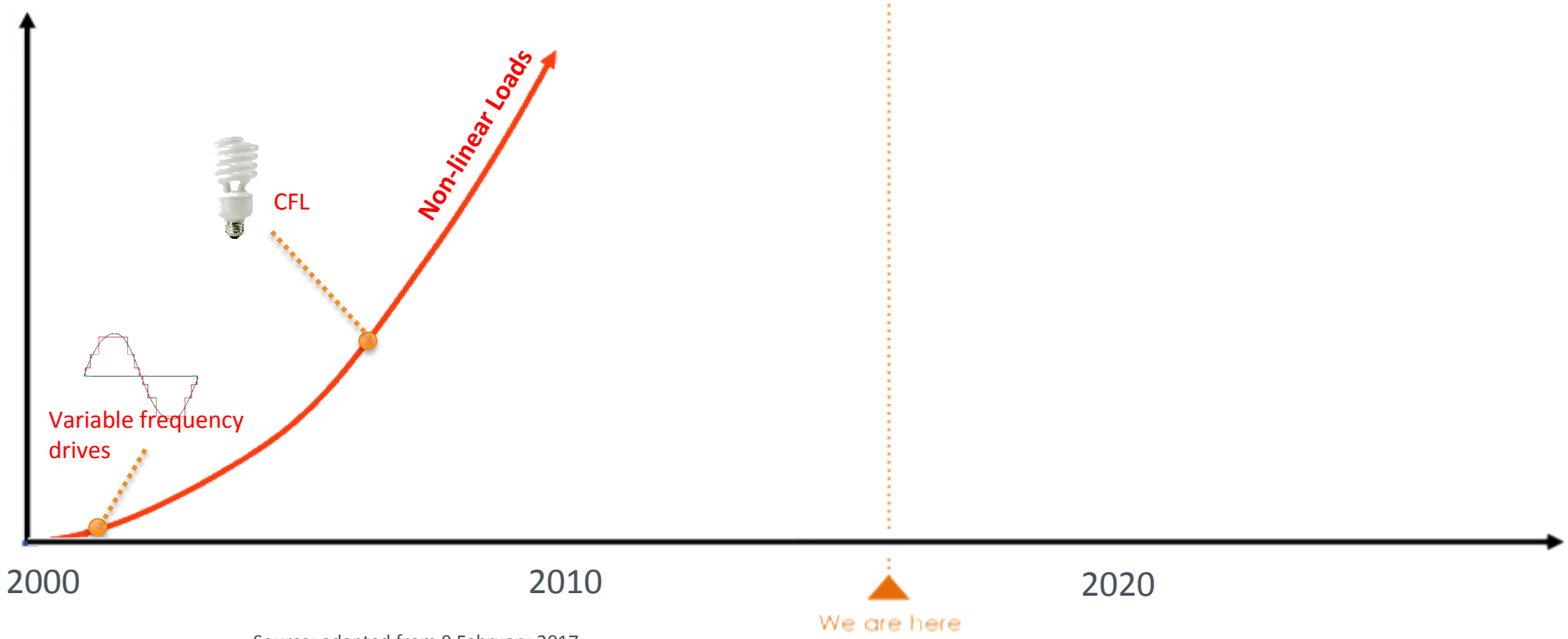
SOLAR ENERGY
TECHNOLOGIES OFFICE
U.S. Department Of Energy

