

2021 Earth Day Webinar at St. John Neumann

Resources to Accompany the Recording

Right click on links to open in new window

<https://www.youtube.com/watch?v=MPmRYPWYUPw>

For questions or comments, please email Care for Our Common Home Ministry at saintjn.cch@gmail.com For more information on our ministry, please visit our website at <http://cfoch.weebly.com>.

Resources for Home Energy Audit



First Step for Residential Energy Audits:

Do an internet search for Home Energy Auditors (See list of certified contractors in Northern Virginia at end of this document. It is a few years old.)
Send out a request for services and costs.

Ask for the services they provide:

- the length of visit,
- which tests will they perform,
- the cost and
- the type of report they will provide
- will they help track and manage rebates

Be sure auditor is Certified with one of these:

Building Performance Institute (BPI) certification for home performance contractors. Focusing on the house as a system approach, BPI emphasizes the interdependence of building systems as they relate to energy consumption.

Home Energy Rating System (HERS) The Energy Commission requires licensed contractors to seal and test the ducts of a home when an HVAC system is installed or replaced.

Video of Home Energy Audit from EPA (3 minutes)

<https://www.youtube.com/watch?v=YolBP0-vkBU>

Three contractors we spoke to and their services:

Please let us know if you have information on any other recommended auditors to add to this list.

Edge Energy in Maryland:

<https://www.edge-gogreen.com/energy-audits/home-energy-audits/>

Comprehensive 3-4 hours \$400

Blower Door and infrared Diagnostics

Combustion Efficiency for Natural gas Appliances

Full Report with results, recommendations, priorities, costs and payback periods

50% of cost can be rolled into retrofit cost

Visual Walk Through 1 hour \$100

Consultation, no diagnostics, List of recommendations

Group Discounts

They have worked with faith groups before

The Home Energy Detective, Inc.

<https://www.homeenergydetective.com/>

Comprehensive 4-5 hours \$600

Blower Door and infrared Diagnostics

Combustion Efficiency for Natural gas Appliances

Full Report with results, recommendations, priorities, costs and payback periods

100% of cost can be rolled into retrofit cost

Clipboard Audit 2 hours \$300

Consultation, no diagnostics, List of recommendations

Home Energy Saving Solutions

<https://virginiaenergyaudit.net/home-energy-audit>

Comprehensive 2-3 hours \$400

Blower Door and infrared Diagnostics

Combustion Efficiency for Natural gas Appliances

Full Report with results, recommendations, priorities, costs and payback periods

100% of cost can be rolled into retrofit cost

Visual Walk Through 1 hour \$100

Consultation, no diagnostics, List of recommendations

From Dominion Energy

Website:

<https://domsavings.com/va/rhea/>

Sample Report:

<https://domsavings.com/wp-content/uploads/2020/01/Sample-HEA-Homeowner-Report.pdf>

Resources for Renewable Energy Certificates (RECs)



See here for EPA explanatory website and video describing what RECs are and how they work.

<https://www.epa.gov/greenpower/renewable-energy-certificates-recs>

Dominion Energy Programs (note: 1 MWh = 1,000 kWh and is a good estimate for typical monthly residential usage)

REC Select - (\$0.75 per mWh), uses RECs from wind energy

<https://www.dominionenergy.com/virginia/renewable-energy-programs/rec-select>

100% Renewable Energy - (\$3.98 per mWh), uses RECs from solar, hydropower, and biomass

<https://www.dominionenergy.com/virginia/renewable-energy-programs/all-renewable>

Green Power – (\$13 per mWh), uses RECs from wind, solar, and biomass

<https://www.dominionenergy.com/virginia/renewable-energy-programs/green-power>

Arcadia Program – (\$5 per month flat rate regardless of energy use), uses RECs from wind energy <https://www.arcadia.com/>

Resources for Composting



Background Information:

Infographics on soil benefits of composting and combatting climate change from the Institute for Local Self Reliance

<https://ilsr.org/about-the-institute-for-local-self-reliance/>

Compost infographic from PBS

<https://www.pbs.org/wnet/nature/blog/inside-nature-infographic-how-to-compost/>

Information and data on Municipal Solid Waste (MSW) in the USA

<https://www.epa.gov/facts-and-figures-about-materials-waste-and-recycling/national-overview-facts-and-figures-materials#composting>

Information on waste generation in USA

<https://www.nrdc.org/onearth/united-states-most-wasteful-country-world>

Three Options for Composting food waste from your home:

Free drop-off service at two locations in Fairfax County

Information on Fairfax County Food Scrap Recycling Program including drop-off location and what is/is not accepted as food scraps.

<https://www.fairfaxcounty.gov/publicworks/recycling-trash/composting-organic-waste>

Composting Services in our Area

You pay a monthly fee and they pick up your bin of compost at your home and leave you a clean bin.

