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# Local Solar 101: How to Harness the Sun in the DC Metro Area

Every hour the sun beams onto Earth more than enough energy to satisfy global energy needs for an entire year. At the CarbonfreeDC Solar 101 work shop, you'll learn how we can harness the sun using this carbon-free energy source. Presenters: Neville Williams, Standard Solar and Lesley Hunter, ACORE

## Installing Solar Energy Step-by-Step Process:



A qualified contractor can help you through each of these steps.

## Tax Incentives:

### District of Columbia

- Incentive Type: State Grant Program
- Eligible Technologies: Photovoltaics, Wind, Biomass, Geothermal Electric, CHP/Cogeneration, Small Hydroelectric, Fuel Cells using Renewable Fuels, Other Distributed Generation Technologies
- Incentive Amount: \$3 per Watt, capped at \$9,000

### Maryland

- Incentive Type: State Rebate Program
- Eligible Technologies: Solar Water Heat, Solar Thermal Process Heat, Photovoltaics
- Incentive Amount: \$2500 per Kilowatt, up to \$10,000

### Virginia

- Incentive Type: Property Tax Exemption
- Eligible Technology: Passive Solar Space Heat, Solar Water Heat, Solar Space Heat, Solar Thermal Electric, Photovoltaics
- Incentive Amount: Varies by county

## Resources:

- **FindSolar.com** – Find qualified solar professionals in your region, such as Standard Solar. Provides a step-by-step guide to installing solar technologies, as well as solar calculator to help determine the costs and benefits of solar energy systems for your location and building needs.
- **MDV-SEIA.org** – Maryland DC Virginia Solar Energy Industries Association. Has an overview of DC area tax incentives and some helpful resources.
- **DSIRE.org** – Comprehensive database of state and federal tax incentives for renewable energy
- **ASES.org** – American Solar Energy Society. The website has plenty of information, including a job board for solar energy careers.

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**This workshop is hosted by CarbonfreeDC.**



**CarbonfreeDC** ([www.carbonfreedc.com](http://www.carbonfreedc.com)) is a grassroots initiative dedicated to mobilizing the 5.3 million citizens in the DC Metro area to achieve one goal: **dramatically reduce local carbon emissions.**

Founded in July 2008, CarbonfreeDC works to reduce DC Metro area carbon emissions by:

- Educating citizens on how to reduce their carbon footprints through **workshops and field trips**
- Mobilizing members to form **“green teams”** in their offices
- Creating a **vibrant, engaged community** of local citizens committed to living more sustainably

### Get Engaged!

RSVP for upcoming workshops, become a CarbonfreeDC member and learn more at [www.carbonfreedc.com](http://www.carbonfreedc.com).

Questions? Ready to get involved? Contact Rhys Gerholdt, Organizer, at [rhys006@gmail.com](mailto:rhys006@gmail.com)

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