not provide adequate space for all breakdown of data required. However, when more than one sheet is used, the first page should provide the summary totals by programs.

Lines 1-4, Columns (c) through (g)

For new applications, leave Columns (c) and (d) blank. For each line entry in Columns (a) and (b), enter in Columns (e), (f), and (g) the appropriate amounts of funds needed to support the project for the first funding period (usually a year).

Line 6k—Enter the total of amounts on Lines 6i and 6j. For all applications for new grants and continuation grants the total amount in column (5), Line 6k, should be the same as the total amount shown in Section A, Column (g), Line 5. For supplemental grants and changes to grants, the total amount of the increase or decrease as shown in Columns (1)-(4), Line 6k should be the same as the sum of the amounts in Section A, Columns (e) and (f) on Line 5.

Line 7—Enter the estimated amount of income, if any, expected to be generated from this project. Do not add or subtract this amount from the total project amount. Show under the program narrative statement the nature and source of income. The estimated amount of program income may be considered by the federal grantor agency in determining the total amount of the grant.

Section C. Non-Federal Resources

Lines 8-11—Enter amounts of non-Federal resources that will be used on the grant. If in-kind contributions are included, provide a brief explanation on a separate sheet.

Column (a)—Enter the program titles identical to Column (a), Section A. A breakdown by function or activity is not necessary.

Column (b)—Enter the contribution to be made by the applicant.

Column (c)—Enter the amount of the State's cash and in-kind contribution if the applicant is not a State or State agency. Applicants which are a State or State agencies should leave this column blank.

Column (d)—Enter the amount of cash and in-kind contributions to be made from all other sources.

Column (e)—Enter totals of Columns (b), (c), and (d).

Line 12—Enter the total for each of Columns (b)-(e). The amount in Column (e) should be equal to the amount on Line 5, Column (f) Section A.

Section D. Forecasted Cash Needs

Line 13—Enter the amount of cash needed by quarter from the grantor agency during the first year.

Line 14—Enter the amount of cash from all other sources needed by quarter during the first year.

Line 15—Enter the totals of amounts on Lines 13 and 14.

Section E. Budget Estimates of Federal Funds Needed for Balance of the Project

Lines 16-19—Enter in Column (a) the same grant program titles shown in Column
(a), Section A. A breakdown by function or activity is not necessary. For new applications and continuation grant applications, enter in the proper columns amounts of Federal funds which will be needed to complete the program or project over the succeeding funding periods (usually in years). This section need not be completed for revisions (amendments, changes, or supplements) to funds for the current year of existing grants.
If more than four lines are needed to list the program titles, submit additional schedules as necessary.

Line 20—Enter the total for each of the Columns (b)-(e). When additional schedules are prepared for this Section, annotate accordingly and show the overall totals on this line.

Section F. Other Budget Information

Line 21—Use this space to explain amounts for individual direct object-class cost categories that may appear to be out of the ordinary or to explain the details as required by the Federal grantor agency.

Line 22—Enter the type of indirect rate (provisional, predetermined, final or fixed) that will be in effect during the funding period, the estimated amount of the base to which the rate is applied, and the total indirect expense.

Line 23—Provide any other explanations or comments deemed necessary.

From: Sarah McQuaid [smcquaid@solazyme.com]
Sent: Friday, September 10, 2010 3:42 PM
To: Hames, Molly
Cc: Sterner, Christy; Wise, Melissa; Tyler Painter; Adrian Galvez; Bob Florence
Subject: RE: DOE Award: DE-EE0002877 - Solazyme
Attachments: DE-EE0002877_Indirect rate - performance response 10Sept2010.pdf

Dear Ms. Hames,

Please find attached, as requested, our letter confirming that the indirect costs as codified in your letter of August 20, 2010 will not adversely affect the performance of award DE-EE0002877.

Thank you again and best regards,

Sarah

Sarah Larkin McQuaid, Ph.D., P.M.P.,
Assoc. Director Program Management,
Solazyme Inc.
Phone: 650.416.5122
Cell: 619.867.3055

-----Original Message-----
From: Hames, Molly [mailto:molly.hames@go.doe.gov]
Sent: Friday, August 20, 2010 12:41 PM
To: Sarah McQuaid; doe_szibr
Cc: Sterner, Christy; Wise, Melissa
Subject: DOE Award: DE-EE0002877 - Solazyme

Hello,
Please see the attached letter from the CO as requested by Solazyme.

