



Solar Utilization in Higher Education Networking & Information Sharing Group: Policy Issues Discussion

EPA Green Power Partnership



Speakers and Agenda

- Speaker
 - James Critchfield, EPA Green Power Partnership
- Agenda
 - Background
 - Report out on top policy issue areas
 - Open discussion
 - Next Steps
 - Q&A

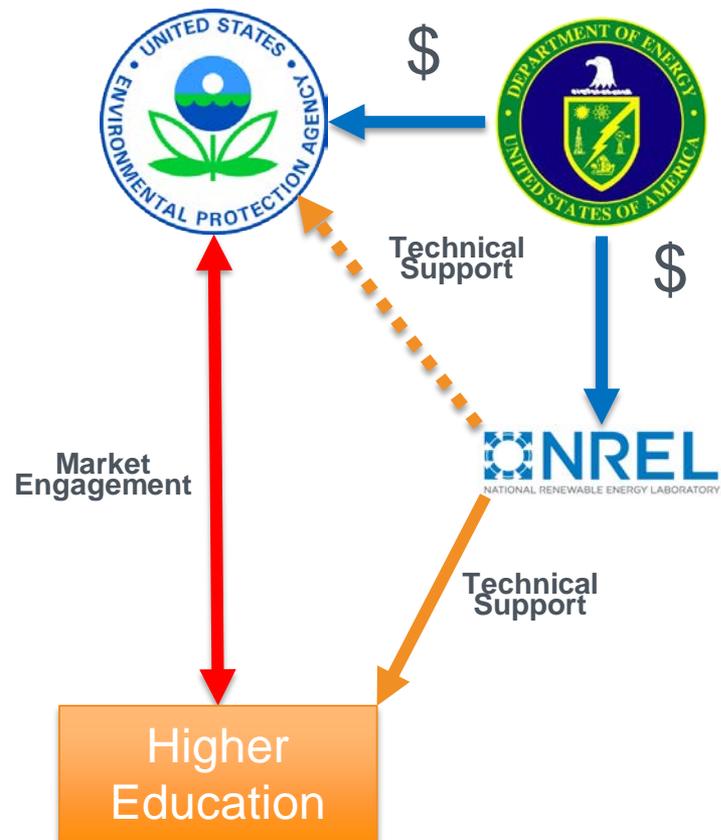


HIGHER EDUCATION NETWORKING & INFORMATION SHARING GROUP



Background

- This collaboration is born out of a joint effort between EPA, DOE and the National Renewable Energy Lab to focus on mid-scale solar opportunities
- Over this 18-month effort, EPA will seek to address specific financial, administrative and policy barriers encountered by individual institutions



