

The Solar Panel

**Joe Harrison – NH Community
Development Finance Authority**

Andrew Kellar - NhSolarGarden

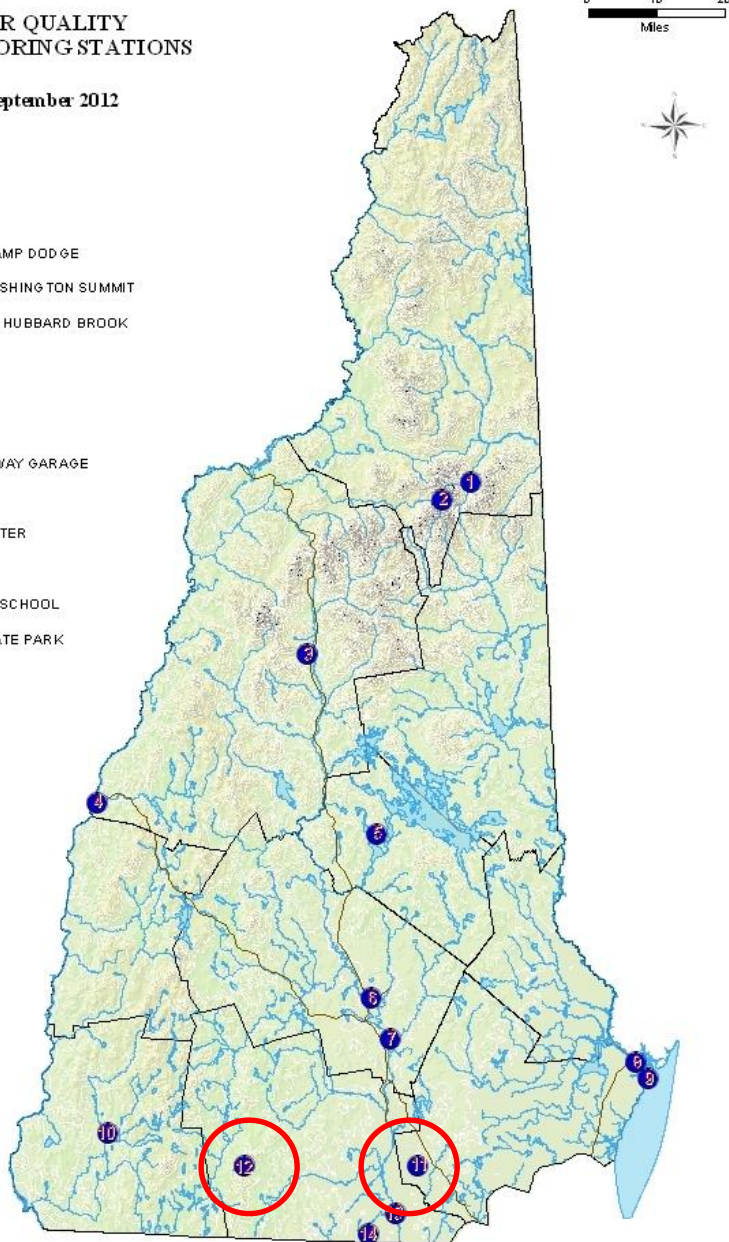
Clay Mitchell - UNH



AIR QUALITY
MONITORING STATIONS

September 2012

- 1 GREENS GRANT [AMC/DES/USFS], CAMP DODGE
- 2 SARGENTS PURCHASE [DES], MT WASHINGTON SUMMIT
- 3 WOODSTOCK [DES/HBRF/CASTNET], HUBBARD BROOK
- 4 LEBANON AIRPORT [DES]
- 5 LACONIA [DES], GREEN STREET
- 6 CONCORD [DES], HAZEN DRIVE
- 7 PEMBROKE [DES], PEMBROKE HIGHWAY GARAGE
- 8 PORTSMOUTH [DES], PIERCE ISLAND
- 9 RYE [DES], SEACOAST SCIENCE CENTER
- 10 KEENE [DES], WATER STREET
- 11 LONDONDERRY [DES], MOOSE HILL SCHOOL
- 12 PETERBOROUGH [DES], MILLER STATE PARK
- 13 NASHUA [DES], CROWN STREET
- 14 NASHUA [DES], GILSON ROAD



How do we measure Air Pollution in New Hampshire?

