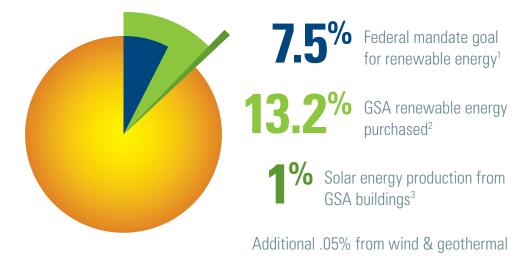
### **OPPORTUNITY**

How is GSA meeting federal mandates for renewable energy?



### **TECHNOLOGY**

How was the study conducted?

# POLICY REVIEW; SURVEYS AND INTERVIEWS WITH PROJECT TEAMS

### M&V

Where did
Measurement and
Verification occur?

**NATIONAL RENEWABLE ENERGY LABORATORY** collected best practices and lessons learned from 63 of the 74 GSA PV installations nationwide

### **RESULTS**

What did we learn in M&V?

## DIVERSE PORTFOLIO

SYSTEM CAPACITY RANGED FROM 10KW TO 5MW<sup>4</sup>

# CHALLENGES NUMEROUS & UNIVERSAL<sup>5</sup>

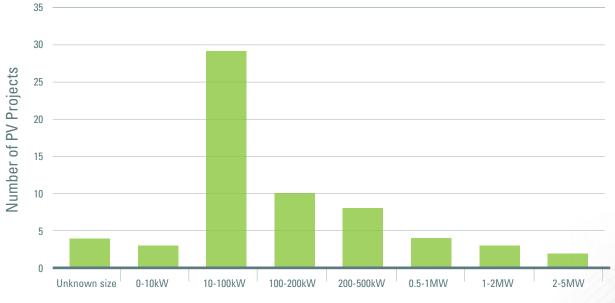
PROJECT MANAGEMENT, SITE, INTERCONNECTION, TECHNICAL, AND ECONOMIC

### RISKS MITIGATED

BY ADVANCE
PLANNING AND
PROJECT
MANAGEMENT<sup>6</sup>

### **Projects in NREL Study, by System Capacity**

Of the 63 projects included, capacity ranges widely



PV Project Peak Production Capacity Ranges

### FOR MORE INFORMATION

Where to find addtional information?

## **ON-SITE PV GUIDANCE REPORT**

Lessons Learned & Best Practices available at gsa.gov/gpg

<sup>&</sup>lt;sup>1</sup>EPA, http://www.epa.gov/oaintrnt/greenpower/requirements.htm <sup>2</sup>GSA Energy Usage Analysis System, 2013 <sup>3</sup>ibid

<sup>&</sup>lt;sup>4</sup>On-Site Photovoltaic Guidance. Tom Harris, Ian Metzger, Alicen Kandt, Graham Hill, Marianne Kaiser (NREL), October 2013, p.5

**<sup>5</sup>**lbid, p.21 **6**lbid, p.28