

The Jobs21! Campaign

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BLUEGREEN ALLIANCE



SIERRA
CLUB
FOUNDED 1897



CWA
Communications Workers of America



What is the Blue Green Alliance?

- National partnership of labor unions and environmental organizations
 - Works to expand the number and quality of **jobs in the green economy**.
 - Advocates for **workers' rights** around issues such as fighting against “right-to-work”, EFCA and worker health and safety.
 - Speaks out to change unfair **trade agreements** by adding binding labor and environmental standards.
 - Works to improve public health by **reducing toxics** in work places and communities.

Labor & Environment - History



Energy Efficiency & Weatherization

- Buildings = 40% of US global warming pollution and 70 % of electricity usage
- According to US DOE, weatherization services save residents at least \$350 per year

Weatherize your home

Area of home to focus on: Bedroom, Kitchen, Attic/crawlspace, Bathroom, Living room, Basement

Insulation, air leaks

- Brick homes are harder to insulate than wood frame homes and the costs often exceed the money saved, but insulation can be added to attic floors and sidewalls; floor and ceiling joists can also be insulated where they connect to the wall.
- Repairing air leaks and drafts in your home can reduce energy costs by 5 to 30 percent per year.
- Air leaks can occur at electrical outlets, light switch plates, window frames, baseboards and areas where the ceiling and floor meet; caulk or weatherstripping can typically resolve problems.

Lighting

- Incandescent lightbulbs can be replaced with high-efficiency compact fluorescent lighting (CFL) in high use areas of the home.
- Energy Star approved CFLs use about 75 percent less energy than an incandescent bulb and typically last 10 times as long.
- Annual savings can be \$5 to \$6 per CFL bulb per year and about \$30 over the life of the bulb.

Appliances

- Refrigerators are often the single biggest energy-consuming kitchen appliance, and, because they are operating constantly, purchasing a more efficient unit can save on energy costs.
- Energy Star approved refrigerators use 40 percent less energy than a standard model built in 2001 and about 50 percent less energy than models built before 1993; that's enough savings to light the average household for nearly four months!

Replacing windows

- About 20 percent of a home's energy is lost through windows, but adding storm windows or window treatments will help to reduce energy costs.
- Caulking or weatherstripping window frames can also reduce heating and cooling and the materials typically pay for themselves within a year.
- Very old or inefficient windows should be replaced; a typical 2,000 sq. ft. (116 sq. m) home would save approximately \$311 a year in heating costs by replacing old single-pane windows with Energy Star windows and \$78 a year when replacing double-pane windows.

Space heating

- One of the easiest ways to save money on heating costs is to turn down your thermostat during the winter.
- Every degree the thermostat is lowered for at least 8 hours can reduce energy bills by about 1.5 percent.
- If you are routinely away from the home, a programmable, or setback, thermostat can lower your home's temperature while you are out; prices start around \$25 and can save you \$180 a year in heating costs.
- Check the air filter on your heating system monthly and have an annual tune-up to improve its efficiency; consider replacing units more than 15 years old.

Water heating

- Most of the homes tested have water heaters set at 120 to 140°F (49 to 60°C); skin burns at 112°F (44°C), so set the water heater's temperature low enough to avoid scalding but high enough for washing clothes and dishes; 120°F (49°C) is the typical recommendation.
- Insulating jackets, available for \$10 to \$20, can be added to water heater tanks and save you 4 to 9 percent on heating costs; water pipes can also be easily and inexpensively insulated to keep in heat.
- Low-flow showerheads can reduce the pressure on water heaters and also help prevent unneeded water consumption.

Source: U.S. Department of Energy, U.S. Environmental Protection Agency
Graphic: Chicago Tribune

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Moving Forward with Energy Efficiency



Green Schools

- Currently 7 LEED certified school buildings in MN
- Healthier learning environments, healthier workplaces, cost-savings for taxpayers, and job creation for building & construction trades



