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INVESTING IN GEORGIA'S
ENERGY, LAND & WATER RESOURCES

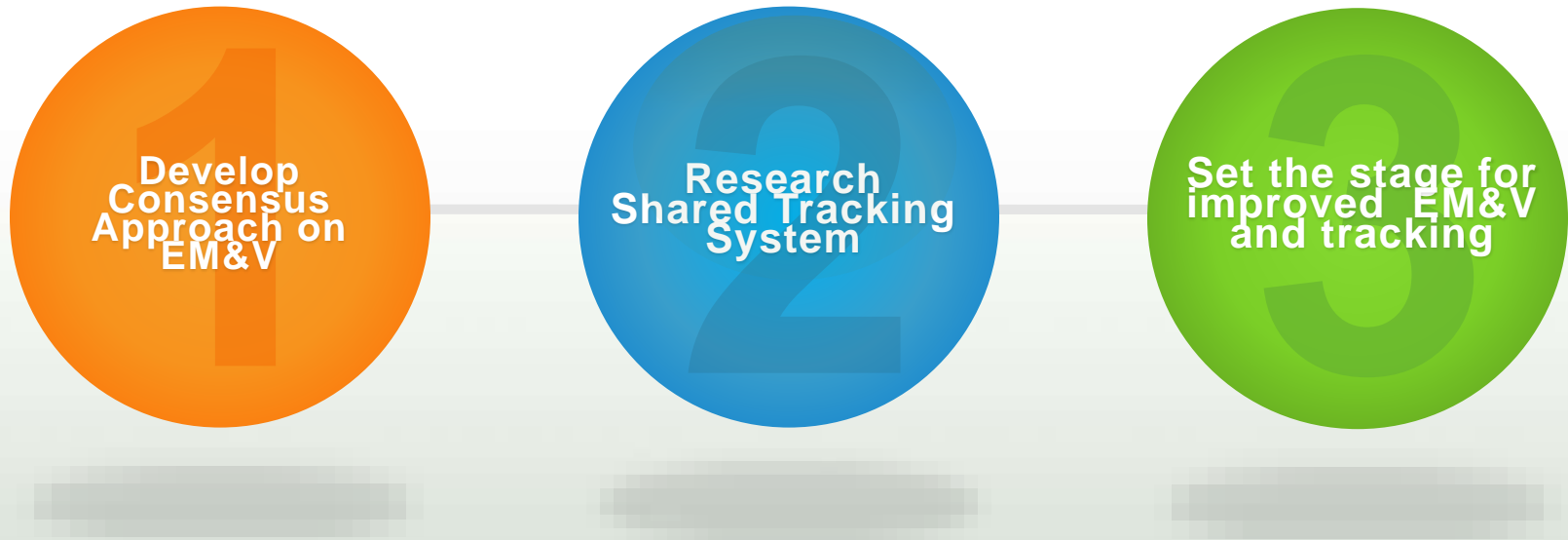


MEASURES Project

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Goals of the **MEASURES** Project



EXPECTED OUTCOME: Increased value, visibility, and utility of ESPC investments.



Step One: Develop Consensus M&V Approach

- Administer survey to state agencies, local governments, and energy services companies (ESCOs)
- Generate cross state report and state specific report



Measurement and Verification Credibility Must be Established to Satisfy:

- Customers
- State Energy Offices or other oversight agencies
- Legislatures (authorizing & funding)
- Environmental Agencies, if used for air quality management
- Public Utility Commissions, if utilities are involved
- Financiers



Cross – State Report

Summary:

- Summarizes results of three states' interviews, surveys, and review of ESPC practices
- Recommends consistent protocols and gap-filling steps

Recommendations:

- State oversight of ESPCs to ensure consistent application of EM&V protocols
- M&V criteria in ESCO prequalification (IPMVP, FEMP M&V, ASHRAE guides)
- Phase in annual reporting in eProject Builder (ePB)
- Prohibit early termination of annual M&V reporting, unless ESCO and agency/locality agree to forego the receipt of emission rate credits (ERCs) or other air quality credits/allowances
- State review of annual M&V reports to ensure consistency
- State provision of technical assistance and ongoing M&V training to agencies and localities
- Get input from air quality offices and utility regulators



Step Two: Research Shared Tracking System – eProject Builder

- Developed by Lawrence Berkeley National Laboratory (LBNL)
- ePB as an evolving platform
 - Project data repository
 - Can support ERCs, C offsets, other future values
 - ePB will be required in FEMP programs & state ESPC Accelerator commitments
 - Three states piloting ePB with real project data
 - Other states/localities starting to use or are interested
 - ePB can support a National Energy Efficiency Registry (NEER)
 - But could be enhanced to support and improve ability to query and provide reports



eProject Builder



- Enter New Project
- Download Project Template
- Download All Projects in Table as .csv

- To view project data online, click the project name.
- To download a draft output schedule for pre-approved or approved projects, click the gear icon and the "download schedule" link.
- To manage names of who can view the project, click the gear icon and the "manage viewers" link.