American-Made Solar Prize Overview

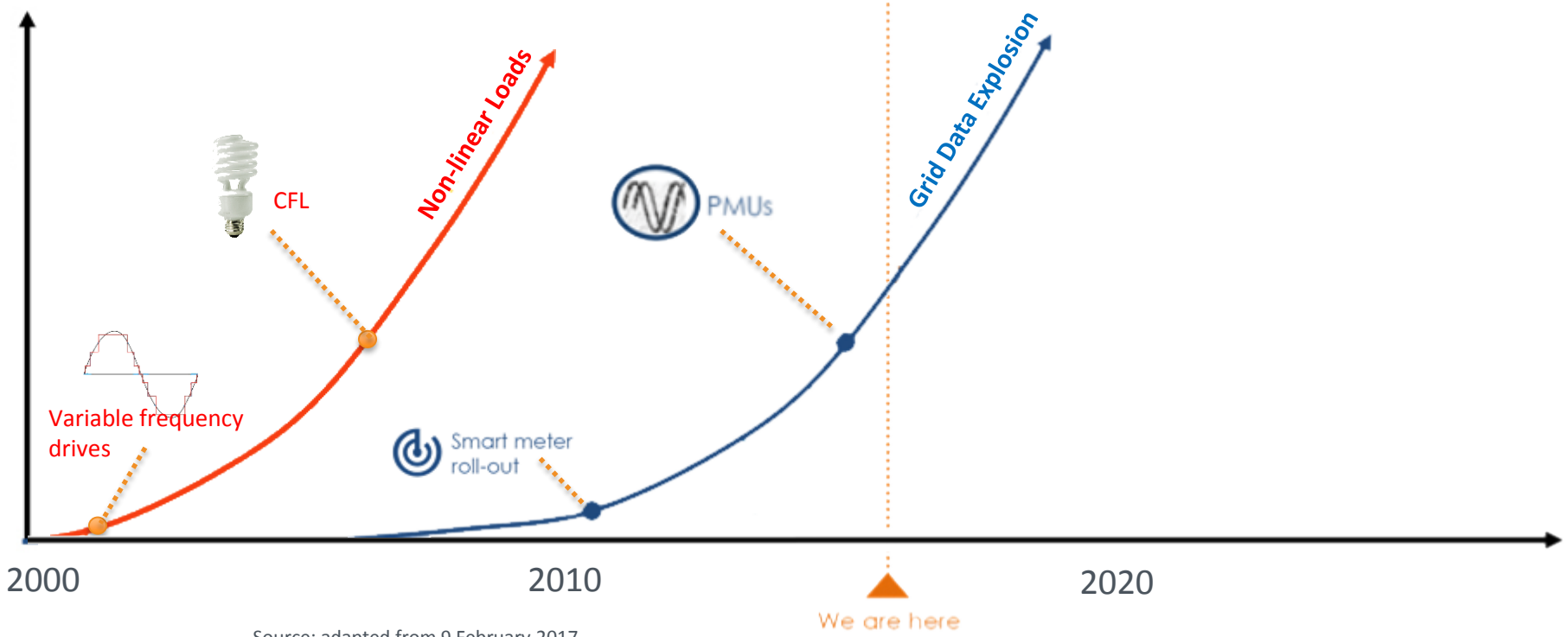
Dr. Charlie Gay
Director, Solar Energy Technologies Office
12 July 2018

Electricity Mega-Trends



Source: adapted from 9 February 2017
National Association of State Energy Officials
Chandu Visweswariah, IBM

Electricity Mega-Trends



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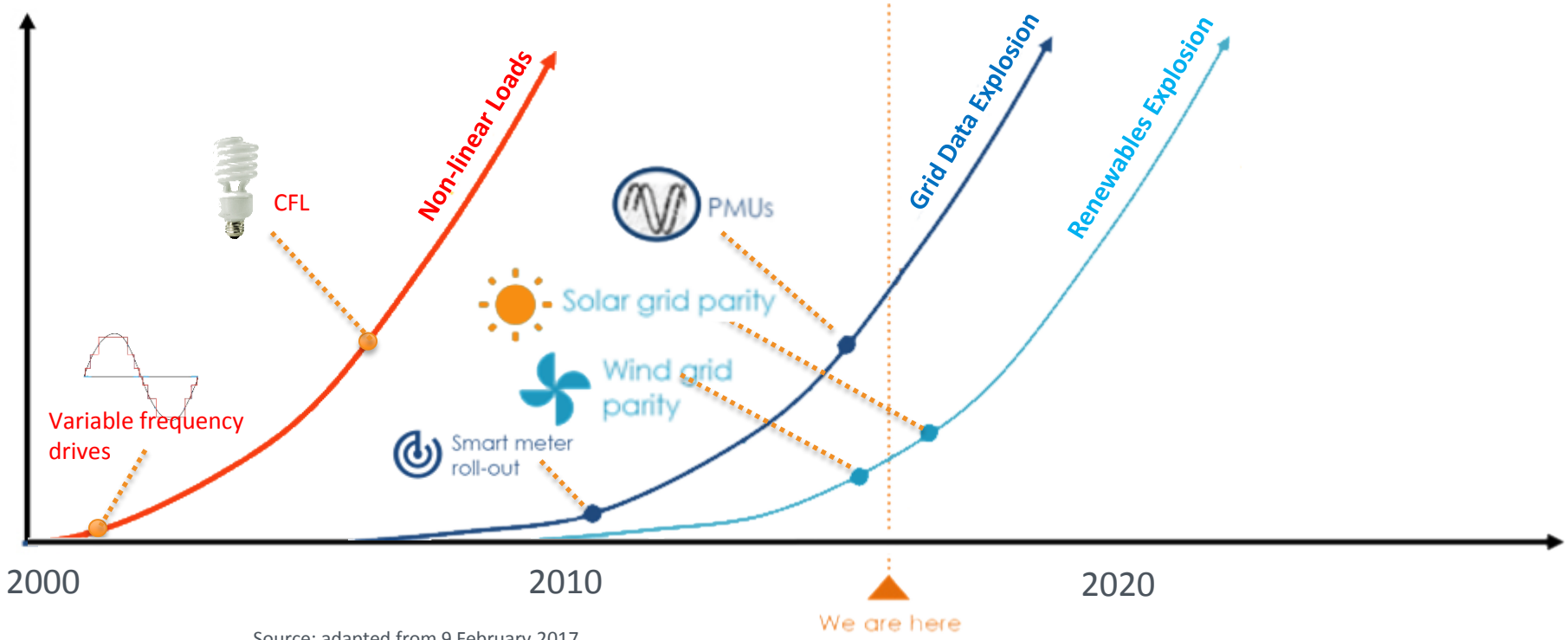