Thanks,

Molly Hames
Department of Energy's Golden Field Office
303-275-4864

solazyme

September 9, 2010

Via Electronic Mail
Melissa Wise
Contracting Officer
Department of Energy
Golden Field Office
1617 Cole Boulevard
Golden, CO 80401-3393

Dear Ms. Wise,

Subject: Award No. DE-EE0002877, "Recovery Act: Solazyme Integrated Biorefinery (SzIBR): Diesel Fuels from Heterotropic Algae".

Solazyme, Inc. respectfully acknowledges receipt of the letter dated 20 August 2010 with respect to indirect cost reimbursement for Award # DE-EE0002877. Solazyme, Inc. hereby confirms that the capped indirect costs as detailed in the aforementioned letter will not adversely affect performance of the award.

Sincerely,

Tyler Painter,
Chief Financial Officer

RE Additional Request Re OBG

From: Sarah McQuaid [smcquaid@solazyme.com]
Sent: Thursday, August 12, 2010 12:40 PM
To: Sterner, Christy
Subject: RE: Additional Request Re: OB&G
Attachments: Solazyme IBR Proposal Comments Response.pdf

Hi Christy,

I've been looking through the in our archive and unfortunately I don't have the final contract in my hands. Gayle is swamped and can't dig it out for me until late today and Adrian is on vacation so it will take a little time to run down the final contract.

REDACTED
EXEMPTION 4

Hopefully this will work for your needs.

Please let me know if you still need the contract as support documentation?

Best regards,

Sarah

Sarah Larkin McQuaid, Ph.D., P.M.P.,
Assoc. Director Program Management,
Solazyme Inc.
Phone: 650.416.5122

-----Original Message-----
From: Sterner, Christy [mailto:christy.sterner@go.doe.gov]
Sent: Wednesday, August 11, 2010 4:56 PM
To: Sarah McQuaid
Subject: RE: Additional Request Re: OB&G

Wow...what a rotten day...first bad news and then the dentist. I hope you're headed home for a peaceful, relaxing evening instead of back to the office to send me a document that can certainly wait until tomorrow!
Thanks for the info and hope you have a much better evening than the day you've had!

Christy Sterner
U.S. DOE

Go to http://www.eere.energy.gov/golden/funding.aspx for important news regarding Grants.gov.

-----Original Message-----
From: Sarah McQuaid [mailto:smcquaid@solazyme.com]
Sent: Wednesday, August 11, 2010 5:43 PM
To: Sterner, Christy
Subject: Re: Additional Request Re: OB&G

Thanks for your kind wishes Christy - much appreciated.

The original budget had the design work split between BP1 and BP2. Two line items of in the construction tab were also intended for getting us to total originally estimated for breaks down the estimate into tasks. I'm just leaving the dentist now but will send you a copy of that later tonight.

Best regards, REDACTED
EXEMPTION 4

Sarah

Sarah McQuaid
Typed on iPhone - please excuse typos!

On Aug 11, 2010, at 3:49 PM, "Sterner, Christy"
<christy.sterner@go.doe.gov > wrote:

> Hi Sarah,
>
> I hope your afternoon/evening is improving some. I'm sorry to bother
> you with another request, but I have a feeling I'm going to be asked
> about it.

>
>
>
>

REDACTED
EXEMPTION 4

>
> If
> so, can you send it to me, please, to support the budget estimate. If
> there is a different basis for the costs (a contract is in place, but
> maybe it's for the total project rather than just this portion, for
> example), can you please provide me with a quick email supporting the
> cost estimate for EX4 Again, similar to my last question, I am not
> holding the amendment up for this information, but as it goes through
> review, I will be asked for it.
>
> Please let me know if you have additional questions or concerns.
> Thanks
> for your help with this.
>
> Best regards,
>
> Christy Sterner
> Project Officer
> U.S. Department of Energy
> Golden Field Office
> Phone: 303-275-4720
> Fax: 303-275-4753
> email: christy.sterner@go.doe.gov
>
> Go to http://www.eere.energy.gov/golden/funding.aspx for important
> news regarding Grants.gov.
>
>

