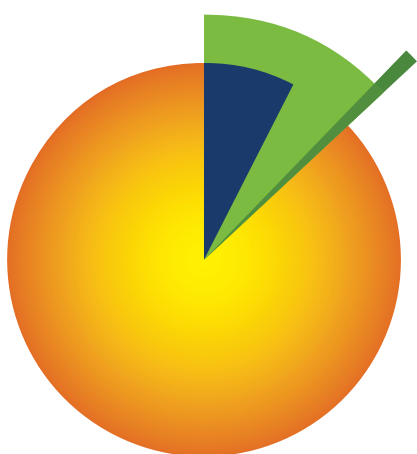


OPPORTUNITY

How is GSA meeting federal mandates for renewable energy?



7.5% Federal mandate goal for renewable energy¹

13.2% GSA renewable energy purchased²

1% Solar energy production from GSA buildings³

Additional .05% from wind & geothermal

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 5Mw⁴

CHALLENGES
NUMEROUS &
UNIVERSAL⁵

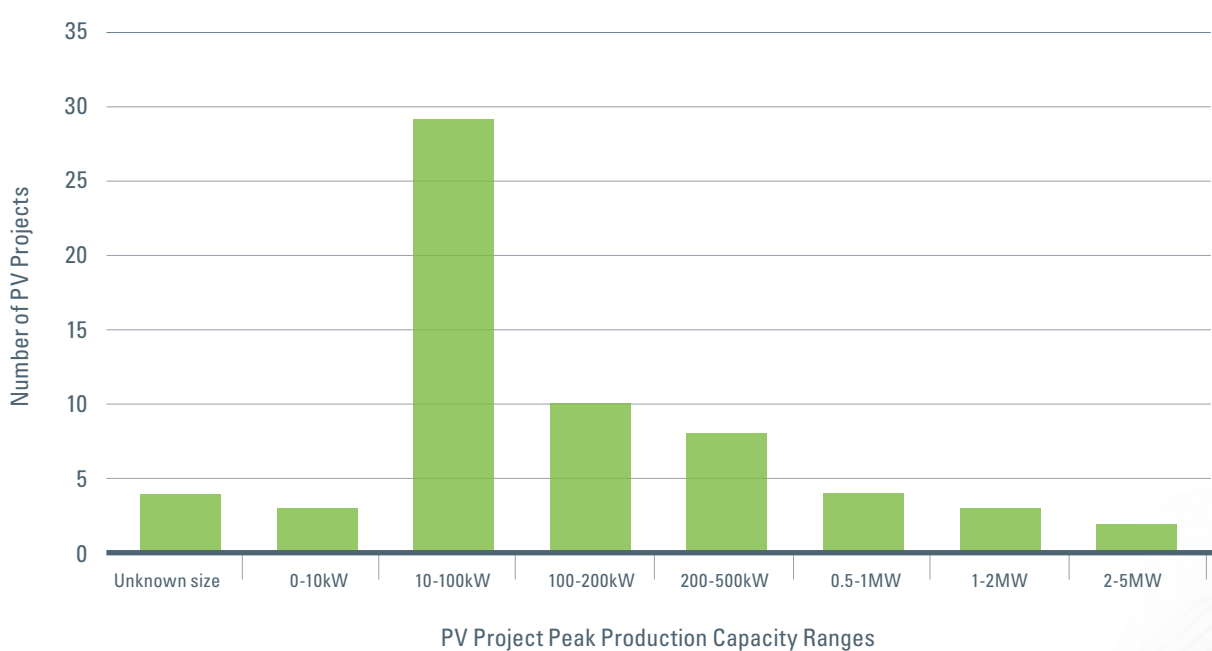
Project Management, Site, Interconnection, Technical, and Economic

RISKS
MITIGATED

By advance planning and project management⁶

Projects in NREL Study, by System Capacity

Of the 63 projects included, capacity ranges widely



FOR MORE INFORMATION

Where to find additional information?

ON-SITE PV GUIDANCE REPORT

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

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

⁴On-Site Photovoltaic Guidance. Tom Harris, Ian Metzger, Alicen Kandt, Graham Hill, Marianne Kaiser (NREL), October 2013, p.5 ⁵Ibid, p.21 ⁶Ibid, p.28