



# THE **GREEN** ENERGY MOVEMENT:

HOW DISRUPTIVE TECHNOLOGIES HAVE IMPACTED THE  
**ENERGY** SECTOR

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# What is “Green” Energy?

- ▶ Energy that is derived from resources that are naturally replenished on a human timescale.
- ▶ EX. Wind, Solar, Hydro, Biofuels, Geothermal, Wave, Tidal.
- ▶ Also referred to as Renewable Energy, Clean Energy, etc..

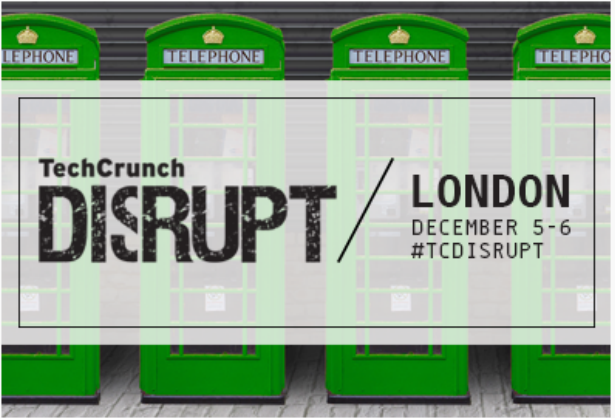
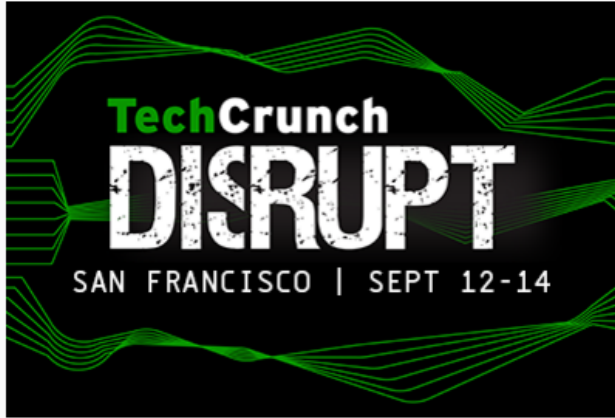
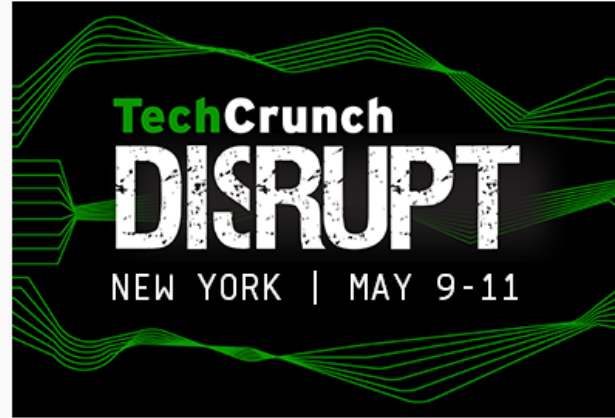
# What are Disruptive Technologies?

- ▶ An innovation that displaces an established technology and affects an entire industry to its core.
- ▶ A product/innovation that creates a completely new industry.
- ▶ Usually focus on solving a specific problem within an industry.
- ▶ Can cause major economic, legal, & regulatory issues within their industry

