U.S. DEPARTMENT OF

Office of ENERGY EFFICIENCY & RENEWABLE ENERGY Guidance and Recommendations for Streamlining Reporting for Federal Energy and Water Efficiency Projects

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Preface

This guidance was prepared by Lawrence Berkeley National Laboratory for the U.S. Department of Energy/Office of Energy Efficiency and Renewable Energy/Federal Energy Management Program.

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List of abbreviations and acronyms

CTS	EISA Compliance Tracking System
DOE	Department of Energy
ePB	eProject Builder
EISA	Energy Independence and Security Act of 2007
ESPC	Energy savings performance contract
FEMP	Federal Energy Management Program
IDIQ	Indefinite-delivery, indefinite-quantity
LBNL	Lawrence Berkeley National Laboratory
M&V	Measurement and verification
UESC	Utility energy service contract

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Guidance and Recommendations for Streamlining Reporting for Federal Energy and Water Efficiency Projects

1 Introduction

Federal agencies are required to report on their progress in meeting various energy and water management requirements (42 U.S.C. § 17143, 42 USC 8253(f), 42 U.S.C. § 8258(a), 42 U.S.C. § 8287b). These reporting requirements encompass energy and water projects at federal facilities, including projects that are alternatively financed, e.g., conducted through energy savings performance contracts (ESPCs) or utility energy service contracts (UESCs). The purpose of this guidance is to provide recommendations to streamline federal agency reporting. The guidance recommends the use of eProject Builder (ePB), a project development and archiving tool for energy projects. ePB carries additional value in its simplification of federal agency reporting by dovetailing with the Federal Energy Management Program's (FEMP's) EISA 432 Compliance Tracking System (CTS), as described more below.

2 Overview of Reporting Requirements

The following statutory provisions establish required federal agency energy project reporting (see FEMP's Performance Tracking and Reporting site describing each requirement):

- 42 U.S.C. § 8253, Energy Management Requirements, and 42 U.S.C. § 8258, Reports
 - Annual Investment Report: Each year, federal agencies report on *aggregate* efficiency project investment funded through direct obligations, ESPCs, and UESCs. This includes the number of project awards under each funding type, estimated annual energy savings, and financing costs where appropriate. (See Federal Facility Reporting Requirements and Performance Data.)
 - Initiated Projects Report and Project Follow-up Report: On an ongoing basis, federal agencies report project-level information on *individual* projects undertaken in facilities covered under the requirements of 42 U.S.C. § 8253(f) established in Section 432 of the Energy Independence and Security Act of 2007 (EISA 432). Federal agencies report awards of initiated projects that are funded with direct obligations or alternatively financed through ESPCs or UESCs, including their estimated energy, water, and cost savings, in the web-based CTS, which was established by DOE as directed by EISA. There is also a requirement to report on measured and verified annual savings from these initiated projects in covered facilities to ensure persistence of savings. (See EISA Federal Facility Management and Benchmarking Reporting Requirements.)
- 42 U.S.C. § 8287b, Reports
 - Requires federal agency reporting periodically to DOE "full and complete information" regarding ESPC activities.

This document provides the guidance for federal agencies to comply with these aforementioned energy project reporting requirements.

3 Tool to Streamline Reporting: eProject Builder

eProject Builder (ePB) is a web-based energy project tracking and archiving system developed and maintained by Lawrence Berkeley National Laboratory (LBNL) that can assist federal agencies in their energy project reporting. FEMP recommends using ePB for development and monitoring of all major federal agency energy projects, as well as for streamlining project reporting pursuant to 42 U.S.C. §§ 8253(f), 8258(a), and 8287b. Using ePB can help federal agencies avoid duplicative or otherwise unnecessarily burdensome efforts by capturing information for the life of each project in one place. Specifically, ePB captures all of the necessary data fields for 42 U.S.C. § 8253(f) and 42 U.S.C. 8258(a) reporting requirements, as well as for ESPC-related reporting. These ePB fields (generally found in project proposals) are identical to the fields required for the CTS (Table 1):

Agency name (cabinet-level)
Project name
Project ID
Date of project contract signing
Project acceptance date
Total project implementation cost (exc. financing)
Total performance period expenses
Total project cost (inc. financing)
Total project implementation cost (exc. financing)
Total project cost (inc. financing)
Contract term (years)
Annual estimated energy savings (million Btu)
Estimated annual savings - electricity use (kilowatt-hours)
Estimated annual savings - natural gas (million Btu)
Estimated annual savings - other energy (million Btu)
Estimated annual savings - water use (thousand gallons)
ECM - technology category

Table 2 lists some of the key measurement and verification (M&V) data fields collected in ePB and CTS, i.e., information that is collected once projects are in their performance period.

Table 2. M&V fields common to ePB and CTS.

Project acceptance date
Award date
M&V report date
M&V option
M&V report approval date
M&V report reviewed date
Verified annual savings - electricity use (kilowatt-hours)
Verified annual savings - natural gas (million Btu)
Verified annual savings - other energy (million Btu)
Verified annual savings - water use (thousand gallons)

ePB was designed to be compatible with the terminology and conventions used in the documentation of federal energy projects. ePB is already widely used to implement and track ESPC projects, significantly reducing data input and project tracking burdens on federal agencies. For example, ESPC projects using DOE's third-generation indefinite-delivery, indefinite-quantity (IDIQ) contract (eff. 4/2017) are currently required to use ePB for project development. These contracts place the responsibility on ESCOs to populate ePB. Consequently, the reporting burden on federal agencies associated with these ESPCs is significantly reduced and federal agency personnel can access the necessary reporting fields in a CTS-importable format. In addition, ePB is compatible with UESCs and projects that are not financed and funded from direct obligations.

Moreover, ePB is currently being enhanced to seamlessly upload the desired data elements from ePB into CTS (see Figure 1, below).

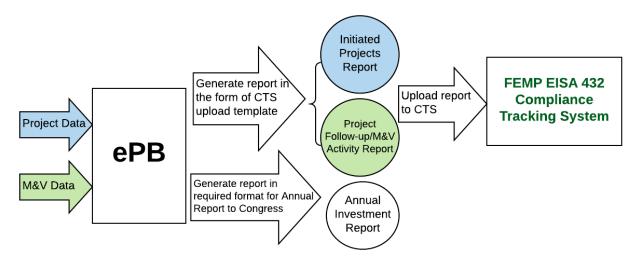


Figure 1. Planned data flow from ePB to CTS.

The Initiated Projects Report is currently available in a CTS-importable format and the Follow-up/M&V Activity Report and Annual Investment Report are currently under development in ePB.

4 Project-Specific Reporting Requirements

4.1 ESPCs

Federal agencies are required by 42 U.S.C. § 8287b to periodically report to DOE full and complete information regarding ESPC activities. This section sets forth the data that federal agencies should include in their annual report on ESPC activities for both initial ESPC project award and annual ESPC M&V data reporting to meet the 42 U.S.C. § 8287b reporting requirement. The same reports can also be used for federal agency CTS reporting under 42 U.S.C. § 8253(f) for initiated projects undertaken at EISA-covered facilities, as is discussed below.

Using ePB to implement and track ESPC projects can significantly reduce federal agency data input and project tracking burdens. ESPC project reporting burdens may also be reduced because Federal agencies have the ability to allow FEMP to directly access project data in ePB. For federal agencies using a DOE IDIQ contract, no separate ESPC reporting is necessary for 42 U.S.C. § 8287b, because DOE's third-generation ESPC IDIQ contracts require use of ePB for project development and management and FEMP can directly access the necessary reporting data for these projects in ePB.¹ For ESPC projects that do not use a DOE IDIQ contract, Appendix B provides additional information on possible ePB requirements to consider for inclusion in an ESPC. To the extent possible, FEMP recommends that federal agencies include in non-DOE IDIQ ESPCs a requirement directing ESCOs to enter project data into ePB. Federal agencies may opt not to use ePB to report ESPC data, in which case this guidance provides data files (derived from ePB) that set forth the data points that should be included in a federal agency's annual report to DOE on its activities under 42 U.S.C. 8287, *et seq.*

ESPC data entered in ePB also allow federal agencies to more efficiently meet their ongoing reporting requirements for 42 U.S.C. § 8253, Energy Management Requirements, and 42 U.S.C. § 8258, Reports. As outlined in Section 3, ePB allows federal agencies to streamline ongoing CTS reporting under 42 U.S.C. § 8253(f) for initiated projects undertaken at EISA-covered facilities. ePB produces input files for upload to CTS (see ePB for more details), which federal agencies can utilize to streamline reporting, using the same data in ePB for CTS reporting. The Annual Investment Report and Project-Follow-up report data streamlining capabilities are being developed as described in Section 3.

42 U.S.C. § 8287b Reporting

Reporting Frequency:

Reporting on the prior calendar year's project awards and M&V reporting for projects in their performance periods should be submitted not later than January 31st.

Data to be reported:

ESPC awarded project data, and post-installation and annual M&V data are to be reported. The data points to be reported for awarded projects can be found in the *ePB Data Template User Guide*. Appendix C of this guide includes in template format the ePB data points, which are also accessible in electronic format online. If an ESPC project will be tracked and managed in ePB, a federal agency or its contractor/ESCO can provide the New Project Data and Annual M&V Data below, which can be populated in ePB (Option 1). Federal agencies may also choose to report data directly to DOE (Option 2).

¹ FEMP also has access via ePB to the necessary data for any DOE ESPC IDIQ task orders that precede the third-generation IDIQ.

New Project Data: Federal agencies may use one of the following templates to report ESPC awarded project data:

- a. Calculating Template. This template includes standardized amortization calculations for interest and principal payments. FEMP recommends using this template as it employs standardized calculations to determine annual payments.
- b. Non-calculating Template. This template overrides the Calculating Template calculations. This template cannot be used to calculate project cash flow and the output schedules. FEMP only recommends using this template where the specific situation warrants use of different calculations, for example where energy savings decrease over time.

Annual M&V Data: The data fields necessary for reporting post-installation and annual M&V results are listed in the appendix to the *User Guide for eProject Builder M&V Module*.

Method of reporting:

The federal agency has two options for reporting the data to DOE if the awarded task order was not issued under a DOE ESPC IDIQ contract. Each is outlined below.

Option 1:

Federal agencies may use eProject Builder (ePB) directly for their initial ESPC project award, post-installation and annual ESPC M&V reporting. Federal agencies may share ePB data for each project with DOE through a "Project Viewer" designation. A Project Viewer does not have any ability to change the data but has full access to see a given project. Projects may be shared with DOE by designating the following email address as a Project Viewer²: FEMP_ESPC_Reporting@ee.doe.gov

Note: Using ePB is the most efficient way to track and share data, allowing federal agencies to use the powerful features of ePB to analyze their own data. ePB is designed to allow the contractor/ESCO to enter the data such that the federal agency only verifies accuracy before accepting the data.