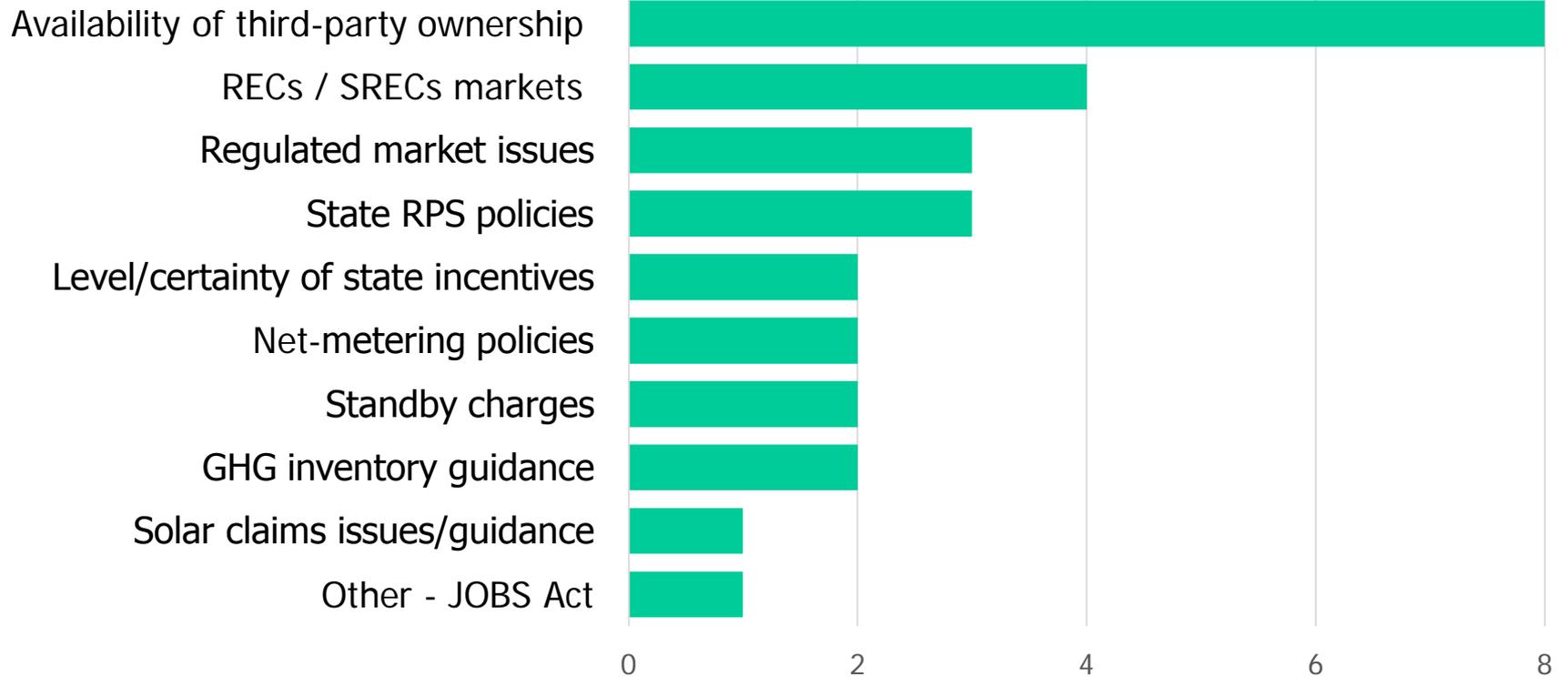
Objectives

- EPA endeavors to:
 - Validate solar development needs of individual institutions
 - Identify common project development barriers unique to on- and off-campus solar project opportunities
 - Identify and discuss technical and non-technical solutions and exchange information related to individual experiences and practices
 - Deliver targeted solutions to higher education institutions nationally



POLICY ISSUE AREAS

Policy Issues Identified During Kickoff Webinar



Policy Issues by Colleges/University

Availability of 3rd-Party ownership	RECs / SRECs markets	Regulated market issues	State RPS policies
<ul style="list-style-type: none"> • Arizona State University • Auburn U. • Christopher Newport U. • Elon U. • Fairleigh Dickinson U. • Kennesaw State U. • Northern VA CC • UNC Charlotte 	<ul style="list-style-type: none"> • Arizona State University • Christopher Newport U. • Elon U. • Michigan State U. 	<ul style="list-style-type: none"> • Arizona State University • Auburn U. • Elon U. 	<ul style="list-style-type: none"> • Michigan State U. • Northern VA CC • Christopher Newport U.

