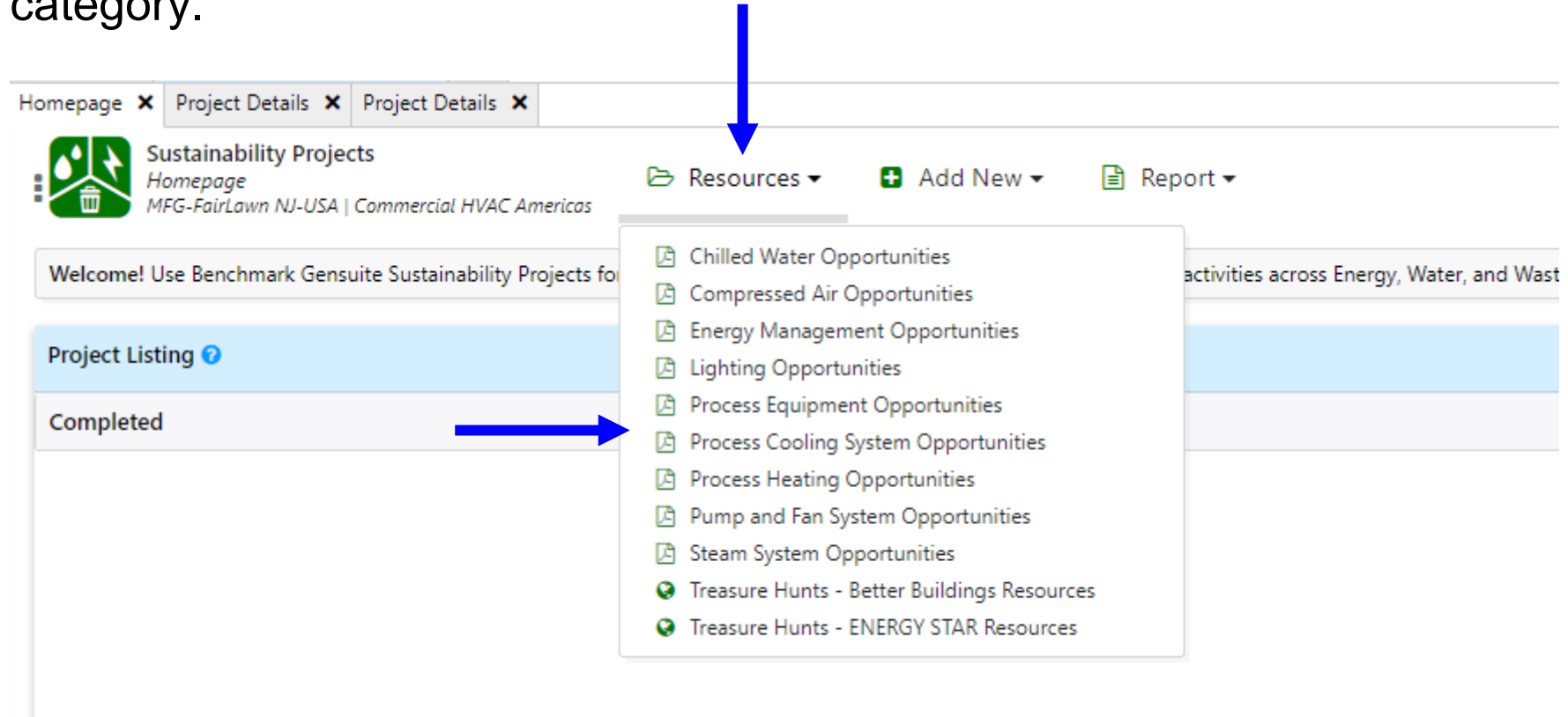
- ✓ Access the Sustainability Projects.
- ✓ Add Projects
- ✓ Edit Projects
- ✓ Add GHG/Energy, Waste, and Water Reduction Details
- ✓ Edit GHG/Energy, Waste, and Water Reduction Details
- ✓ Create Reports





