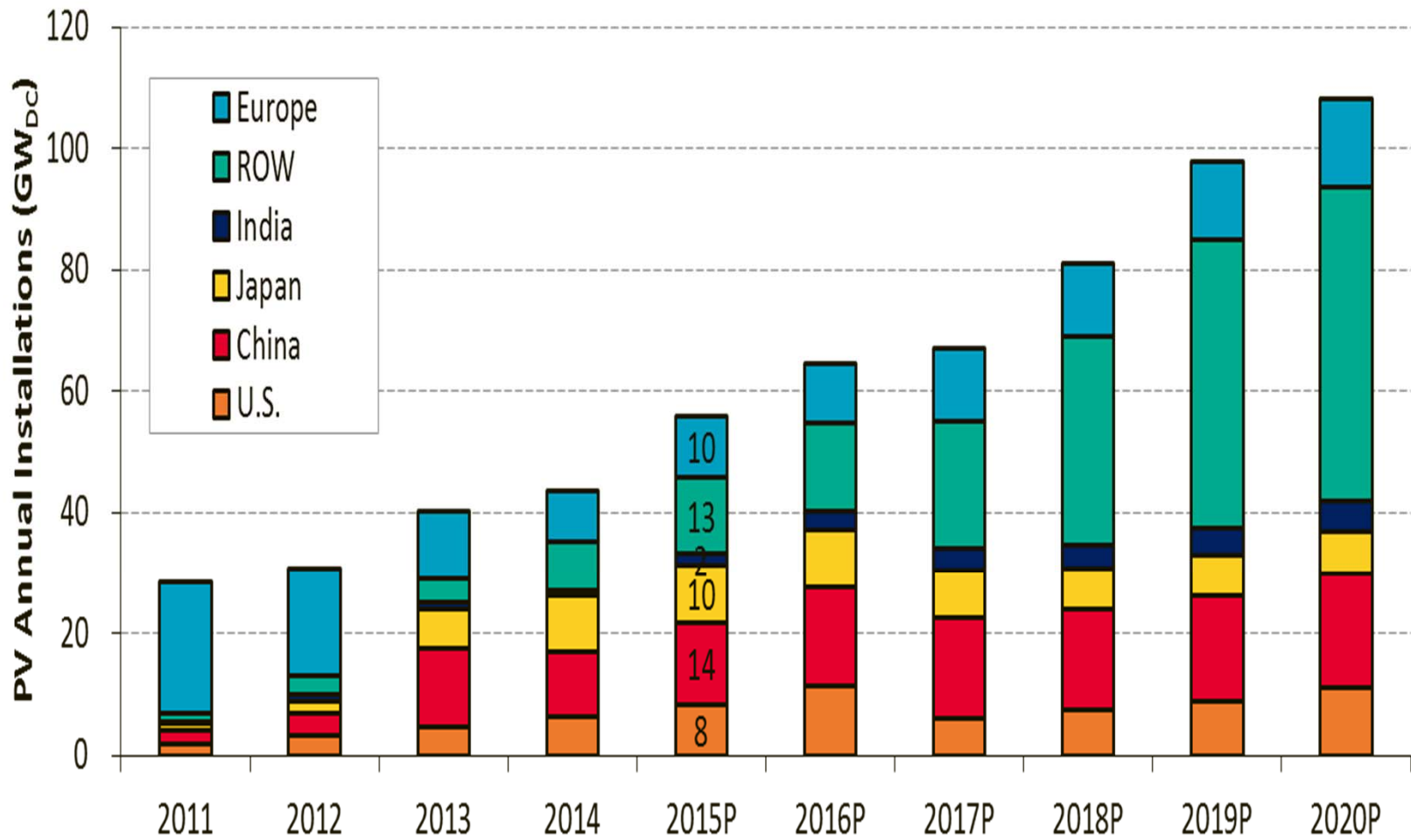
