



Maryland Green Registry MEMBER

The Maryland Green Registry promotes and recognizes sustainable practices at organizations of all types and sizes. Members agree to share at least five environmental practices and one measurable result while striving to continually improve their environmental performance.

Shepherd Energy



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Bowie, MD 20716
301.464.1111
www.shepherdenergy.com
Home Performance Retrofitting
Member since December 2016

Management and Leadership

Environmental Policy Statement

Shepherd Energy is committed to reducing its impact on the environment.

We are able to accomplish our goals by the following:

- *Comply with all energy codes, ASHRAE 62.2-2013 standards and utility guidelines;*
- *Comply with all applicable local and state codes;*
- *Prevent pollution and Greenhouse Gases when possible;*
- *Continue to empower and educate residents on ways to combat energy waste in their homes and businesses, thereby reducing energy costs and consumption;*
- *Continually improving our systems to reduce energy consumption by more than 20% for each project.*

Environmentally Preferable Products and Services

Shepherd Energy is able to facilitate the process of helping homeowners and businesses reduce energy consumption, conserve natural resources, save money, and establish a safe and healthy environment. Our professionals are challenged to find the sources and causes of energy waste in a home or business. This is accomplished by conducting homeowner and business interviews as well as the use of advanced diagnostic testing that identify areas of energy loss through Quick Home Energy Checks and ENERGY Star comprehensive audits.

During the audit, facilities and residents can receive the following:

- *The installation of Light Emitting Diode (LED) – These bulbs use up to 90% less energy than standard light bulbs.*
- *Smart Energy Power Strips are provided – It will stop all standby power loses.*
- *Aerators are installed in kitchen and bathroom sinks – They will reduce overall water use by 50%.*
- *Efficient-Flow Showerheads are installed – They will reduce the amount of water used in showers by more than 25%.*
- *Water Heater Pipe Insulation is installed – It will reduce the heat loss during the transportation of water.*
- *Electric Water Tank Wrap is installed – It will continuously keep water warmer in the hot water tank.*
- *The provision of energy efficiency education that will provide guidance for achieving long-term energy and cost savings.*

Shepherd Energy also provides design and Computer Aided Drawings (CAD) for Stormwater Management which take into consideration the following criteria:

1. *Site Survey*
2. *Soil Borings and Results (Per Section)*
3. *Infiltration Rates (Infiltration Test should be included with soil boring)*
4. *Drainage Design*
5. *Topography*
6. *Roof Area (Calculating Rainwater)*
7. *Total Area (Calculating Rainwater)*
8. *California Bearing Ratio (CBR)/ Parking: How many parking lots for cars and handicap?*



Environmentally Preferable Purchasing

Shepherd Energy purchases 30%-100% post-consumer waste printer paper. Additionally, final energy reports are emailed to reduce the amount of paper usage.



Environmental Restoration or Community Environmental Projects

Shepherd Energy was a featured guest speaker at Prince George's County Energy, Health and Climate Expo at Suitland Community Center, as well as was an invited guest speaker of Senator Benson and Commercial Management Group to discuss energy efficiency. Residents learned about the utility sponsored Home Performance with ENERGY star and Quick Home Energy check programs (QHEC).

Our table had a full display of QHEC measures, utility pamphlets, as well as copies of the Energy Saver-tips on saving money and energy at home booklet. A question and answer period followed the discussion. Shepherd Energy continues to receive speaking invitations to discuss energy efficiency in the Maryland community.

Energy

Energy Efficiency

The office refrigerator is ENERGY STAR.

Transportation

Efficient Business Travel

Our energy auditors and program manager telecommute 2 to 3 times a week saving approximately 1,200 gallons of gasoline annually.

Other



CERTIFICATIONS:

*Certified Energy Analyst, Building Performance
Institute (BPI)*

*Certified Building Envelope Specialist, Building Performance
Institut (BPI)*

*Certified EPA Lead Renovator, Environmental Protection
Agency (EPA)*

Certified Weatherization Contractor, Prince George's Community College

BOARDS/MEMBERSHIP:

Executive Green Committee, City of Bowie, 2012- 2014

Business Leadership Council, Prince George's Community College, 2014-2015

*Prince George's Chamber of Commerce, Green Technology & Sustainability
Committee, Co-Chair, 2015- Present*

Green Business Network, Green America Certified Business, 2016-Present

ACCOMPLISHMENTS:

Winner- Pepco's 2014 Home Performance with ENERGY STAR Participating

Contractor Award, Most Improved kWh Savings

Nominated- Prince George's Chamber of Commerce 2015 Green Business of the Year Award

Article, "Crystal Faison: Clean Energy Jobs Act will spur economy" is published on thedailyrecord.com

Winner- *Prince George's Chamber of Commerce 2016 Green Business of the Year Award*



Maryland

Help build a greener, more sustainable Maryland through voluntary practices that reduce environmental impacts and save money.

Learn more at green.maryland.gov