# Need Ideas?

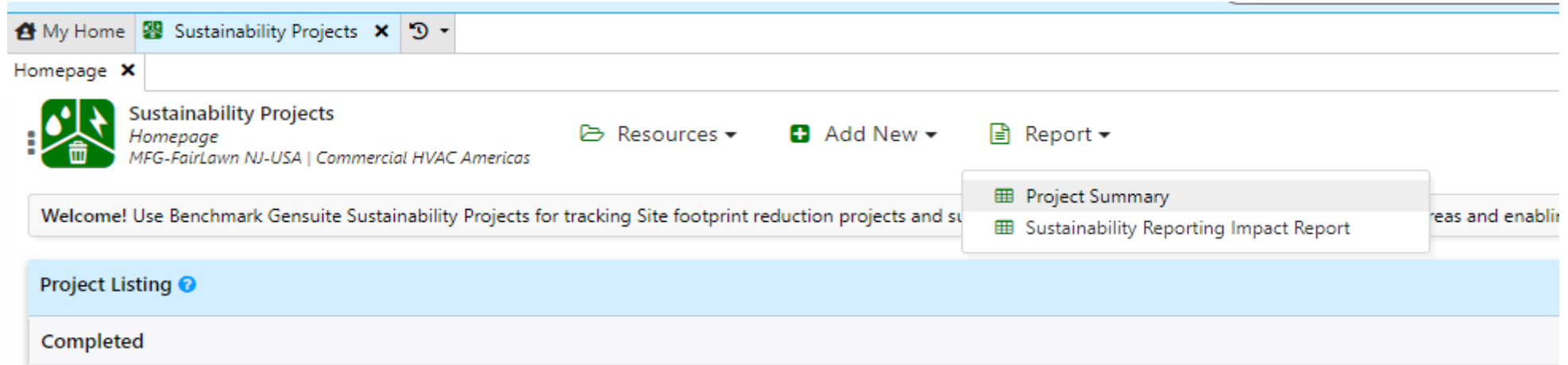
- If you need inspiration for a reduction project, you can click on the Resources option and select the specific category.



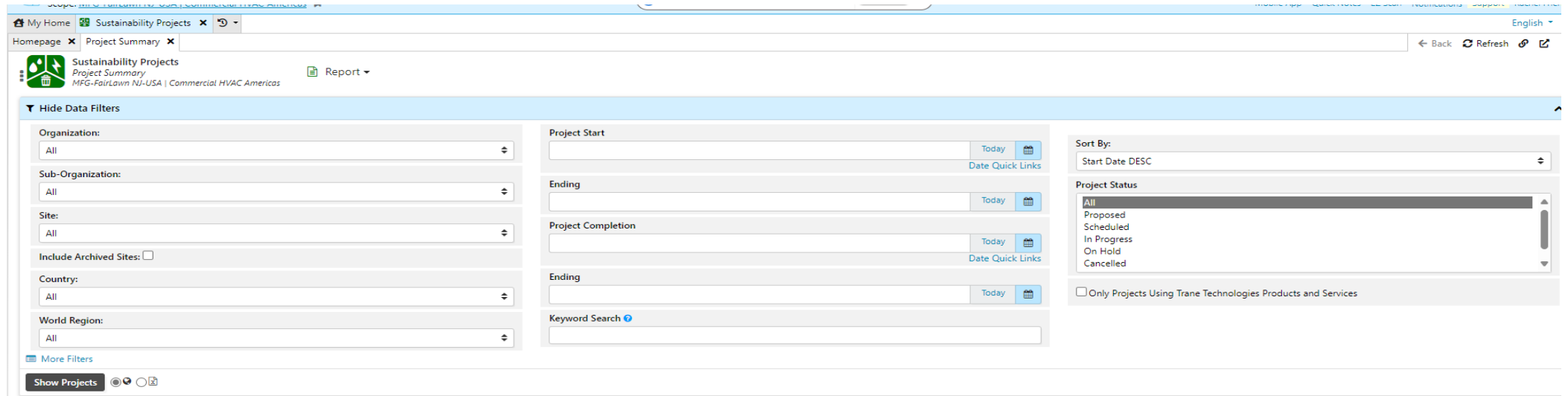
- An informational brochure from the US Department of Energy will appear to help with ideas about that topic.

# Need Ideas?

- To view projects uploaded by other facilities, click on Report, then Project Summary.




- To see all projects, click Show Projects. A list of projects will populate, and you can click one for more details.





# Sustainability Projects – Add Projects

Benchmark Gensuite® Home Demonstration [Demo] / Business Unit A Applications ▾ Mobile App ▾ Notifications 2 ▾

 Sustainability Projects  
Homepage

Resources ▾ **+ Add New ▾** Report ▾

**+ Project**

Welcome! Use Benchmark Gensuite Sustainability Projects for tracking projects and sustainable enterprise-level rollups of reduction initiatives and best practice sharing opportunities. [Learn more »](#)

**Project Listing** ⓘ

- In Progress
- Proposed
- Scheduled
- Completed
- On Hold

**Sustainability Projects** Add Project + Add New ▾

Add Eco Project

Project Name\*

Status\*

Start Date\*  x Today

Project Type\*

End Date\*  Today

Energy Type\*

Funded:

Associated Reductions\* ⓘ  Energy/GHG  Waste  Water  None

Project Lead\*  x

Project Description:

(max. of 2000 char.)