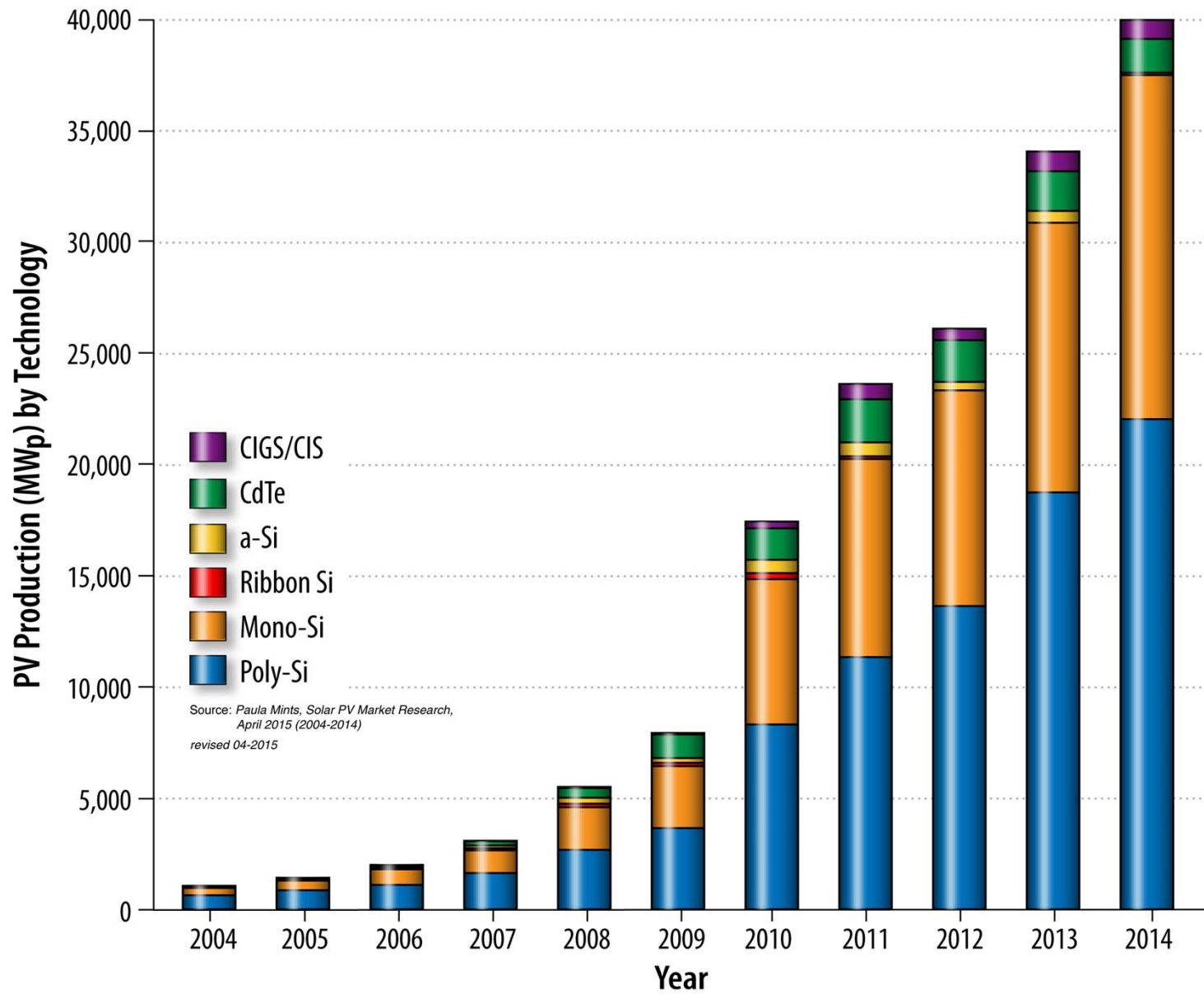


