Minneapolis Green Cost Share

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Green Cost Share 2012-2019

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City of Minneapolis
Changes over the years
2012- 2019
The basics

• Established in 2012, the Green Cost Share program aims to create cleaner, healthier, and more sustainable City of Minneapolis by working with people.

• The program offers matching fund to commercial, industrial, non-profit and multi-family properties implementing an energy efficiency, solar, or innovative pollution reduction project.

• Depending on incentive structure program offers 20-90% match.

• Equity focused in Environmental Justice and low-income housing.
Categories

• Green Business Refrigeration *NEW! in 2019*
• Energy Efficiency
• Solar Energy Projects (*Solar Group Buy NEW! in 2019*)
• Innovative Pollution Reduction
• Vehicle Repair, Service and Maintenance
• 4d Multifamily Energy Efficiency *NEW! in 2019*
Incentive Levels

- 4d qualified MF Residential Buildings: 90% match up to $50,000
- Solar: up to $75,000 for Commercial and MF buildings, up to $100,000 for Solar group buy
- Energy Efficiency: 20% match up to $20,000 for all buildings, 30% match up to $30,000 for buildings in Green Zones of Minneapolis, 25% match up to $50,000 for buildings participating in Energy Benchmarking Program.
- Innovative: up to $100,000
- Vehicle Repair, service, maintenance: up to $25,000
Benefits of the Program

• Hitting Climate Action Goals
• Improving neighborhood air quality
• Improving worker exposure to chemicals
• Leveraging other City initiatives – Minneapolis Energy Benchmarking, Green Zones, 4d Affordable Housing, Clean Energy Partnership
• Ensuring Social & Environmental Justice (Green Zones)
• Ensuring safety and comfort for Minneapolis residents
North Loop Campus

302.75 kw system
349,722 kwh/year

“This solar panel installation will become a perpetual live demonstration of the benefits of green energy to approximately 800 students every day. They can be proud that their school is showing leadership in reducing green house gas emissions and improving air quality. “

Michael Johander
Chicago Plaza
17.2 kw system producing 21,626 kwh/year
Utepils Brewery
111 kw dc
138,178 kwh production
Energy Efficiency Project at Gandhi Mahal
Replaced all lights with LED, saving 14,523 kwh/year
Energy Efficiency Project at YMCA (1711 W Broadway Ave, Green Zone)
changed all interior exterior lights to LED & added sensors, saving 52,154 kwh/year
Atomic Recycling: Replace Diesel Excavator with an Electric Excavator in North Minneapolis

Pollutant Reductions (lbs.)

• 154,000 CO2
• 3,854 NOx
• 3,824 CO
• 776 PM
• 408 VOC
U.S. Cleaners

• Replacing PERC with safer hydro-carbon solvents.

• Project Decreased exposure of customers and surrounding area by an estimated **2,730 Lbs. of HAPS** over business as usual.

• Workers exposed to 4 times the immediate health risk value of perc
4d project (671 Spring St. N.E.)

- Replace water heater
- Insulate exterior walls, air seal and insulate the attic
- Replace inefficient furnace
- Air source pump
New in 2019

- **Green Cost Share** applications have multiple deadlines throughout the year
  - Dec 1 (previous year), Feb 1, Apr 1, June 1

- Smartsheet for project tracking, budgeting, and data analysis

- Public facing Tableau **Dashboard** for reporting
Summary Statistics

• Total project sites 363
• 48 non-profit, 74 small business, 54 MF, 32 large commercial, 909 income qualified housing units
• Total public dollar spent to date $3,967,283.
• Total private dollars leveraged $27,564,121.
• Total estimated 11,426,376 kwh produced/year
• Total estimated 9,186,904 kwh saved/year
• Total estimated 218,422 therms saved/year
• Total estimated 12,773 metric ton of GHG (Carbon Dioxide) reduction
Green Cost Share Impact on Energy Savings

• 9,228 (kw-DC) total solar capacity installed

• Average number of Cars Taken out of the Road Annually equivalent to 2,519

• Average number of Homes energy offset Annually equivalent to 2,147
GCS Total Investment

Total Investment
- Up to $500,000
- $1 million
- $3 million
- $5 million
- $7 million
- Over $9 million
GCS Solar kw (DC) capacity

Kilowatt (DC) Capacity
- Up to 100 kW
- 200 kW
- 700 kW
- Over 1,500 kW

[Map showing various areas with numbers indicating kW capacity, including areas labeled with dates like 10/11/19.]
Thank you