Option 2:

Federal agencies that choose not to use ePB may share each project's initial award and post-installation and annual M&V data with DOE by e-mailing the New Project Data and Annual M&V Data in electronic format to DOE at FEMP_ESPC_Reporting@ee.doe.gov.

4.2 UESCs

Reporting for UESCs is required under 42 USC 8253(f) and 42 USC 8258(a) as described in Section 2. FEMP recommends the use of ePB for assembling project data elements and using the EISA 432 CTS reporting functions to streamline reporting. CTS accepts the required data elements for UESC projects from the ePB export to populate the "Initiated Projects" report in CTS. (See ePB web link for more details on use).

² Viewer of an ePB project data can be found on page 5 of this link:

https://eprojectbuilder.lbl.gov/assets/help/eProject_Builder-Getting_Started_Guide.pdf

The Annual Investment Report and Project-Follow-up report data streamlining capabilities are being developed as described in Section3.

4.3 Direct-funded Projects

Reporting for projects funded with direct obligations is required under 42 USC 8253(f) and 42 USC 8258(a) as described in Section 2. FEMP recommends the use of ePB for assembling project data elements and using the EISA 432 CTS reporting functions to streamline reporting. CTS accepts the required data elements for direct-funded projects from the ePB export to populate the "Initiated Projects" report in CTS. (See ePB web link for more details on use).

The Annual Investment Report and Project-Follow-up report data streamlining capabilities are being developed as described in Section 3.

5 Conclusion

Federal agencies bear a significant burden for reporting their energy and water performance, much of which is focused on the projects they pursue to conserve resources and implement renewable energy at their sites. ePB is a valuable tool for developing and archiving projects, including their performance over time. Leveraging ePB to fulfill federal agency reporting requirements can alleviate some of this reporting burden. Additionally, ePB has developed tools and mechanisms to report these data in a simplified manner that dovetails with federal agencies' CTS and other reporting requirements.

Appendix A: EISA 432 CTS Implemented Project Data Fields

Field Name	Description	Data Type/ Validation	Required/ Optional		
Project Name	The implemented project name	Text: (100 char max)	Required		
Agency Designated Project ID	Internal agency defined project identifier. This identifier is used to link follow-up activity to existing projects in CTS during batch uploads. It must be unique across the sub-agency.	Text: (50 char max)	Required		
Project Initiation Date	Date of contract award	Date field(s)	Required		
Project Implementation Date	Date when majority of the project was completed and implemented. (substantial completion)	Date field(s)	Optional		
Project Acceptance Date	Date of project completion and formal project acceptance. (equipment commissioned/O&M plan in place)	Date field(s)	Optional		
Funding Source	 Funding Source Type: Direct (ARRA) Direct (Centralized Capital Funding) Decentralized Operating Budgets Utility Energy Service Contract (UESC) Energy Savings Performance contract (ESPC) Power Purchase Agreement (PPA) Enhanced Use Lease (EUL) Incentive Program Other 	Selection: (list) Funding Source is indicated by supplying the Funding Level (Dollars)	Required (indicate the Funding Level for at least one Funding Source OR supply the Total Project Implementation Cost)		
Funding Level	\$ value associated with funding source	Numeric: (Dollars)	Required for each funding source type selected		
Total Project Implementation Cost	Total Project Implementation Cost may be entered by Funding Source or directly as a total. Does not include financing and interest payments	Numeric: (Dollars) Option: If entered by Funding Source, the system calculates the total of Funding Levels above.	Required		
Financing Costs	Total financing from all funding sources	Numeric: (Dollars)	Required (if applicable)		
Total Awarded Contract Value	Calculated field: Total Project Implementation Costs + Total Financing Costs for all sources	Numeric: (Dollars) system calculated total	Required		
Estimated LCC Net Savings	Measure of cost effectiveness used to validate this project. Value in \$ entered directly	Numeric: (Dollars)	Optional Optional		
Life of Project	Estimated life of project in years	Numeric: (Years, integer)			

Implemented Project – Data Fields

Field Name	Description	Data Type/ Validation	Required/ Optional		
Estimated Annual Energy Savings by Fuel Type	Estimated Savings (converted to Million Btu from fuel savings entered in native units below): Electricity Savings (kWh) Natural Gas Savings (Thou. Cu Ft) Coal - Anthracite (Short Tons) Coal - Bituminous (Short Tons) Coal - Coke (Short Tons) Distillate Fuel Oil #1 (Gallons) Distillate Fuel Oil #2 (Gallons) Distillate Fuel Oil #4 (Gallons) Distillate Fuel Oil #5 (Gallons) Distillate Fuel Oil #6 (Gallons) Propane (Gallons) Liquid Propane (Gallons) Chilled Water - Electric Driven (Ton Hours) Chilled Water - Engine Driven (Ton Hours) Kerosene (Gallons) Diesel (Gallons) Other	Numeric: (Saved in native units by fuel type as indicated)	Required (if applicable)		
Total Estimated Annual Energy Savings	Combined Estimated Annual Energy Savings entered by Fuel Type or entered directly as Million Btu	Numeric: (Million Btu) Note: Either calculated from native fuel type or entered as a total in Million Btu.	Required (if applicable) At least one: Energy or Water or Renewable Savings, is required.		
Estimated Annual Water Savings	Estimated Annual Water Savings	Numeric: (Thou. Gallons)	Required (if applicable; see note for Total Estimated Energy Savings)		
Estimated Renewable Savings (Electricity)	Estimated Annual Renewable Electricity Output Savings	Numeric: (kWh)	Required (if applicable; see note for Total Estimated Energy Savings)		
Estimated Renewable Savings (Thermal)	Estimated Annual Renewable Thermal Output Savings	Numeric: (Million Btu)	Required (if applicable; see note for Total Estimated Energy Savings)		
Efficiency and Conservation Measures Implemented	List of energy and water Efficiency and Conservation Measures (ECMs) implemented within this project grouped by Technology Category; # of ECMs bundled is indicated.	Selection: (list) Allow selection of multiple Technology Categories and ECMs. (choose at least 1 of 20 categories)	Required		
Project Comments	Text field for capturing any notes related to this implemented project	Text: (2000 char max)	Optional		

EISA 432 CTS Project Follow-up Measurement and Verification – Data Fields

Field Name	Description	Data Type/ Validation	Required/ Optional	
Follow-up Activity Date	Indicate date of this M & V report	Date	Required	
M & V Methodology	 Identify the M & V Methodology used: Option A: Key Parameter monitoring (short term metering/ spot measurements of key parameter) Option B: All Parameter monitoring (long term monitoring of all parameters normalizing for weather occupancy etc.) Option C: Whole Building monitoring Option D: Calibrated Computer Simulation Multiple 	Select: (list)	Required	
Measured Annual Energy Savings	Measured Energy Savings converted to Million Btu from fuel savings entered by Fuel Type in native units.	Numeric: (Million Btu)	Required (if applicable) At least one: Energy or Water or Renewable Savings, is required.	
Measured Annual Energy Savings By Fuel Type	Measured Energy Saving reported by fuel type in native units: Electricity Savings (kWh) Natural Gas Savings (Thou Cu Ft) Coal - Anthracite (Short Tons) Coal - Bituminous (Short Tons) Coal - Coke (Short Tons) Distillate Fuel Oil #1 (Gallons) Distillate Fuel Oil #2 (Gallons) Distillate Fuel Oil #4 (Gallons) Distillate Fuel Oil #5 (Gallons) Distillate Fuel Oil #6 (Gallons) Eliquid Propane (Gallons) Liquid Propane (Gallons) Chilled Water/Electric (Ton Hours) Chilled Water/Absorption (Ton Hours) Kerosene (Gallons) Dissel (Gallons) Other (Million Btu)	Numeric: (Million Btu)	Required (if applicable) At least one: Energy or Water or Renewable Savings, is required.	
Measured Annual Water Savings	Measured Annual Water Savings	Numeric: (Thou. Gallons)	Required (if applicable; see note for Total Estimated Energy Savings)	
Measured Renewable Savings (Electricity)	Measured Annual Renewable Electricity Output (Solar PV, Wind, etc.) Savings	Numeric: (kWh)	Required (if applicable; see note for Total Estimated Energy Savings)	
Measured Renewable Savings (Thermal)	Measured Annual Renewable Thermal Output (Geothermal, Active/Passive Solar Biomass, etc.) Savings	Numeric: (Million Btu)	Required (if applicable; see note for Total Estimated Energy Savings)	

Appendix B: Contract Language and Instructions for ESCO Use of ePB in ESPCs

The following recommended contract language and instructions were adapted from existing language in DOE's ESPC IDIQ contracts, and can be adapted for use in other (non-DOE IDIQ) ESPC contracts to streamline data entry through ESCO participation.

Language for initial award of an ESPC:

"The Contractor shall develop the TO Schedules using the ePB. (see eProject Builder System Instructions). The Contractor is responsible for validating that ePB-produced documents are correct."

Language for post-installation measurement and verification of an ESPC:

"The post-installation report shall include results of eProject Builder (ePB) output (see eProject Builder System Instructions), and M&V data and calculations."

Language for the annual measurement and verification of an ESPC:

"The annual M&V report shall include results of ePB output (see eProject Builder System Instructions), and data and calculations that demonstrate that continued ECM/WCM performance achieves the guaranteed annual energy, water, and related cost savings as required by the TO."

Recommended Instructions referenced in the recommended contract language:

eProject Builder System Instructions

Section 1 Introduction

eProject Builder (ePB) is a secure online data collection system for ESPC projects. It is offered through a web-based tool managed on behalf of the U.S. Department of Energy by the University of California / Lawrence Berkeley National Laboratory (LBNL). This system is subject to the protections, requirements, limitations, and exemptions of 10 C.F.R. § 1004.3(e)(2) and the Freedom of Information Act, 5 U.S.C. § 552. The ePB system includes ESPC project data for State, local, and federal agencies. It provides a standardized format for collecting and reporting ESPC project data. ePB enables Energy Service Companies (ESCOs) and their contracting agencies or other entities to:

- A. Upload and track project-level information;
- **B.** Generate basic project reporting materials (e.g. task order schedules) that may be mandated by local, state, and/or federal agency requirements; and
- **C.** Benchmark proposed Energy Savings Performance Contract (ESPC) projects against aggregate statistics from a database of historical project data.

Authorized users of ePB include local, state, and federal government agencies, private companies and their authorized staff, as well as other organizations authorized by these government agencies and/or private companies and their authorized staff. ePB users deliver and/or access project-level information only for those projects for which they are authorized. Project-level information delivered and/or accessed by ePB users is described on the eProject Builder website, and amended from time to time.

