



Introduction to ESPC ENABLE

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Interagency Sustainability Working Group
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- ESPC ENABLE Overview
- ECM Summary
- Process Cycle
- Program Status
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- Questions



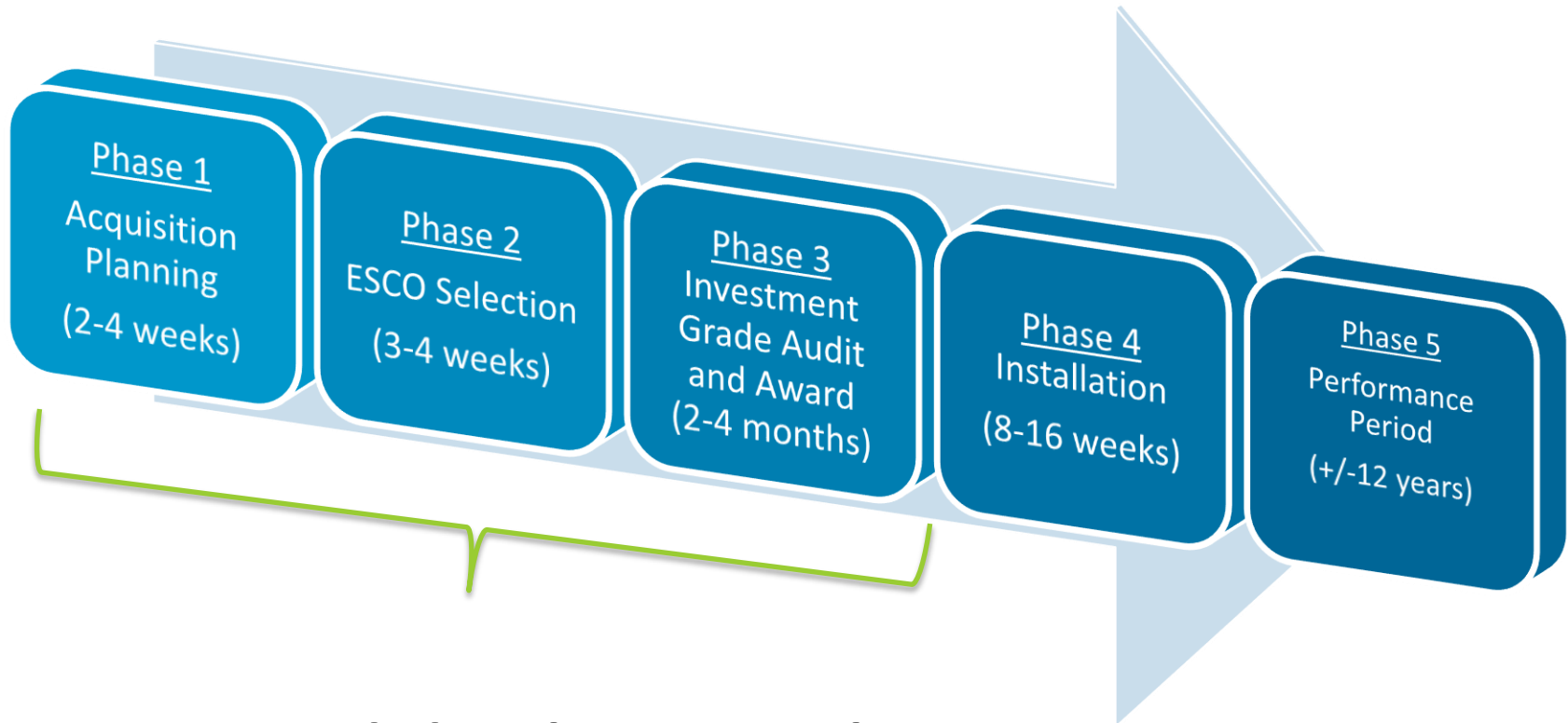
ESPC ENABLE is an alternative energy performance contracting program:

- Intended for smaller projects at federal facilities (underserved market)
 - Or where ENABLE presents the best or only option for the agency to fund a project
 - Is intended for Federal facilities with buildings under 200,000 square feet
 - Project size \$200k - \$5.5 million
 - ***No fixed minimum or maximum facility or \$ size***
- Standardized and streamlined process to quickly award projects and realize savings using GSA Schedule 84, SIN 246-53
 - Templates, IGA tool
 - No preliminary assessment
- Targets straight-forward ECMs including lighting, water fixtures, basic HVAC controls, HVAC equipment replacement and solar PV
- Prescribes basic levels of measurement and verification (M&V) for each ECM – primarily Option A

ECM	Included	Not Included
Lighting	<ul style="list-style-type: none"> Lamps, Ballasts, Fixtures Controls: Occupancy, Day lighting (on/off, dimming) 	<ul style="list-style-type: none"> Solar Lighting (off-grid installations allowed)
Water	<ul style="list-style-type: none"> Sanitary plumbing fixtures: sinks, toilets, urinals, showers Irrigation Leak repair Domestic/commercial hot water heaters Water based appliances: dishwasher, ice machine, clothes washer, etc. 	<ul style="list-style-type: none"> Heating/Cooling system improvements (cooling towers, once through cooling, condensate reclaim)
HVAC Controls	<p>Whole building control strategies including:</p> <ul style="list-style-type: none"> Time/Temperature Set-back Demand/Night Ventilation 	<ul style="list-style-type: none"> Advanced Controls ¹: Energy Management Control Systems (EMCS) / Building Automation Systems (BAS)
HVAC Equipment	<p>Basic whole building/system one-for-one replacement ² of:</p> <ul style="list-style-type: none"> Window AC units / Electric Baseboard heat Split AC/Furnace Heat Pumps Packaged Terminal Air Conditioner (PTAC) Packaged Single Zone Air Conditioner (PSZ) Roof Top Units (RTU) 	<ul style="list-style-type: none"> Single building Boiler/Chiller Central Boiler/Chiller Plants Retro-commissioning based activities Non-building related heating/cooling/ventilation
Solar PV	<ul style="list-style-type: none"> Ground, Roof, Parking Canopy mount Fixed and Tracking Arrays Grid Tied and Off-grid 	<ul style="list-style-type: none"> Solar Thermal (Hot Water) Hybrid PV/Hot water systems

1. Advanced Controls may be considered, however savings calculations within the ENABLE IGA tool are limited to time/temp set-back, demand/night ventilation

2. Current ENABLE IGA tool is presently configured to model one-for one replacement of whole system(s) across an entire building with “like” systems (ex: replace (3) RTU’s with (3) higher efficiency RTU’s.) IGA Tool not presently configured to model partial replacement of building HVAC systems or replacement/modification of sub-systems (ex: VFD’s on select fan units).



- *Projects awarded in about 6 months*
- *Energy/cost savings in 8-12 months*

Updates in the Program

- 21 qualified ESCOs under GSA Schedule 84
 - Eleven Small Business contractors
 - Three Disabled Veteran contractors
 - Six IDIQ contractors
- IGA tool being converted to web environment

Project Status

- 4 projects awarded: USAF, GSA, USFS, US Embassy (\$0.2 - \$3.5 million)
- Multiple projects underway (Pipeline: 18 projects, \$20m; \$0.5-\$6.5m per project)
- Project scopes range from one to multiple ECMs