REDACTED

FOIA EXEMPTION 4

REDACTED

FOIA EXEMPTION 4

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FOIA EXEMPTION 4

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REDACTED

FOIA EXEMPTION 4

REDACTED

FOIA EXEMPTION 4

August 10, 2010

Mr. David Brinkmann
VP Manufacturing
Solazyme, Inc.
561 Eccles Avenue
South San Francisco, CA 84080

Dear Mr. Brinkmann:

SUBJECT: Award No. DE-EE0002877, "Recovery Act: Solazyme Integrated Biorefinery (SzIBR): Diesel Fuels from Heterotrophic Algae"

This letter is to confirm in writing our discussion held on Thursday August 5, 2010 regarding Solazyme's indirect cost reimbursement.

Solazyme has an existing Rate Agreement with their cognizant agency, the Defense Logistics Agency (DLA). REDACTED EXEMPTION 4 . The Department of Energy (DOE) has proposed Any will not be reimbursed with DOE funds; however, the additional costs may be contributed by Solazyme as cost share toward the project.

Should you have any questions, please contact Molly Hames, Grants and Agreements Specialist, at molly.hames@go.doe.gov or 303-275-4864.

Sincerely,

Melissa Wise
Contracting Officer

Department of Energy
Golden Field Office
1617 Cole Boulevard
Golden, Colorado 80401-3393

August 20, 2010

Ms. Sarah Larkin McQuaid, Ph.D., P.M.P.,
Associate Director Program Management
Solazyme, Inc.
561 Eccles Avenue
South San Francisco, CA 84080

Dear Ms. McQuaid:

SUBJECT: Award No. DE-EE0002877, "Recovery Act: Solazyme Integrated Biorefinery (SzIBR): Diesel Fuels from Heterotrophic Algae"

This letter is to confirm in writing the results of the discussion held on Thursday August 5, 2010 between the Department of Energy (DOE) and Solazyme regarding Solazyme's indirect cost reimbursement.

Solazyme has an approved Rate Agreement with its cognizant agency, Defense Logistics Agency (DLA). Total Direct Costs is the approved allocation base for a rate. Solazyme Solazyme was informed by DOE tha REDACTED EXEMPTION 4

Therefore, Solazyme and DOE agreed to cap indirect cost for this award to Any indirect costs incurred above this cap, will not be reimbursed with DOE funds; however, the additional costs may be contributed by Solazyme as cost share toward the project.

DOE respectfully requests that Solazyme acknowledge receipt of this letter by further confirming that the capped indirect costs will not adversely affect the performance of this award.

Should you have any questions, please contact Molly Hames, Grants and Agreements Specialist, at molly.hames@go.doe.gov or 303-275-4864.

Sincerely,

Melissa Wise
Contracting Officer

Federal Recycling Program Printed on Recycled Paper

STATEMENT OF PROJECT OBJECTIVES

Solazyme, Inc.
Solazyme Integrated Biorefinery (SzIBR): Diesel Fuels from Heterotrophic Algae

A. PROJECT OBJECTIVES

Solazyme proposes to build, operate and optimize a pilot-scale "**S**ola**z**yme **I**ntegrated **B**io**r**efinery." SzIBR will demonstrate integrated scale-up of Solazyme's novel heterotrophic algal oil biomanufacturing process, validate the projected commercial-scale economics of producing multiple advanced biofuels, and enable Solazyme to collect the data necessary to complete design of the first commercial-scale facility.

Specific project objectives include:

- Expeditiously commence construction and operations.
- Integrate all process unit operations successfully into a unified biorefinery.
- Validate feasibility of low cost production at commercial scale.
- Demonstrate refining of the algal oil into fully-compliant liquid transportation fuels.
- Accelerate development of high-impact lignocellulosic feedstocks.
- Successfully complete the project on schedule.

B. PROJECT SCOPE

The scope of the proposed project encompasses (i) building, operating and optimizing a pilot-scale integrated biorefinery, (ii) cultivating fuel oil-producing algae, (iii) extracting and purifying oil from the algae, (iv) refining the algal oil to standard liquid transportation fuels, (v) optimizing fermentation parameters at both laboratory and pilot scale, and (vi) gathering data to assist in the design of subsequent demonstration and commercial facilities.

