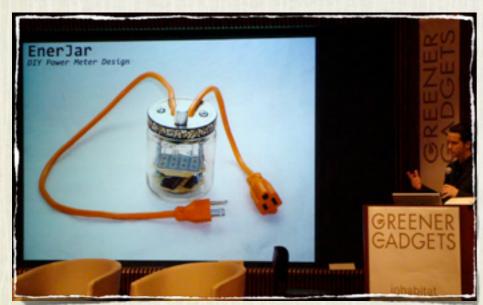
Bamboo Solar House





Aquarium





DIY Power Meter





Sun Pod?

GREEN JOBS

GREEN DREAM JOBS

What are they, and where can I get one?

AGENDA

- Introductions (5 minutes)
- Expectations (5 minutes)
- Slide presentation overview of Green Jobs (15 minutes)
- Industry perspective by SunPods co-founder Michael Gumm (15 minutes)
- Q&A from participants (5-10 minutes)



Mission Motors' Mission One EM

INTRODUCTIONS



SunPods, Inc. SP300

EXPECTATIONS

Perspectives | Policy

Elliott Negin: July 29, 2010

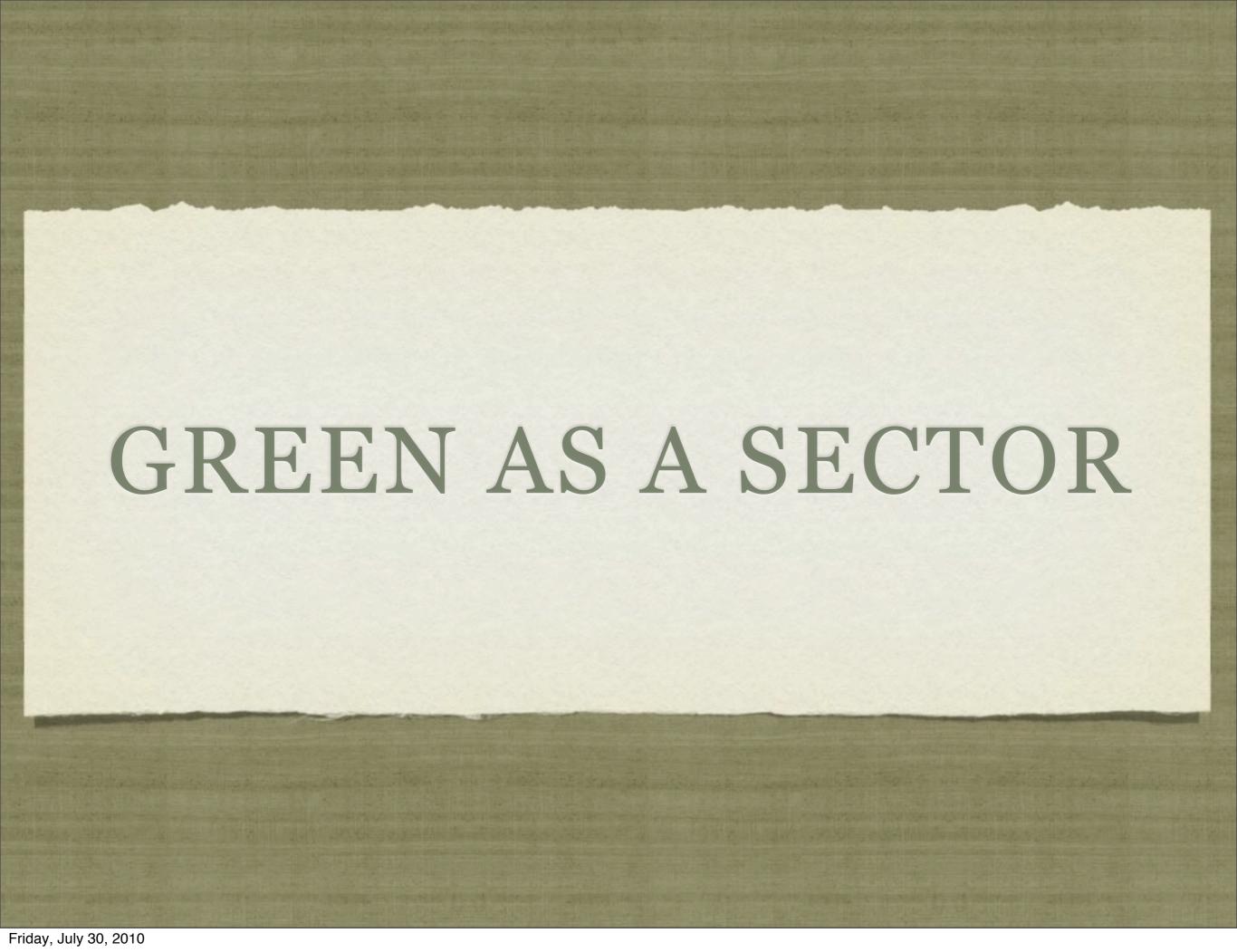
Renewable Energy Would
Create More Jobs Than
Nuclear Power

The Union of Concerned
Scientists weighs in on the
nuclear vs. renewables debate.