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# Disrupt

## Upcoming Events



## Past Events

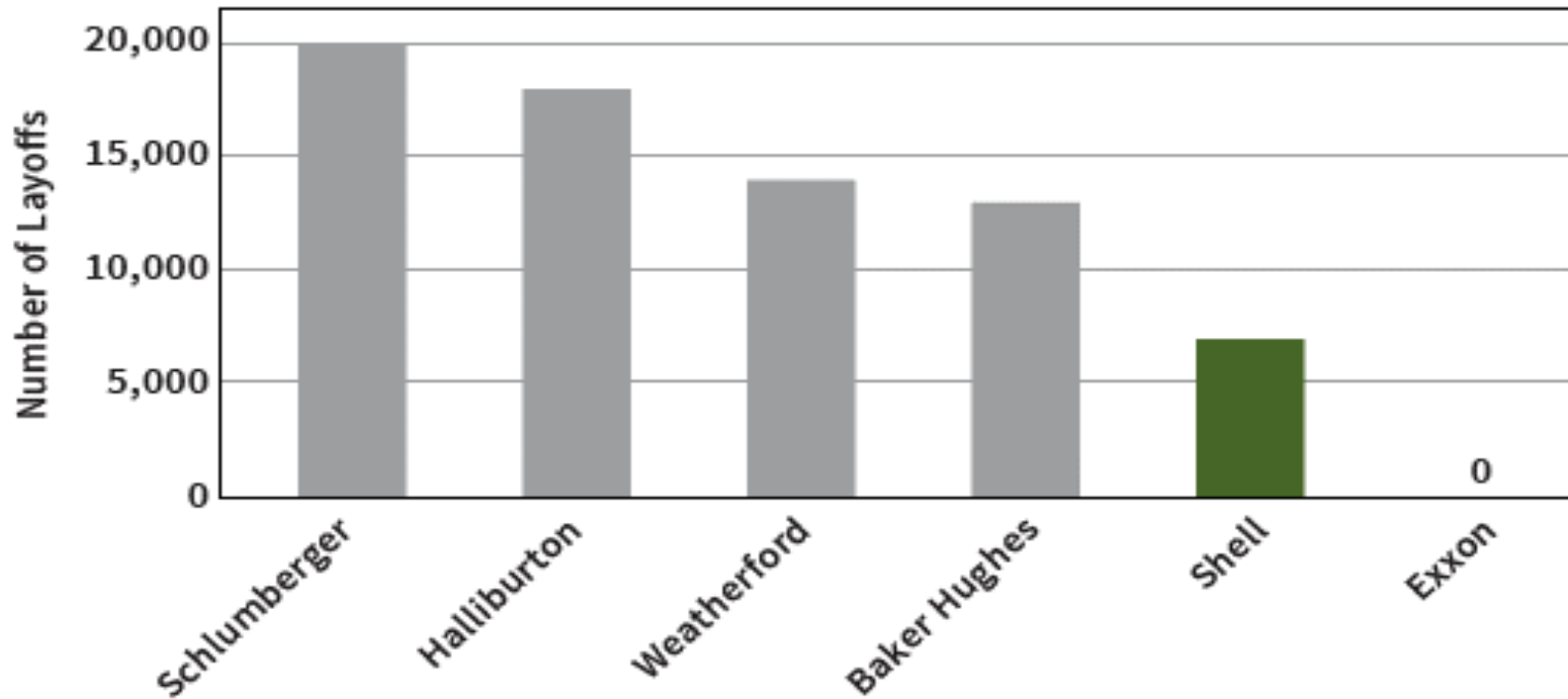
# Renewable Energy as a Disruptive Technology: Good or Bad?

# Re-molding Of The Energy Sector

- ▶ The pressure from The Disruptive Innovation (Renewable Energy Industry) along with other external factors, cause changes in:
- ▶ Governmental/Regulatory policies
- ▶ Economic Prospects
- ▶ Competitive Edge

## 2015 Oil Layoffs By Company

The OFS sector has fired more workers than any other energy sector in 2015. Among the Big Oil corporations, Shell has the highest number of layoffs with 7,000, while Exxon remains one of the few firms to not cut a single employee so far.