Section 2 General Process for Entering Project Information to ePB

Customers (i.e., ordering agencies) will initiate a project through the ePB system and invite an individual ESCO contact to "build" the project. After being invited to use the system and registering, the "project builder" (i.e., the ESCO) will be able to enter project information. After the project information has been entered, the ESCO will have the ability to generate draft schedules and submit the project information for customer (i.e., "project initiator") approval. Customer approval commits the project to the ePB system database and "project viewers", outside parties invited by the ESCO or customer agency or other authorized users, will have the ability to view, but not edit, the project information. Customer agencies have the ability to unlock a project for modification and re-submittal by the ESCO. The entering of project data and customer approval is similar for project financial and energy savings data that defines the project upon award, and subsequently during the post-installation and annual measurement and verification.

Section 3 Requirements for Contractor

All required project-level information is described on the ePB website. The contractor will collect and report project-level information to the ePB system at the following times for projects under the DOE ESPC IDIQ contract:

- **A.** Draft schedules shall be incorporated into the Preliminary Assessment (PA) for submittal. Inclusion of the cancelation ceiling schedule is optional, or as specified by the ordering agency in Task Order Request for Proposal.
- **B.** Complete draft schedules for the Draft Investment Grade Audit/Proposal shall be incorporated, when requested by the ordering agency.
- **C.** Complete schedules for the Final IGA/Proposal, once final negotiations are complete, shall be generated and incorporated into the Final IGA/Proposal, as referenced in Attachment J-4. These schedules will match what will be incorporated into the Task Order. The contractor shall submit the project for approval through ePB so the ordering agency can review and approve the schedules before Task Order Award to ensure there is agreement with the Final IGA/Proposal.
- D. Post-Installation M&V data shall be entered into ePB for the performance year of zero (0). The post-installation M&V schedule report within ePB shall be generated and incorporated into the Post-Installation Report, as referenced in Attachment J-4. Upon finalizing the post-installation report, the contractor shall submit the post-installation M&V data for approval through ePB so the ordering agency can review and approve the data.
- **E.** Annual M&V data shall be entered annually into ePB for the performance year of one (1) through the end of the Task Order. The annual M&V schedule report within ePB shall be generated and incorporated into the Annual M&V Report on ECM Performance, as referenced in Attachment J-4.

Upon finalizing the post-installation report, the contractor shall submit the post-installation M&V data for approval through ePB so the ordering agency can review and approve the data.

F. Complete ePB schedules for a contract modification (if applicable)

Section 4 ePB Support, Training Videos, and Documentation

Please visit the ePB Help site for complete instructions, documentation, and training videos on how to upload project information and use the ePB system.

Appendix C: eProject Builder Templates

Calculating Version of the Template³

ESPC Projects

			SUMMARY SC			
		BAS	SIC PROJECT IN	FORMATION		
_	Project Agreement Type (choose	Guaranteed Savings				
Agreement Type	from list)*					
	Role	Institution	Name	Title	Emai	Phone
	Project Facilitator					
	Customer (Project Initiator)					
Project Contact Information	ESCO (Project Builder)					
)	Finance Specialist					
	Primary Financier					
	Project Ide	entification	1		Project	Characteristics
	Task/Purchase Order #				List of Sites in Project (separated by commas)	
	Contract #				Number of Buildings in Project	
5	Project Name				List of Buildings in Project (separated by commas)	
Project Identification &	Primary Project Location-City Primary Project Location-State				Market Segment Total Floor Area Affected by	
Characteristics	Thindiy Hojeet Location-state				project (Square Feet) Average Annual Energy	
1	Primary Project Location-Zipcode				Consumption of Affected Buildings (MMBtu/yr)	
	Agency Name* Sub Agency Name/Region				Implementation Period (months)*	
	Project ID #					
	Financin	g Terms	1		Projec	t Capitalization
5	Applicable Financial Index	3			Total Implementation Price (from Schedule-2a Total)	\$0
,	Performance Period (years)				PLUS Financing Procurement Price-capitalized construction period interest (\$)*	
1	Index Rate*				PLUS Financing Procurement Price-other expenses (\$)*	
,	Added Premium (adjusted for tax incentives)*				LESS Implementation Period Payments (from Schedule-1, (c))	\$0
Costs &	Project Interest Rate (sum of two above inputs)	0.00%			Total Amount Financed (principal)	\$0
Financials	Financing Issue Date (mm/dd/yyyy)				Bonded Amount	
	Project Award Date (mm/dd/yyyy)*				Start date of Performance Period (mm/dd/yyyy)	
1	Effective Through (mm/dd/yyyy)				[]	
L .	Primary Type of Financing (choose from list)				-	inancial Summary
;	Secondary Type of Financing (choose from list)				Annual Estimated Energy Savings (MMBtu)	
	Payment Timing*				Annual Estimated Water Savings (kGal)	
	Guarantee % of Estimated Savings*				Total Estimated Cost Savings Total Guaranteed Cost Savings	
	Federal Contract Type				Total Payments	
Other Information	Primary Electric Utility Primary Natural Gas Utility				Templat	e Errors/Warnings
	Primary Water Utility					
-			l			
	MATION					
(1) These schedules sh	ould not be altered or changed in any way ex Intractor shall complete the installation of all p				schedules, terminology, etc.	
(3) If applicable, the c	ontractor shall propose "Bonded Amount" rep	presenting the basis of establishing performe	ince and payment bonds.		The sets will be leaded at the set success in the	d in final the such the performance of a
	stated interest rate is considered preliminary		e will be based on market con	aditions at the time of award.	ine rate will be locked at time of award and	will be fixed through the performance period.
ADDITIONAL NOT						
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³ https://eprojectbuilder.lbl.gov/download/templates/ePB_Calculating_Data_Template_3.0.15.xlsx



ANNUAL DOLLAR SAVINGS ESCALATION RATES

Performance Period (ver) Electric Demand Natural Cas Other Savings Type 1: Other Other Savings Type 2: Other Water OAM Other Non- Energy Savings mplementation start through first year Image: Case of the case											
mplementation start through first year Image: Start in the start in t					-	-					
2			Demand	Gas	Type 1: Other	Type 2: Other	Water	O&M	Energy Savings		
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22 Image: Constraint of the second start through first year" reflects cumulative escalation occurring during the length of the implementation period through the first year of savings. This may represent an annual escalation figure that is compounded or another formulation (e.g., actual forecasts from utility companies). (2) All estimated cost savings numbers reported in Schedule 4 ("First year estimated cost savings by ECM") are assumed to have already incorporated the "Implementation start through first year" escalation rates reported above. (3) Please select other savings types from dropdown menu provided above, if applicable. ADDITIONAL NOTES:											
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25 Important information: (1) "Implementation start through first year" reflects cumulative escalation occurring during the length of the implementation period through the first year of savings. This may represent an annual escalation figure that is compounded or another formulation (e.g., actual forecasts from utility companies). (2) All estimated cost savings numbers reported in Schedule 4 ("First year estimated cost savings by ECM") are assumed to have already incorporated the "Implementation start through first year" escalation rates reported above. (3) Please select other savings types from dropdown menu provided above, if applicable. ADDITIONAL NOTES: 3.0.15.c	23										
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(3) Please select other savings types from dropdown menu provided above, if applicable. ADDITIONAL NOTES: 3.0.15.c					mated cost saving	gs by ECM") are ass	umed to h	ave alread	dy incorporated the		
30.15.c					if applicable.						
	ADDITIONAL NOTES:										
	3.0.15.c										

		SCHEDULE #1				
	COST	SAVINGS AND PAYM	ENTS			
				1		
mplementation Period	(a)	(b)	(c)			
(Year 0)	Estimated Cost Savings*	Guaranteed Cost Savings*	Payments*			
	(d)	(e)	(f)	(g)		
Performance Period (Year)	Estimated Annual Cost Savings	Guaranteed Annual Cost Savings	Annual Payments	Annual Dollar Savings Retained by Customer		
1	\$0	\$0	\$O	\$0		
2	\$O	\$O	\$O	\$O		
3	\$O	\$O	\$O	\$O		
4	\$O	\$O	\$O	\$O		
5	\$O	\$O	\$O	\$O		
6	\$O	\$O	\$O	\$0		
7	\$O	\$0	\$O	\$O		
8	\$O	\$O	\$O	\$O		
9	\$O	\$0	\$O	\$0		
10	\$O	\$0	\$O	\$O		
11	\$0	\$0	\$O	\$O		
12	\$O	\$0	\$O	\$O		
13	\$0	\$0	\$O	\$0		
14	\$O	\$0	\$O	\$0		
15	\$0	\$0	\$O	\$0		
16	\$0	\$0	\$O	\$0		
17	\$0	\$O	\$O	\$O		
18	\$0	\$0	\$O	\$0 \$0 \$0		
19	\$0	\$O	\$O			
20	\$0	\$0	\$O			
21	\$0	\$0	\$0	\$O		
22	\$0	\$0	\$0	\$0		
23	\$0	\$0	\$0	\$0		
24	\$0	\$0	\$0	\$0		
25	\$0	\$0	\$0	\$0		
Total Performance Period:	\$0	\$0	\$0	\$0		
Total Implementatio	n & Performance Period	Total Guaranteed Cost Savings (b+e)	Total Payments (c+f)			
		\$0	\$0			
PORTANT INFORMATION						
Ms start accruing before	construction is complete on the	rranteed) can represent two thing greater project), and b) custome in the project. Implementation pe	er buydown amounts. Customer	buydowns are counted as		
	because those are entered in Sc					
-		description in the M&V plan propo	· · ·			
		ce and should be supported by in		theophy		
		ntation period energy savings and dementation and performance p		,		
If applicable, the avarar		ne estimated annual cost savings				
Escalation rates (see An						
) Escalation rates (see An						
) Escalation rates (see An						
Escalation rates (see An						

