

Additional Explanation (as needed):

b. Fringe Benefits

Labor Type	Budget Period 1			Budget Period 2			Budget Period 3			Budget Period 4			Budget Period 5			Total Project
	Personnel Costs	Rate	Total	Personnel Costs	Rate	Total	Personnel Costs	Rate	Total	Personnel Costs	Rate	Total	Personnel Costs	Rate	Total	
EXAMPLE!!! Sr. Engineer	\$170,000	20%	\$34,000	\$10,000	20%	\$2,000	\$10,000	20%	\$2,000	\$10,000	20%	\$2,000	\$10,000	20%	\$2,000	\$38,000
2022 Labor Loading Rate, Year To Date Average	(b) (4)															
			\$0			\$0			\$0			\$0			\$0	\$0
			\$0			\$0			\$0			\$0			\$0	\$0
			\$0			\$0			\$0			\$0			\$0	\$0
			\$0			\$0			\$0			\$0			\$0	\$0
Total:																

A federally approved fringe benefit rate agreement, or a proposed rate supported and agreed upon by DOE for estimating purposes is required at the time of award negotiation if reimbursement for fringe benefits is requested. Please check (X) one of the options below and provide the requested information if not previously submitted.

- ☐ A fringe benefit rate has been negotiated with, or approved by, a federal government agency. A copy of the latest rate agreement is/was included with the project application.*
- ☒ There is not a current federally approved rate agreement negotiated and available.**

*Unless the organization has submitted an indirect rate proposal which encompasses the fringe pool of costs, please provide the organization's benefit package and/or a list of the components/elements that comprise the fringe pool and the cost or percentage of each component/element allocated to the labor costs identified in the Budget Justification (Form EERE 335.1).

**When this option is checked, the entity preparing this form shall submit an indirect rate proposal in the format provided in the Sample Rate Proposal at <https://www.energy.gov/eere/funding/downloads/sample-indirect-rate-proposal-and-profit-compliance-audit>, or a format that provides the same level of information and which will support the rates being proposed for use in the performance of the proposed project.

Additional Explanation (as necessary): Please use this box (or an attachment) to list the elements that comprise your fringe benefits and how they are applied to your base (e.g. Personnel) to arrive at your fringe benefit rate.

(b) (4)

SOPO Task #	Purpose of Travel	Depart From	Destination	No. of Days	No. of Travelers	Lodging per Traveler	Flight per Traveler	Vehicle per Traveler	Per Diem Per Traveler	Cost per Trip	Basis for Estimating Costs
	Domestic Travel	Budget Period 1									
1	EXAMPLE!!! Visit to PV manufacturer			2	2	\$250	\$500	\$100	\$160	\$2,020	Current GSA rates
4.3	Site visit for Colorado-based team members	DEN	MSP			(b) (4)					Current GSA rates, Expedia
4.3	Site visit for Colorado-based team members	DEN	MSP								
4.3	Site visit for Colorado-based team members	DEN	MSP								
4.3	Community Oureach / MCG Conferences	DEN	MSP								
	International Travel										
	Budget Period 1 Total									\$0	
	Domestic Travel	Budget Period 2									
4.3	Site visit for Colorado-based team members	DEN	MSP								Current GSA rates, Expedia
4.3	Site visit for Colorado-based team members	DEN	MSP								
4.3	Site visit for Colorado-based team members	DEN	MSP								
4.3	Community Oureach / MCG Conferences	DEN	MSP								
	International Travel										
	Budget Period 2 Total									\$0	
	Domestic Travel	Budget Period 3									
4.3	Site visit for Colorado-based team members	DEN	MSP								Current GSA rates, Expedia
4.3	Site visit for Colorado-based team members	DEN	MSP								
4.3	Site visit for Colorado-based team members	DEN	MSP								
4.3	Community Oureach / MCG Conferences	DEN	MSP								
	International Travel										
	Budget Period 3 Total									\$0	
	Domestic Travel	Budget Period 4									
										\$0	
										\$0	
										\$0	
										\$0	
	International Travel										
	Budget Period 4 Total									\$0	
	Domestic Travel	Budget Period 5									
										\$0	
										\$0	
										\$0	
										\$0	
	International Travel										
	Budget Period 5 Total									\$0	
	PROJECT TOTAL									(b) (4)	
Additional Explanation (as needed):											