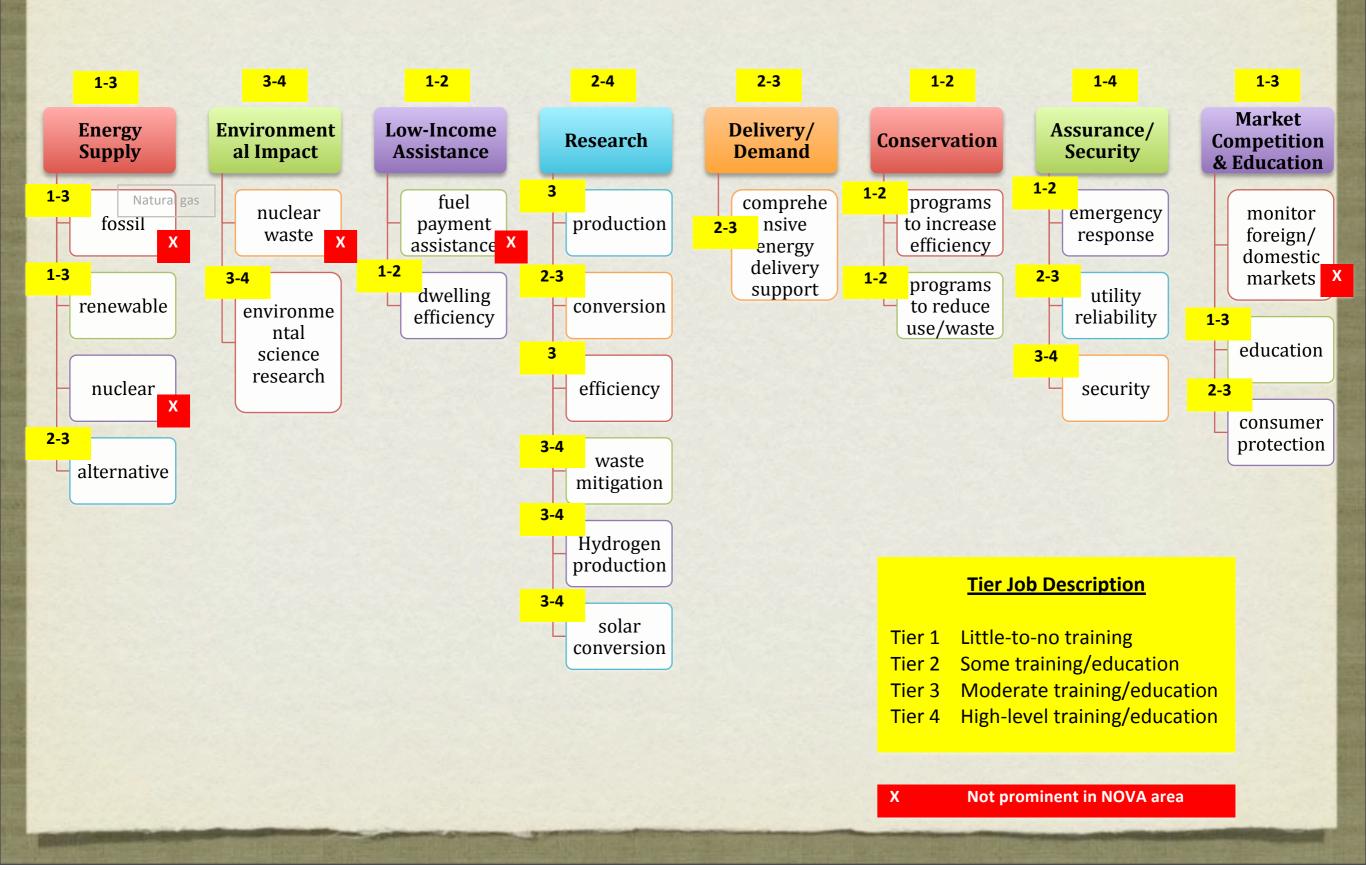


GREEN JOBS 101

Overview of the industry



GAO 8-Sectors of Energy with work Tier designations



THE FIFTEEN SEGMENTS OF THE CORE GREEN ECONOMY

GREEN SEGMENT	DESCRIPTION	
Energy Generation	 Renewable energy generation (all forms of solar, wind, geothermal, biomass, hydro, marine & tidal, hydrogen, co-generation) 	 Renewable energy consulting services Research & testing in renewable energy
	 Associated equipment, controls, and other management software and services 	
Energy Efficiency	Energy conservation consulting and engineering services	• Energy efficiency research
	Building efficiency products and services	Energy efficiency meters & measuring devices
	Alternative energy appliances (solar heating, lighting, etc.)	
Transportation	Alternative fuels (biodiesel, hydrogen, algae and biowaste-based ethanol and feedstock-neutral infrastructure)	Motor vehicles & equipment (electric, hybrid, and natural gas vehicles, diesel technology)
Energy Storage	 Advanced batteries (Li-Ion, NiMH) Battery components & accessories 	• Fuel cells
	Datiery compensation a accessories	
Air & Environment	Emissions monitoring & control	Environmental remediation
	Environmental consulting (environmental engineering, sustainable business consulting)	
Recycling & Waste	Consulting services	Recycling machinery manufacturing
	Recycling (paper, metal, plastics, rubber, bottles, automotive, electronic waste and scrap)	Waste treatment

Water & Wastewater	 Water conservation (control systems, meters & measuring devices) Development and manufacturing of pump technology 	Research and testingConsulting servicesWater treatment and purification products and services
Agriculture	 Sustainable land management and business consulting services Sustainable supplies and materials 	Sustainable aquaculture
Research & Advocacy	 Organizations and research institutes focused on advancing science and public education in the areas of: renewable energy and alternative fuels and transportation. 	
	Environmental law legal services	Green staffing services
Business Services	Green business portals	Green marketing and public relations
Finance & Investment	Emission trading and offsetsVenture capital and private equity investment	 Project financing (e.g. solar installations, biomass facilities, etc.)
Advanced Materials	Bioplastics and others	New materials for improving energy efficiency
Green Building	Design & constructionBuilding materials	Site managementGreen real estate & development
Manufacturing & Industrial	Advanced packagingProcess management	Industrial surface cleaning