The project advances the goals of the Department of Energy (DOE) Biomass Program and accelerates the nation's ability to achieve the production targets mandated by the federal Renewable Fuel Standard (RFS).

C. TASKS TO BE PERFORMED

BUDGET PERIOD (BP) 1: PRELIMINARY ACTIVITIES

A BP-1 Submission (Preparation/Approval/Reporting)
A.1 Selection Kick-Off Meeting (DOE Core)
A.2 Submission of Award 1 application (DOE Core)
A.3 Acceptance of Award 1 application (DOE Core)
A.4 Release of Award 1 funds (DOE Core)
A.5 Reporting BP-1

Solazyme shall submit financial reports, including standard and Recovery Act status reports, and technical progress reports. Reports will be provided in accordance with the Federal Assistance Reporting Checklist following the instructions included therein.

B **Prepare manufacturing site:**
Solazyme shall finalize and sign Engineering, Procurement and Construction (EPC) contract (DOE Core), complete engineering drawings, submit permit applications, finalize specifications of equipment with vendors and procure long-lead time equipment, update the safety plan for the manufacturing site and begin demolition.

B.1.5 **EPC contract finalized and signed (DOE Core)**
B. 3 **Define commissioning criteria (DOE Core)**
C **BP-2 Application/Submission/Approval**
C.1 **Environmental Filings**
C.1.1.3 **National Environment Policy Act (NEPA) approval to proceed (DOE CORE)**
C.3 **Update Risk Management Plan (Risk Planning)**
C.3.9 **Risk mitigation plan validation completed – Award 2 (DOE Core)**
C.4 **Update Project Management Plan (PMP) (Schedule/Cost Planning)**
C.5 **Submission of Award 2 application (DOE Core)**
C.6 **CD-2 Approve Performance Baseline (DOE Core)**
C.7 **Acceptance of Award 2 application (DOE Core)**

BUDGET PERIOD 2: CONSTRUCTION AND OPERATION

D **Funding approval and release activities**
D.2 **CD-3 Approve Start of Construction (DOE Core)**
D.3 **Release of Award 2 funds (DOE Core)**
E **Feedstock sourcing**
F **Create and qualify pilot-scale SzlBR at manufacturing site:**
Solazyme shall submit purchase orders for all remaining equipment downstream of fermentation. Solazyme will clear space for equipment as needed, prepare utility connections and accept delivery of equipment. Solazyme shall also install, startup, test and qualify all equipment, train operators on new equipment and conduct start-up/safety inspection.

F.4.2 **Conduct Start-up/Safety Inspection**
F.4.3 **CD-4: Start of Operation Approval – Initiate Shakedown (DOE Core)**
F.5 **Test and qualify facility:**
Solazyme shall conduct start-up of unit operations and water checks and will start process flow by unit operations to complete a full integrated cycle. Solazyme shall facilitate an Independent Engineer Report.

F.5.4 **Shakedown complete (DOE Core)**
F.6 **Commissioning – Start of operation (DOE Core)**
G **Operate SzlBR to optimize and demonstrate integrated process:**

Solazyme shall conduct a series of major campaigns through the entire integrated process flow at SzIBR, collect extensive process data, and optimize the process parameters.

H **Optimize fermentation parameters at laboratory scale to support integrated pilot operations at SzIBR:**
Solazyme shall optimize the fermentation performance at laboratory scale in support of operations at SzIBR.

I **Generate concentrated sugars derived from lignocellulosic feedstocks:**
Solazyme shall obtain sugars derived from lignocellulosic feedstocks from subcontractors.

J **Integrated process campaign on cellulosic-derived sugars at manufacturing site:**
Solazyme will conduct at least one integrated campaign at reduced scale on cellulosic-derived sugars, collect extensive process data and test process parameters.

K **Refine algal oil from SzIBR to standard liquid transportation fuels:**
Solazyme will deliver purified algal oil generated in Task G to subcontractors that will refine the oil to standard liquid transportation fuels, including biodiesel and renewable diesel.

L **Project Management BP-2**
Solazyme shall submit financial reports, including standard and Recovery Act status reports, annual reports and updated pro formas, as well as the Interim Final Technical Report, including property disposition and IP reports. Reports will be provided in accordance with the Federal Assistance Reporting Checklist following the instructions included therein.