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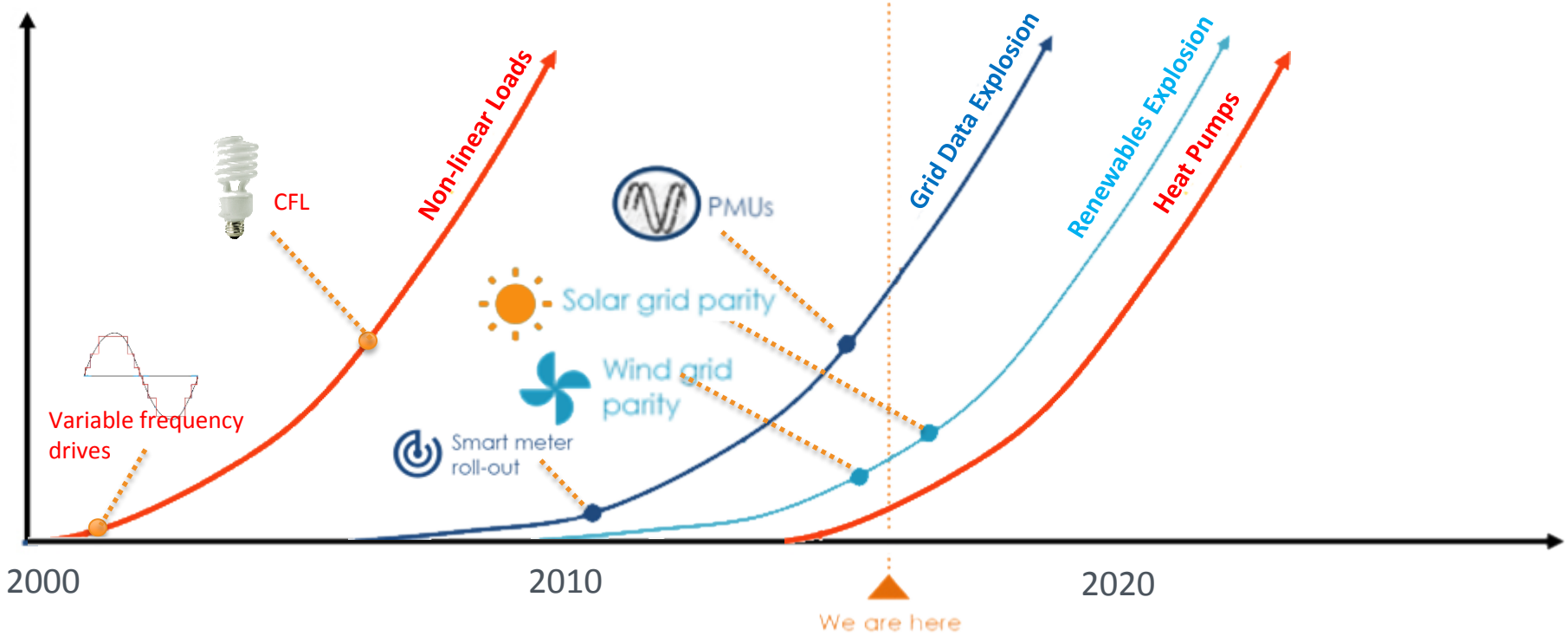