Search:

ePB ID	Project Name	Market	Agency	Award Date	Last Modified	Customer	ESCO	Total Implementation Cost	Total Guaranteed Savings	Proposal Status	M&V Status	Data % Complete	Actions
509	University of Georgia	State/Local Government	GEFA	2015-09-09	2016-07-27 15:44:48	Georgia Environmental Finance Authority	GEFA		\$2,900,088	Pre-Approval		62%	
508	Philips State Prison	State/Local Government	Philips State Prison		2016-07-22 07:23:53	Georgia Environmental Finance Authority	GEFA		\$7,388,120	Pre-Approval	Pending	62%	
507	North Georgia Mountains Authority	State/Local Government	GEFA		2016-07-27 15:45:18	Georgia Environmental Finance Authority	GEFA		\$7,936,491	Pre-Approval		62%	
510	Georgia World Congress Center	State/Local Government	GEFA		2016-07-27 15:44:07	Georgia Environmental Finance Authority	GEFA		\$48,895,581	Pre-Approval		62%	
508	Georgia Tech	University/College	GEFA		2016-07-27 15:44:53	Georgia Environmental Finance Authority	GEFA	\$0	\$13,176,201	Pre-Approval		62%	
511	Department of Corrections	State/Local Government	GEFA		2016-07-27 15:43:23	Georgia Environmental Finance Authority	GEFA		\$50,325,284	Pre-Approval		73%	

Showing 1 to 6 of 6 entries

← Previous 1 Next →



If you have questions, issues or feedback on eProject Builder please email: epb-support@lbl.gov



← [Project Dashboard](#)

Phillips State Prison 1 Project Data 2 ECM 3 Approve

Project-Level Information



Payment Timing

Bonded Amount (optional)	\$4,548,297.00
Financing Procurement Price (Construction Interest)	\$0.00
Financing Procurement Price (Other Expenses)	\$0.00
Implementation Period (Year 0) Payments	\$0.00
Applicable Financial Index (optional)	Contract Term 15 yrs (enter in cell below) Project Interest Rate 2.81% (enter in cell below)
Index Rate or Project Interest Rate	0 %
Added Premium	0 %
Project Implementation Markup	0 %
Start Date of Loan (optional)	
Notes (optional)	

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← Project Dashboard

Phillips State Prison

- 1 Project Data
- 2 ECM**
- 3 Approve

ECM-Level Information

11 Measures Entered

- [19 / 22] Vending Meets and Snack Machine Detamping
- [7 / 23] Replace Steam Boilers with High Efficiency Hot Water System
- [19 / 25] Main Laundry Equipment Replacement
- [7 / 1] Domestic HW System Upgrade
- [2 / 2] Chiller Replacement and Chiller Repairs
- [4 / 8] HVAC Controls
- [7 / 9] Instantaneous Hot Water Heaters
- [5 / 12] Interior Lighting Replacement and Control
- [7 / 14] Domestic Water Conservation - All
- [20 / 17] Water-cooled to Air-cooled Conversion for Ice Machines
- [20 / 19] Ozone Laundry System

ECM Data - Main Laundry Equipment Replacement

Characteristics

Cost & Financials

Baseline & Savings

ECM Size (optional)

ECM Coverage (optional) %

First Year MSV Option Option C

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Step 3: Set the Stage for Improved EM&V & Tracking

- Collaboration between GA, KY, and VA
- NEER: Six state collaboration led by Tennessee to develop a national energy efficiency registry
- Continue to engage air regulators
- Continue to engage energy services providers
- CPP Stay: EE can help address other air pollutants as well as other environmental concerns such as energy – water nexus.
- Provide feedback on eProject Builder



Georgia Next Steps

- Continue to evaluate eProject Builder
- Consider adding reporting requirements for eProject Builder
- Continue work with the NEER grant team
- Further discussions with air regulators, pending CPP stay and other air regulations

Lessons

- Georgia already has in place a number of program requirements to help
- Dynamic, quickly changing requirements



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