M **Complete commissioning of SzIBR**

M.1 **Facilitate Independent Engineers Performance Test**

M.2 **Completion of Commissioning Criteria (DOE Core)**

N **Extended Operation Period**

N.1 **Project Management**
Solazyme shall submit financial reports, the final pro forma, and the Final Technical Report, including final property disposition and final IP reports. Reports will be provided in accordance with the Federal Assistance Reporting Checklist following the instructions included therein.

Building 202/Solazyme Selective Demolition Project:

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EXEMPTION 4

Demolition work will consist of in the center bay of Building 202, first and second floors, consisting of a total of approximately square feet. The demolition will selectively preserve active data & communications conduits and utility through-connections essential for ongoing plant operations and supply to the current SzIBR project, thus requiring surgical demolition techniques.

Additional exterior demolition will that is adjoining Building 202 West Exterior. This area consists of approximately square feet, encompassing and will selectively preserve surrounding structural steel for reuse in the SzIBR project.

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EXEMPTION 4

Demolition will include

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EXEMPTION 4

The approach to selective demolition services will include:

- Analyze and safely prepare structures for demolition
- Careful consideration given to adjacent structures and active operations
- Closely coordinate tasks and schedule with site partner to work seamlessly with plant operations
- All projects are approached with the utmost concern for environmental compliance and employee safety

Estimated cost for services:

Bidding companies include

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EXEMPTION 4

American Recovery and Reinvestment Act of 2009, P.L. 111-5 (Recovery Act) Additional Budget Justification Information Applications shall provide information which validates that all laborers and mechanics on projects funded directly by or assisted in whole or in part by and through funding appropriated by the Recovery Act are paid wages at rates not less than those prevailing on projects of a character similar in the locality as determined by subchapter IV of Chapter 31 of title 40, United States Code (Davis-Bacon Act). For guidance on how to comply with this provision, see http://www.dol.gov/esa/whd/contracts/dbra.htm

To satisfy this requirement, please provide a written affirmation that you will comply with the Davis-Bacon Act, as identified above, along with

Affirmed by

Jonathan Wolfson, CEO

Solazyme Inc.

PMC123.1 - Budget Justification for SF 424A Budget

Instructions and Summary

Award Number: DE-FOA-0000096
Award Recipient: Solazyme

Date of Submission: 8/9/2011
Form submitted by: Solazyme
(May be award recipient or sub-recipient)

Please read the instructions on each page before starting.
If you have any questions, please ask your DOE contact. It will save you time!

On this form, provide detailed support for the estimated project costs identified on the SF-424A form (Budget).

- **The dollar amounts on this page must match the amounts on the associated SF-424A.**
- The award recipient and each sub-recipient with estimated costs of $100,000 or more must complete this form and a SF-424A form.
- The total budget presented on this form and on the SF424A must include both Federal (DOE), and Non-Federal (cost share) portions, thereby reflecting TOTAL PROJECT COSTS proposed.
- **For costs in each Object Class Category on the SF-424A, complete the corresponding worksheet on this form (tab at the bottom of the page).**
- **All costs incurred by the preparer's sub-recipients, vendors, contractors, consultants and Federal Research and Development Centers (FFRDCs), should be entered only in section f. Contractual. All other sections are for the costs of the preparer only.**

SUMMARY OF BUDGET CATEGORY COSTS PROPOSED

(Note: The values in this summary table are from entries made in each budget category sheet.)

CATEGORY	Budget Period 1 Costs	Budget Period 2 Costs	Budget Period 3 Costs	Total Costs	Project Costs %	Comments (Add comments as needed)
a. Personnel						
b. Fringe Benefits						
c. Travel						
d. Equipment						
e. Supplies						
f. Contractual						
Sub-recipient						
FFRDC						
Vendor						
Total Contractual						
g. Construction						
h. Other Direct Costs						
i. Indirect Charges						
Total Project Costs	$					
Cost Share						
Cost Share as % of Total						

REDACTED
EXEMPTION 4

Additional Explanations/Comments (as necessary)

DOE Share	$969,689	$20,752,502	$31,314	$21,753,505

a. Personnel

PLEASE READ!!!