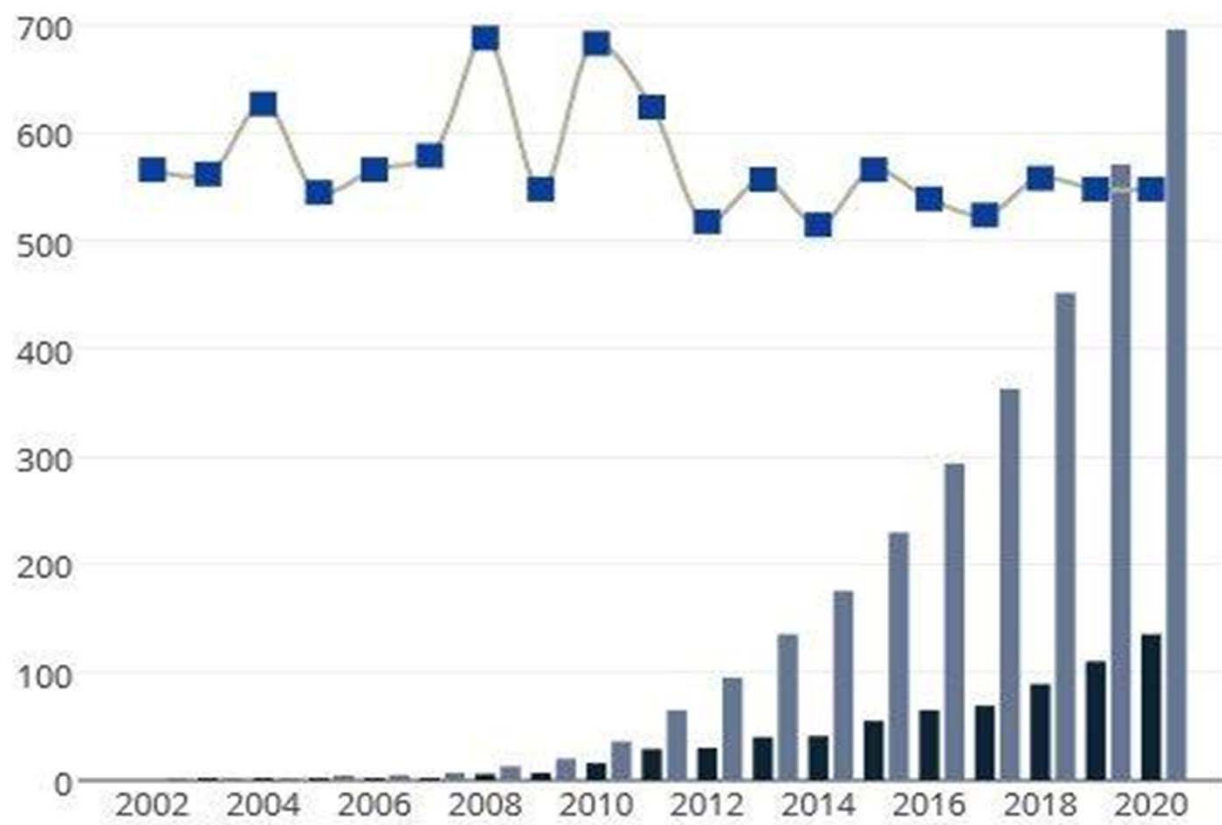
# World Photovoltaic Production and World Market – 2015 and Beyond