	1	IMPLEMENTATION PR		OULE #2a IERGY CO		ATION MEAS	URE			
							(a)	(b)	(c)	(d)
ECM - Technology Category*	ECM No.	ECM Description – Title*	ECM Size	ECM Coverage (%)	Location	M&V Expense (\$)	Cost of Goods and Services (Base Construction)*	Project Implementation Delivery Charge*	Applied Incentives	Implementation Price PDP + [a+b] - c
	Project Development Price (PDP)-Technical Energy Audit and Project Proposal									
	TOTALS:					\$0	\$0	\$0	\$0	\$0
MPORTANT INFORMATION:										
1) This schedule is not to be altered o	r changed in any way.									
 Cost of Goods and Services (Base C costs as well as profit, For IDIQ ESPC pro 	Construction) shall include only direct c ojects, Cost of Goods and Services and	osts for each ECM and no post-accep Project Implementation Delivery Char	otance perform aes are itemize	ance period d in Schedule	expenses. Pro -2b.	ject Implementati	on Delivery Charges are a	dded to each of the EC	Ms and includ	le direct and indirect
	supporting information detailing total in		-							
 For the following ECMs, enter under ransformers in kVA, generators in kW. 	er ECM Size the total installed capacity For lighting ECMs, specify baseline kW	of new equipment in the units specifient treated.	ed; chilers and	packaged un	iits in tons (e.g	g., for a chiller - 25) tons), VFDs in hp, boilers	and furnaces in input Bt	u/hr, BAS/EMO	CS in number of points,
5) ECM coverage (%) represents the	percentage share of the total project f	loor area (see Summary Schedule) af	fected by the B	CM.						
	h ECM eauals the sum of items b and i	on Schedule-2b. These expenses are	already includ	ed in the Base	Construction	Cost and Proiect	Implementation Delivery	Charae.		
ADDITIONAL NOTES:										
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			Project Implementation Pricin	g Worksheet			
		Cost Item	Description	Percent of Cost of Goods and Services (Base Construction)	Price/Cost	Errors/Warnings	Schedule 2a Costs
	а	Subcontractor Costs (Contractor Costs To ESCO) exclusive of M&V equipment	A fixed-price bid received in response to a Request for Proposals issued by an ESCO for a specific scope of work, exclusive of the cast to install M&V equipment.				
	b	M&V Equipment Installed During Construction	The cost of equipment installed during construction which is integral to performance of M&V activities in the performance period.				
	С	Self-Performed Work	A fixed price cost for a specific scope of work performed by an ESCO.				
	d	Other Direct Purchases Of Equipment, Material, Supplies (Supplier Costs To ESCO) exclusive of M&V equipment	In some cases the ESCO may purchase equipment directly to be installed under scopes of work as described in items (a) and (c) above. This amount (d) represents the purchase price of all such equipment.				
Sum a+b+c+d)	е	Cost of G	oods and Services (Base Construction)		\$0		Ş0
	f	Design	Design costs include all professional architecture and engineering costs required to design and specify projects to be installed as part of the work, appropriately burdended for overhead and profit as determined by the ESCO.		\$0		
	g	Project Management	The cost of administering and managing the project, appropriately burdened for overhead and profit as determined by the ESCO.		\$0		
	h	Performance and Payment Bonds	Al ESCO: or er equited to bond the performance and payment of all work by a reputable surely approved for such work. The cast of the performance and payment band shall be included in this category for the amilcipated amount of work to be completed.		\$0		
	i	Commissioning and Training	At the completion of construction, equipment is commissioned. This work is normally completed by commissioning agents. If this scope is completed by ESCO employees, it includes the the appropriately burdened cost (profit & overhead) as determined by the ESCO. If this cope is outsourceation a commissioning frm. This cost includes the turnkey cost to provide necessary commissioning services. It anning costs may be provided by subcontractors and as such will be included in their subcontractor bid. However, if the ESCO plans to provide training the burdened labor cost for such training shall be included in this like item. In addition to labor, this like item may include form a classo mit rahing rahing videos, and iterating programs, and other training efforts that included labor and metricits required to provide necessary training. This inelinem control to be regreed of training row be utilized to provide rations and ther subcontractor sist, training labor may be utilized to supervise and coordinate subcontractor casts. Training labor may be utilized to supervise and coordinate subcontractor training sessions.		\$O		
	j	Measurement and Verification	At the completion of construction, the ESCO completes the M&V of installed equipment to verify past-retroff energy and water efficiency, operation, and prepares a Pro1-statiation M&V report. This effort is necessary to resure systems time eff the guaranteed energy sovings and start the M&V services phase. If completed by ESCO staff, this cost shall be appropriately burdened (overhead and profit) as determined by the ESCO. If completed by services, and M&V firm, this cost includes the turnkey cost to provide necessary M&V services.		\$0		
	k	Overhead Percent	The indirect costs or fixed expenses of operating the ESCO's business, applied to the Cost of Goods and Service.		\$0		
	Ι	Profit Percent	The anticipated, but not guaranteed, grass profit associated with the project, applied to the Cost of Goods and Service.		\$O		
um (f to I)	m	Implem	entation Delivery Percentage/Charge		\$0		\$0
	n	Project Development Price	ce (PDP)-Technical Energy Audit and Project Proposal		\$0		\$0
Sum e+m+n-q)	q o		Applied Incentives Total Implementation Price		\$0 \$0.00		\$0 \$0.00
PORTANT INFO The Implem	entation		i the maximum delivery percentage, if applicable.				

Markar (Verol) So						S PERFORMAN	CHEDULE #3 CE PERIOD C	ASH FLOW							
Performance Period Incentions and Other Period Payments Performance Period Payments Performance Payments Perform		Term (year)	Implementation Period (Year 0)	1	2	3	4	5	6	7	8	9	10	25	Totals
bet price/Petide royments incertification of private prive/Petide royments incertification of prive/Petide royments in		Principal Repayment		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Dologongenetic provinging relined by customer S1	Debt	Incentives and Other													\$0
Total Debi Service (q) \$0<		customer		\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	
Operation Operation <t< td=""><td></td><td></td><td></td><td>\$0</td><td>\$0</td><td>\$0</td><td>\$0</td><td>\$0</td><td>\$0</td><td>\$0</td><td>\$0</td><td>\$0</td><td>\$0</td><td>\$0</td><td></td></t<>				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Operation Moltenance Reparent Stope Stope Stope<															*0
Montemance Report and Replacement Measurement and Vertication* Montemance Report and Replacement Measurement and Vertication* Montemance Report and Replacement Measurement and Vertication* Montemance Report and Replacement Measurement and Vertication* Montemance Report and Replacement Measurement and Vertication* Montemance Report and Replacement Measurement and Vertication* Montemance Report and Rep															
Measurement and Vertication* Measurement and Vertication* <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>4.5</td></th<>															4.5
Verification* Verification* Image: Constraint of the PE pages 1: Other Other PE pages 2: Other Pages 2: Other PE pages 2: Other Pages 2: Other Pages 2: Other Pages 2: Other PE pages 2: Other Pages 2															\$0
Internance Period Expenses Other PP Expense 2: Other SUBTOTAL Before Application of Performance Period Delivery Performance Period Delivery Charge [S] TOTAL Performance Period TOTAL Performance Period Delivery So So <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>\$0</td></th<>															\$0
Expenses Solid Delivery Deficiency of Percentage Solid So															
Store Store <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>\$0</td></th<>															\$0
Percentage (%)* So.00 \$0.00	Expenses	of Performance Period Delivery Percentage		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Charge (\$) S0.00 \$0.00		Percentage (%)*													
Price (b) 30				\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0
		TOTAL Performance Period Price (b)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Annual Cash Flow Informance Period)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
			luce the principal repay	ment.											
	xamples of "Performa	ance Period Incentives and Other Pa	syments" include: RECs p	proceeds, demand respon		extra customer pay	ments. Incentives a	nd payments are as	sumed to occur at	the same time (beg	jinning or end of p	eriod) that was id	entified in the "Su	mmary Schedu	ule."
ny mpiementation Period payment will be applied to reduce the principal repayment. xamples of "Performance Period hcentilies and Other Payments" include: RECs proceeds, demand response payments, and extra customer payments. Incentilies and payments are assumed to occur at the same time (beginning or end of period) that was identified in the "Summary Schedule."		oject facilitators (consultants) are on	e example of uses for d	ollar savings retained by th	e customer.										
wy implementation Period payment wil be applied to reduce the principal repayment. xamples of "Performance Period Incentives and Other Payments" include: RECs proceeds, demand response payments, and extra customer payments, incentives and payments are assumed to occur at the same time (beginning or end of period) that was identified in the "Summary Schedule." uture payments to project facilitators (consultants) are one example of uses for dolar sovings relatived by the customer.															
ny implementation Period payment will be applied to reduce the principal repayment. xamples of "Performance Period Incentives and Other Payments" include: RECs proceeds, demand response payments, and extra customer payments, incentives and payments are assumed to occur at the same time (beginning or end of period) that was identified in the "Summary Schedule." Jutre payments to project facilitators (consultants) are one example of uses for dolar sovings relained by the customer.															
ny mpiementation Period payment will be applied to reduce the principal repayment. comples of "Performance Period Incentives and Other Payments" include: RECs proceeds, demand response payments, and extra customer payments. Incentives and payments are assumed to occur at the same time (beginning or end of period) that was identified in the "Summary Schedule." Jure payments to project facilitators (consultants) are one example of uses for dolar savings relained by the customer.															
y implementation Period payment will be applied to reduce the principal repayment. amples of "Performance Period Incentives and Other Payments" include: RECs proceeds, demand response payments, and extra customer payments. Incentives and payments are assumed to accur at the same time (beginning or end of period) that was identified in the "Summary Schedule." ture payments to project facilitators (consultants) are one example of uses for dolar sovings related by the customer. ITIONAL NOTES:															
IPORTANT INFORMATION: Any implementation Period payment will be applied to reduce the principal repayment. Examples of "Performance Period heanlikes and Other Payments' include: RECs proceeds, demand response payments, and extra customer payments. Incentives and payments are assumed to occur at the same time (beginning or end of period) that was identified in the "Summary Schedule." Fulure payments to project facilitators (consultant) are one example of uses for dolar sowings retained by the customer. DDITIONAL NOTES:															

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						EDULE #5 TION CEILIN	GS					
End of Performance Period (Year)	1	2	3	4	5	6	7	8	9	10	11	12
Project Acceptance												
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PORTANT INFORMATION:												
This schedule should only be												
Cancellation ceilings for eac epayment charges. Actual to	otal termination of	osts will be negotia	ted.		for that time perio	d, and include the	remaining unamo	rtized principal of	the total amount f	inanced for each	time period specifie	ed above plus an
End of the year annual can					al balance in "*-"	liter of Noted"						
In the event of TO cancellat	ion, specity the c	uncelation celling	us u percenidge o	n remaining princip	Jui Jalance in "Add	amorial Notes Delo	w.					
DDITIONAL NOTES:												
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UESC Projects