List costs solely for employees of the entity completing this form (award recipient or sub-recipient). All other personnel costs (of subrecipients or other contractual efforts of the entity preparing this) must be included under f., Contractual. This includes all consultants and FFRDCs.

Identify positions to be supported. Key personnel should be identified by title. All other personnel should be identified either by title or a group category. State the amounts of time (e.g., hours or % of time) to be expended, the composite base pay rate, total direct personnel compensation and identify the rate basis (e.g., actual salary, labor distribution report, technical estimate, state civil service rates, etc.).

Add rows as needed. Formulas/calculations will need to be entered by the preparer of this form. Please enter formulas as shown in the example.

Task # and Title	Position Title	Budget Period 1			Budget Period 2			Budget Period 3			Project Total Hours	Project Total Dollars	Rate Basis
		Time (Hours)	Pay Rate ($/Hr)	Total Budget Period 1	Time (Hours)	Pay Rate ($/Hr)	Total Budget Period 2	Time (Hours)	Pay Rate ($/Hr)	Total Budget Period 3			
1. Generation 2A Receiver Design		10000											
EXAMPLE													
ONLY!!!													

REDACTED
EXEMPTION 4

Task # and Title	Position Title	Budget Period 1			Budget Period 2			Budget Period 3			Project Total Hours	Project Total Dollars	Rate Basis
		Time (Hours)	Pay Rate ($/Hr)	Total Budget Period 1	Time (Hours)	Pay Rate ($/Hr)	Total Budget Period 2	Time (Hours)	Pay Rate ($/Hr)	Total Budget Period 3			
	Total Personnel Costs												

REDACTED
EXEMPTION 4

Additional Explanations/Comments (as necessary)

b. Fringe Benefits

	Budget Period 1	Budget Period 2	Budget Period 3	Total
Rate applied:				
Total fringe requested:			REDACTED EXEMPTION 4	

A federally approved fringe benefit rate agreement, or a proposed rate supported and agreed upon by DOE for estimating purposes is required if reimbursement for fringe benefits is requested. Please check (X) one of the options below and provide the requested information, if it has not already been provided to the Contracting Officer, OR if it has changed since it was. Calculate the fringe rate and enter the total amount in Section B, line 6.b. ("Fringe Benefits") of form SF-424A.

____ **A fringe benefit rate has been negotiated with, or approved by, a federal government agency. A copy of the latest rate agreement is included with this application, and will be provided electronically to the Contracting Officer for this project.**
(When this option is selected, a presentation of the budget that demonstrates the appliction of the approved rate, to arrive at the proposed fringes benefits dollars should also be provided.)

X **There is not a current, federally approved rate agreement negotiated and available.**
(When this option is checked, the entity preparing this form shall submit a rate proposal in the format provided at the following website, or a format that provides the same level of information and which will support the rates being proposed for use in performance of the proposed project. Go to https://www.eere-pmc.energy.gov/forms.aspx and select PMC 400.2 Sample Rate Proposal.)

Additional explanation/comments (as necessary)

REDACTED
EXEMPTION 4

c. Travel

PLEASE READ!!!

Provide travel detail as requested below, identifying total Foreign and Domestic Travel as separate items. Purpose of travel are items such as professional conference, DOE sponsored meeting, project management meeting, etc. The Basis for Estimating Costs are items such as past trips, current quotations, Federal Travel Regulations, etc.

All listed travel must be necessary for performance of the Statement of Projecct Objectives.

Add rows as needed. If rows are added, formulas/calculations may need to be adjusted by the preparer.

Purpose of travel	No. of Travelers	Depart From (not required for domestic travel)	Destination (not required for domestic travel)	No. of Days	Cost per Traveler	Cost per Trip	Basis for Estimating Costs
Budget Period 1							
Domestic Travel							
EXAMPLE ONLY!!! Visit to PV cell mfr. to set up vendor agreement							
			REDACTED EXEMPTION 4				
Domestic Travel subtotal							
International Travel							
International Travel subtotal							
Budget Period 1 Total							
Budget Period 2							
Domestic Travel							
			REDACTED EXEMPTION 4				

Purpose of travel	No. of Travelers	Depart From (not required for domestic travel)	Destination (not required for domestic travel)	No. of Days	Cost per Traveler	Cost per Trip	Basis for Estimating Costs
		REDACTED EXEMPTION 4					
Domestic Travel subtotal							
International Travel							
International Travel subtotal							
Budget Period 2 Total							
		Budget Period 3					
Domestic Travel							
Domestic Travel subtotal							
International Travel							
		REDACTED EXEMPTION 4					
International Travel subtotal							
Budget Period 3 Total							
PROJECT TOTAL							

Additional Explanations/Comments (as necessary)

d. Equipment

PLEASE READ!!!