Policy Issues by Colleges/University

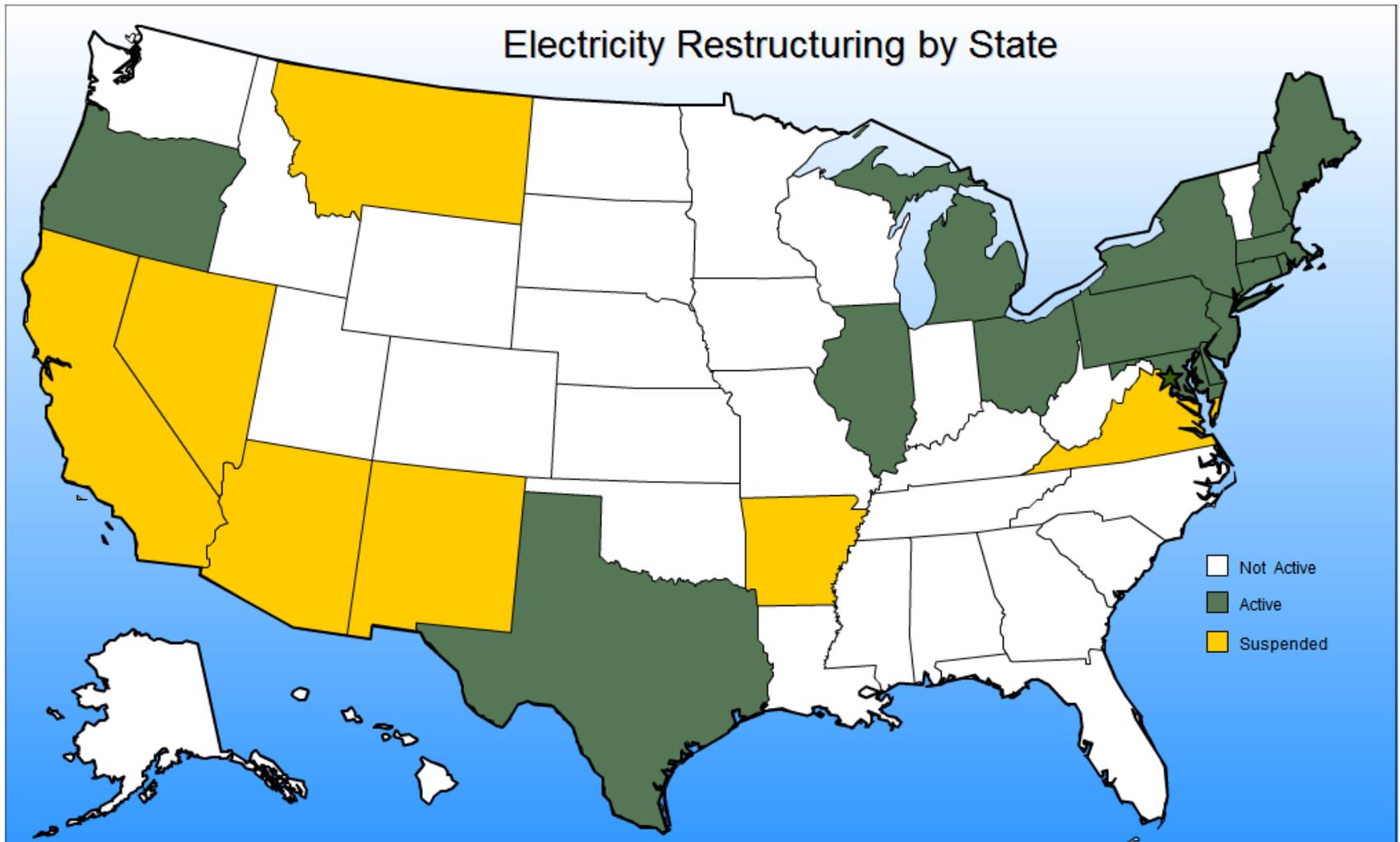
Level/certainty of state incentives	Net-metering policies	Standby charges	GHG inventory guidance
<ul style="list-style-type: none"> • Elon U. • Northern VA CC 	<ul style="list-style-type: none"> • RIT • Auburn U. 	<ul style="list-style-type: none"> • Arizona State University • UNC Charlotte 	<ul style="list-style-type: none"> • Arizona State University • Michigan State U.

Solar claims issues/guidance	Other - JOBS Act
<ul style="list-style-type: none"> • Northern VA CC 	<ul style="list-style-type: none"> • Christopher Newport U.

Let's Discuss...

- For each topic, we want to hear about:
 - What specifically is holding your college or university back
 - What types of resources would be most helpful
 - Fact sheets, memos, templates, etc.
 - What else would be helpful to overcome barriers
 - Training session, webinar with technical experts, discussions with other colleges and universities, etc.