		BA	SUMMARY SC SIC PROJECT IN			
Agreement Type	Project Agreement Type (choose from list)*	UESC				
	Role	Institution	Name	Title	Emai	Phone
	Project Facilitator					
	Customer (Project Initiator)					
Project Contact Information	Utility (Project Builder)					
	Primary FEMP Contact					
	Primary Financier					
	Project Ide	entification			Projeci	Characteristics
	Task/Purchase Order #				List of Sites in Project (separated by commas)	
	Contract #				Number of Buildings in Project	
	Project Name				List of Buildings in Project (separated by commas)	
Project Identification &	Primary Project Location-City				Market Segment Total Floor Area Affected by	
Characteristics	Primary Project Location-State				project (Square Feet)	
	Primary Project Location-Zipcode				Average Annual Energy Consumption of Affected Buildings (MMBtu/yr)	
	Agency Name*				Implementation Period (months)	
	Sub Agency Name/Region Project ID #					
	Financin Applicable Financial Index	g Terms			Total Implementation Price (from Schedule-2a Total)	t Capitalization \$0
	Performance Period (years)				PLUS Financing Procurement Price-capitalized construction period interest (S)*	
	Index Rate*				PLUS Financing Procurement Price-other expenses (\$)*	
	Added Premium (adjusted for tax incentives)*				LESS Implementation Period Payments (from Schedule-1, (c))	\$0
Costs &	Project Interest Rate (sum of two above inputs)	0.00%			Total Amount Financed (principal)	\$0
Financials	Financing Issue Date				Bonded Amount	
	(mm/dd/yyyy) Project Award Date				Start date of Performance Period	
	(mm/dd/yyyy)*				(mm/dd/yyyy)	
	Effective Through (mm/dd/yyyy) Primary Type of Financing				Project F	inancial Summary
	(choose from list) Secondary Type of Financing				Annual Estimated Energy Savings	
	(choose from list)			1	(MMBtu)	
	Payment Timing*				Annual Estimated Water Savings (kGal)	
			1		Total Estimated Cost Savings	
	% Savings Devoted to Payments* Federal Contract Type				Total Guaranteed Cost Savings Total Payments	\$0
Other	Primary Electric Utility				Told Pdyments	1
Information	Primary Natural Gas Utility				Templat	e Errors/Warnings
	Primary Water Utility					
MPORTANT INFOR	MATION					
1) These schedules sh	ould not be altered or changed in any way ex				schedules, terminology, etc.	
	tractor shall complete the installation of all p ontractor shall propose "Bonded Amount" rep			ontract.		
4) Prior to award, the	stated interest rate is considered preliminary	and subject to change. The final interest rat	e will be based on market cor	nditions at the time of award. 1	The rate will be locked at time of award and	will be fixed through the performance period.
ADDITIONAL NOTE	S:					
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ANNUAL DOLLAR SAVINGS ESCALATION RATES

	-	-					-	
	Electric	Electric	Natural					Other Non-
Performance Period (year)	Energy	Demand	Gas	Other Savings Type 1: Other	Other Savings Type 2: Other	Water	O&M	Energy Savings
mplementation start through first yea	0.	Demana	043	Type 1. Onler	Type 2. Offici	Waler	Oam	Energy savings
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MPORTANT INFORMATION: 1) "Implementation start through firs ear of savings. This may represent ar companies).								
2) All estimated cost savings numbe Implementation start through first ye	ear" escalatio	on rates repor	ed above.		gs by ECM") are ass	umed to h	ave alread	dy incorporated the
Please select other savings types f	rom dropdov	wn menu pro	vided above,	if applicable.				
ADDITIONAL NOTES:								
	-		1			1		
3.0.15.c								
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	SCHEDULE # COST SAVINGS		
	COST SAVINGS	AND FATMENTS	
	(a)	(c)	
nplementation Period			
(Year 0)	Estimated Cost Savings*	Payments*	
	(d)	(f)	(g)
Performance Period (Year)	Estimated Annual Cost Savings	Annual Payments	Annual Dollar Savings Retained
1	\$0	\$0	by Customer \$0
2	\$0	\$0	\$0
3	\$0	\$0	\$0
4	\$0	\$0	\$0
5	\$0	\$0	\$0
6	\$0	\$0	\$0
7	\$0	\$0	\$0
8	\$0	\$0	\$0
9	\$0	\$0	\$0
10	\$0	\$0	\$0
11	\$0	\$0	\$0
12	\$0	\$0	\$0
13	\$0	\$0	\$0
14	\$0	\$0	\$0
15	\$0	\$0	\$0
16	\$0	\$0	\$0
17	\$0	\$0	\$0
18	\$0	\$0	\$0
19	\$0	\$0	\$0
20	\$0	\$0	\$0
21	\$0	\$0	\$0
22	\$0	\$0	\$0
23	\$0	\$0	\$0
24	\$0	\$0	\$0
25	\$0	\$0	\$0
al Performance Period:	\$0	\$0	\$0
		Total Payments (c+f)	
Total Impleme	ntation & Performance Period		
		\$0	
mplementation period so cruing before construction unted as savings because ude up-front project inco l'he total of annual paym	avings can represent two things: a) con on is complete on the greater project), they constitute offsets to capital expe- entives (e.g., equipment rebates) beco- tents represents the contract price an performance period, implementation	and b) customer buydown amo nses in the project. Implementat ause those are entered in Schedu d should be supported by informa	unts. Customer buydowns are ion period savings should not ule 2a. ation submitted.
	ual Escalation Rates) apply to the estim		
DITIONAL NOTES:			
.15.c			

\square		IMPLEMENTATION PR		DULE #2a IERGY CO	ONSERVA	ATION MEAS	URE			
							(a)	(b)	(c)	(d)
ECM - Technology Category*	ECM No.	ECM Description – Title*	ECM Size	ECM Coverage (%)	Location	PA Expenses (\$)	Implementation Cost (Direct)*	Mark-up (Overhead & Profit)	Applied Incentives	Implementation Price PDP + [a+b] - c
	Pr	roject Development Price (PDP)-Te	echnical Energ	gy Audit and	Project Proj	posal				
	TOTALS:					\$0	\$0	\$0	\$0	\$0
APORTANT INFORMATION:) This schedule is not to be altered or	changed in any way.									
	only direct costs for each ECM and no		d expenses. Me	ark-up are ad	ded to each	of the ECMs and i	nclude direct and indirec	t costs as well as profit		
 For the following ECMs, enter under 	upporting information detailing total in r ECM Size the total installed capacity For lighting ECMs, specify baseline kW	of new equipment in the units specifie	ed; chillers and	packaged un	its in tons (e.g	g., for a chiller - 25) tons), VFDs in hp, boilers	and furnaces in input Bt	u/hr, BAS/EMC	CS in number of points,
	percentage share of the total project f		fected by the E	CM.						
DDITIONAL NOTES:										
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-						CHEDULE #3	ASH FLOW							(
	Term (year)	Implementation Period (Year 0)	1	2	3	4	5	6	7	8	9	10	25	Totals
	Principal Repayment		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debt	Performance Period Incentives and Other Payments													\$0
rvice/Performance Period Payments	Dollar savings retained by customer		\$0	\$0	\$ 0	\$0	\$0	\$0	\$ 0	\$0	\$0	\$0	\$0	
	Interest (\$) Total Debt Service (a)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 \$0
	lotal Debt service (d)		\$0	20	20	20	-96	20	20	20	\$0	20	\$0	\$0
	Management/Administration													\$0
	Operation													\$0
	Maintenance Repair and Replacement													\$0 \$0
		1												
	Performance Assurance													\$0
erformance Period	Other PP Expense 1: Other Other PP Expense 2: Other													\$0 \$0
Expenses	SUBTOTAL Before Application of Mark-up		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Mark-up (Overhead & Profit													
	Mark-up (Overhead & Profil- \$)		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0
	TOTAL Performance Period Price (b)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Annual Cash Flow erformance Period)	TOTAL - ANNUAL PAYMENTS (a)+(b)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PORTANT INFORMATI	(a)+(b)	duce the principal repa	yment. proceeds, demand respons	e payments, and e										

<u> </u>								FIR	ST YEA	R ESTIMAT	TED CO		SCHEDUL /INGS BY		Y CONSI	RVATION	MEASUR	e											1
ECM				Baseline	Energy and N	ion-energy (Consumption				b1	62	¢1	c2	d1	59	ela	e20	elb	e2b	/= 0.003412% d1+e1o+e	g = + b2+c2+d2+ b e20+e2b	×		J.	×	i = g+i+j+k	-	
CM mber Short Description	formance ssurance spflon(s)	demand	use use	Use: Other		Baseline water use	Baseline energy and resource costs	Baseline O&M costs	Baseline other non- energy costs (\$/yt)	Type of other non- energy costs	energy	Electric energy savings	Electric demand savings	Bectric demand savings	Natural gas savings	Natural gas sovings	Other	Other Sovings Type 1: Other	Other Savings Type 2: Other	Other Sovings Type 2: Other	Tatal energ	savings	Water savings	Water savings	OLM cost savings	energy cost savings	Estimated annual cost savings (S/vr)	Implementation price	Simpi Payba
Aprile Balance Balance <th< th=""></th<>																													
																						50 50					50 50		—
TOTALS:			_		0		50	50	50		50	50	0	50		50	0	50	0	50		- 30 50		50	50	50	50	50	Í –
DITALE DRTANT INFORMATION: erg: convertentation for MMB/U. Mil- least ane of thesaing field is required or shouldenter an averagementity kills	to compute the contract te	rm. Nings can (and us edito have alread	sually doj vary by dy incorporated t	y season and in t	heir conversioning ation shart the ough	ateto dollar sovie	gs.	hearnud bio	diation Rate	is schedule.			N(: 1 short han d	Cool (2,000 pe	ounda(+19.548 M	wähn; 1 geliet Prop	ara=0.091333.M	undry.				. "							

Non-Calculating Version of the Template⁴

ESPC Projects

n				ARY SCHE IECT INFO							
		DASK		IECTINFO							
Agreement Type	Project Agreement Type (choose from list)	Guaranteed Savings									
	Role	Institution	Name		Title		Emgl		Phone		
	Project Facilitator										
	Customer (Project Initiator)										
Project Contact Information	ESCO (Project Builder)										
	Finance Specialist										
	Primary Financier										
			1								
-	Task/Purchase Order #	nttication					List of Sites in Proj	ect (separated by	ect Characteristics		
	Contract #						commas) Number of Buildi	nas in Prolect			
	Project Name						List of Buildings in commail more t	Project (separated b han one)	y		
Project Identification &	Primary Project Location-City						Market Seament				
Characteristics	Primary Project Location-State						Total Roor Area A (Sauare Feet)	ffected by Project			
	Primary Project Location-Zipcode							Energy Consumption Ings (MMBtu/yr)	ו		
-	Agency Name						Implementation	Period (months)			
	Sub Agency Name/Region Project ID #										
	Financin	a Terms]					Pro	ect Capitalization		
	Applicable Financial Index						Total Implemente Schedule-2a Tota	0		\$0	
_	Performance Period (years)						capitalized const (\$)	ocurement Price- ruction period interes	t		
	IndexRate						other expenses (
	Added Premium (adjusted for tax incentives)						LESS Implementa (from Schedule-)	tion Period Payments . (c))		\$0	
Costs & Financials	Project Interest Rate (sum of two above inputs) Financina issue Date (mm/dd/vvvv)	0.00%					Total Amount Fin Bonded Amount			\$0	
	Project Award Date (mm/dd/yyyy)						Start date of Perf				
	Effective Through (mm/dd/vvvv)						(mm/dd/vvvv)				
	Primary Type of Financing (choose from list)							Projec	t Financial Summary		
	Secondary Type of Financing (choose from list)						Annual Estimate (MMBtu)	d Energy Savings			
	Payment Timing						Annual Estimate	d Water Savings (kGa	1)		
	Guarantee % of Estimated Savinas		٦				Total Estimated C Total Guaranteed				
-	Federal Contract Type						Total Payments	recest services			
Other Information	Primary Electric Utility Primary Natural Gas Utility							Tempi	ate Errors/Warnings		
	Primary Water Utility										
			-								
IMPORTANT INFORMATIC	N: t be altered or changed in any way except t	o add notes (see below). Please consult a	PB docum	entation for as	sistance wi	th completing th	ese schedules termir	ology etc			
(2) If selected, the contractor	shall complete the installation of all propose	ed ECMs no later than the implementation	on period ic	dentified in the		ricompleting in	ese scriedules, rei mir	ology, erc.			
	or shall propose Bonded Amount representi										
(5) Guaranteed% of Estimate	nterest rate is considered preliminary and s ad Savinas''is share of project estimated savi		will be base	id on market o	onditions at	the time of awa	rd.The rate will be loc	ked at time of award	and will be fixed throu	igh the performo	ance period.
ADDITIONAL NOTES:											
0710020 3.0.15.n											

