GSA
ESPC/UESC PROGRAM UPDATE
Kinga Porst Hydres, GSA
Buildings are a Critical Focus
- 8,746 Owned or Leased Assets - 183.8 Million SqFt Ow - 184.7 Million SqFt Leased
- 1.1 Million People
- Replacement Value: $90.7 Billion
- Revenue: $10.1 Billion/Year

78% - Offices

GSA Portfolio
GSA INVESTMENT IN ENERGY EFFICIENCY AND RENEWABLE ENERGY

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<tbody>
<tr>
<td>ESPC</td>
<td>$4,460</td>
<td>$9,890</td>
<td>$19</td>
<td>$59,335</td>
<td>$214,019</td>
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<td>$86,416</td>
<td>$124,517</td>
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<td>$283,286</td>
<td>$16,745</td>
<td>$26,607</td>
<td>$13,181</td>
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<td>UESC</td>
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<td>$-</td>
<td>$-</td>
<td>$-</td>
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<td>$-</td>
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<td>$10,413</td>
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<td>$4,435</td>
<td>$964</td>
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GSA NDER Program Results
(2012 - 2018)

Percent Energy Savings

Federal average savings (18%)
NDER average savings (33%)

Region 1
Region 2
Region 2 St. Croix
Region 4 Miami
Region 4 Tampa/Kentucky
Region 5 Chicago
Region 5 Cleveland
Region 5 Goodfellow
Region 11 NCR
Region 9 San Diego
Region 9 LA
Region 9 San Francisco
Region 2 Upstate NY
Region 11 NCR
Region 4

Round 1
Round 2
Round 3

16% 16%
26% 29%
40% 31%
60% 40%

10% 10%
20% 16%
30% 16%
40% 30%
60% 30%
GSA ESPC/UESC STATUS

- Round 4 NOO was issued on January 28, 2019
- Almost 6 Million square feet
  - 2 buildings at NCR (almost 3 Million sqft)
  - 6 border stations at R7 (580,000 sqft)
  - 9 buildings in R4 (2.5 Million sqft)
- Currently starting IGAs

- R7 UESC projects - Almost 7 Million square feet
  - 5 buildings in Oklahoma
  - 26 buildings in East Texas, Arkansas
  - 10 buildings in New Mexico

- R4 UESC projects - Approximately 3.5 Million square feet
  - 11 buildings in Georgia
  - 4 buildings in Georgia
  - 4 building in Alabama

- R9 UESC projects - Approximately 1.3 Million square feet
  - 3 buildings in California
EVOLUTION OF GREEN BUILDINGS

- **Energy Efficiency**: Isolated measures <15% energy savings
- **Deep Energy Retrofits**: Integrated measures >40% energy savings
- **Net Zero Energy**: Holistic solution across efficiency and renewables, Generation = use
- **Grid Interactive Buildings**: System level solution, Benefit both building owners and the grid, Optimizes demand and consumption
BENEFITS BEYOND TYPICAL RETROFITS

Retrofit

Address Deferred Maintenance

Update equipment

Integrative Design

Energy Cost Savings

Cost savings, energy consumption and demand savings

Improves Occupant Satisfaction

Increased energy productivity, less downtime, less interruptions, more productive occupants

Increases Resilience and Energy Security

Every kWh saved is one you don’t have to pay for and one that you don’t have to back-up > 2X benefit

Grid benefits

Less generation, transmission and distribution infrastructure to build and maintain
GRID-INTERACTIVE EFFICIENT BUILDINGS

Business as Usual

Grid-interactive Efficient Buildings