

Clean Energy Investment Center

"Addressing Challenges in Clean Energy Investment"

Clean Energy Solutions Center Webinar

Dr. Sanjiv Malhotra, Director

Key Observations

Massive need for new capital for deployment to achieve the 2 degree Celsius warming limit

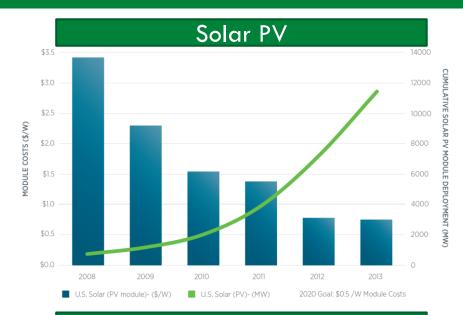
 Growth of solar and other emerging clean energy technologies

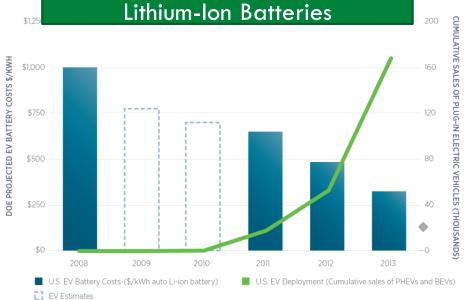
Demand for new energy will be driven by the emerging economies, especially China, India, and sub-Saharan Africa

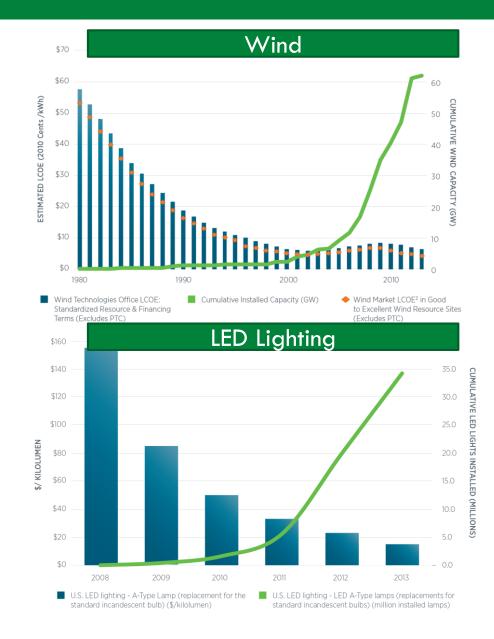
Importance of Innovation



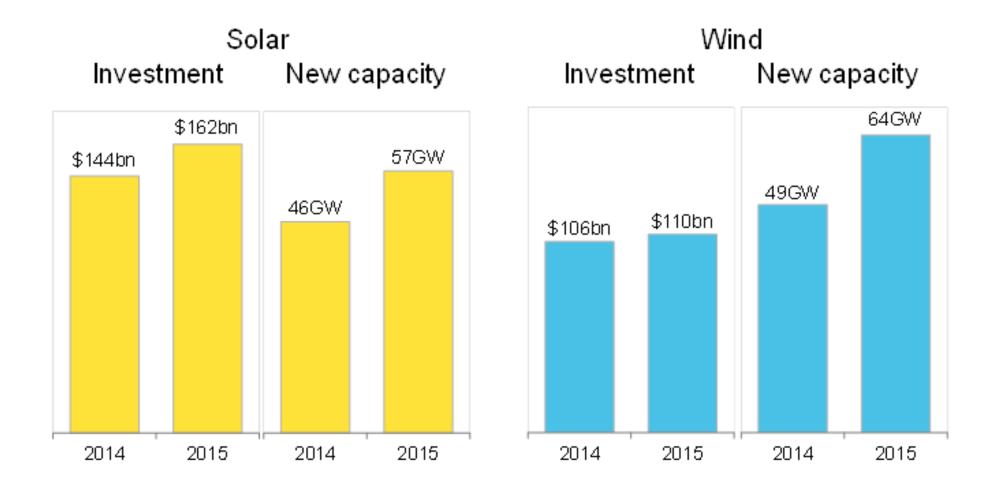
Revolution Now Report: Exciting Future from Economies of Scale





