



## Stimulus Funds Allow for Solar Array at Chelmsford Water Treatment Facility

We are proud to power our water treatment plant with solar energy. As a municipality concerned with saving money, providing a known in the budgetary process, and reducing our carbon footprint through energy reduction and clean energy projects, we are grateful for the Recovery Act funding that has helped make this project a reality.

Robert Delaney, Superintendent for CWD

### PROJECT SPECIFICATIONS

Capacity	485.1 kW
Estimated Average Annual Production	583,000 kWh
Annual CO <sub>2</sub> Reduction	844,700 lbs
Incentives	Federal ARRA Funding
Components	2,310 Kyocera 210-watt solar modules Solectria inverter PanelClaw Panda Bear mounting system
Turnkey Installer	Nexamp, Inc

The Massachusetts Recovery and Reinvestment Office, the Chelmsford Water District, and Nexamp have completed one of the largest ground mounted solar array in Massachusetts. Completed in August, 2010, this 485.1 kW solar array will generate enough annual electricity to offset 844,680 lbs. of carbon dioxide, and will provide approximately half of the power for the water treatment facility.

“The completion of this Recovery Act solar project is a perfect example of the Patrick-Murray administration’s commitment to energy efficiency. Additionally, Nexamp was able to build up its business thanks to this stimulus-funded contract and the Chelmsford Water District will now benefit from significant energy savings,” said Jeffrey Simon, director of the Massachusetts Recovery & Reinvestment Act.

“Massachusetts has created a national model for making drinking water and wastewater treatment plants both energy efficient and on-site producers of clean energy. Through the effective investment of stimulus dollars, the Commonwealth is pleased to partner with Chelmsford on a project that further expands solar power in Massachusetts, puts people to work, and cuts carbon emissions in the course of protecting water quality and public health,” said Energy and Environmental Secretary, Ian Bowles.

### SYSTEM BENEFITS

- > Energy cost savings
- > Equivalent of taking 114 cars off the road each year or powering over 70 average Mass. homes annually