Subrecipient Budget Justification - NSPM

d. Equipment

SOPO Task #	Equipment Item	Qty	Unit Cost	Total Cost	Basis of Cost	Justification of need
Budget Period 1						
3,4,5	EXAMPLE!!! Thermal shock chamber	2	\$70,000	\$140,000	Vendor Quote - Attached	Reliability testing of PV modules- Task 4.3
4.3	Battery		(b) (4)		Engineering Estimate	Battery
4.3	Transformer				Engineering Estimate	Transformer 480v to 13.2 kV
4.3	Islanding Switch				Engineering Estimate	Switch gear
				\$0		
				\$0		
				\$0		
	Budget Period 1 Total					
Budget Period 2						
2.2	OH-UG Conversion Equipment and Install					
4.3	Battery				Engineering Estimate	Battery
4.3	Transformer				Engineering Estimate	Transformer 480v to 13.2 kV
4.3	Islanding Switch				Engineering Estimate	Switch gear
				\$0		
				\$0		
	Budget Period 2 Total					
Budget Period 3						
2.2	OH-UG Conversion Equipment and Install					
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
	Budget Period 3 Total					
Budget Period 4						
2.2	OH-UG Conversion Equipment and Install					
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
	Budget Period 4 Total					
Budget Period 5						
2.2	OH-UG Conversion Equipment and Install					
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
	Budget Period 5 Total					
	TOTAL EQUIPMENT					

Additional Explanation (as needed):

e. Supplies

SOPO Task #	General Category of Supplies	Qty	Unit Cost	Total Cost	Basis of Cost	Justification of need
Budget Period 1						
4.6	EXAMPLE!!! Wireless DAS components	10	\$360.00	\$3,600	Catalog price	For Alpha prototype - Task 2.4
4.3	Communication Equipment		(b) (4)			
4.3	Minor Parts					
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
	Budget Period 1 Total			\$		
Budget Period 2						
4.3	Communication Equipment					
4.3	Minor Parts					
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
	Budget Period 2 Total					
Budget Period 3						
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
	Budget Period 3 Total			\$0		
Budget Period 4						
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
	Budget Period 4 Total			\$0		
Budget Period 5						
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
	Budget Period 5 Total			\$0		
	TOTAL SUPPLIES			\$ (b) (4)		

Additional Explanation (as needed):

Subrecipient Budget Justification - NSPM

f. Contractual

SOPO Task #	Sub-Recipient Name/Organization	Sub-Recipient Unique Entity Identifier (UEI)	Purpose and Basis of Cost	Budget Period 1	Budget Period 2	Budget Period 3	Budget Period 4	Budget Period 5	Project Total
2,4	EXAMPLE!!! XYZ Corp.		Partner to develop optimal lens for Gen 2 product. Cost estimate based on personnel hours.	\$48,000	\$32,000	\$16,000			\$96,000
									\$0
									\$0
									\$0
									\$0
									\$0
			Sub-total	\$0	\$0	\$0	\$0	\$0	\$0

SOPO Task #	Contractor Name/Organization	Purpose and Basis of Cost	Budget Period 1	Budget Period 2	Budget Period 3	Budget Period 4	Budget Period 5	Project Total
6	EXAMPLE!!! ABC Corp.	Contractor for developing robotics to perform lens inspection. Estimate provided by contractor.	\$32,900	\$86,500				\$119,400
4.3	Contractor to be selected via competitive RFP	Purpose: Engineer/Procure/Construct three RMP microgrids. Basis: Historic spend of similar projects.	\$(b) (4)					\$
4.3	Contractor to be selected via competitive RFP	Purpose: Engineer/Procure/Construct the fourth microgrid (site TBD). Basis: Historic spend of similar projects.	\$					
4.3	Contractor(s) TBD for microgrid technologies workforce training/career pathways	Purpose: In collaboration with microgrid hosts, deliver workforce training on installation/operation/maintenance of microgrid technologies. Basis: historic costs for similar work.	\$					
2.5	The Davey Tree Expert Co, Asplundh Tree Expert LLC, Wright Tree Service, Zielies Tree Service, Turkey Creek Inc, Integrity Tree Service	Purpose: All vegetation clearing activities will be contracted out to specialized utility vegetation management companies. Basis: Budgets based on current contracted costs of existing similar work. Determination of which contractor(s) are awarded work may vary by year and be dependent on their performance, if an existing contractor, as well metrics related to safety, production, customer satisfaction, and cost targets. (existing utility vegetation management clearing vendors under contractor with Xcel Energy currently)	\$					
2.5	ACRT Inc and/or Iapetus Inc	Purpose: vegetation management activities. Basis: Budgets based on current contracted costs of existing similar work. (existing utility vegetation management QA/QC vendors under contractor with Xcel Energy currently)	\$					
		Sub-total	\$					\$0