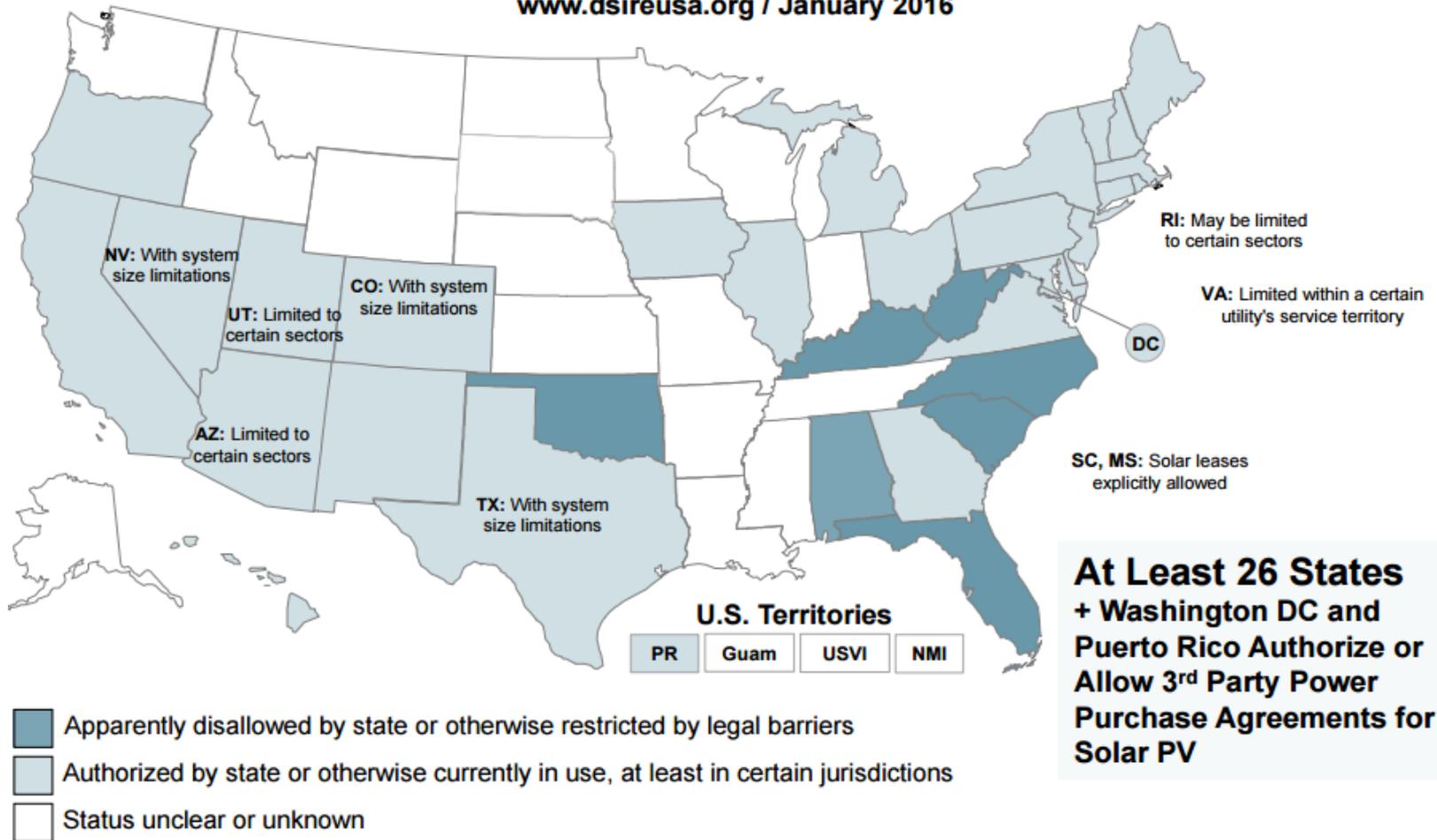
Regulated Market Issues



Third-Party Ownership

3rd Party Solar PV Power Purchase Agreement (PPA)