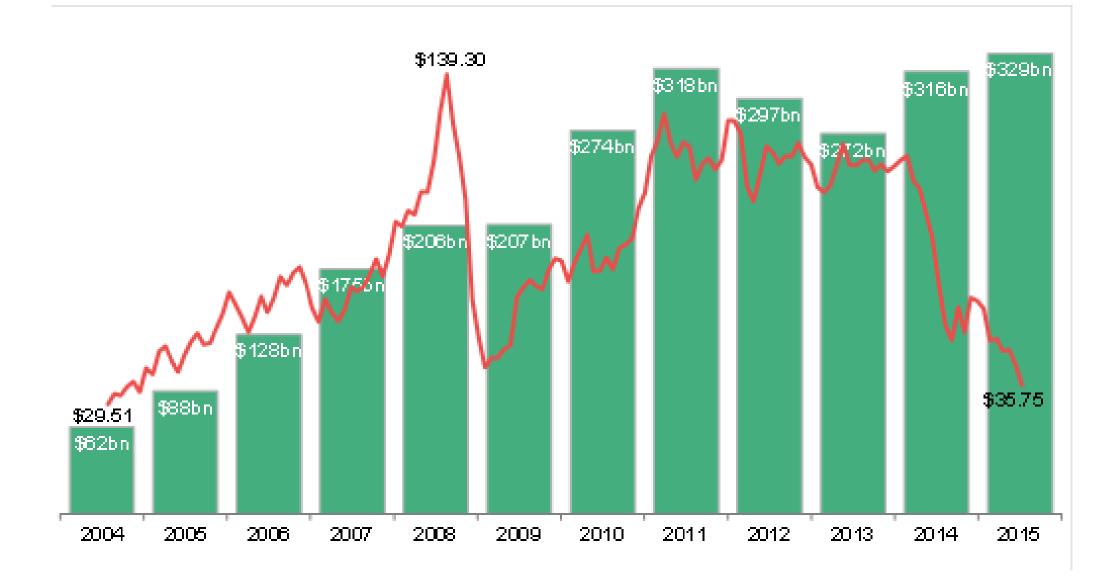






Source: Bloomberg New Energy Finance

NEW INVESTMENT IN CLEAN ENERGY AND BRENT CRUDE SPOT PRICE 2004-15 (\$BN)

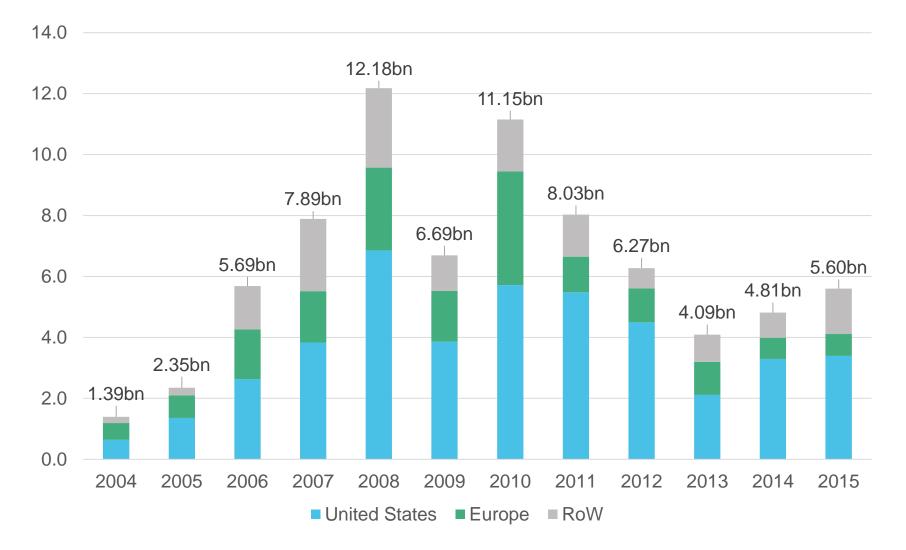


Source: Bloomberg New Energy Finance

Bloomberg

GLOBAL VC/PE NEW INVESTMENT IN CLEAN ENERGY Bloomberg 2004 - 2015 (\$BN)