Sources: Forbes, Continental Resources, Money Morning Staff Research

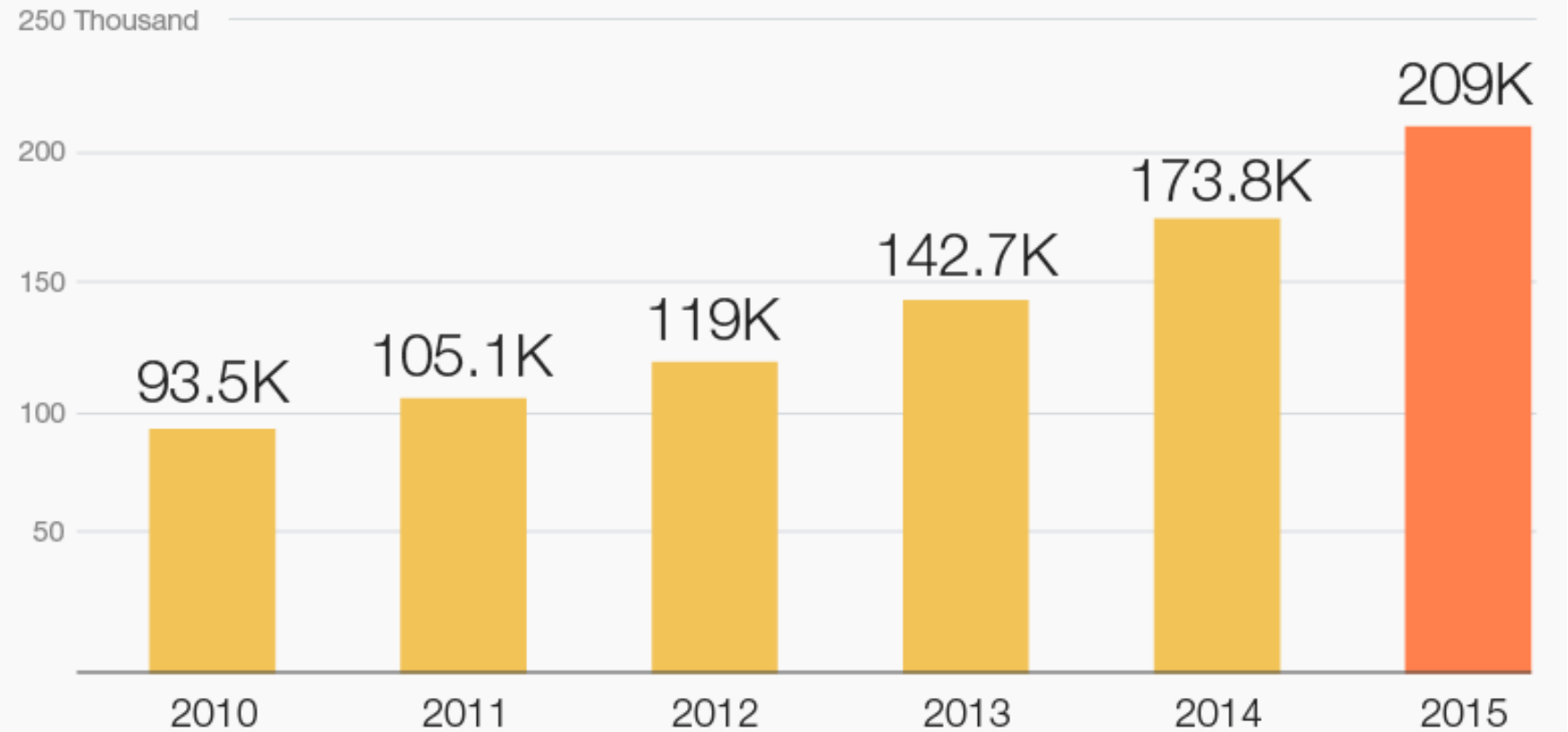
# New Opportunities!

- ▶ Renewable Energy companies are actively hiring for all facets of the business
- ▶ Public-private partnerships offer incentives for training & education in renewable energy field.
- ▶ Federal/State Tax rebates offered to businesses & individuals who go “Green”