K. J. Touryan, Ph.D.

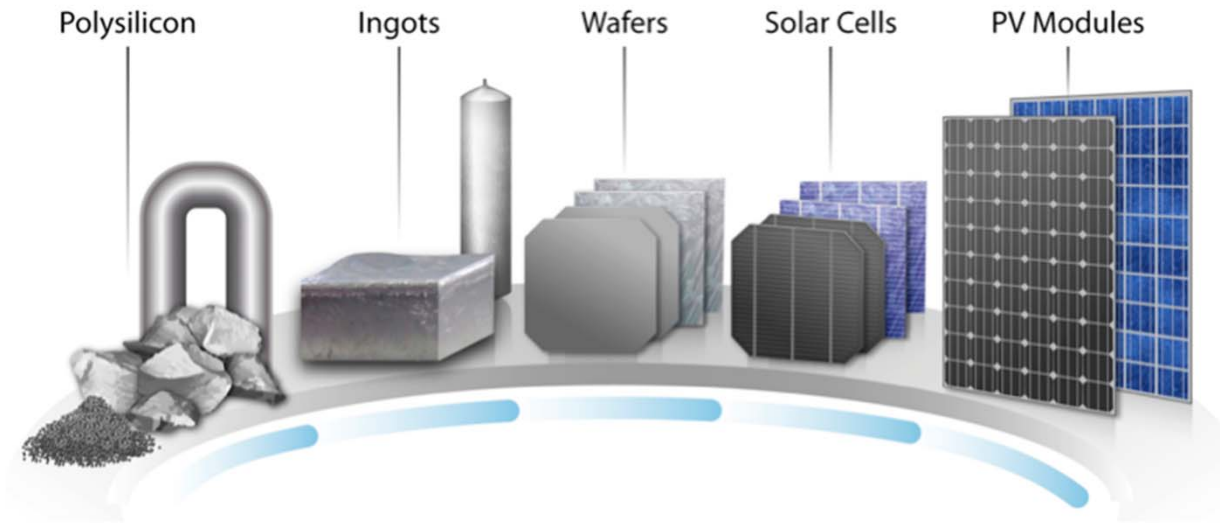




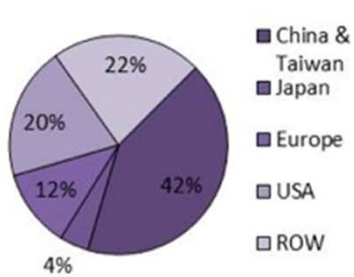




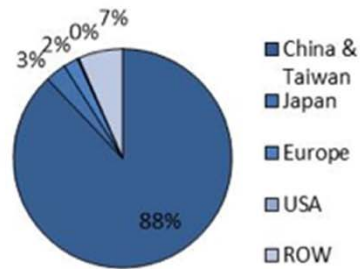
[Edit chart »](#)



