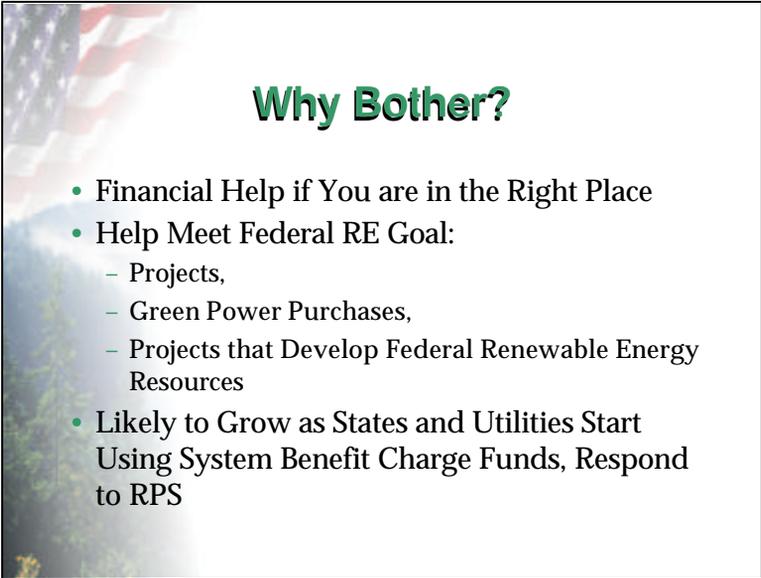


State and Local Incentives for Renewable Energy: What's In it for Federal Energy Managers?

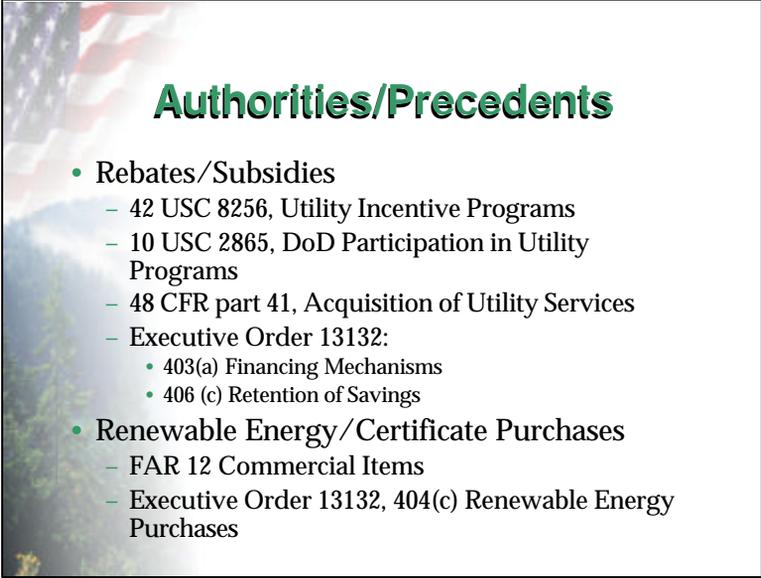
Presented by
Kevin DeGroat, McNeil Technologies

Energy 2002, Palm Springs California



Why Bother?

- Financial Help if You are in the Right Place
- Help Meet Federal RE Goal:
 - Projects,
 - Green Power Purchases,
 - Projects that Develop Federal Renewable Energy Resources
- Likely to Grow as States and Utilities Start Using System Benefit Charge Funds, Respond to RPS



Authorities/Precedents

- Rebates/Subsidies
 - 42 USC 8256, Utility Incentive Programs
 - 10 USC 2865, DoD Participation in Utility Programs
 - 48 CFR part 41, Acquisition of Utility Services
 - Executive Order 13132:
 - 403(a) Financing Mechanisms
 - 406 (c) Retention of Savings
- Renewable Energy/Certificate Purchases
 - FAR 12 Commercial Items
 - Executive Order 13132, 404(c) Renewable Energy Purchases



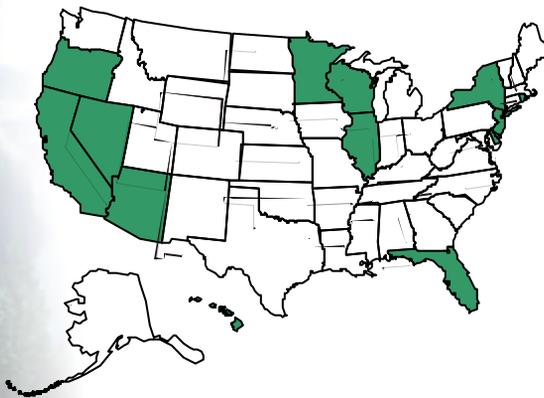
Offerings

- Rebates/Subsidies – Not Tax-Related
- Renewable Power/Certificate Programs
- Renewable Portfolio Standards

Rebates

- Available to Federal Facilities with Limits – Depending on Customer Classification
- State, Local and Utility Offerings
- Technologies:
 - Ground Source Heat Pumps
 - PV
 - Active Solar Space and Water Heating
 - Passive Solar
 - Wind

Map of Rebates/Subsidies



Renewable Power/Certificate Programs

- Encouraged in Executive Order 13132
- Purchasing Authorities Well Established
- Simple Approach to Adding Renewable Energy
- Typically Involve Premiums
- Certificates are Only for Renewable Attributes of Power, not Actual Power Delivery

Renewable Power/Certificate Programs



Renewable Power/Certificate Examples

- Renewable Power Purchases
 - DOE Forrestal/Germantown
 - 25% Wind, 75% Landfill Gas
 - \$0.95/kWh Premium
 - Local Electric Service Provider, PEPCO
- Renewable Certificates
 - EPA Cincinnati, Chelmsford, Manchester, Richmond labs
 - 21.4 GWh, Wind and LFG
 - Community Energy, Green Mountain, Bonneville Environmental Foundation, Sacramento Municipal Utility District