NH Department of
Environmental Services

Air Monitoring Stations

- 14 different locations
- Measure various pollutants and meteorological parameters
- Ozone, nitrogen oxides, small particles, sulfur dioxide, carbon monoxide, and volatile organic compounds (VOCs)

Londonderry – Moose Hill School

- 9 panels – 1800 W
- Panels didn't power entire station
- Keeps us under peak demand
- Added more equipment
- Adding 16 more panels – 4240 W



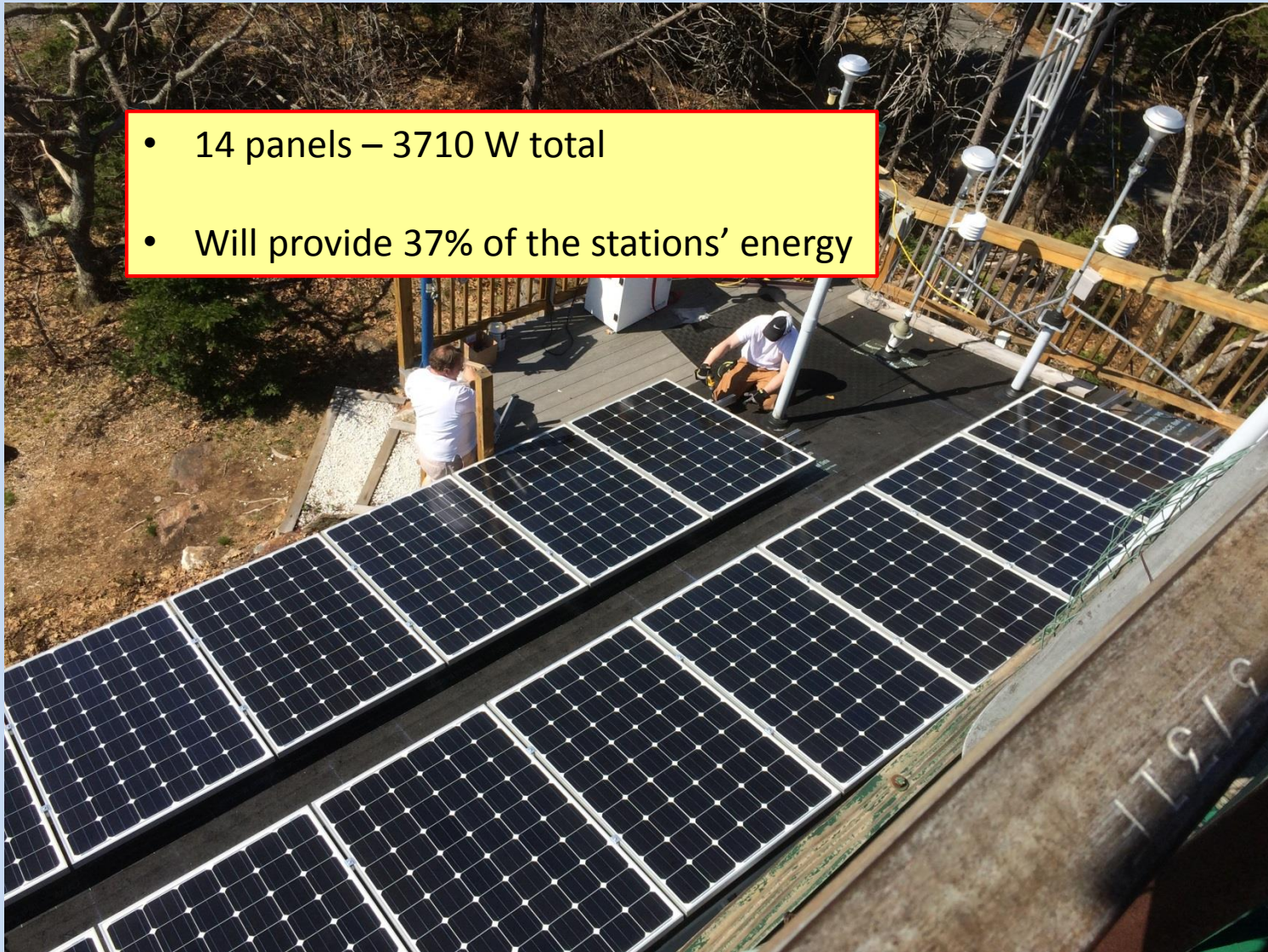
Pack Monadnock Miller State Park





Solar Panels being installed on
Pack Monadnock Air Monitoring Station

- 14 panels – 3710 W total
- Will provide 37% of the stations' energy



An aerial photograph of a building's roof covered with solar panels. On the right side of the roof, there is a complex of air monitoring equipment, including various sensors, pipes, and a small structure. The image is overlaid with a semi-transparent yellow rectangle containing text.

Solar Power at Air Monitoring Stations

- Utilized state capital energy efficiency funds, DES funds and PUC's rebate program
- Provide educational information at both locations
- Educate the public about air quality & how energy efficiency & solar power can be used to decrease pollution
- Support the use of solar power generation
- Save the state \$
- Save NH tax payers!

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