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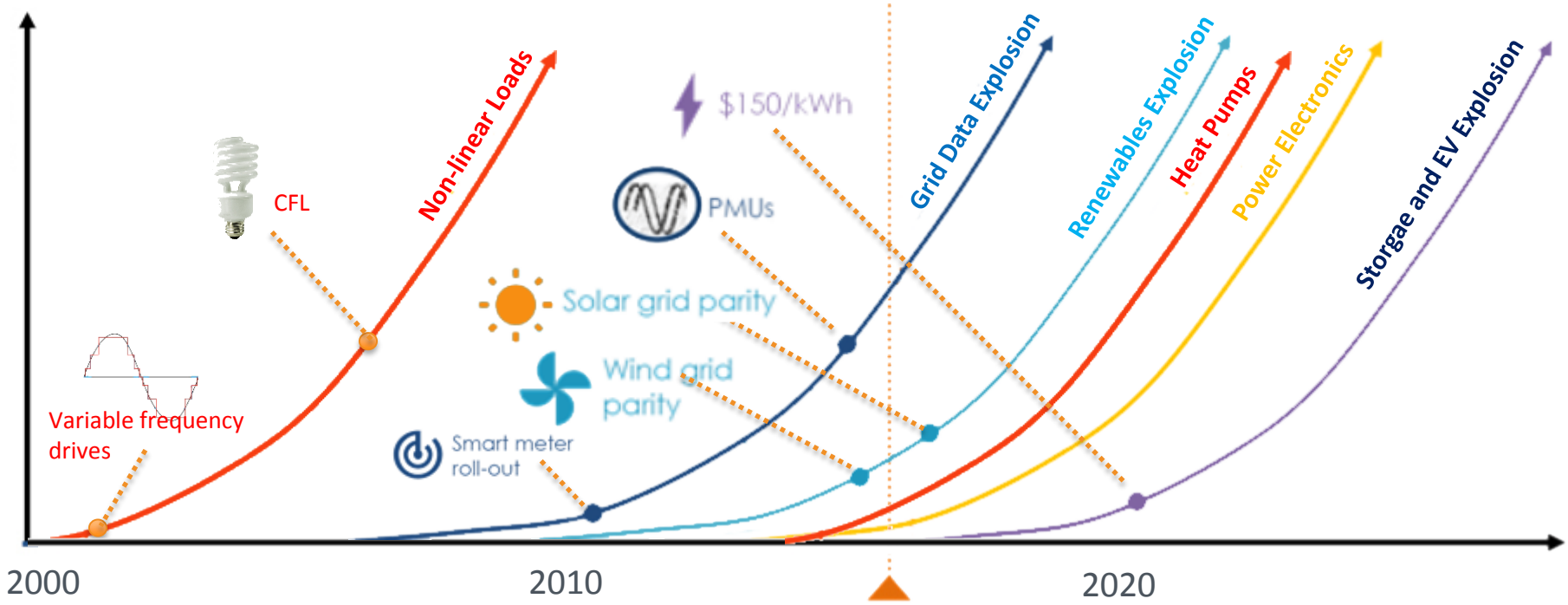

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Renewables accounted for >50% of new worldwide electricity-generating capacity in 2016

Connecting a Nationwide Innovation Ecosystem

17
National Labs

35
Energy Incubators

83
City Coalitions

Connecting a Nationwide Innovation Ecosystem

ADL Ventures CA
American Jobs Project CA
Ames Laboratory IA
Argonne National Laboratory / Argonne Powe
Arizona Center for Innovation AZ
Arrowhead Center at New Mexico State Unive
Brookhaven National Laboratory NY
Cadmus Group, LLC MA
California Institute of Technology/Resnick Sus
Clean Energy Business Network DC
Clean Energy Trust IL
Clean Energy Venture Group NY
Cleantech Open CA
Cleantech Rising CA
Cleantech San Diego (San Diego Regional Ener
Coachella Valley Economic Partnership CA
Colorado State University Energy Institute CO
Cornell Center for Regional Economic Advance
Direct Gain Consulting, LLC NY
Duke Energy Initiative NC
Duke University Nicholas School of the Enviro
Elemental Excelerator HI
Elemental Excelerator CA
EnerWise, Inc CA