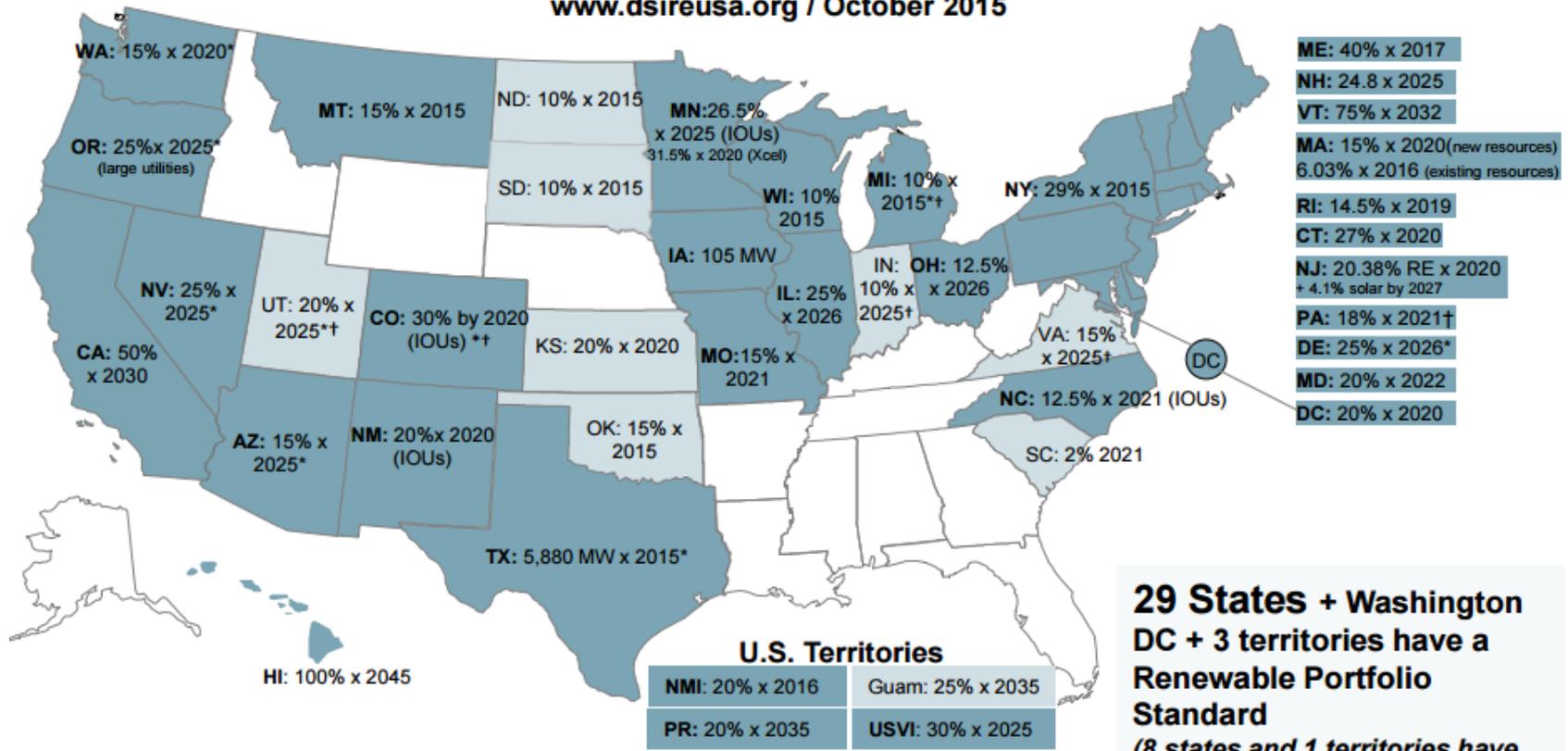
www.dsireusa.org / January 2016



State RPS Policies

Renewable Portfolio Standard Policies

www.dsireusa.org / October 2015



29 States + Washington DC + 3 territories have a Renewable Portfolio Standard
(8 states and 1 territories have renewable portfolio goals)