Apex Organix Compost Service (703) 403-9095

<https://apex-organix.com/>

Veteran Compost (443) 584-3478

<https://www.veterancompost.com/>

Compost Crew (301) 202-4450

<https://compostcrew.com/>

Compost in your back yard:

Composting basics from National Resources Defense Council

<https://www.nrdc.org/stories/composting-101>

Compost fundamentals from Washington State University

http://whatcom.wsu.edu/ag/compost/fundamentals/benefits_benefits.htm

Mary Gardens and Native Plants:



Information about St. Kateri Center:

Mary Gardens: <https://www.kateri.org/mary-gardens-for-a-spiritual-experience/>

Story Maps: <https://www.kateri.org/story-maps/>

General information: <https://www.kateri.org>

Information about Marianist Environmental Education Center (MEEC):

<https://meec.center/about>

Information on Native Plant Garden Centers:

PlantNOVANatives: <https://www.plantnovanatives.org/>

Nature By Design: <http://www.nature-by-design.com/>

Watermark Woods: www.watermarkwoods.com

EarthSangha: <http://www.earthsangha.org>

Information of Garden Statue Online Stores:

The Catholic Company: <https://www.catholiccompany.com/mary-garden-statues-c2803/>

The Catholic Faith Store: <https://www.catholicfaithstore.com/garden-statue-of-mary/>

**List of Energy Auditors in Northern Virginia Region – Provided by Dominion Energy
(note this list is a few years old)**

Company	Contact	Street	City	Region	State	Zip	Phone
Accurate Insulation, LLC	Bob Burgess	15121 Marlboro Pike	Upper Marlboro	VA/DC/MD Metro	MD	20772	301-627-6506
Air-Right Energy Design Inc.	Craig Carter and Rick Graham	12167 Livingston Road	Manassas	VA/DC/MD Metro	VA	20109	703 530-0166
American Green Engineering Solutions	Peter M. McGuire	P.O. Box 393	Nokesville	VA/DC/MD Metro	VA	20182	703-975-1759
Amicus/Access Green	Brian Uher	4080 Howard Ave	Kensington	VA/DC/MD Metro	MD	20895	301-571-8590
Ardently Green	Kevin Krom	45710 Oakbrooke Court	Sterling	VA/DC/MD Metro	VA	20166	703-421-1799
Argent Heating and Cooling/ Amicus	David Pugh	5 Ridout St	Annapolis	VA/DC/MD Metro	MD	21401	240-299-0657
Ashe Consultants	John C. Bouman	950 Herndon Parkway, Suite 320	Herndon	VA/DC/MD Metro	VA	20170-5596	703-230-2500
Astracor, Inc	Dave Daly	3660-D Wheeler Ave	Alexandria	VA/DC/MD Metro	VA	22304-6403	703-212-8294
Avalon Energy Services, LLC	Jim McDonnell	5507 Lambeth Rd	Bethesda	VA/DC/MD Metro	MD	20814	301-718-7321
Baretoes LLC	Mark Lidd	2770 Brooke Rd	Stafford	VA/DC/MD Metro	VA	22554	540-834-8700
Building Performance Retrofitters LLC	Adam Letcher	201 Progress Street, Suite #6	Fredericksburg	VA/DC/MD Metro	VA	22401	703-789-6884
CGE Solutions, Inc.	Lee O'Neil	PO Box 221704	Chantilly	VA/DC/MD Metro	VA	20153-1704	703-574-4365
Complete Home Solutions	Rob Burgee	235 W Bay Front Road	Lothian	VA/MD Metro	MD	20711	410-867-1202
Continuum Energy Solutions	Kent Baake	5645D General Washington Drive	Alexandria	VA/DC/MD Metro	VA	22312	703-354-0262

Conway Construction, LLC	Chris Conway	6096 Madison Point Ct	Falls Church	VA/DC/MD Metro	VA	22041	540-818-2437
CroppMetcalf Heating & Air Conditioning	Neil Dodson	8421 Hilltop Road	Fairfax	VA/DC/MD Metro	VA	22031	240-882-5658
Dominion Energy Rater Grp. LLC	Peter McGuire	8171 Windswept Ln	Culpeper	VA/DC/MD Metro	VA	22701	703-975-1759
East Coast Insulators, Inc.	Todd F. Holmes	P.O. Box 250	Nokesville	VA/DC/MD Metro	VA	20182	703-594-2461
Easy Being Green	Merry Ortberg	8595 Green Road	Warrenton	VA/DC/MD Metro	VA	20187	540-878-5700
Ecobeco	Brian Toll	5465 Randolph Road, Unit B	Rockville	VA/DC/MD Metro	MD	20852	240-396-2141
EcoHouse	Colin Choney, Zach Dobelbower	1425 4th Street, SW	Washington	VA/DC/MD Metro	DC	20024	202-640-2820
EDGE Energy	Jason Dispenza	7904 Foxhound Rd	McLean	VA/DC/MD Metro	VA	22102	888-586-3343
Eko Smart Solutions	Daryl Smith	3213 Duke Street, Suite 717	Alexandria	VA/DC/MD Metro	VA	22314	888.389.3551
Elysian Energy, LLC	Caroline Eshelman	1111 East West Hwy	Silver Spring	VA/DC/MD Metro	MD	20910	240-381-0395
Energy Efficiency Experts	Pascale Maslin	2437 15th Street NW	Washington	VA/DC/MD Metro	DC	20009	202-557-9200
Green Homes LLC	Larry Brown	9116 Saytayana Drive	Fairfax	VA/DC/MD Metro	VA	22031	703-622-1554
GreenEcoSavers, LLC	Rami Soppa	12504 Forty Oaks Court	Herndon	VA/MD/DC Metro	VA	20170	703-880-6658
GSPH LLC	Jerry Eastridge	9128 Avention Ct.	Lorton	VA/DC/MD Metro	VA	22079	703-403-7682
Home Energy Medics	Scott Donelson	817 22nd Street South	Arlington	VA/DC/MD Metro	VA	22202	703-447-5379
Home Energy Saving Solutions	Mohammed El-Ghoul	12100 Wedgeway Place	Fairfax	VA/DC/MD Metro	VA	22033	703-260-1933