⁴ https://eprojectbuilder.lbl.gov/download/templates/ePB_Non_Calculating_Data_Template_3.0.15.xlsx

P	A	NNUAL D	OLLAR SA	AVINGS ESCALAT	ION RATES			
Performance Period (year)	Electric Energy	Electric Demand	Natural Gas	Other Savings Type 1: Other	Other Savings Type 2: Other	Water	O&M	Other Non- Energy Savings
mplementation start through first ye	a <mark>r</mark>							
2								
3								
4								
5								
6								
7								
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9								
10								
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17								
18								
19								
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22								
23								
24								
25								
20								
IMPORTANT INFORMATION:								
 "Implementation start through fir savings. This may represent an annu All estimated cost savings numbe "implementation start through first y 	al escalation ers reported ir	figure that is n Schedule 4	compounde ("First year est	d or another formulation	(e.g., actual forecast	s from utilit	y compan	ies).
(3) Please select other savings types				if applicable				
ADDITIONAL NOTES:								
0710020								
3.0.15.n								

	COST	SCHEDULE #1 SAVINGS AND PAYM	ENTS	
Implementation Period	(a)	(b)	(c)	
(Year 0)	Estimated Cost Savings	Guaranteed Cost Savings	Payments	
Performance Period	(d)	(e)	(f)	(g)
(Year)	Estimated Annual Cost Savings	Guaranteed Annual Cost Savings	Annual Payments	Annual Dollar Savings Retained by Customer
1	e age	e su a su a su a su a su a su a su a su		
2				
3				
4				
5				
6				
7				
8				
9				
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15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
Total Performance				
Period:		Total Guaranteed Cost Savings (b+e)	Total Payments (c+f)	
Iotal Implementatio	on & Performance Period	Suvings (D+e)	<u>^</u>	
		3 0	\$0	
IMPORTANT INFORMATIO	N:			
(1) Implementation period ECMs start accruing before savings because they cons	savings (both estimated and gua construction is complete on the titute offsets to capital expenses because those are entered in Sc	greater project), and b) custome in the project. Implementation pe	er buydown amounts. Customer	buydowns are counted as
(2) The guaranteed annual	cost savings are pursuant to the a	description in the M&V plan propo	osed for the project.	
	nents represents the contract pric			
	e performance period, implemer			
	nteed cost savings during the imp nual Escalation Rates) apply to th			1115.
ADDITIONAL NOTES:				
0710000				
0710020 3.0.15.n				
0.0.10.11				

		IMPLEMENTATION P		DULE #2a			IRF			
					JUSENVA	non mease				
							(a)	(b)	(c)	(d)
ECM - Technology Category	ECM No.	ECM Description – Title	ECM Size	ECM Coverage (%)	Location	M&V Expense (\$)	Cost of Goods and Services (Base Construction)	Project Implementation Delivery Charge*	Applied Incentives	Implementation Price PDP + [a+b] - c
	-	Project Development Price (PDP)-To	echnical Ener	gy Audit and	Project Prop	osal				
	TOTALS:					\$0	\$0	\$0	\$0	\$0
APORTANT INFORMATION:										
	r changed in any way. Construction) shall include only direct o ojects, Cost of Goods and Services and					oject Implementa	fion Delivery Charges are	added to each of the E	ECMs and inclu	de direct and indirect
For the following ECMs, enter under	supporting information detailing total im r ECM Size the total installed capacity of or lighting ECMs, specify baseline kW tre	new equipment in the units specified;	chillers and pa	ckaged units in	n tons (e.g., fo	er a chiller - 250 ton	s), VFDs in hp, boilers and	fumaces in input Btu/hr, B	BAS/EMCS in nu	mber of points,
ECM coverage (%) represents the	percentage share of the total project	loor area (see Summary Schedule) a								
) The sum of M&V expenses for each	ECM equals the sum of items b and ja	n Schedule-2b. These expenses are a	olready include	d in the Base (construction C	ost and Project In	plementation Delivery Ch	narge.		
10020 .0.15.n										
2121				-					-	

		Proje	SCHEDULE #2b ct Implementation Pricing Worksheet		L. L.
		Cost Item	Description	Percent of Cost of Goods and Services (Base Construction)	Price/Cost
	α	Subcontractor Costs (Contractor Costs To ESCO) exclusive of M&V equipment	A fixed-price bid received in response to a Request for Proposals issued by an ESCO for a specific scope of work, exclusive of the cost to install M&V equipment.		
	b	M&V Equipment Installed During Construction	The cost of equipment installed during construction which is integral to performance of M&V activities in the performance period.		
	с	Self-Performed Work	A fixed price cost for a specific scope of work performed by an ESCO.		
	d	Other Direct Purchases of Equipment, Material, Supplies (Supplier Costs To ESCO) exclusive of M&V equipment	In some cases the ESCO may purchase equipment directly to be installed under scopes of work as described in items (a) and (c) above. This amount (d) represents the purchase price of al such equipment.		
Sum b+c+d)	е	Cost of C	Goods and Services (Base Construction)		\$0
	f	Design	Design costs include all professional architecture and engineering costs required to design and specify projects to be installed as part of the work, appropriately burdended for overhead and profit as determined by the ESCO.		
	g	Project Management	The cost of administering and managing the project, appropriately burdened for overhead and profit as determined by the ESCO.		
	h	Performance and Payment Bonds	All ESCOs are required to bond the performance and payment of all work by a reputable surety approved for such work. The cost of the performance and payment bond shall be included in this category for the anticipated amount of work to be completed.		
			At the completion of construction, equipment is commissioned. This work is normally completed by commissioning agents. If this scope is completed by ESCO employees, it includes the the appropriately burdened cost (profit & overhead) as determined by the ESCO. If this scope is outsourced to a commissioning firm, this cost includes the turnkey cost to provide necessary commissioning services.		
	i	Commissioning and Training	Training costs may be provided by subcontractors and as such will be included in their subcontractor bid. However, if the ESCO plans to provide training, the burdened labor cost for such training shall be included in this line item. In addition to labor, this line item may include formal classroom training, training videos, online training programs, and other training efforts that include labor and materials required to provide necessary training. This line item cannot not be a repeat of training provided directly by subcontractors in subcontractor costs. Training labor may be utilized to supervise and		
	j	Measurement and Verification	coordinate subcontractor training sessions. At the completion of construction, the ESCO completes the M&V of installed equipment to verify post-retrofit energy and water efficiency, operation, and prepares a Post-Installation M&V report. This effort is necessary to ensure systems will meet the guaranteed energy savings and start the M&V Services phase. If completed by ESCO staff, this cost shall be appropriately burdened (overhead and profit) as determined by the ESCO. If completed by an external M&V firm, this cost includes the turnkey cost to provide necessary M&V services.		
	k	Overhead Percent	The indirect costs or fixed expenses of operating the ESCO's business, applied to the Cost of Goods and Service.		
	Ι	Profit Percent	The anticipated, but not guaranteed, gross profit associated with the project, applied to the Cost of Goods and Service.		
n (f to I)	m		nentation Delivery Percentage/Charge		\$0
	n q	Project Development Pr	rice (PDP)-Technical Energy Audit and Project Proposal Applied Incentives		\$0 \$0
Sum m+n-q)	o		Total Implementation Price		\$0.00
DRTANT INF(ation deliver	N: y percentage shall not exceed the maximum	delivery percentage, if applicable.		

<u> </u>					PERFORM	SCHEDULE		/							
	Term (year)	Implementation Period (Year 0)	1	2	3	4	5	6	7	8	18	19	20	25	Totals
	Principal Repayment														\$0
	Performance Period Incentives and Other Payments														\$0
Period Payments															
	Interest (\$)														
	Total Debt Service (a)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
				_				_			_	_		_	_
	Management/Administration														\$0
	Operation														\$0
	Maintenance														\$0
	Repair and Replacement														\$0
	Measurement and Verification														\$0
	Other PP Expense 1: Other														\$0
erformance Period	Other PP Expense 2: Other														\$0
expenses	SUBTOTAL Before Application of Performance Period Delivery Percentage														\$0
	Performance Period Delivery Percentage (%)														#DIV/0
	Performance Period Delivery Charge (\$)														\$0
	TOTAL Performance Period Price (b)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
				r -		r -	r	r -	r	-			r	r	
Annual Cash Flow enformance Period)	TOTAL - ANNUAL PAYMENTS (b)-(a)		so	\$0	\$0	\$0	\$0	şo	so	şo	\$0	şo	\$0	şo	\$0

(I) Any implementation Period payment will be applied to reduce the principal repayment.
 (B) Any implementation Period period in the state of the state

30.15.n																															
										,	IRST YEA	R ESTIMA	ATED CO		HEDULE # IGS BY EN		DNSERVAT		EASURE												1
	ECM					Baseline (nergy and Non	energy Con	umption				ы	b2	c1	c2	d1	42	ela	e2o	e1b		f= 0.003412* b1+d1+e 10+e1b		h	1	ı	k	l = g+i+j+k	m	n = m/
ECM Number	Short Description	First Year MEV Option	Baseline electricity use	Baseline electricity demand	natural	Baseline Use 1: Other	Baseline Use 2: Other	Baseline water use		Baseline O&M costs			Electric energy sovings	Bectric energy savings	Electric demand savings	Electric demand savings	Natural gas	Natural gas savings	Other Savings Type 1: Other	Other Savings Type 1: Other	Other Savings Type 2: Other	Other Savings Type 2: Other	Total energy savings	Total energy cost savings	Water savings	Water savings	O&M cost savings	Other non energy cost savings	- Estimated annual cost savings	Implementation price	n Simple Payboc
			(kWh/yr)	(kW/mo)	(MMB5u/ yt)	(MMBtu/yr)	(MMBhu/yr)	(kGal/yr)		(\$/yr)	(\$/ут)		(kWh/yr)	(\$/yr)	(kW/mo)	(\$/yr)	(MMBb/yr)	(\$/yr)	(MMBhJ/yr)	(\$/yt)	(MMB5u/ yt)	(\$/yr)	(MMBhu/ YT)	(\$/yr)	(Kgol/yr)	(\$/yr)	(\$/yr)	(S/yr)	(\$/γτ)	(5)	(years
	Project Development Price (PDP)-Technical Energy Audit and Project Proposal																													\$0	
																								\$0 \$0					\$0 60		-
_																							_	2/				-			-