Equipment is generally defined as an item with an acquisition cost greater than $5,000 and a useful life expectancy of more than one year. Further definitions can be found at 10 CFR 600 found on the PMC Recipient Resources Forms page at https://www.eere-pmc.energy.gov/Forms.aspx#regs .

List all proposed equipment below, providing a basis of cost such as vendor quotes, catalog prices, prior invoices, etc., and briefly justifying its need as it applies to the Statement of Project Objectives. If it is existing equipment, and the value of its contribution to the project budget is being shown as cost share, provide logical support for the estimated value shown. If it is new equipment which will retain a useful life upon completion of the project, provide logical support for the estimated value shown.

For equipment over $50,000 in price, also include a copy of the associated vendor quote or catalog price list.

Add rows as needed. If rows are added, formulas/calculations may need to be adjusted by the preparer.

Equipment Item	Qty	Unit Cost	Total Cost	Basis of Cost	Justification of need
Budget Period 1					
EXAMPLE ONLY!!! Thermal shock chamber					
				REDACTED EXEMPTION 4	
Budget Period 1 Total					
Budget Period 2					
				REDACTED EXEMPTION 4	
Budget Period 2 Total					
Budget Period 3					
				REDACTED EXEMPTION 4	

Equipment Item	Qty	Unit Cost	Total Cost	Basis of Cost	Justification of need
				REDACTED	
				EXEMPTION 4	
Budget Period 3 Total					
PROJECT TOTAL					

Additional Explanations/Comments (as necessary)

REDACTED
EXEMPTION 4

e. Supplies

PLEASE READ!!!

Supplies are generally defined as an item with an acquisition cost of $5,000 or less and a useful life expectancy of less than one year. Supplies are generally consumed during the project performance. Further definitions can be found at 10 CFR 600 found on the PMC Recipient Resources Forms page at https://www.eere-pmc.energy.gov/Forms.aspx#regs.

List all proposed supplies below, providing a bases of cost such as vendor quotes, catalog prices, prior invoices, etc., and briefly justifying the need for the Supplies as they apply to the Statement of Project Objectives. Note that Supply items must be direct costs to the project at this budget category, and not duplicative of supply costs included in the indirect pool that is the basis of the indirect rate applied for this project.

Add rows as needed. If rows are added, formulas/calculations may need to be adjusted by the preparer.

General Category of Supplies	Qty	Unit Cost	Total Cost	Basis of Cost	Justification of need
Budget Period 1					
EXAMPLE ONLY!!! Wireless DAS components					
				REDACTED EXEMPTION 4	
Budget Period 1 Total					
Budget Period 2					
				REDACTED EXEMPTION 4	
Budget Period 2 Total					
Budget Period 3					

General Category of Supplies	Qty	Unit Cost	Total Cost	Basis of Cost	Justification of need
				REDACTED EXEMPTION 4	
Budget Period 3 Total					
PROJECT TOTAL					

dditional Explanati... ...ments (as necessary)

REDACTED
EXEMPTION 4

f. Contractual

PLEASE READ!!!

The entity completing this form must provide all costs related to sub-recipients, vendors, contractors, consultants and FFRDC partners in the applicable boxes below.

Sub-recipients (partners, sub-awardees):
For each sub-recipient with total project costs of $100,000 or more, a separate SF-424A budget and PMC123.1 budget justification form must be submitted. These sub-recipient forms may be completed by either the sub-recipients themselves or by the preparer of this form. The budget totals on the sub-recipient's forms must match the sub-recipeint entries below.