SOPO Task #	FFRDC Name/Organization	Purpose and Basis of Cost	Budget Period 1	Budget Period 2	Budget Period 3	Budget Period 4	Budget Period 5	Project Total
								\$0
								\$0
		Sub-total	\$0	\$0	\$0	\$0	\$0	\$0

Total Contractual	\$(b) (4)
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Additional Explanation (as needed):

Subrecipient Budget Justification - NSPM

g. Construction

Overall description of construction activities: Example Only!!! - Build wind turbine platform

SOPO Task #	General Description	Cost	Basis of Cost	Justification of need
Budget Period 1				
3	EXAMPLE ONLY!!! Three days of excavation for platform site	\$28,000	Engineering estimate	Site must be prepared for construction of platform.
4.3	Site Prep	(b) (4)	Engineering estimate	Clearing site, removal of native soil, engineered fill
4.3	Concrete Mansonary Unit Wall		Historic Value	Protective wall, door, restoration
4.3	Interconnect Costs / Commissioning Costs		Engineering estimate	Interconnect between battery and grid (wire, conduit, switches, etc.)
4.3	Safety Systems (Dry pipe sprinkler system)		Historic Value	Dry pipe sprinkler system for fire protection
Budget Period 1 Total				
Budget Period 2				
2.2	OH-UG Conversion - Removal	\$1	Engineering estimate, per mile	
4.3	Site Prep		Engineering estimate	Clearing site, removal of native soil, engineered fill
4.3	Concrete Mansonary Unit Wall		Historic Value	Protective wall
4.3	Interconnect Costs / Commissioning Costs		Engineering estimate	Interconnect between battery and grid (wire, conduit, switches, etc.)
4.3	Safety Systems (Dry pipe sprinkler system)		Historic Value	Dry pipe sprinkler system for fire protection
Budget Period 2 Total				
Budget Period 3				
2.2	OH-UG Conversion - Removal		Engineering estimate, per mile	
Budget Period 3 Total				
Budget Period 4				
2.2	OH-UG Conversion - Removal		Engineering estimate, per mile	
Budget Period 4 Total				
Budget Period 5				
2.2	OH-UG Conversion - Removal		Engineering estimate, per mile	
Budget Period 5 Total				
TOTAL CONSTRUCTION				

Additional Explanation (as needed):