						EDULE #5						
-					CANCELLA	TION CEILIN	GS					<u>''</u>
nd of Performance		2	3	4			7	8	,	10	11	12
Period (Year)	1	2	3	4	5	6		8	, v	10		12
Project Acceptance												
1												
2												
3												
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23												
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ORTANT INFORMATION:												
is schedule should only be												
ancellation ceilings for eac ny prepayment charges. A	h time period s	pecified below est ningtion costs will	tablish the maximu be negotiated.	um termination lic	ability for that time	e period, and inclu	de the remaining	unamorfized princ	cipal of the total a	mount financed f	or each time perio	ad specified abov
d of the year annual cance				column N).								
the event of TO cancellation	on, specify the	cancellation ceilir	ng as a percentage	of remaining prir	ncipal balance in "	'Additional Notes'	below.					
ITIONAL NOTES:												

UESC Projects

M			SUMMARY SC C PROJECT IN		ON				<u>m</u>
Agreement Type	Project Agreement Type (choose from list)	UESC							
	Role	Institution	Name	Title		Email		Phone	
	Project Facilitator								
Project Contrat	Customer (Project Initiator)								
Project Contact Information	Utility (Project Builder)								
	Primary FEMP Contact								
	Primary Financier								
	Projectid	entification	7				Project	Characteristics	
	Task/Purchase Order #					List of Sites in Proje		Critic delerisies	
	Contract #					commas) Number of Buildin	as in Prolect		
	Project Name						roject (separated by		
Project Identification #	Primary Project Location-City		4			commaif more th	an one)		
Characteristics	Primary Project Location-City Primary Project Location-State					Market Seament Total Roor Area Af	fected by Project		
	Frind y Frojeci Locatoria die		-			(Sauare Feet)			
	Primary Project Location-Zipcode					Average Annual E of Affected Buildin	nergy Consumption ngs (MMBtu/yr)		
	Agency Name					Implementation P	eriod (months)		
	Sub Agency Name/Region Project ID #								
	Branch	ng Terms	7				Projec	t Capitalization	
	Applicable Financial Index					Total implementat Schedule-2a Total)	ion Price (from		\$0
	Performance Period (years)					(\$)	uction period interest		
	Index Rate*					PLUS Financing Pro other expenses (\$)	curement Price-		
	Added Premium (adjusted for tax incentives)*					LESS Implementation (from Schedule-1.	on Period Payments		\$0
Costs & Financials	Project Interest Rate (sum of two above inputs)	0.00%				Total Amount Fina			\$0
	Financina Issue Date (mm/dd/vvvv)					Bonded Amount			
	Project Award Date (mm/dd/yyyy)					Start date of Perfo (mm/dd/vvvv)	rmance Period		
	Effective Through (mm/dd/vvvv)								
	Primary Type of Financing (choose from list)						Projectfi	nancial Summary	
	Secondary Type of Financing (choose from list)					Annual Estimated (MMBtu)	Energy Savings		
	Payment Timing					Annual Estimated	Water Savings (kGal)		
		-	-			Total Estimated Co			
	% Savinas Devoted to Payments Federal Contract Type					Total Guaranteed Total Payments	Lost savinas		\$0
Other Information	Primary Electric Utility								
	Primary Natural Gas Utility Primary Water Utility						Templak	errors/Warnings	
			1						
IMPORTANT INFORMATIO	211								
(1) These schedules should no	t be altered or changed in any way except	to add notes (see below). Please consult	ePB documentation fo	or assistance w	th completing th	ese schedules, termino	ology, etc.		
	r shall complete the installation of all propos tor shall propose Bonded Amount represent			the contract.					
	interest rate is considered preliminary and			et conditions a	t the time of awa	rd.The rate will be lock	ed at time of award ar	nd will be fixed throug	gh the performance period.
ADDITIONAL NOTES:									
0710020 3.0.15.n									



ANNUAL DOLLAR SAVINGS ESCALATION RATES

Performance Period (year)	Electric	Electric Demand	Natural Gas	Other Savings Type 1: Other	Other Savings Type 2: Other	Water	O&M	Other Non-
	Energy	Demana	Gas	T: Other	Type 2: Other	water	Oam	Energy Savings
mplementation start through first yea	r							
2								
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IMPORTANT INFORMATION:								
(1) "Implementation start through firs savings. This may represent an annua								
(2) All estimated cost savings numbe "Implementation start through first ye	rs reported ir ar" escalatio	n Schedule 4 n rates report	("First year est ed above.	imated cost savings by E0	CM") are assumed to h	nave alread	ly incorpor	ated the
(3) Please select other savings types f				if applicable.				
ADDITIONAL NOTES:								
0710020								
3.0.15.n								

	SCHE	DULE #1 (u) - UESC	
	COST SAV	INGS AND PAYMENTS	<u>, , ,</u>
	(a)	(c)	
Implementation Period (Year 0)	Estimated Cost Savings	Payments	
	(d)	(f)	(g)
Performance Period (Year)	Estimated Annual Cost Savings	Annual Payments	Annual Dollar Savings Retained by Customer
1			Relatived by Costonier
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
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19			
20			
20			
22			
23			
23			
24			
Total Performance Period:	\$0	\$0	
	~		
Total Implem	entation & Performance Period	Total Payments (c+f)	
		\$0	
IMPORTANT INFORMAT		ction period savings (where savings from some ECMs start accr.	ing before construction i
complete on the greater preserves in the project. In	roject), and b) customer buydown amounts.	Customer buydowns are counted as savings because they co ude up-front project incentives (e.g., equipment rebates) beca	nstitute offsets to capital
Schedule 2a. (2) The total of annual page	ments represents the contract price and shou	Id he supported by information submitted	
		d energy savings and payments are one-time amounts only.	
	nual Escalation Rates) apply to the estimated		
ADDITIONAL NOTES:			
0710020			
3.0.15.n			

9		IMPLEMENTATION P		DULE #2a IERGY CO		TION MEASU	IRE			1
							(a)	(b)	(c)	(d)
CM - Technology Category	ECM No.	ECM Description – Title	ECM Size	ECM Coverage (%)	Location	PA Expenses (\$)	Implementation Cost (Direct)	Mark-up (Overhead & Profit)	Applied Incentives	Implementation Pric PDP + [a+b] - c
		Project Development Price (PDP)-T	echnical Ener	gy Audit and	Project Prop	osal				
	TOTALS:					50	\$0	SO	SO	50
ORTANT INFORMATION:										
his schedule is not to be altered or										
Contractor shall attach adequate su or the following ECMs, enter under f	nly direct costs for each ECM and no upporting information detailing total im ECM Size the total installed capacity of r lighting ECMs, specify baseline kW tre	plementation price. I new equipment in the units specified;							AS/EMCS in nu	mber of points,
	percentage share of the total project	loor area (see Summary Schedule) a	ffected by the	ECM.						
DITIONAL NOTES:										
020										

<u>)</u>					PERFORM	SCHEDULE	#3 D CASH FLOW	1							Ľ
	Term (year)	Implementation Period (Year 0)	1	2	3	4	5	6	7	8	18	19	20	25	Totals
	Principal Repayment														\$0
Debt ervice/Performance	Performance Period Incentives and Other Payments														\$0
Period Payments															
	Interest (\$)		6 0					e)	e)						
	Total Debt Service (a)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Management/Administration														\$0
	Operation												<u> </u>		50
	Maintenance														\$0
	Repair and Replacement														\$0
	Performance Assurance														\$0
	Other PP Expense 1: Other														\$0
erformance Period	Other PP Expense 2: Other														\$0
Expenses	SUBTOTAL Before Application of Mark-up														\$0
	Mark-up (Overhead & Profit %)														
	Mark-up (Overhead & Profit-\$)														\$0
	TOTAL Performance Period Price (b)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
				-				_				_	-		
Annual Cash Flow erformance Period)	TOTAL - ANNUAL PAYMENTS (b)-(a)		şo	\$0	şo	\$0	şo	şo	50	\$0	şo	50	şo	şo	\$0
PORTANT INFORMAT	ION: ariod payment will be applied to reduc	e the principal report	ent.												
	ce Period Incentives and Other Payme			syments, and extra	customer payment	ts.Incentives and p	ayments are assume	ed to occur at the s	ame time (beginn	ing or end of period	d) that was iden	tified in the Sun	nmary Schedule		
	ect facilitators (consultants) are one e	example of uses for doll	ar savings retained by the a	customer.											
DITIONAL NOTES:															
3020															
15.n															

									ŗ	IRST YEA	R ESTIMA	ATED CC		HEDULE # IGS BY EN		ONSERVAT		EASURE												0
	ECM				Baseline Er	ergy and Non	energy Con	umption				ы	b2	¢1	c2	d1	a	ela	e2a	elb	e2b	f= 0.003412* b1+d1+e 10+e1b	g= b2+c2+d2 +e2o+e2 b	٣		ı	k	l = g+i+j+k	m	n = m/l
ECM Number	Short Description	Performan ce Assuranc e Option(s)	Baseline electricity use (kWh/yr)		Baseline Use 1: Other (MMBhu/yr)	Baseline Use 2: Other (MMBtu/yr)	Baseline water use (kGal/yr)	Baseline energy and resource cosh (S/yr)	Baseline O&M coshs (S/yr)	Baseline other non- energy costs (\$/yt)	Type of other non- energy costs	Electric energy sovings (kWh/yr)	Bectric energy savings (\$/yr)	Electric demand savings (kW/mo)	Electric demand savings (\$/yr)		Natural gas savings (S/yt)	Other Sovings Type 1: Other (MM8tu/yr)	Type 1: Other	Other Savings Type 2: Other (MMBtu/	Other Savings Type 2: Other (S/yr)	Total energy savings (MMBhu/	Total energy cost savings (S/yr)	Water savings (Kgal/yr)	Water savings (S/yr)	OLM cost savings (\$/yt)	Other non- energy cost savings (\$/yt)		Implementation price (5)	Simple Payback (years)
	Project Development Price (PDP)-Technical Energy Audit and Project Proposal			11																10									\$0	
																							90 90					92 50		