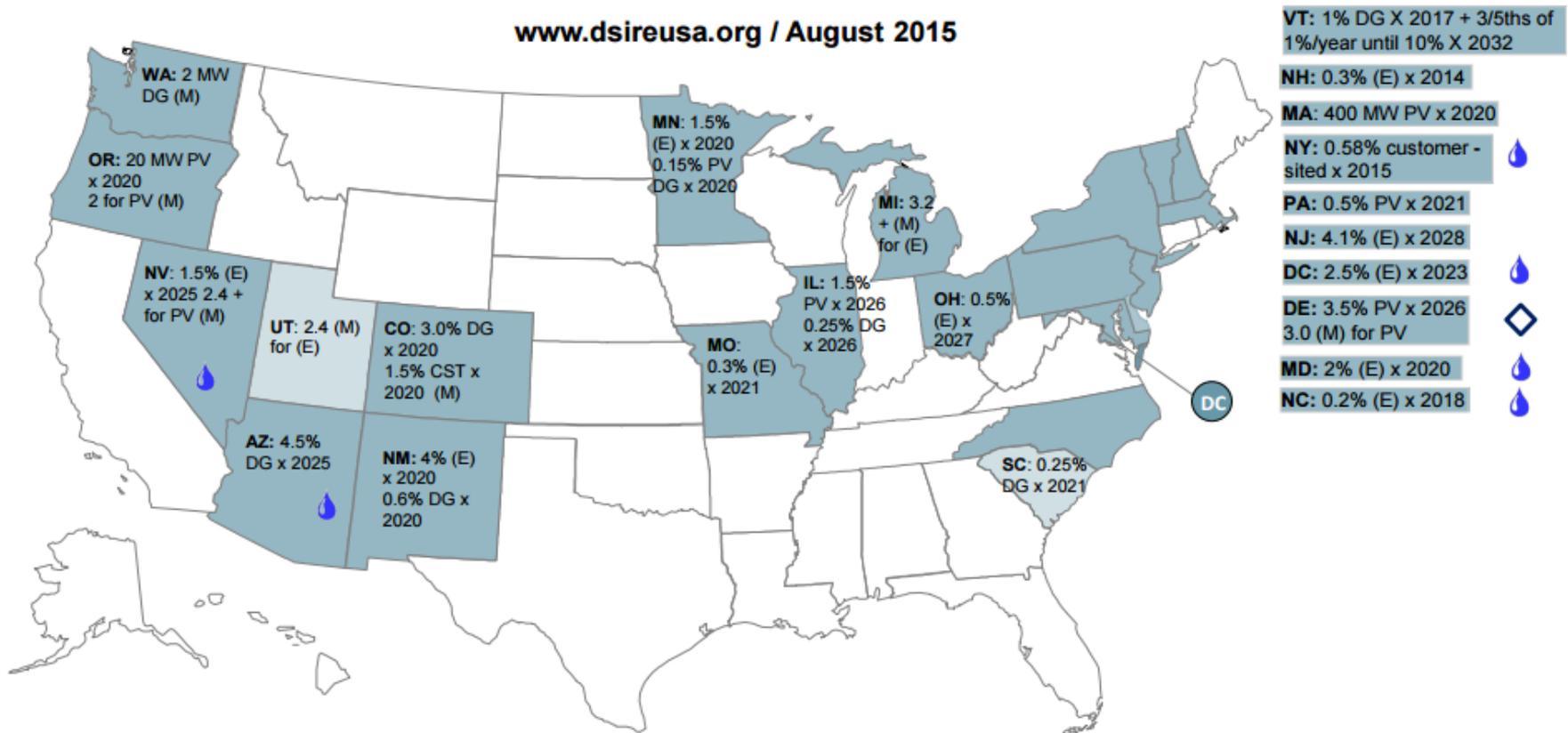
Renewable portfolio standard
 Renewable portfolio goal

* Extra credit for solar or customer-sited renewables
 † Includes non-renewable alternative resources

