



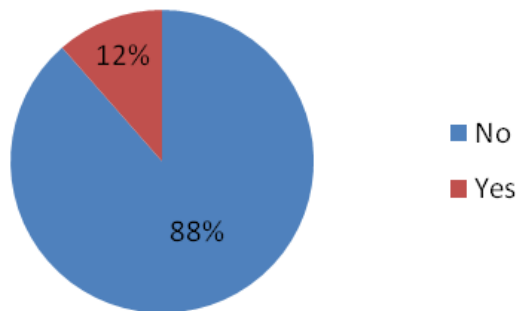
OARC's Sustainability Action Steps

OARC is a non-profit, 501(c) (3) community development corporation whose primary mission is to create and stimulate economic development while improving the quality of life for residents in West Oak Lane and other neighborhoods throughout the Northwest section of Philadelphia. OARC is dedicated to using green and sustainable methods to accomplish this mission.

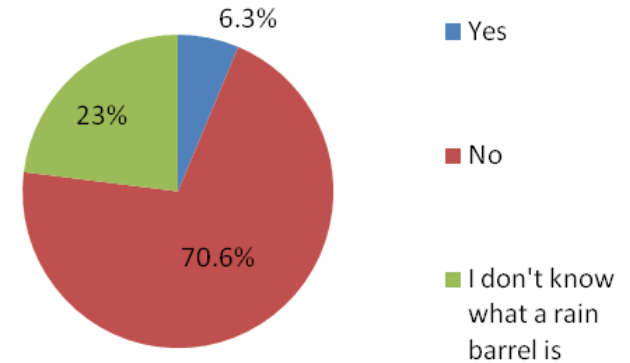
OARC's goal is to make Northwest Philadelphia a sustainable community where residents can raise their families, operate a business, educate their children, spend their leisure time, and enjoy arts and cultural activities. OARC wants to incorporate the residents themselves into this plan and has worked with Ecolibrium Group to develop a focus group and sustainability survey to gather their input and ideas. This information will help OARC guide the community on the path to a sustainable future.

Following are the results of two of the questions from the survey. The pie charts are representative of the fact that many people have not taken measures to improve the energy efficiency of their homes and many of the strategies to save energy are not used, are unknown, or are confusing.

Have you ever had an energy audit performed on your house?



Do you currently have a rain barrel on your property?



Individuals have the ability and power to reduce their environmental impact and make their community a sustainable one. Reducing the amount of waste you generate and your energy, gas, and water consumption means fewer greenhouse gas emissions, cleaner air and water, and cheaper utility bills.

The purpose of this flyer is to show you different ways to reduce your impact on the environment, waste generation, and energy and water consumption and the resulting savings from doing so. The table on the reverse side contains actions you can take to reduce your impact on stormwater management, waste management, energy consumption, water consumption, and transportation. If everyone in the Northwest Philadelphia communities followed the recommendations, the savings and benefits will add up and have a huge impact.

Understanding the needs of the community is one of the top goals of OARC. Therefore the organization has teamed with Ecolibrium Group and is taking the leadership in providing the best information, tools, and resources to move towards sustainability. This guide is one of those tools.

