

GO GREEN, SAVE GREEN ANNUAL REPORT

2008/2009



David Steffen, Chairman
Daniel Deppeler
Charlie Higgs

Burt R. McIntyre
Frank Ingram
John Tiedt

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In June 2008, the Go Green, Save Green Initiative was established with a two part mission:

- 1. Identify ways to provide internal and external cost savings to the Village of Howard*
- 2. Provide a sustainable benefit to our economy, ecology, and community.*

In the first 10 months of existence, the Go Green, Save Green Task Force has evaluated 21 different project options, of which 12 were fully implemented. The implemented initiatives will provide a significant step forward in protecting and preserving our environment. They will also provide an anticipated savings of \$11,665 for the Village of Howard in the 2009-2010 program year, \$57,481 over a five year span and \$189,373 over 15 years.

Attached is Go Green, Save Green's Annual Report to the community on its progress and achievement relating to this mission to save money while saving the planet.

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GGSG Initiative	Eco-Benefit	*Annual CO ₂ Reduction	*Annual CO ₂ Reductions Equivalent To:	Initial Cost	Net Fiscal Impact
Installed high-efficiency lights at the Akzo Nobel Sports Complex	Reduced electrical consumption to operate 16 large light fixtures.	50,000 lbs.	CO ₂ emissions from electricity use of 3.1 homes for 1 year & 2.574 gallons of gasoline consumed	No additional costs versus purchasing standard lights.	Will realize \$2,000 in electrical savings in 1 st year.
Issued 4 laptop computers to Village Trustees to reduce paper usage	Reduced paper usage by approximately 60,000 sheets of paper and saved 7 mature trees annually.	60,000 lbs.	Annual greenhouse gas emissions from 5 passenger vehicles & CO ₂ emissions from 1.134 propane cylinders used for home barbeques	\$4,500 for cost of 4 laptop computers; \$600 to run electricity to Village Board dais.	\$2,400 savings in paper costs (does not include staff time or copy machine maintenance). Will realize savings between year 2-3.
High-efficiency lights installed at public works, including motion detectors	Reduced electrical consumption	1,800 lbs.	CO ₂ emissions from 92.7 gallons of gasoline consumed & 1.9 barrels of oil consumed	\$3,480	Bulbs will pay for themselves in 1.5 years. Annual savings of \$2,610.00.
Insulated & weatherproofed Maywood water utility building	Projected 30% reduction in utility costs.	10,000 lbs.	CO ₂ emissions from 515 gallons of gasoline consumed & 10.5 barrels of oil consumed	\$1,984.60	Projected annual savings of \$1,569.03.

*Annual CO₂ Reduction is an estimate based on online CO₂ calculators.

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GGSG Initiative	Eco-Benefit	*Annual CO ₂ Reduction	*Annual CO ₂ Reductions Equivalent To:	Initial Cost	Net Fiscal Impact
Regulated Village Hall & park shelter temperatures at 68° during daytime and 55° at night and reduced Public Works temp. to 45-50°	Reduced heating & cooling costs by 5%.	3,100 lbs. at each building.	CO ₂ emissions from 319 gallons of gasoline consumed & annual gas emissions from .52 passenger vehicles	No additional costs.	Varies by location. Projected annual heating/cooling cost savings of \$2,631.23 at Village Hall and \$2,033.18 at Public Works.
G ² SG Employee Incentive program	Energy cost savings	TBD	TBD	No cost.	TBD
Purchased two flex fuel squad cars	Cost savings on fuel.	Using E85 fuel can reduce CO ₂ emissions up to 59%.	TBD	\$46,496.00	TBD
Approved 2 nd Certified LEED Building	Reduces negative environmental impacts of buildings	TBD	TBD	No cost.	N/A
G ² SG Community Pledge	Promote less energy consumption, less water consumption, cleaner water, cleaner air, etc.	TBD based on the number of residents who take the pledge.	TBD	No cost.	N/A

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GEOMELT (Beet Juice de-icer)	Reduces amount of salt used on roads, renewable, locally grown product.	N/A	N/A	\$4,400	Public Works is currently tracking the amount of salt mixed with GEOMELT used this winter compared to salt only last winter.
Replaced 8 windows at Pinewood Park with double-paned windows	Lower energy costs.	15,400 lbs.	Annual greenhouse gas emissions from 1.3 passenger vehicles & 16.2 barrels of oil consumed	\$450	Annual projected energy cost savings = \$455.82
Purchased 8 metal fusion recycling bins for Meadowbrook Park & Akzo Nobel Sports Complex	Promote recycling and reduce tonnage in landfills.	N/A	N/A	\$3,400	N/A
Recycling Guide	Promote recycling and reduce tonnage in landfills.	N/A	N/A	No cost.	N/A

*Annual CO₂ Reduction is an estimate based on online CO₂ calculators.