## The solar energy job boom

Total employment in solar energy industry 2010-2015

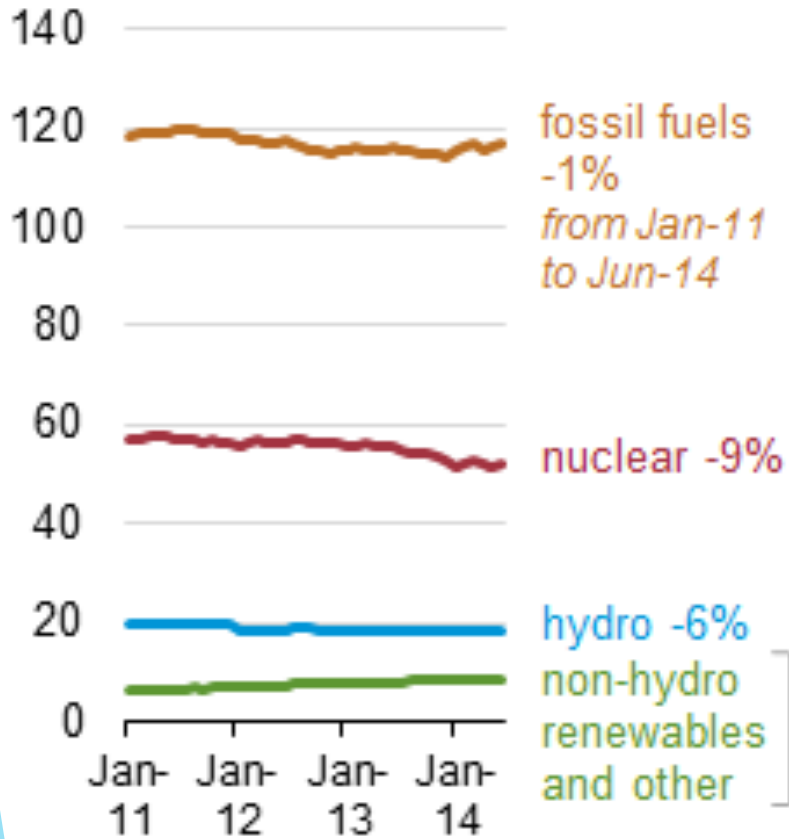


SOURCE: THE SOLAR FOUNDATION

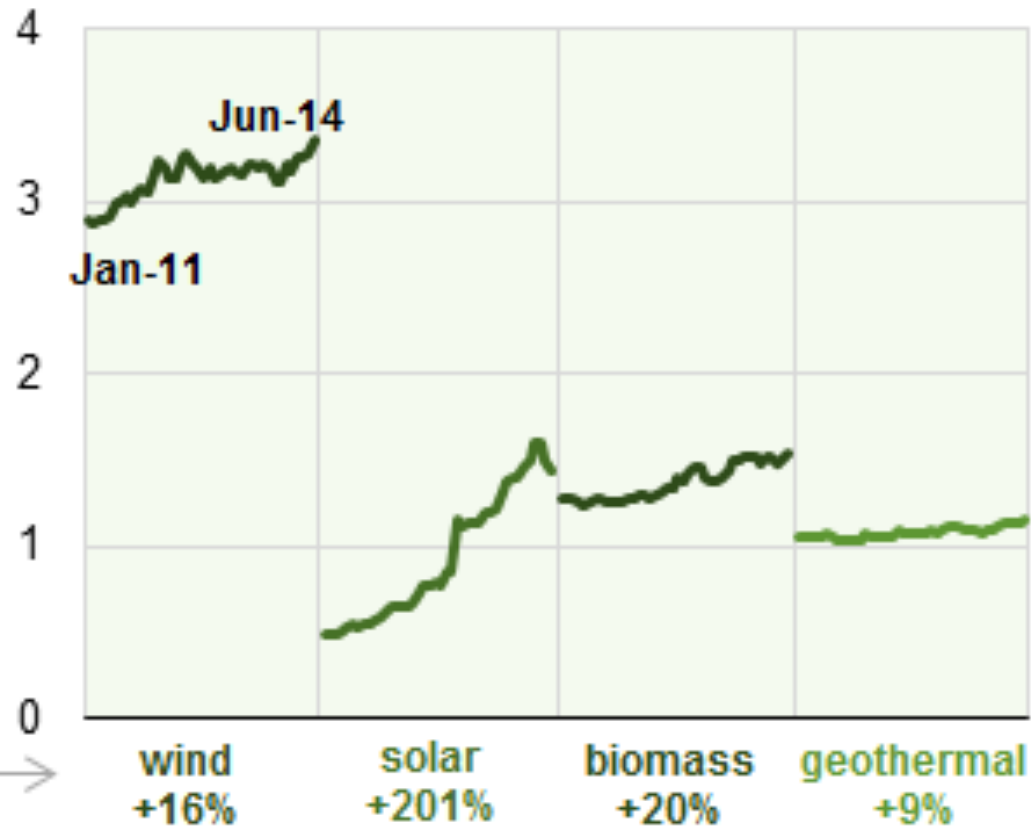
# U.S. electric power sector jobs in generation by energy source (Jan 2011 - June 2014)