The preparer of this form need only provide further support of the completed sub-recipient budget forms as they deem necessary. The support to justify the budgets of sub-recipients with estimated costs less than $100,000 may be in any format, and at a minimum should provide what Statement of Project Objectives task(s) are being performed, the purpose/need for the effort, and a basis of the estimated costs that is considered sufficient for DOE evaluation.

Vendors (includes contractors and consultants):
List all vendors, contractors and consultants supplying commercial supplies or services used to support the project. The support to justify vendor costs (in any amount) should provide the purpose for the products or services and a basis of the estimated costs that is considered sufficient for DOE evaluation.

Federal Research and Development Centers (FFRDCs):
For FFRDC partners, award recipient will provide a Field Work Proposal (if not already provided with the original application), along with the FFRDC labor mix and hours, by category and FFRDC major purchases greater than $25,000, including Quantity, Unit Cost, Basis of Cost, and Justification. The award recipient may allow the FFRDC to provide this information directly to DOE.

Add rows as needed. If rows are added, formulas/calculations may need to be adjusted by the preparer.

Sub-Recipient Name/Organization	Purpose/Tasks in SOPO	Budget Period 1 Costs	Budget Period 2 Costs	Budget Period 3 Costs	Project Total
EXAMPLE ONLY!!! XYZ Corp.					
	REDACTED EXEMPTION 4				

Sub-Recipient Name/Organization	Purpose/Tasks in SOPO	Budget Period 1 Costs	Budget Period 2 Costs	Budget Period 3 Costs	Project Total
	Sub-total				

Vendor Name/Organization	Product or Service, Purpose/Need and Basis of Cost (Provide additional support at bottom of page as needed)	Budget Period 1 Costs	Budget Period 2 Costs	Budget Period 3 Costs	Project Total
EXAMPLE ONLY!!! ABC Corp.					
	REDACTED EXEMPTION 4				

FFRDC Name/Organization	Purpose	Budget Period 1 Costs	Budget Period 2 Costs	Budget Period 3 Costs	Project Total
	REDACTED EXEMPTION 4				

Total Contractual					

AdditionalExplanations/Comments (as necessary)

REDACTED
EXEMPTION 4

g. Construction

PLEASE READ!!!

Construction, for the purpose of budgeting, is defined as all types of work done on a particular building, including erecting, altering, or remodeling. Construction conducted by the award recipient is entered on this page. Any construction work that is performed by a vendor or subrecipient to the award recipient should be entered under f. Contractual.

List all proposed construction below, providing a basis of cost such as engineering estimates, prior construction, etc., and briefly justify its need as it applies to the Statement of Project Objectives.

Add rows as needed. If rows are added, formulas/calculations may need to be adjusted by the preparer.

verall description of construction actiivities:

Example Only!!! - Build wind turbine platform

General Description	Cost	Basis of Cost	Justification of need
Budget Period 1			
Three days of excavation for platform site EXAMPLE ONLY!!!			
		REDACTED EXEMPTION 4	
Budget Period 1 Total	**$0**		
Budget Period 2			

REDACTED
EXEMPTION 4

General Description	Cost	Basis of Cost	Justification of need
		REDACTED EXEMPTION 4	
Budget Period 2 Total			
Budget Period 3			
		REDACTED EXEMPTION 4	
Budget Period 3 Total			
PROJECT TOTAL			

Additional Explanations/Comments (as necessary)

g. Construction

h. Other Direct Costs

PLEASE READ!!!

Other direct costs are direct cost items required for the project which do not fit clearly into other categories, and are not included in the indirect pool for which the indirect rate is being applied to this project. Examples are meeting costs, postage, couriers or express mail, telephone/fax costs, printing costs, etc.

Basis of cost are items such as vendor quotes, prior purchases of similar or like items, published price list, etc.

Add rows as needed. If rows are added, formulas/calculations may need to be adjusted by the preparer.

General description	Cost	Basis of Cost	Justification of need
Budget Period 1			
EXAMPLE ONLY!!! Grad student tuition			
		REDACTED EXEMPTION 4	
Budget Period 1 Total			
Budget Period 2			
		REDACTED EXEMPTION 4	
Budget Period 2 Total			
Budget Period 3			
		REDACTED EXEMPTION 4	
Budget Period 3 Total			
PROJECT TOTAL			

Additional Explanations/Comments (as necessary)