Transit & Transportation Issues

- Multi-modal transportation critical for Minnesotans



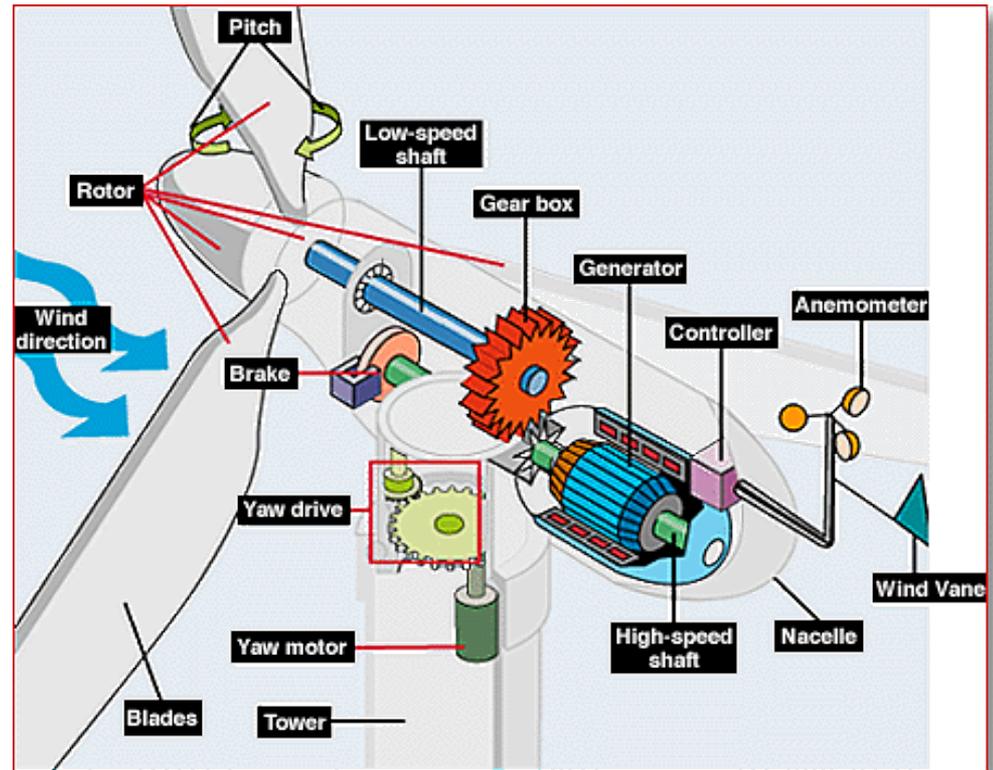
- We need to invest in our state's crumbling infrastructure – roads and bridges statewide -- as well as in public transit, high-speed rail, biking and walking options

Broadband Expansion

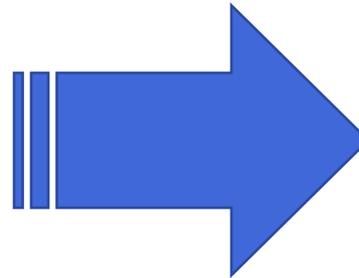
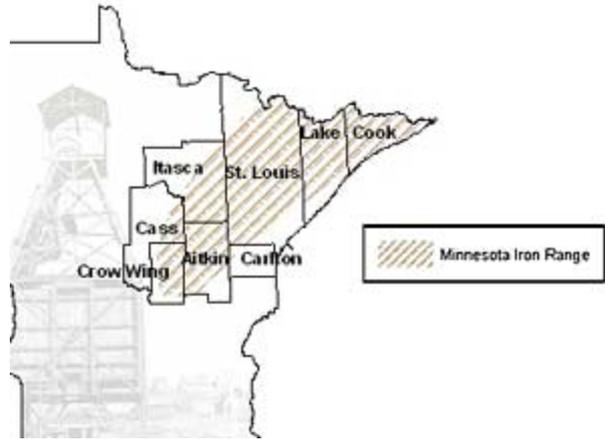


Clean Energy Supply Chain

- Wind turbines and solar panels contain thousands of manufactured components
- Commercial wind turbines contain hundreds of tons of steel in their towers and blades



Clean Energy Supply Chain



Job Training & Workforce Development

- We need to be training & retraining workers for the good 21st Century Jobs in the Clean Energy Economy



Green **POWER** 

A National Jobs Plan for the 21st Century

Leading the world in the 21st century economy requires a 21st century infrastructure.

Investments in the industries of the future will reap jobs for middle-class Americans, confront climate change and stabilize our nation's energy future. Building this infrastructure includes:

- **Renewable Energy**: A federal Renewable Energy Standard of 25 percent by 2025, long term extension of 1603 tax credits and targeted investments in renewables like wind, solar, geothermal and biomass.
- **Manufacturing**: A national manufacturing strategy that emphasizes building the components of clean energy and advanced auto manufacturing in the U.S., including the 48C Advanced Energy Manufacturing Tax Credits, revolving loan funds for small and medium manufacturers (IMPACT Act), and other measures to provide access to capital for manufacturers making the transition.
- **Chemicals, Public Health & Green Chemistry**: Improving the health and safety of workers and communities through the development of safer and healthier products and practices and reform of the Toxic Substances Control Act and the Occupational Safety and Health Act
- **Transportation**: Reauthorization of the Surface Transportation Act, rebuilding & expanding the nation's infrastructure to ensure the efficient movement of people and goods, including a more fuel-efficient vehicle fleet.
- **National Infrastructure Bank**: Mobilize private and public capital to meet the needs of our deteriorating infrastructure in water, sewer, and government structures.
- **Efficiency & Construction**: Retrofitting our nation's building stock for efficiency while creating good construction jobs through Homestar, Building Star, and other retrofitting programs like PACE Bonds and performance-based contracting.
- **Broadband**: Building a nationwide broadband network ensuring access to high-speed internet across the country.
- **Smart Grid and Transmission Expansion**: Ensuring the infrastructure to efficiently move cleaner forms of energy from production regions to consumption centers.

Get Educated! Get Involved!

- Visit www.bluegreenalliance.org for much more research, information and updates
- For more information:

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