Area of Sustainability	Suggestion	Potential Household Savings	Potential Block Savings	Potential Northwest Communities Savings
Stormwater Management	Install a Rain Barrel	\$5 and 1,300 gallons of water during peak summer months	\$260 and 65,000 gallons of water during peak summer months	\$145,000 and 36.5 million gallons of water during peak summer months
Waste Management	Use a Compost Bin	1,200 lbs of waste per year	\$1,900 in city disposal fees and 30 tons of waste per year	\$1.1 million in city disposal fees and 16,600 tons of waste per year
Waste Management	Recycle	1,900 lbs of waste per year	\$3,100 in city disposal fees and 48 tons of waste per year	\$1.8 million in city disposal fees and 27,000 tons of waste per year
Waste Management	Use RecycleBank	Up to \$540 (5,400 points) per year	\$27,000 (270,000 points) per year	\$15.1 million (151 million points) per year
Waste Management	Use Rechargeable Batteries	\$11 and 22 batteries per year	\$540 and 1,080 batteries per year	\$302,500 and 605,000 batteries per year
Energy Conservation	Install CFLs	\$40 and 470 kWh per year (5 CFLs per household)	\$2,000 and 23,500 kWh (5 CFLs per household)	\$1.1 million and 13.1 million kWh (5 CFLs per household)
Energy Conservation	Use Thermostat Setbacks	\$180 per year	\$9,000 per year	\$5 million per year
Energy Conservation	Use Smart Strip Power Strips	\$240 per year (1 per household)	\$12,000 per year (1 per household)	\$6.7 million per year (1 per household)
Energy Conservation	Use ENERGY STAR Air Conditioner Units	\$12 per year (2 per household)	\$600 per year (1 per household)	\$336,000 per year (2 per household)
Energy Conservation	Seal Air Leaks and Add Insulation	\$220 per year	\$11,000 per year	\$6.2 million per year
Energy Conservation	Turn Down the Water Heater Temperature and Insulate Tank and Water Pipes	\$160 and 1,000 kWh per year	\$8,100 and 50,500 kWh per year	\$4.5 million and 28.3 million kWh per year
Energy Conservation	Seal Ducts	\$140 per year	\$7,000 per year	\$3.9 million per year
Water Conservation	Use WaterSense Faucets or Aerators	\$13 and 3,200 gallons of water per year	\$640 and 161,000 gallons of water per year	\$360,000 and 90 million gallons of water per year
Water Conservation	Use WaterSense Showerheads	2,300 gallons of water, \$57, and 300 kWh per year	115,000 gallons of water, \$2,900, and 15,000 kWh per year	64.4 million gallons of water, \$1.6 million, and 8.4 million kWh per year
Transportation	Car Sharing	\$6,000 per year, 1 personal vehicle off the road, and 219 gallons of oil per year	\$84,000, 14 personal vehicles off the road, and 3,000 gallons of oil per year (10% car share users)	\$45.4 million, 3,000 personal vehicles off the road, and 1.6 million gallons of oil per year (10% car share users)
Transportation	Carpool	\$2,700, 500 gallons of oil, and 1 personal vehicle off the road per year	\$73,000, 13,500 gallons of oil, and 27 personal vehicles off the road per year (20% carpoolers)	\$40.8 million, 7.5 million gallons of oil, and 15,000 personal vehicles off the road per year (20% carpoolers)
Transportation	Use Public Transportation	\$11,215 per year (50% users)	\$762,620 per year (50% users)	\$424 million per year (50% users)
Green Building Technologies	Quanta Low-e Panel	\$200 per year	\$10,000 per year	\$5.6 million per year
Green Building Technologies	ARE Solar Panels	\$1,300 per year	\$65,000 per year	\$32.6 million per year

Amount of Annual Savings (Not including Transportation and Solar Panels):	\$1,818	\$96,040	\$116.2 million
Additional Annual Savings from Car Sharing:	\$6,000	\$84,000	\$45.4 million
Additional Annual Savings from Carpooling:	\$2,700	\$73,000	\$40.8 million
Additional Annual Savings from Public Transportation:	\$11,215	\$762,620	\$424 million
Additional Annual Savings from Solar Panels:	\$1,300	\$65,000	\$32.6 million

Breakdown of Savings:



6,800 gallons of water	341,000 gallons of water	190.9 million gallons of water
1,200 lbs of compost waste	30 tons of compost waste	16,600 tons of compost waste
1,900 lbs of recycled waste	48 tons of recycled waste	27,000 tons of recycled waste
1,770 kWh	89,000 kWh	49.8 million kWh
1 vehicle off the road and 219 gallons of oil (car sharing)	14 vehicles off the road and 3,000 gallons of oil (car sharing)	3,000 vehicles off the road and 1.6 million gallons of oil (car sharing)
1 vehicle off the road and 500 gallons of oil (carpooling)	27 vehicles off the road and 13,500 gallons of oil (carpooling)	15,000 vehicles off the road and 7.5 million gallons of oil (carpooling)
22 batteries	1,080 batteries	605,000 batteries