Home Energy Specialists, LLC	Greg Caudill	9532 Liberia Avenue, Suite 729	Manassas	VA/DC/MD Metro	VA	20110	703-929-2931
Home Performance Auditors and Contractors	Kevin Michaelyan	1301 S Joyce St (Pentagon Row)	Arlington	VA/DC/MD Metro	VA		978-376-0478
Home Performance Solutions	Marty Valentine	100 W. Jefferson Street	Falls Church	VA/DC/MD Metro	VA	22046	703/876.9698
IBTS	George Neall, Kevin Powell	505 Huntmar Park Dr, Suite 250	Herndon	VA/DC/MD Metro	VA	20170	703-481-2000
Intelligent Energy Management, LLC	Andrew M. Pittman	P.O. Box 12026	Arlington	VA/DC/MD Metro	VA	22219-2026	703-249-4411
Lensis Builders Inc.	Richard W. Lensis	12060 Cadet Court	Manassas	VA/DC/MD Metro	VA	20109	703-367-8999
Lilker EMO Energy Solutions, LLC	Eric Oliver	3130 Fairview Park Drive, Suite 125	Falls Church	VA/DC/MD Metro	VA	22042	703-205-0445 x118
Live Green, LLC	Suzanne Parmet	4318 Curtis Road	Chevy Chase	VA/DC/MD Metro	MD	20815	301-674-1700
Old Europe Construction LLC	David Duncan	1206 Summit Rd	McLean	VA/DC/MD Metro	VA	22101	703-356-5665
Patuxent Environmental Group (PEG Inc.)	John Hensley, Matthew Cooper	11130 Fairfax Blvd., Suite 206	Fairfax	VA/DC/MD Metro	VA	22030	703-934-2777
Piedmont Energy Analysis	Linda Mastervich	8478 Springs Road	Warrenton	VA/DC/MD Metro	VA	20186	540.428.3996
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Pinnacle Consulting Solutions LLC	William Ramsey	500 Utterback Store Road	Great Falls	VA/DC/MD Metro	VA	22066	703-406-7657
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Positive Energy, LLC	Patrick Michaelyan	1301 South Joyce St, Suite 6-D	Arlington	VA/DC/MD Metro	VA	22202	
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Pro Energy Consultants	Gary Graff	1112 Moorefield Creek Road SW	Vienna	VA/DC/MD Metro	VA	22180	703.255.2224
Pro Energy Consultants	Sona Kalra	520 Colston PI #302	Winchester	VA/DC/MD Metro	VA	22601	703-623-3797
Pro Energy Consultants	Gary Graff	1112 Moorefield Creek Road SW	Vienna	VA/DC/MD Metro	VA	22180	703.255.2224
Pro Energy Consultants	Sona Kalra	520 Colston PI #302	Winchester	VA/DC/MD Metro	VA	22601	703-623-3797
Residential Energy Auditors, LLC	Earl Haynes, President	9007 Adams Chase Circle	Lorton	VA/DC/MD Metro	VA	22079	703-304-2740
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Southland Insulators, Building Science Division	Tom Ward and Juan Cruz	8521 Quarry Road	Manassas	VA/DC/MD Metro	VA	20110	703-330-0005
Standard Energy Solutions	Zachary T. Bidle	202 Perry Parkway	Gaithersburg	VA/DC/MD Metro	MD	20877	301-944-5255
Sustainable Building Elements	Rich Gajarsky	126 S.Snead St.	Ashland	VA/DC/MD Metro	VA	23005	540-907-6463
The Avenue Builders (Bellanca Construction, LLC)	Chris Bellanca	2210 Mount Vernon Avenue	Alexandria	VA/DC/MD Metro	VA	22301	703-299-9251
The Home Energy Detective, Inc.	Troy D. Tanner	8816 Cather Avenue	Manassas	VA/DC/MD Metro	VA	20110	571-359-1060
Turner's Service Co., Inc.	Lisa Turner	11512 Robertson Drive	Manassas	Entire State	VA	20109	703-361-0816

WellHome #812 (Manassas, VA)	Michael Hogan	7400 Gateway Court	Manassas	VA/DC/MD Metro	VA	20109- 7312	703-393-6371
Windows on Washington	Eric Novotny	14221A Willard Road, Suite 400	Chantilly	VA/DC/MD Metro	VA	20151	703.378.1190