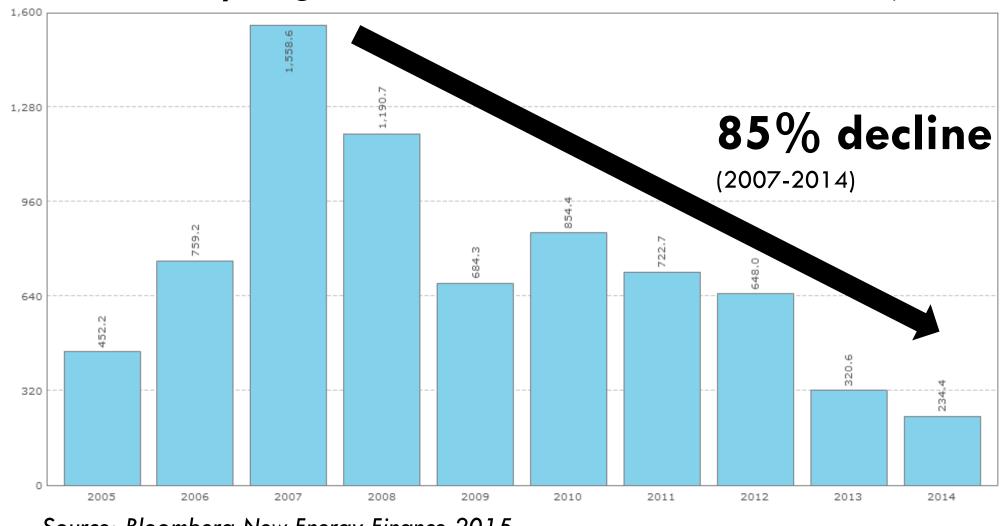
• Early- and late-stage VC funding rounds as well as funds raised privately for the purposes of expansion by companies that are primarily involved in the clean energy industry according to BNEF exposure ratings.



Source: Bloomberg New Energy Finance

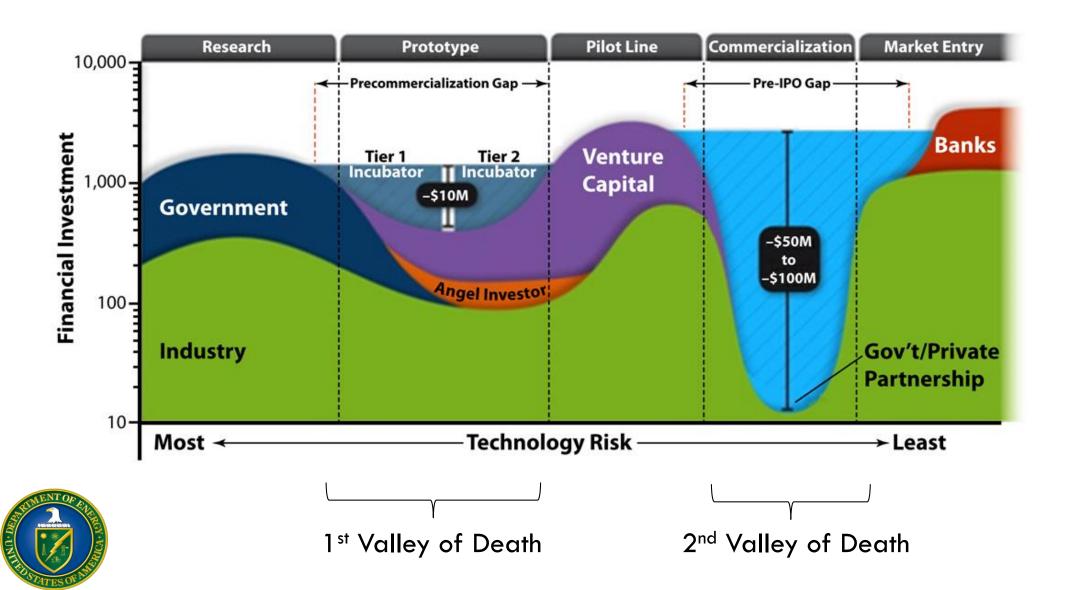
The need for additional sources of clean energy technology investment

