



# **Green Economy Jobs**

## ***2008 Survey Summary***

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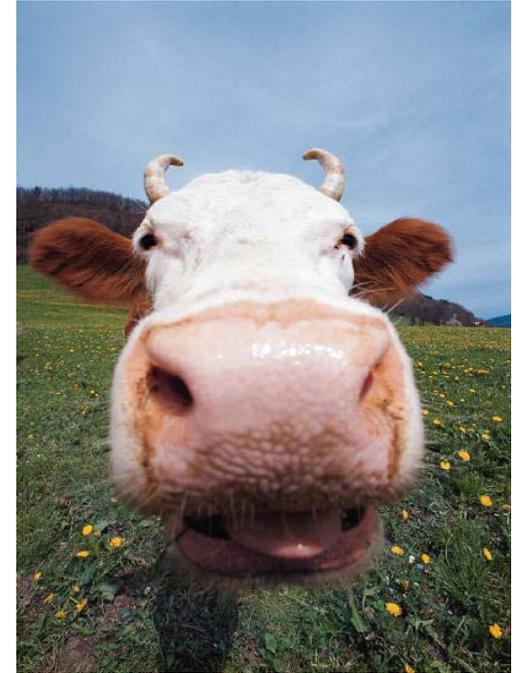


# Background

- ✦ Governor's executive order #07-02 set goal of 25,000 green jobs by 2020.
- ✦ 2008 legislation directed Employment Security to research the number of green jobs in Washington.
- ✦ 2009 legislation directed a series of follow up studies to cover public and private sector green jobs.



# What's Green?





# First step: *Define green jobs*

- ✦ Development of products and services that promote environmental protection and energy security.
- ✦ Businesses engaged in:
  - Energy efficiency
  - Renewable energy
  - Preventing and reducing pollution
  - Mitigating or cleaning up pollution



# Next step: *The survey*

- ◆ Scientifically sound design.
- ◆ Direct, private-sector green jobs.
- ◆ More than 9,500 responses.
- ◆ Results weighted to represent green jobs in all sectors.
- ◆ Baseline from which to measure future change.



# Key results

- ◆ Estimated 47,194 private-sector green jobs in August 2008.
- ◆ 1.6% of all private-sector jobs.
- ◆ 87% of green jobs are full-time; 13% are part-time.
- ◆ Few new or unique “green” job titles.



# Results by green economy sector

- ✦ **Energy efficiency:** 53% of all green jobs.  
More than two-thirds in construction.
- ✦ **Prevent/reduce pollution:** 33% of green jobs.  
More than half in agriculture.
- ✦ **Clean/mitigate pollution:** 9% of green jobs.  
Mostly professional/technical services and waste management & remediation.
- ✦ **Renewable energy:** 4% of green jobs.  
Mostly construction and professional/technical services.



# Results by top industries

**86% of green jobs are in 6 industries**

- ✦ Specialty-trade construction, 30%
- ✦ Professional/technical services, 16%
- ✦ Crop production, 15%
- ✦ Building construction, 14%
- ✦ Waste management & remediation, 6%
- ✦ Agriculture & forestry support, 5%



# Results by geography

- ✦ **Urban:** mostly energy-efficiency construction jobs.
- ✦ **Rural:** mostly pollution-reduction jobs in agriculture.
- ✦ **Seattle/King Co.:** 30% of all green jobs. Mostly energy-efficiency.
- ✦ **North/South Central WA:** 18% of green jobs. Mostly preventing/reducing pollution.



# Results: economic & educational

- ✦ Green jobs worth >\$2.2 billion a year.
- ✦ Highest pay: managers, engineers, electricians, skilled trades.
- ✦ Lowest pay: insulation installers, general laborers, agricultural workers.
- ✦ Majority of jobs (approx. 80%) require less than a four-year degree for entry.



# Employment and Green Jobs

- ◆ Recessions and Forecasts
- ◆ Employment Growth Lags Recovery
- ◆ Growth Rates vs. Employment Base  
Ex: Architects (3%), Carpenters (0.7%)
- ◆ State Economic Strategy-Job Creation
- ◆ Workforce of the Future?
- ◆ What Employers Want and Need



# Conclusions

- ✦ Green jobs permeate the economy.
- ✦ Rather than a separate green economy, we have a “greening” economy.
- ✦ Concentration of green jobs in energy-efficiency sector reflects decades of investment.
- ✦ Economic upheaval, recovery presents opportunities.



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