Energy Infrastructure	Consulting and management services	Cable & equipment

From Collaborative Economics' "Many Shades of Green" report (2009). Source Doc: http://www.coecon.com/manyshades.html

GREEN AS A SKILL SET

- Efficiency in established industries
 - HVAC specialist considering efficiency
 - architect designing high-performance buildings with solar panel space
 - server bank operator using racks and curtains to improve airflow, cooling to reduce AC use
 - utility company installing AMI
 - co-worker charged with green training (recycling education, turning off monitors, etc.)
 - government employee researching energy sector jobs

GREEN AS A SKILL SET

- Services, Support Related to Green, CleanTech
 - Patent, Environmental Law
 - Policy local, state, federal, international
 - Health disparity, environmental public health
 - Grant subject matter expert

- mobile apps programming to show performance or calculations
- market research analyst
- eco-journalist
- "to-market" support positions
- VC funding
- grant writer

GREEN AS A SKILL SET

- solar panel cleaning, maintenance
- system installers (Geek Squad)
- non-potable water fragrance tabs (lavender sales person)
- green trainer, educator
- website services
- sales people
- recycling artist

- event, conference planner
- automobile maintenance (EV knowledge)
- ancillary manufacturing
 - inverters
 - EV components (Tesla badge)
- in-house efficiency auditor
- shipper, delivery

TRENDS

- EV's are heading mainstream
 - 1.5 chargers per EV sold
 - solutions needed for renters
 - better, more efficient charging and storage solution
 - leading EV
 manufacturers are
 making components for
 other EV players

- SmartGrid deployment meets federal mandate
- Solar industry is shifting to copper, sulfur
- SilverSpring vs WiMax is the new VHS vs BetaMax
- Technology without Application
- He who solves storage rules the world

TREND RESOURCES

- earth2tech.com
- greentechmedia.com
- theenergycollective.com
- pikeresearch.com
- cleantechopen.com
- connectivityweek.com

- wired.com
- The Green Wombat
- twitter.com
- linkedin.com groups

BREAKING LMI

- 237 Emerging Green Employer Firms in Silicon Valley that received VC funding over the past 7 years (1st glance)
 - Energy Generation 94 firms, 40%
 - •Energy Efficiency 54 firms, 11%
 - Energy Storage 20 firms, 8.4%
 - •Materials 15 firms, 6.3%
 - •Transportation 13 firms, 5.5%
 - Energy Infrastructure, 12 firms, 5%
 - •Air, Environment, 11 firms, 4.6%



Wired Readers Show BP How to Use Photoshop

INDUSTRY PERSPECTIVE



'Let's land before the eye turns this way'

QUESTIONS?