



Quadrennial Technology Review 2015

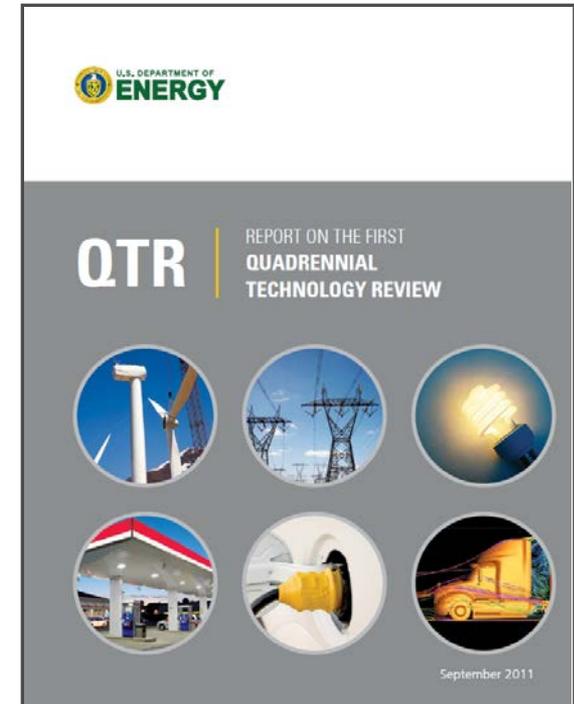
Background for Input on SSL R&D

November 12, 2014



Origins of the Quadrennial Technology Review (QTR)

- The President's Council of Advisors on Science and Technology identified in 2010 a need for a Federal energy policy
 - As part of this effort, the first Quadrennial Technology Review (QTR) was published in 2011
- Secretary Moniz requested in 2014 a new QTR, again focused on DOE R&D, to be published in 2015



Much of the energy landscape has changed since 2011 (particularly for SSL)—the 2015 QTR will capture these changes and their associated RDD&D opportunities.



The Quadrennial Technology Review 2015

- **Goal:** Frame our energy-linked challenges; the scale, scope, and time frame for response; and the RDD&D opportunities to address them.
- **The QTR will**
 - Use systems frameworks to evaluate the power, buildings, industry, and transportation sectors.
 - Inform DOE's R&D agenda and budgets, and drive the rebalancing and reinvigoration of the R&D Portfolio.
 - Provide the common vision for DOE R&D out to 2030.
- **Contents:**
 - Assessments to identify/evaluate the most important technology R&D opportunities over the next 5-10 years, building on the work of QTR-2011.
- **The buildings chapter: Increasing Efficiency of Buildings Systems and Technologies**



The QTR Needs Your Input To Better Answer:

- What are the big SSL R&D opportunities?
- What are the potential synergies for SSL R&D activities across sectors?
- What should the overall and specific balance be across the SSL R&D portfolio?
- What are the potential impacts of the particular SSL R&D efforts on our economic, environmental, and security challenges? What are appropriate metrics?
- What are the most effective means for technology transfer?
- What R&D management mechanisms have been most successful in the private sector and should be considered in the public sector?

Interested parties may submit comments by sending an email to:

DOE-QTR2015@hq.doe.gov