Project Team:

Select 'Add New User' if not in active users search results. Shift+Ctrl to de-select team members.

In Progress Notes:

Kaizen ID:

**Gensuite Demo Products & Services Description** ⌆

Gensuite Demo Products & Services Description:

Gensuite Demo Products & Services Cost:  USD


**Project Costs** ⌆

	Estimate		Actual	
Investment Cost* ⓘ	<input type="text"/>	→	<input type="text"/>	USD
Expense Cost* ⓘ	<input type="text"/>	→	<input type="text"/>	USD
O & M Cost* ⓘ	<input type="text"/>	→	<input type="text"/>	USD /year

**Cost Benefits/Criterion** ⌆

Criterion Type\*

Cost Savings* ⓘ	Estimate <input type="text"/>	→	Actual <input type="text"/>	USD /year
Evaluation Criterion* ⓘ	<input type="text"/>	→	<input type="text"/>	



# Sustainability Projects – Add GHG/Energy, Waste & Water Reduction Project Details

## Sustainability Projects

Homepage + Add New Report

Site  My

**Project Listing**

In Progress

ID	Project Name / Project Lead	Description	Project Type
23	Grin Rd. Campus Compressor Optimization (#16) <i>Brad Rhodus</i>	Currently, we have three 150 hp air compressors operating full-time on the Grin Rd. campus - 1 reciprocating compressor that supplies buildings 30 40 and two Ingersoll <a href="#">View full description</a>	Process optimization
22	Plant Wide Shutdown Startup Procedures (#178) <i>Brad Rhodus</i>	In the FW 15 Treasure Hunt, there were 7 kaizens identified that were specific to machines being powered on when they should not have been. Because of that, the second <a href="#">View full description</a>	Treasure Hunt
78	Office Lighting	Evaluation of lighting changes in office facility	Lighting (re-

## Sustainability Projects

Project Details + Add New View/Edit Existing Projects

Project Summary Task/Milestone Energy/GHG Details Waste Details Water Details

Year	Energy Type	Est. Value	Act. Value	Unit	Est. Cost Savings (USD)	Act. Cost Savings
Energy Reduction						
Average	Nitrogen Oxide	560,098.00		liters	\$20,000.00	\$0.00

+ Add New Energy/GHG Reduction Details

Add Energy Reduction Details

### Add Energy/GHG Reduction

Year:

Estimated Value:

Actual Value:

Energy Type:

Unit:

Est. GHG Reduction:  Metric Tons CO<sub>2</sub>

Manual Overwrite

Act. GHG Reduction:  Metric Tons CO<sub>2</sub>

Manual Overwrite

Est. Cost Savings:  (USD)

Act. Cost Savings:  (USD)

Note: Required fields indicated by red asterisk (\*)

Annual Average

Select an Energy Type

# Sustainability Projects – Create Reports

Benchmark Gensuite® Home **Demonstration [Demo] / Business Unit A** Applications ▾ Mobile App ▾ Notifications 2 ▾ Support ▾

## Sustainability Projects

Homepage Resources ▾ Add New ▾ Report ▾

Welcome! Use Benchmark Gensuite Sustainability Projects for tracking Site footprint reduction initiatives and best practice sharing opportunities. [Learn more »](#)

### Project Listing

In Progress

ID	Project Name/ Project Lead	Description
23	Grin Rd. Campus Compressor Optimization (#16) Brad Rhodus	Currently, we have three 150 hp air compressors operating campus - 1 reciprocating compressor that supplies buildings 30 40 and two Ingersoll <a href="#">View full description</a>

- Project Summary
- Sustainability Reporting Impact Report
- Sustainability Reporting
- Dashboards & Analytics
- Sustainability Projects Storyboard
- Sustainability Projects
- Project Details
- More Reports...

## Sustainability Projects

Project Summary Report ▾

Hide Data Filters Filters


Business: Gensuite Demo Company	Project Start Today	Sort By: Start Date DESC
Business Unit: All	Ending Today	Project Status All
Business Unit: All	Project Completion Today	Proposed
Site: All	Ending Today	Scheduled
Country: All	Keyword Search	In Progress
World Region: All		On Hold
		Cancelled

Only Projects Using Gensuite Demo Products and Services

More Filters

Show Projects





**Small actions can create big ripples.  
Each one of us has the power to  
make a difference in building a  
sustainable future.**

*~ Xiuhtezcatl Martinez*