N						EDULE #5	GS					([
			-					1		_	-	
nd of Performance Period (Year)	1	2	3	4	5	6	7	8	9	10	11	12
Project Acceptance												
1												
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4 5								<u> </u>				
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DETANT INFORMATION												
DRTANT INFORMATION is schedule should only be		quired by the cont	tract									
ancellation ceilings for ea				um termination lic	ability for that time	period and inclu	de the remaining	upomortized princ	ind of the total o	mount financed	or each time perio	d macified abo
any prepayment charges.	Actual total terr	mination costs will	be negotiated.		ability for marinin	ponoa, ana maio	de me lemaning	on an on 200 pinto			or odern inno poile	a spoemod abor
d of the year annual can												
the event of TO cancella	tion, specify the	cancellation ceilir	ng as a percentage	e or remaining prir	ncipal balance in "	Additional Notes"	DeloW.					
ITIONAL NOTES:												
20												
20												

Direct Funded Projects

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mmary
arnings

		IMI	PLEMENTATION PR	RICE BY EN	DULE #2a IERGY CO	ONSERV	ATION MEA	SURE			2
								(a)	(b)	(c)	(d)
ECM - Technology Category	ECM No.	E	CM Description – Title	ECM Size	ECM Coverage (%)	Location	M&V Expense (\$)	Implementation Cost (Direct)	Mark-up (Overhead & Profit)	Applied Incentives	Implementation Pr PDP + [a+b] - c
				I	I						
		_									
		_								<u> </u>	
		_									
	то	TALS:					\$0	\$0	\$0	\$0	\$0
ECM coverage (%) represer	clude only direct costs for each EC					o are addec	i to each of the l	ECMs and include direct	and indirect costs as w	ell as profit	
ICM coverage (%) represer						o are addec	to each of the t	ECMs and include direct	and indirect costs as w	reli as profit	
ICM coverage (%) represer				dule) affected	by the ECM.	o are addec	i to each of the l	ECMs and include direct	and indirect costs as w	et as profit	
ECM coverage (%) represer	I believelete	al project floor	area (see Summary Scheo PER	due) affected	by the ECM.	H FLOW					
ECM.coverage (%) represer DITIONAL NOTES: 0020 15.n			area (see Summary Schec	due) affected	by the ECM.			7 8	and indirect costs as w	el os profit	25 Totals
ECM coverage (%) represent DIRIONAL NOTES: 0020 15.n Incentives and	Is the percentage share of the tot	al project floor	area (see Summary Scheo PER	due) affected	by the ECM.	H FLOW					25 Totals 50
ECM coverage (%) represent DIRIONAL NOTES: 0020 15.n Incentives and	Is the percentage share of the tot	al project floor	area (see Summary Scheo PER	due) affected	by the ECM.	H FLOW					1
ECM coverage (%) represer DITIONAL NOTES: 0020 15.n Payments Management/A Genetion	It the percentage share of the tot	al project floor	area (see Summary Scheo PER	due) affected	by the ECM.	H FLOW					\$0 \$0 \$0 \$0 \$0
ECM coverage (%) represent DITIONAL NOTES: 0020 15.n Foyments Recentives and Coverage Management/A Management/A	In (rear) Implementation In (rear) Implementation In (rear) Implementation Inter Payments Inter	al project floor	area (see Summary Scheo PER	due) affected	by the ECM.	H FLOW					\$0
ECM coverage (%) represent DITIONAL NOTES: 0020 ISIn Payments Management// Manageme	In (rear) Implementation In (rear) Implementation In (rear) Implementation Inter Payments Inter	al project floor	area (see Summary Scheo PER	due) affected	by the ECM.	H FLOW					\$0 \$0 \$0 \$0 \$0 \$0 \$0
ECM coverage (%) represent DITIONAL NOTES: D020 D15.0 Payments Payments Management/ Coentines and Contention Management/ Coention Management/ Management/ Coention Management/ Management/ Coention Coention Coention Coention Coention Coention Coention Coention Coention Coention Coention Coention Coention	In (rear) Implementation In (rear) Implementation In (rear) Implementation Inter Payments Inter	al project floor	area (see Summary Scheo PER	FORMANCE I	DULE #3 ERIOD CAS	H FLOW					\$0 \$0 \$0 \$0 \$0 \$0 \$0
ECM coverage (%) represent DITIONAL NOTES: D020 D15.0 Payments Payments Management/ Coentines and Contention Management/ Coention Management/ Management/ Coention Management/ Management/ Coention Coention Coention Coention Coention Coention Coention Coention Coention Coention Coention Coention Coention	h (red) h (red	al project floor	PER 2 3		DULE #3	5 5	4 50	7 8 1 1 1 1 1 1 1 1 1 1 1 1 1	18 19	20	02 02 02 02 02 02 02 02 02 02 02 02
ECM coverage (%) represer DIRIONAL NOTES: DIRIONAL NOTES: DIRIONAL NOTES: DIRIONAL NOTES: Payments Represents Concention Management/A	h (red) h (red	al project floor	PER 2 1 2 1 5 1 5 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		DULE #3	H FLOW 5 1	4 50	7 8 7 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9	18 19 18 19 10 10 10 10 10 10 10 10 10 10 10	20	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0

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										F	IRST YEA	R ESTIM	ATED CO		HEDULE # IGS BY EN		ONSERVAT	ION ME	EASURE												D
	ECM					Baseline Er	nergy and Nor	-energy Con	sumption				ы	b2	c1	c2	d1	d2	ela	e2a	elb	e2b		g = b2+c2+d2 +e2o+e2 b	h	i.	i	k	l = g+i+j+k	m	n = m/l
ECM Number	Short Description	M&V Option	Baseline electricity use	Baseline electricity demand	natural gas use	1: Other	Baseline Use 2: Other	Baseline water use	Baseline energy and resource costs	Baseline O&M costs	Baseline other non- energy costs	Type of other non- energy costs	Electric energy savings	Electric energy savings	Electric demand savings	Electric demand savings	Natural gas savings	Natural gas savings	Other Savings Type 1: Other	Other Savings Type 1: Other	Other Savings Type 2: Other	Other Savings Type 2: Other	Total energy savings	Total energy cost savings	Water savings	Water savings	O&M cost savings	Other non energy cost savings	Estimated annual cost savings	Implementation price	Simple Payback
			(kWh/yr)	(kW/mo)	(MMBtu/ yr)	(MMBtu/yr)	(MMBhu/yr)	(kGal/yr)	(\$/yr)	(\$/yr)	(\$/yr)		(kWh/yr)	(\$/yr)	(kW/mo)	(S/yr)	(MMBhJ/yr)	(\$/yr)	(MMBtu/yr)	(\$/yr)	(MMBtu/ yr)	(\$/yr)	(MMBtu) yr)	(\$/yr)	(Kgal/yr)	(\$/yr)	(\$/yr)	(\$/yr)	(\$/yr)	(5)	(years)
	00000																							50					50		
																								\$0 \$0 \$0					50 50 50		
	TOTALS:		0	0	0	0	0	0	\$0	\$0	\$0		0	\$0	0	\$0	0	\$0	0	50	0	\$0	0	\$0 \$0	0	\$0	\$0	\$0	50 50	\$0	
(1) Energy c (2) User sho	NT INFORMATION: conversion factors for M uld enter an average m											= 0.13859 M	V8tu; 1 gol (of Gasoline =	0.12048 MMB1	u; 1 gal of Die	esel = 0.13738 N	WBtul; 1 sh	nort ton of C	odi (2.000 p	ounds)=19.	548 MMBtu;	1 gal of P	hopane=0.0	91333 MMBtu.						
ADDITION	IAL NOTES:																														
0710020 3.0.15.n																															

M&V Template

ESPC Projects

	Role:	Institution:	Name:	Email:	Phone:
oject Contact					
Information	Other M&V Contact				
	Third Party Verifier				
		entification			
	Project ID#				
	ePB ID#				
	Project Name				
		Dates			
Project	Performance Year				
dentification &	M&V Report Date*				
Key Dates	Project Acceptance Date				
	M&V Report Reviewed Date				
	M&V Report Approval Date				
	M&V Annual Report Due Date				
	Third Party Verification Report				
	Date				
	•				
PORTANT INFO	RMATION:				
)#," and "Project Name" informati	on must be gathered	from the ePB proposal info	ormation.	
DITIONAL NOT	TES:				

0				A	NNUAL V	ERIFIED				NCE PERI BY ENERG		RVATIO	N MEASU	RE					
I	ECM								Detail	s of Verified (Expected) En	nergy and C	ost Savings						
		First Year	b1n	b2n	c1n	c2n	d1n	d2n	elan	e2an	e1bn	e2bn		gn = b2n+c2n+d 2n+e2an+e		in	jn	kn	ln = gn+in+jn+kn
ECM Number	Short Description	M&V Option	Electric energy savings (kWh/yr)	Electric energy savings (\$/yr)	Electric demand savings (kW/mo)	Electric demand savings (\$/yr)	Natural gas savings (MMBtu/ yr)	Natural gas savings (\$/yr)	Other Savings Type 1: Other (MMBtu/yr)	Other Savings Type 1: Other (\$/yr)	Other Savings Type 2: Other (MMBtu/yr)	Other Savings Type 2: Other (\$/yr)	Total energy savings (MMBtu/yr)	Total energy cost savings (\$/yr)	Water savings (Kgal/yr)	Water savings (\$/yr)	O&M cost savings (\$/yr)	Other non energy cost savings (\$/yr)	Verified annual cost savings (\$/yr
						_				_					_	_	_		_
														\$0					\$0
														\$0					\$0
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													-	\$0					\$0
10	DTALS:	_		\$0		\$0		\$0		\$0	•	\$0		\$0	· ·	\$0	\$0	\$0	\$0
MPORTANT INFOR 1) Energy conversion on (2,000 pounds); P 2) Demand savings (3) For the post-installe ADDITIONAL NOTES	n factors for MM ropane—0.091 kW/mo) represe ation report, ple	333 MMBtu/ nt an avero	'gal 2ge monthl	y kW reductio	on figure. Dem	and saving	gs can (an	d usually c	io) vary by see	ason and in th	eir conversion			8 MMBtu/gal;	; Diesel — O	.13738 M	MBtu/gal;	Coal—19.54	48 MMBtu/short
																	_		
Version 3.1.1																			
epbamv09282020																			

	DETAIL OF C	ANNUAL OST SAVINGS II		NCE PERIOD TO PERFORM		O&M ISSUES	
ECM Number	Impact to Energy Savings (MMBtu)	Impact to Cost Savings (\$)	ECM Location	Total Lost Cost Savings Due to Agency (\$)	Total Lost Cost Savings Due to ESCO (\$)	Cause for Cost Savings Impact Due to Agency	Cause for Cost Savings Impact Due to ESCO
TOTALS:							
a shortfall on the g	xmation: los generally guarantee only luarantee. Moreover, it is d ed by over-achievement d	common for ESCOs' gu	arantees to exclus	ively cover the proj			
(2) All the ECM lost	cost savings may not add	up to the total shown	at the bottom of th	ne table due to erro	ors in data.		
ADDITIONAL NOT	ES:						
Version 3.1.1							
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