SREC Markets

Renewable Portfolio Standards (RPS) with Solar or Distributed Generation Provisions

www.dsireusa.org / August 2015

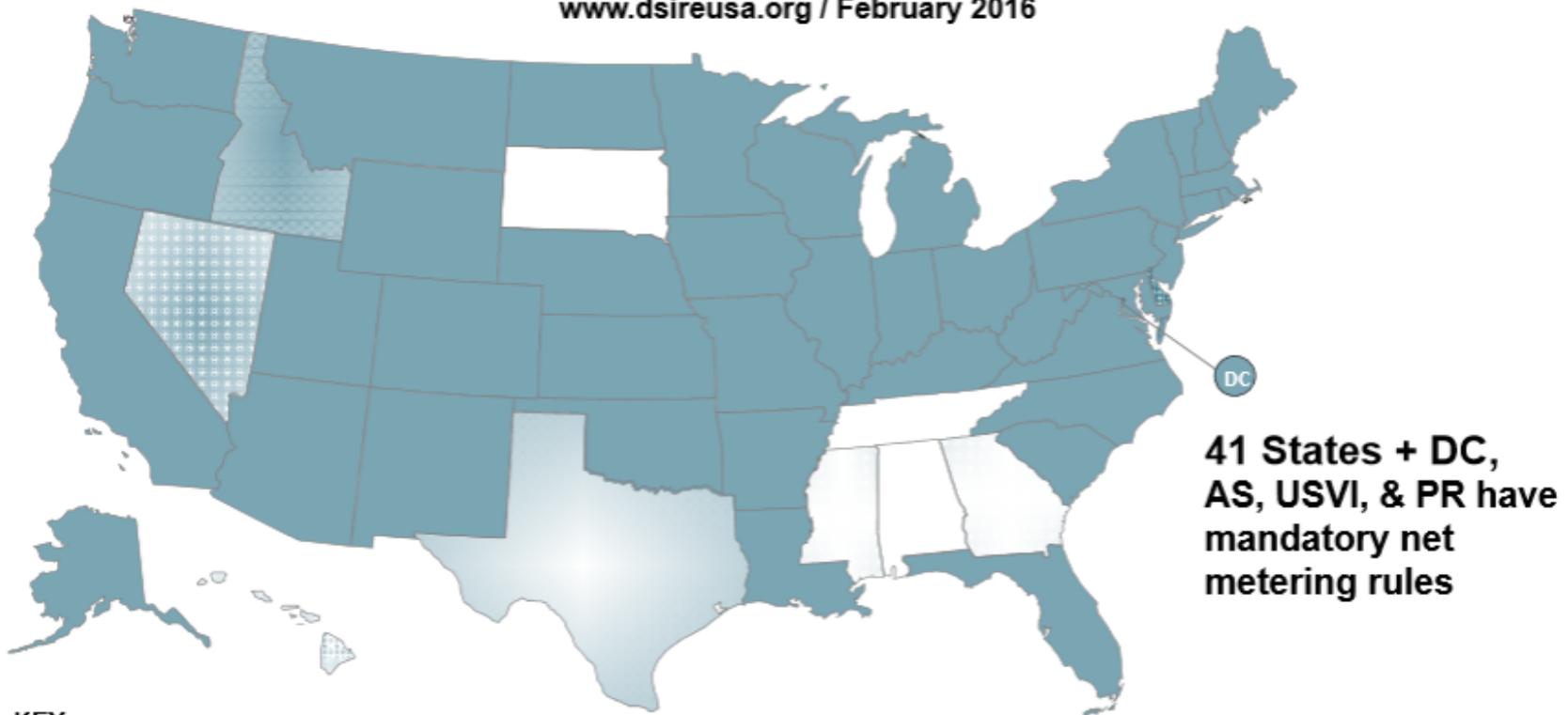


22 States + DC have an RPS with solar or DG provisions

Net-Metering

Net Metering

www.dsireusa.org / February 2016



KEY

- State-developed mandatory rules for certain utilities (41 states + DC+ 3 territories)
- No statewide mandatory rules, but some utilities allow net metering (2 states)
- Statewide distributed generation compensation rules other than net metering (4 states + 1 territory)