Global Early-Stage Cleantech VC Investment: 2005-2014 (\$ millions)

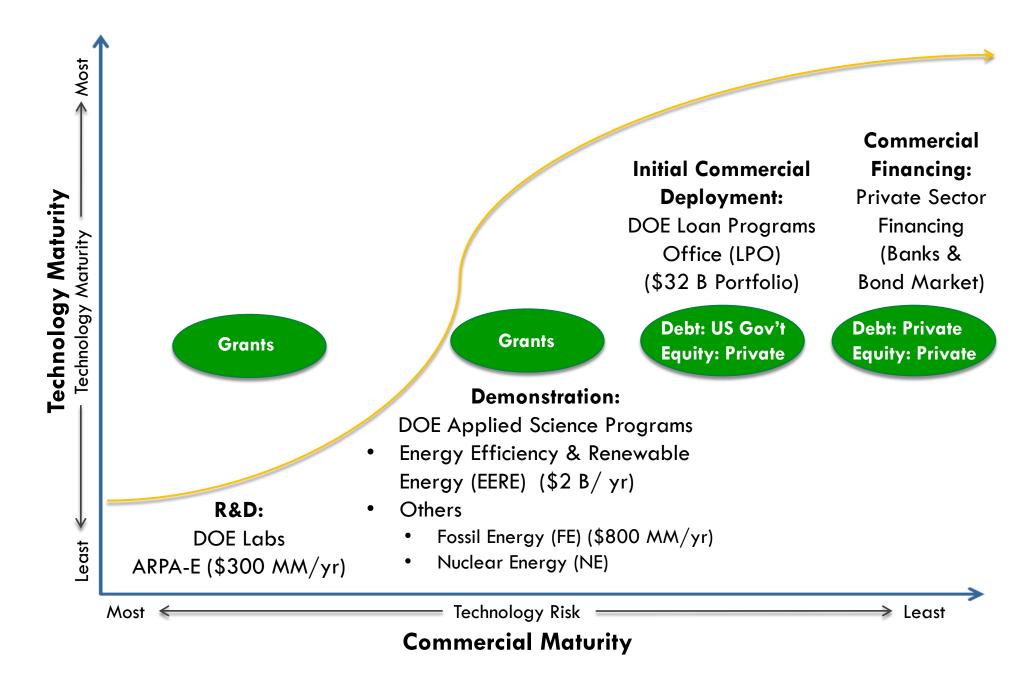


Source: Bloomberg New Energy Finance 2015. Note: This data includes Seed, Series A, and Tech/Early-spinoff deals.

The Cleantech Valley(s) of Death



DOE Programs Support the Full Arc of Commercialization



Mission Innovation at COP 21



November 30, 2015 Announcement at Paris COP

Commitments:

- Mission Innovation
 - 20 Country Commitments
 to Expand Clean Energy
 R&D
 - Counties cover more than 80% of global carbon emissions
- Breakthrough Energy Coalition
 - Private Sector Investment Commitments
 - 27 investors
 - Led by Bill Gates



Clean Energy Investment Center

 Connection Platform for Investors and SMEs at National Labs
 Meetings between DOE National Laboratories and Investors
Discussions of Partnership Opportunities
 Sessions at DOE HQ with Investors and DOE Technical Experts/Program Managers
 Provide access to DOE portfolio of investable clean energy opportunities
 Share research and analysis produced by DOE and its National Laboratories on relevant developments in clean energy technology.

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For more information:

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