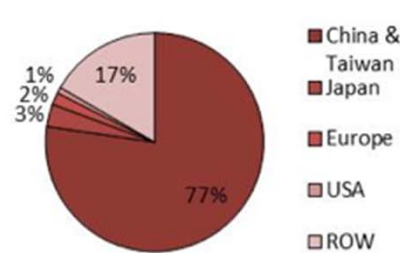
**Polysilicon Capacity**



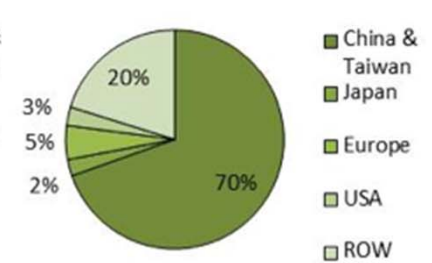
**Ingots & Wafer Capacity**



**Cell Capacity**

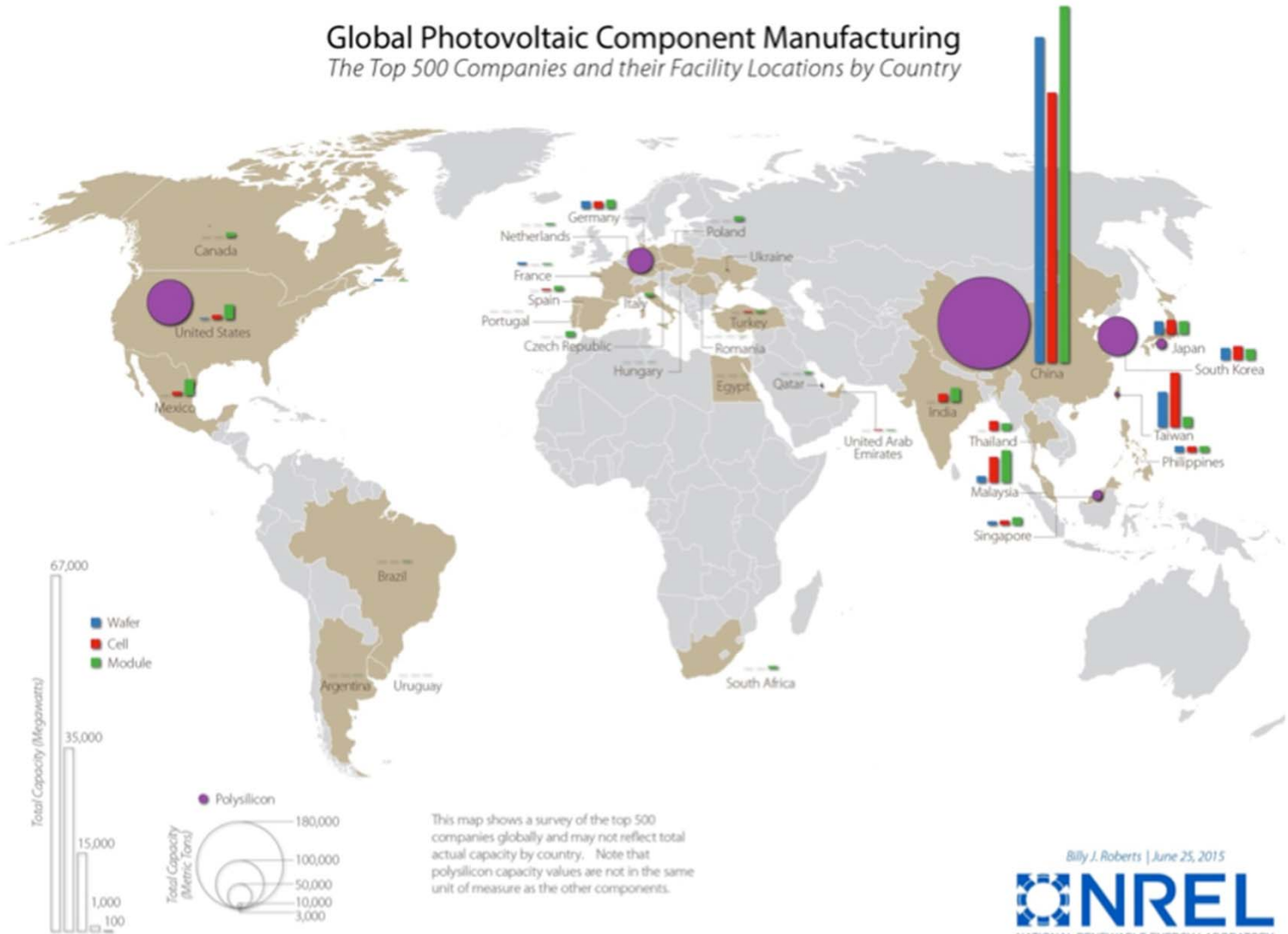


**Module Capacity**



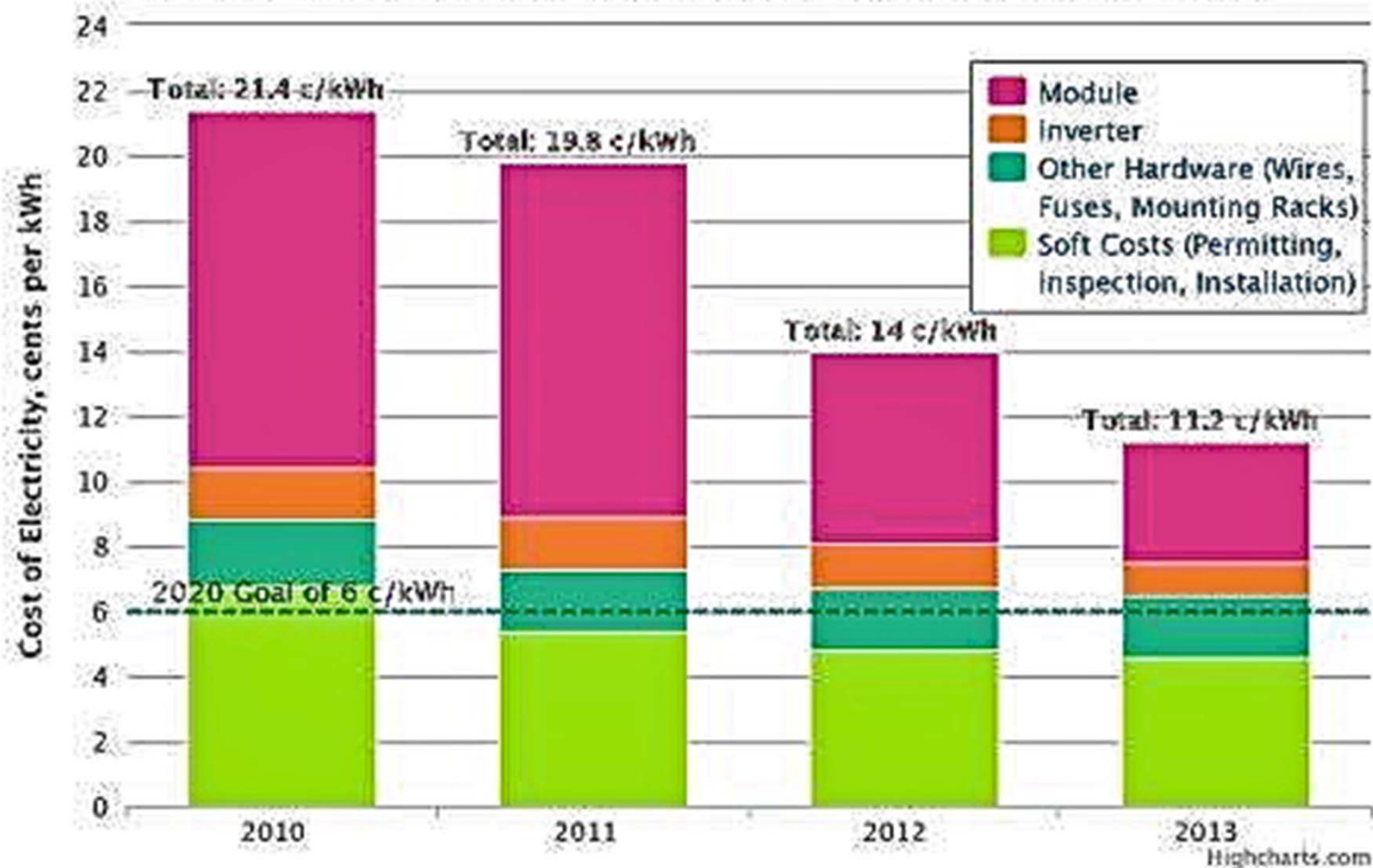
# Global Photovoltaic Component Manufacturing