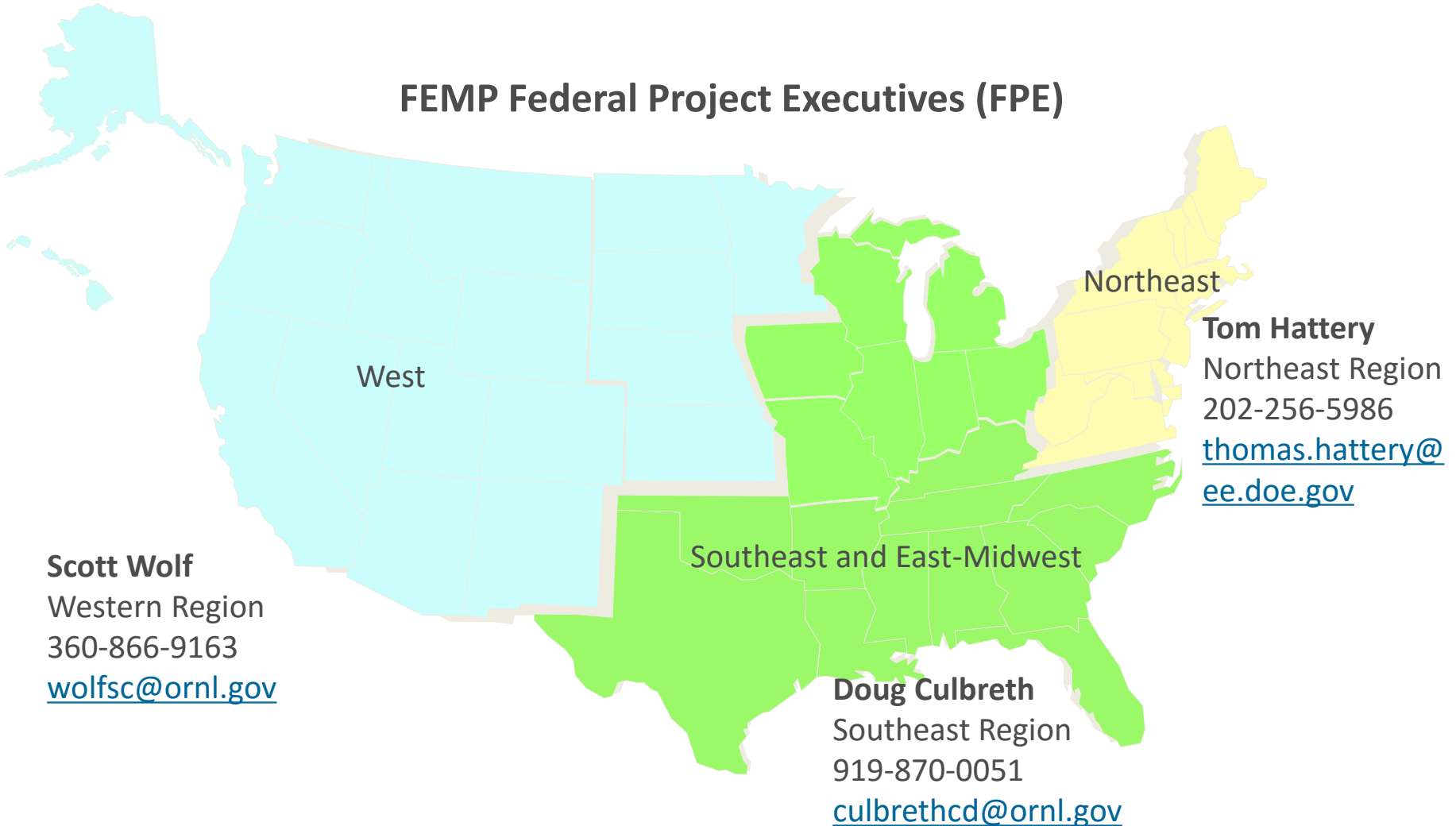
- Look at agency portfolio to identify:
 - Small sites not attractive under IDIQ
 - Potential to develop comprehensive agency program
 - Small business/disabled veteran targets
- Contact FEMP for additional guidance



FEMP Resources Available to Federal Customers

- Assistance to build an ENABLE program
- Tools and templates
- Guidance to train, educate, and motivate
- Project management support to guide you through the ESPC ENABLE process
- Procurement subject matter experts to support project execution
- ESPC ENABLE webpage resources, including training
<http://energy.gov/eere/femp/espc-enable>

FEMP Federal Project Executives (FPE)



<http://energy.gov/eere/femp/energy-savings-performance-contract-federal-project-executives-0>

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