

# Solar as a Sustainability Approach in the Metropolitan Washington Region

October 6, 2011



**NARC**

*Building Regional Communities*

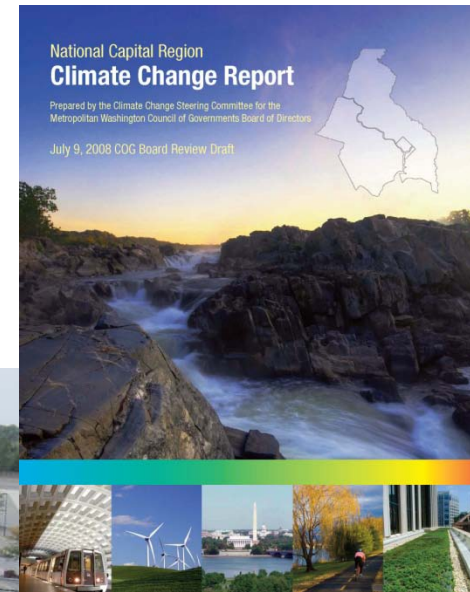


**SOLAR AMERICA  
COMMUNITIES**



# Solar Goals- Regional

- 1,000 solar roofs by the end of 2010
- 5,000 solar roofs by the end of 2011
- ***10,000 solar roofs by the end of 2012***



2 MW system at FedEx Field, September 2011

# Solar Goals- Arlington

Community Energy Plan

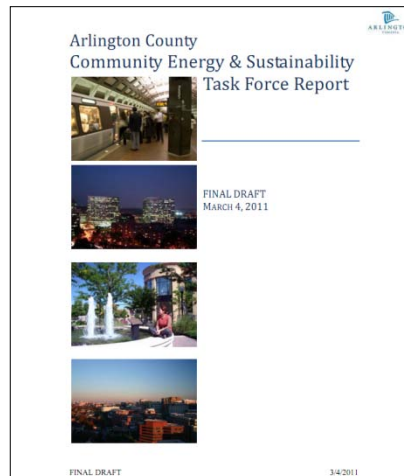
Recommendation:

- 160 MW solar PV by 2025

156.9 kW capacity

at end of 2010

(reported by Dominion)



Courtesy [www.arlingtonva.us](http://www.arlingtonva.us)

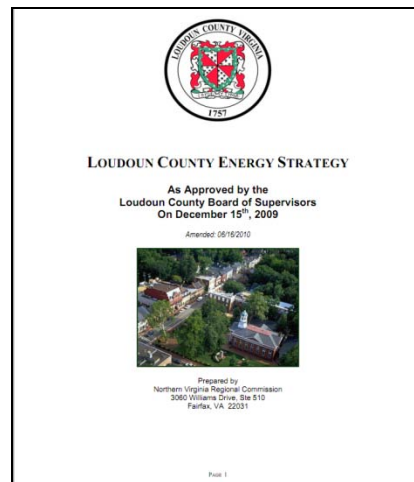
# Solar Goals- Loudoun



Courtesy [www.loudoun.gov](http://www.loudoun.gov)

## Community Energy Strategy Recommendations:

- 25 MW solar PV by 2016
- 100 MW solar PV by 2040



251.7 kW capacity  
at end of 2010

(reported by Dominion)

# Renewable Portfolio Standards: Solar Carve Out

- District of Columbia: 2.5% by 2023
- Maryland: 2% by 2022 (estimated 1,500 MW<sup>1</sup>)
- Virginia: no solar goal, voluntary 12% renewable by 2022<sup>2</sup>

<sup>1</sup> <http://www.renewableenergyworld.com/rea/news/article/2007/04/maryland-expands-rps-1500-mw-solar-by-2022-48102>

<sup>2</sup> 12% of 2007 sales, minus average amount generated by nuclear 2004 - 2006



# Where are We Now?

## Existing Capacity in the Region

- **9.77 MW in 1,057 solar installations**  
at the end of 2010