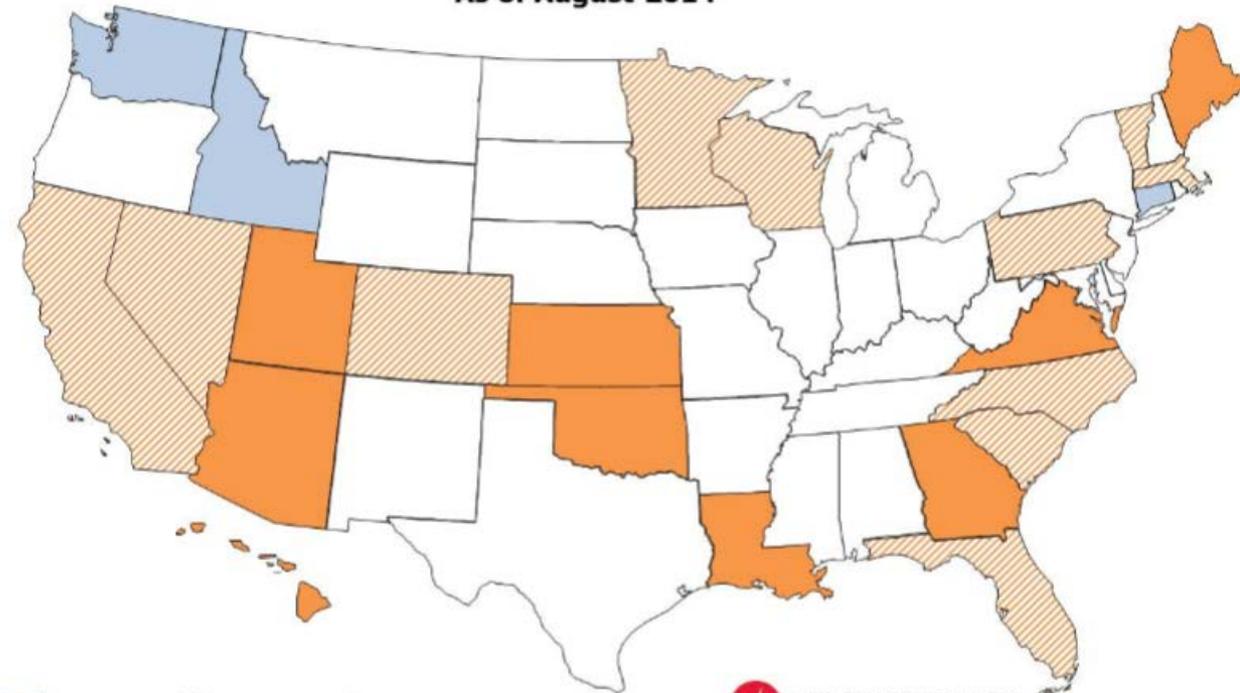
U.S. Territories:

AS	PR
VI	GU

Standby Charges

Not so... Recent Action on Solar PV-Specific Standby & Fixed Cost Charges

As of August 2014



-  Enacted/Approved
-  Under Consideration
-  Defeated or Abandoned



Additional Policy Issues

- Level/Certainty of State Incentives
- GHG inventory guidance
- Solar claims issues/guidance
- Other - JOBS Act

Next Steps

- EPA will take your ideas and facilitate some solutions by
 - Convening future Networking and Information Sharing meetings
 - Developing case studies, white papers, trainings etc..
 - Launching an online project development portal in Fall 2016
- Two upcoming webinar opportunities to address other issue areas:
 - Finance and project economics issues
 - RFP, contract, and administrative issues

Smart and Sustainable Campuses Conference

- April 4-5th in Baltimore, MD
- EPA is holding 3-mini conference workshops
 - Will involve a deep dive into areas of finance and project economics; RFPs, contracts and administrative issues; and policy issues
 - Will build upon findings from Networking and Information Sharing group webinars
 - Unique learning opportunity
 - Each workshop will include expert technical speaker(s) and higher education perspectives, each providing a basic level of understanding on key topics to all attendees
- <http://smartandsustainable.umd.edu/register>



Questions?

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