Enterprise Innovation Institute - Georgia Tech GA
Fermi National Accelerator Laboratory IL
Fraunhofer USA Inc. Center for Sustainable Energy S
Georgia Institute of Technology, Strategic Energy Ins
Greentown Labs MA
Greentown Learn MA
Idaho National Laboratory ID
InnovateABQ NM
International Business Innovation Association FL
Launch Alaska AK
Lawrence Berkeley National Laboratory CA
Lawrence Livermore National Laboratory CA
Los Alamos National Laboratory NM
Nation of Makers MD
National Energy Technology Laboratory OR
National Energy Technology Laboratory WV
National Energy Technology Laboratory PA
National Renewable Energy Laboratory CO
New Sun Road, PBC CA
NextCorps NY
NextEnergy Center MI
North Shore InnoVentures MA
Oak Ridge National Laboratory TN
Pacific Northwest National Laboratory WA
Palomaki Consulting MA

Powerhouse CA
Princeton Plasma Physics Laboratory NJ
RCMS CO
RE-Engineered AZ
Rice Alliance for Technology and Entrepreneurship, Rice University
Sandia National Laboratory NM
Savannah River National Laboratory SC
SEPA DC
SLAC National Accelerator Laboratory CA
Southern Tier Clean Energy Incubator at Binghamton University, Sta
University of New York NY
TechBridge Program at the Fraunhofer Center for Sustainable Energ
Systems MA
Tessolar Inc. MA
The Innovation Corridor CO
The Wilton E. Scott Institute for Energy Innovation, Carnegie Mellon
University PA
Thomas Jefferson National Accelerator Facility VA
UI LABS IL
Urban Future Lab / ACRE NY
Village Capital DC
Worcester CleanTech Incubator MA
X-Elio North America, Inc. NV
Zpryme TX

American-Made Solar Prize

U.S. DEPARTMENT OF ENERGY

The **American-Made Solar Prize** is a $3 million prize competition designed to accelerate and sustain American solar innovation through a diverse and powerful support network of resources.

IDEATE

An ongoing ideation process to propose, discuss, and rate solutions for technical challenges in the solar industry.

SUBMIT BY OCTOBER 2

COMPETE

Entrepreneurial individuals and teams compete in contests to solve difficult challenges in the solar industry and can win cash prizes and valuable resources needed to succeed.

SUBMIT BY OCTOBER 5

CONNECT

Partners join the **American-Made Network** to support competitors as they rapidly develop solutions and can win performance payments.

ONGOING

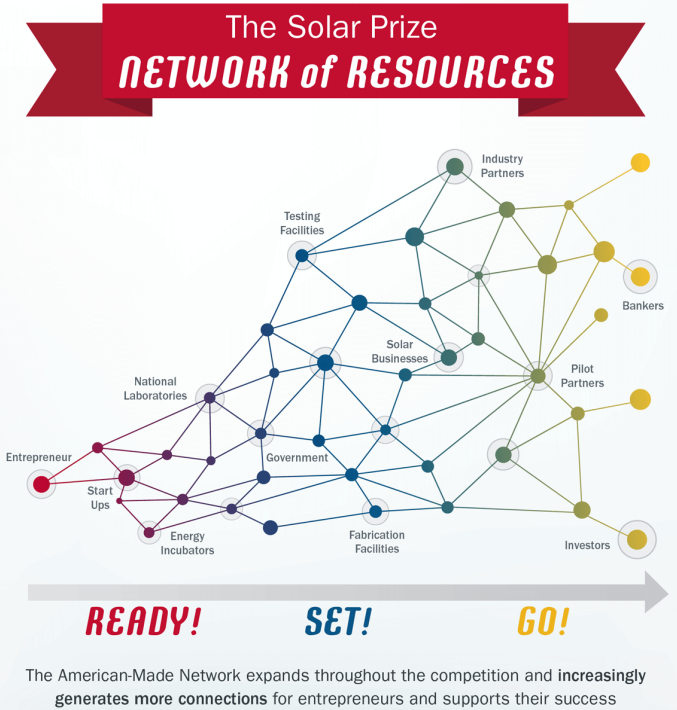
Up For the Challenge?

Visit **americanmadechallenges.org** to learn more

Two-Pronged Approach

Ready! Set! Go! Contests

American-Made Network



The American-Made Network expands throughout the competition and **increasingly generates more connections** for entrepreneurs and supports their success

The Mission of the Solar Prize

- Re-energize **American ingenuity** in solar innovation and manufacturing
- Empower innovators with knowledge, resources, and access to rapidly transform **ideas into prototypes**
- Set entrepreneurs on a **network-powered pathway** of disruptive innovation, so ideas can become **real products** in months, not years

Discussion Questions

- How can we expand the network into every state?
- What are key hurdles to innovation in specific states?
- Where are states excelling at encouraging innovation?
- How can the model be replicated at a state level or in different technology areas?