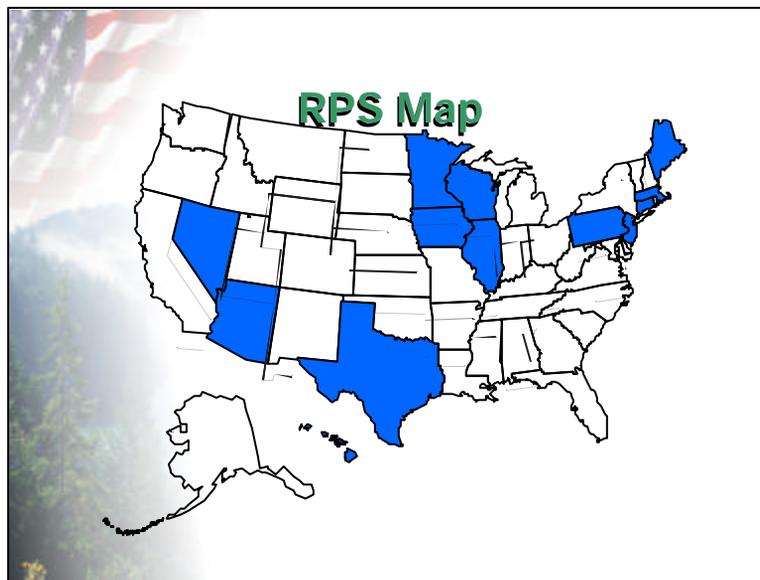
Case Studies: Hawaii and SWH

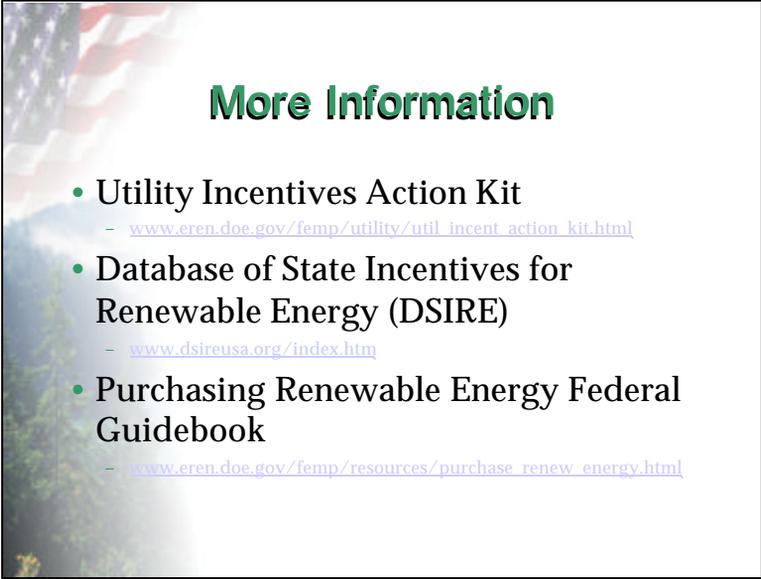
- 2071 Systems Installed, 398 Pending
- \$1500 per Unit for New Housing Installations
- \$800 per Unit for Retrofits
- Residential Program, Federal Housing Qualified



Renewable Portfolio Standards

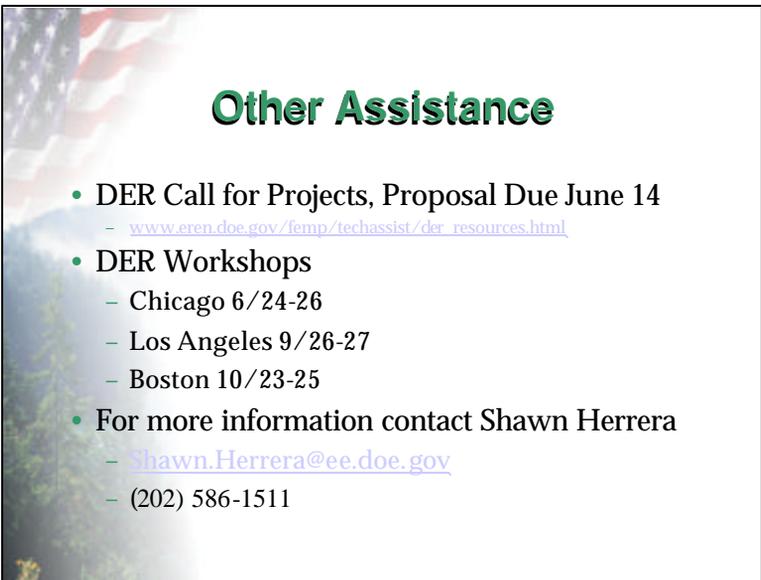
- Applies to Energy Suppliers, Not Customers
- Makes Suppliers More Interested:
 - On-Site Projects
 - Projects that Use Federal Renewable Resources





More Information

- Utility Incentives Action Kit
 - www.eren.doe.gov/femp/utility/util_incent_action_kit.html
- Database of State Incentives for Renewable Energy (DSIRE)
 - www.dsireusa.org/index.htm
- Purchasing Renewable Energy Federal Guidebook
 - www.eren.doe.gov/femp/resources/purchase_renew_energy.html



Other Assistance

- DER Call for Projects, Proposal Due June 14
 - www.eren.doe.gov/femp/techassist/der_resources.html
- DER Workshops
 - Chicago 6/24-26
 - Los Angeles 9/26-27
 - Boston 10/23-25
- For more information contact Shawn Herrera
 - Shawn.Herrera@ee.doe.gov
 - (202) 586-1511