thousands of jobs



thousands of jobs



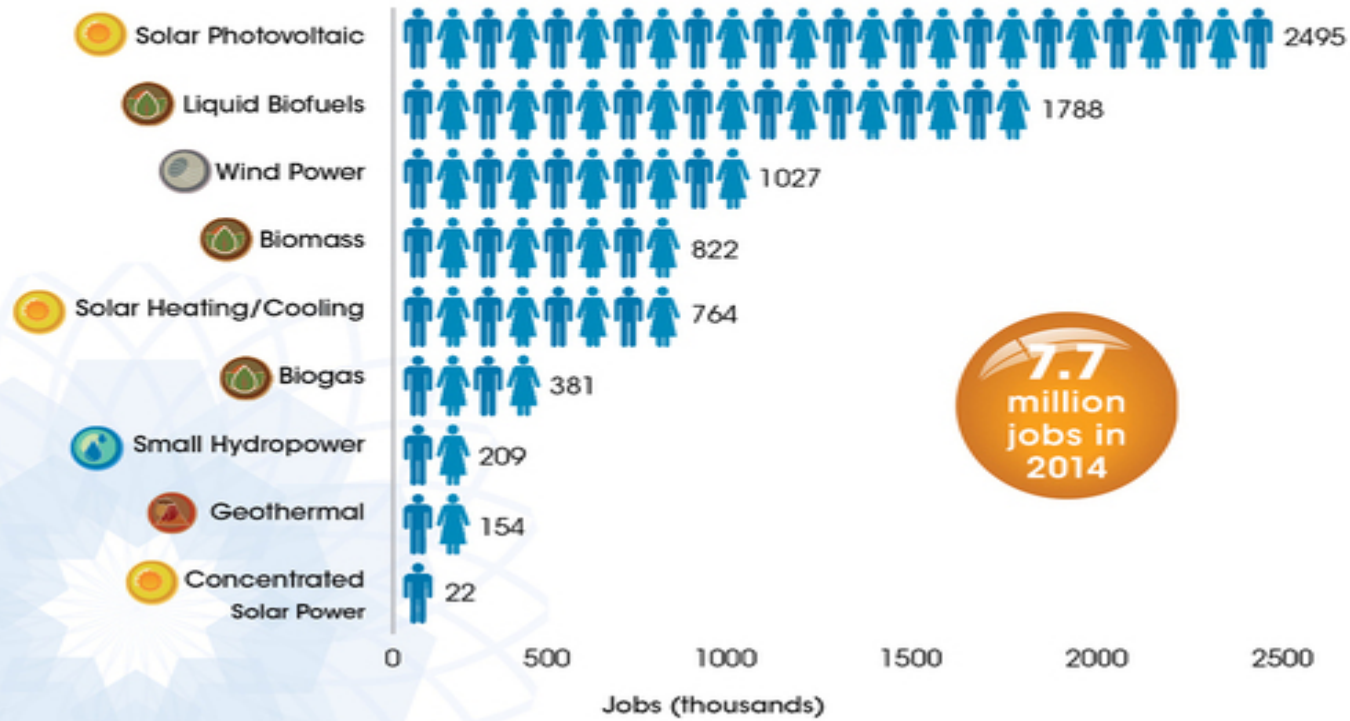
# Renewable Energy and Jobs

Annual Review 2015

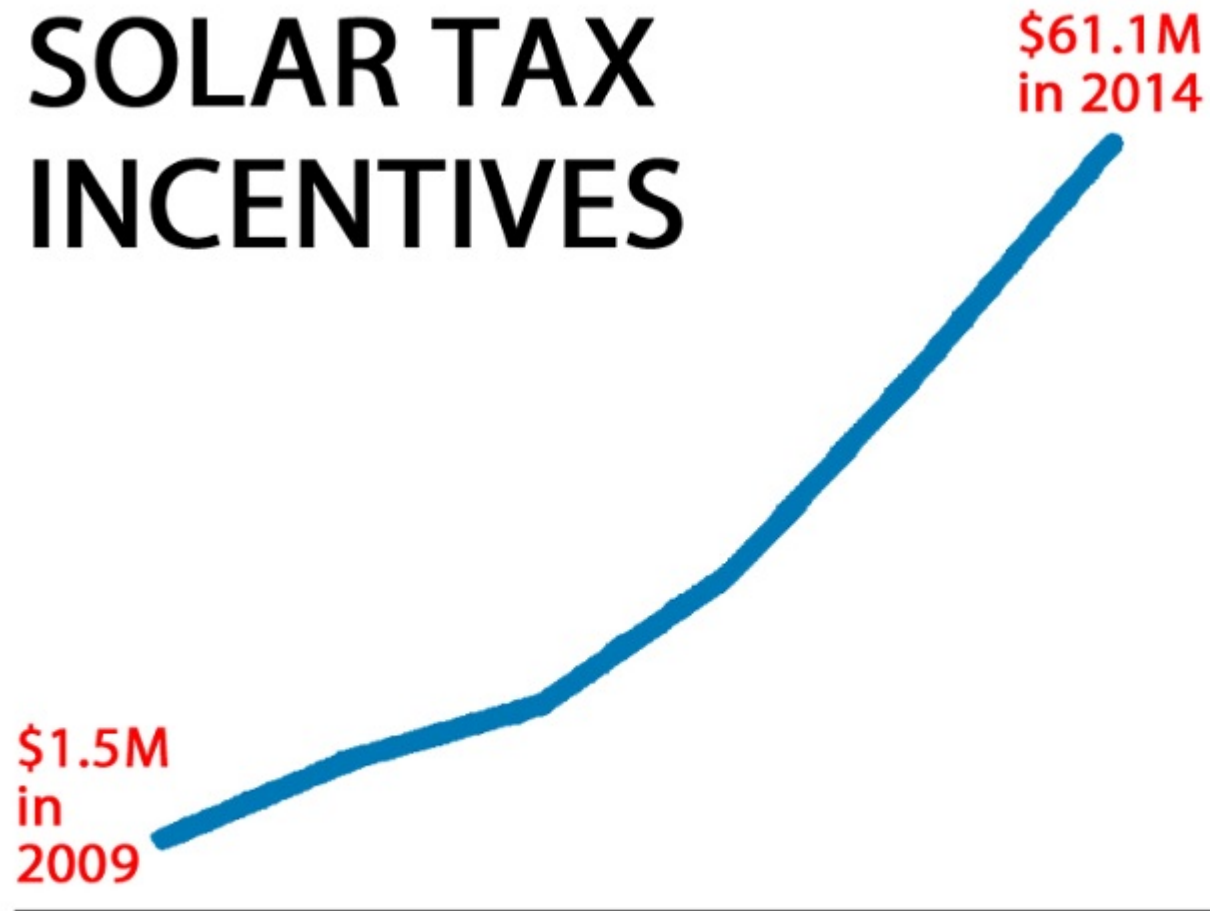


#rejobs

## RENEWABLE ENERGY EMPLOYMENT BY TECHNOLOGY



# SOLAR TAX INCENTIVES



Source: La. Dept. of Revenue  
Advocate graphic

# Resources

- ▶ US Energy Information Administration
- ▶ The Institute for Energy Research
- ▶ National Renewable Energy Laboratory

# References

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