## The Top 500 Companies and their Facility Locations by Country



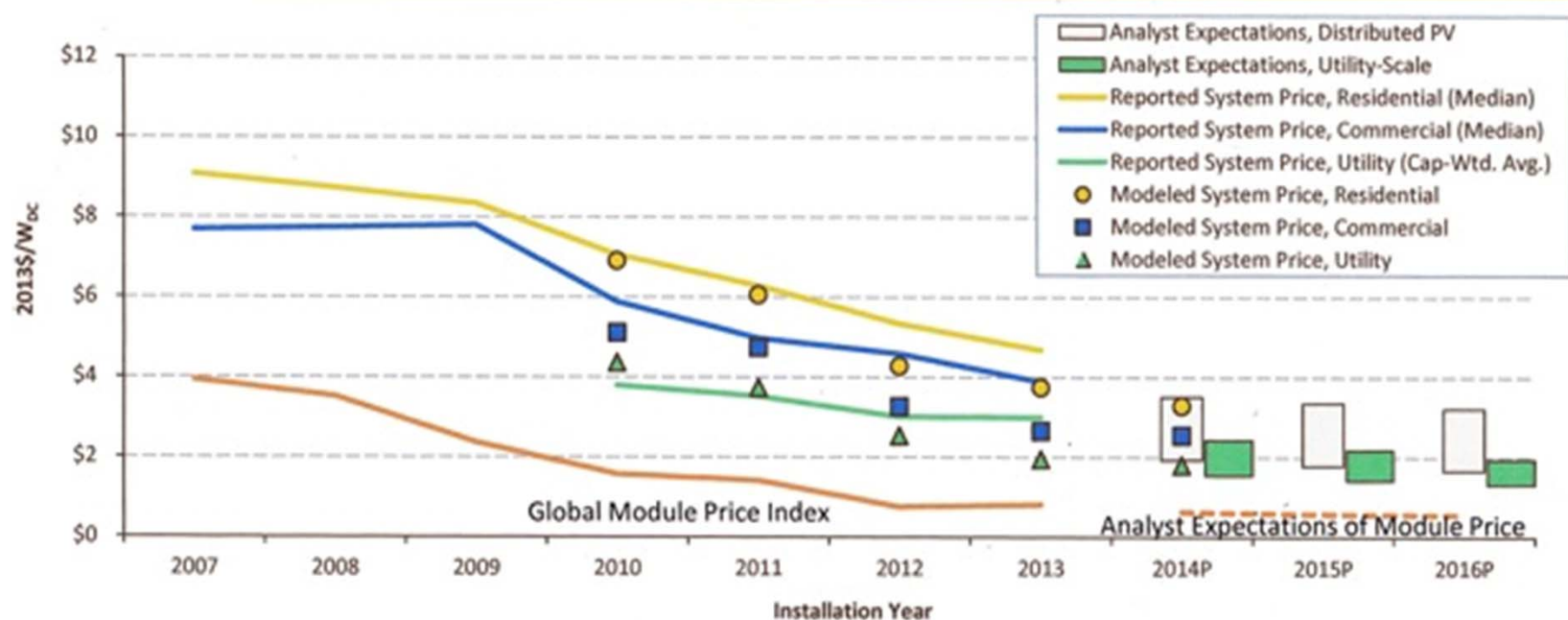
Billy J. Roberts | June 25, 2015

## The Falling Price of Utility-Scale Solar Photovoltaic (PV) Projects



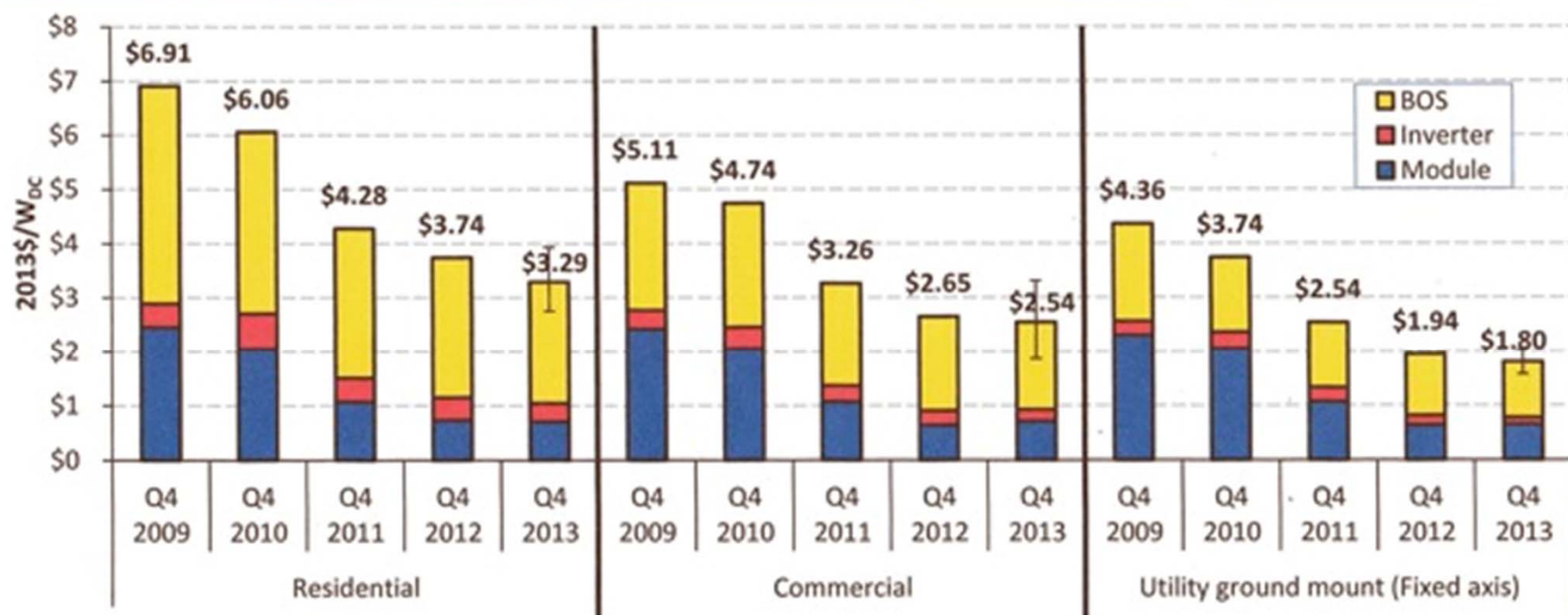


# Reported, Bottom-up, and Analyst-projected Average U.S. PV System Prices over Time



- All methodologies show a downward trend in PV system pricing
- Reported pricing and modeled benchmarks historically had similar results, however have recently diverged in estimated pricing.

## Bottom-up Modeled System Price of PV Systems by Sector, Q4 '09 - Q4 '13



# Best Research-Cell Efficiencies