Subrecipient Budget Justification - NSPM

h. Other Direct Costs

SOPO Task #	General Description and SOPO Task #	Cost	Basis of Cost	Justification of need
Budget Period 1				
5	EXAMPLE!!! Grad student tuition - tasks 1-3	\$16,000	Established UCD costs	Support of graduate students working on project
4.3	Easement Costs	(b) (4)	Historic Value	Price for easement for BESS
4.3	Monitoring package			
5	Community Outreach Planning		Company historical basis of outreach for projects of similar scope	Budget for outreach planning & J40 programming for including but not limited to: physical space rental, outreach materials created and printed, J40 programs, etc.
5	DEIA & Workforce Outreach & Development		Internal cost estimate of extended outreach & integration into current DEIA & workforce programs	Budget for Diverse Supplier programming & Diverse Partner outreach & events for recruiting, diverse stakeholder outreach, workforce development, etc.
	Budget Period 1 Total			
Budget Period 2				
4.3	Monitoring package			
5	DEIA & Workforce Outreach & Development		Internal cost estimate of extended outreach & integration into current DEIA & workforce programs	Budget for Diverse Supplier programming & Diverse Partner outreach & events for recruiting, diverse stakeholder outreach, workforce development, etc.
5	Community Outreach & J40 Planning		Company historical basis of outreach for projects of similar scope	Budget for continued outreach and J40 programming
	Budget Period 2 Total			
Budget Period 3				
4.3	Monitoring package			
5	DEIA & Workforce Outreach & Development		Internal cost estimate of extended outreach & integration into current DEIA & workforce programs	Budget for Diverse Supplier programming & Diverse Partner outreach & events for recruiting, diverse stakeholder outreach, workforce development, etc.
5	Community Outreach & J40 Planning		Company historical basis of outreach for projects of similar scope	Budget for continued outreach and J40 programming
	Budget Period 3 Total			
Budget Period 4				
4.3	Monitoring package			
5	DEIA & Workforce Outreach & Development		Internal cost estimate of extended outreach & integration into current DEIA & workforce programs	Budget for Diverse Supplier programming & Diverse Partner outreach & events for recruiting, diverse stakeholder outreach, workforce development, etc.
5	Community Outreach & J40 Planning		Company historical basis of outreach for projects of similar scope	Budget for continued outreach and J40 programming
	Budget Period 4 Total			
Budget Period 5				
4.3	Monitoring package			
5	Community Outreach & J40 Planning		Company historical basis of outreach for projects of similar scope	Budget for continued outreach and J40 programming
	Budget Period 5 Total			
	TOTAL OTHER DIRECT COSTS			

Additional Explanation (as needed):

i. Indirect Costs

	Budget Period 1	Budget Period 2	Budget Period 3	Budget Period 4	Budget Period 5	Total	Explanation of BASE
Provide ONLY Applicable Rates:							
Overhead Rate	(b) (4)						Average of January 2023 E&S rates between applicable business areas across Northern States Power Company (MN)
General & Administrative (G&A)							Average of January 2023 A&G rates between applicable business areas across Northern States Power Company (MN)
FCCM Rate, if applicable	0.00%	0.00%	0.00%	0.00%	0.00%		
OTHER Indirect Rate	0.00%	0.00%	0.00%	0.00%	0.00%		
Indirect Costs (As Applicable):							
Overhead Costs							
G&A Costs							
FCCM Costs, if applicable						\$0	
OTHER Indirect Costs						\$0	
Total indirect costs requested:							

A federally approved indirect rate agreement, or rate proposed (supported and agreed upon by DOE for estimating purposes) is required if reimbursement of indirect costs is requested. Please check (X) one of the options below and provide the requested information if it has not already been provided as requested, or has changed.

- ☐ An indirect rate has been approved or negotiated with 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.
- ☒ The organization does not have a current, federally approved indirect cost rate agreement and has provided an indirect rate proposal in support of the proposed costs.
- ☐ This organization has elected to apply a 10% de minimis rate in accordance with 2 CFR 200.414(f).

You must provide an explanation (below or in a separate attachment) and show how your indirect cost rate was applied to this budget in order to come up with the indirect costs shown.

Additional Explanation (as needed): *IMPORTANT: Please use this box (or an attachment) to further explain how your total indirect costs were calculated. If the total indirect costs are a cumulative amount of more than one calculation or rate application, the explanation and calculations should identify all rates used, along with the base they were applied to (and how the base was derived), and a total for each (along with grand total).

(b) (4)

Additional Explanation (as needed):

Subrecipient Budget Justification - NSPM

Applicant Name: Xcel Energy Services, Inc. Award Number: TA1-103-E

Budget Information - Non Construction Programs

OMB Approval No. 0348-0044

Section A - Budget Summary							
Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget			Total (g)
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)		
1. Budget Period 1				(b) (4)			
2. Budget Period 2							
3. Budget Period 3							
4. Budget Period 4							
5. Budget Period 5							
6. Totals							

Section B - Budget Categories		Grant Program, Function or Activity					Total (5)
6. Object Class Categories		Budget Period 1	Budget Period 2	Budget Period 3	Budget Period 4	Budget Period 5	
a. Personnel		(b) (4)					
b. Fringe Benefits							
c. Travel							
d. Equipment							
e. Supplies							
f. Contractual							
g. Construction							
h. Other							
i. Total Direct Charges (sum of 6a-6h)							
j. Indirect Charges							
k. Totals (sum of 6i-6j)							

7. Program Income							
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