GRANT/LOAN AMENDMENT CEC-140 (Revised 9/11)



Check here if additional pages are attached. 2 Pages	EPC-17-047	AMENDMENT NUMBER:				
This Agreement is entered into between the State Agency and the Recipient named below:						
State AGENCY'S NAME State Energy Resources Conservation and Development Commission RECIPIENT'S NAME						
SLAC National Accelerator Laboratory	T 0/00/0000					
2. The term of this Agreement: From: 5/11/2018	To: 9/29/2023					
3. The maximum amount of this Agreement after this amendment is						
4. The parties mutually agree to this amendment as follows. All act part of the Agreement and incorporated herein:	ions noted below are by this	reference made a				
The purpose of this amendment is to approve a 6 month n Agreement EPC-17-047 was approved by the Energy Con	nmission on 5/9/2018 is amer	nded as follows:				
 Exhibit A-1, Project Schedule is attached and replacements. 	aces the previous approved t	EXHIBIT A-T, PTOJECT				
RECIPIENT						
RECIPIENT'S NAME (If other than an individual, state whether a corporation, partnership, etc) SLAC National Accelerator Laboratory						
BY (Authorized Signature)	DATE SIGNED (Do not type)					
Diana Creswell Digitally signed by Diana Creswell Date: 2022.11.16 11:20:33 -08'00'						
NAME AND TITLE OF PERSON SIGNING	<u></u> 11/16/2022					
Diana Creswell, Lifecycle Manager, Proposal Advancement Office, SLAC National Accelerator Laboratory						
ADDRESS						
2575 Sand Hill Road M/S 03, Menlo Park, CA 94025						
STATE OF CALIFORNIA						
AGENCY NAME						
State Energy Resources Conservation and Developmen BY (Authorized Signature)	DATE SIGNED (Do not type)	_				
K	<u>K</u>					
NAME AND TITLE OF PERSON SIGNING						
Adrienne Winuk, Contracts, Grants, and Loans Office Manager ADDRESS						
715 P Street, MS-18						
Sacramento, CA 95814-5512						

Agreement Term: 5-11-2018 to 3-31-2023 9-29-2023
Within this Scope of Work, "days" means working days. Changes to due dates must be approved in writing by the CAM, and may require approval by the Energy Commission's Executive Director or his/her designee.

Task/ Subtas	Task/Subtask Name	Meeting Name	Product(s)	AMD #1 Due Date	Due Date
1	General Project Tasks				
1.1	Products Kick-off Meeting	Kick-off Meeting			5/11/2018
1.2	Triok-on weening	rack-on weeting	I landate d Ducia at Calandala (if a policable)		0/11/2010
			Updated Project Schedule (if applicable)		
			Updated List of Match Funds (if applicable)		7 days after determination of the need to update the
			Updated List of Permits (if applicable)		documents
			CAM Product Kick-off Meeting Agenda		7 days prior to the kick-off
			The control of the co		meeting
1.3	CPR Meeting	CPR Meeting #1			10/30/2019
		CPR Meeting #2		11/10/2022	3/25/2021
			CPR Report	21/10/101	15 days prior to the CPR
			Task Product(s)		meeting
			CAM Products	I	5
			CPR Agenda List of Expected CPR Participants	<u> </u>	5 days prior to the CPR meeting
			Schedule for Providing a Progress Determination		15 days after CPR meeting
			Progress Determination		As indicated in the Schedule
			- regions Documents		for Providing a Progress Determination
1.4	Final Meeting	Final Meeting		4/28/2023	11/30/2022
			Final Meeting Agreement Summary (if applicable)	1/20/2020	
			Schedule for Completing Agreement Closeout		7 days after the final meeting
			All Draft and Final Written Products		
1.5	Progress Reports and		Progress Reports		10 days after the first of each
	Invoices		Invoices		10 days after the first of each month or quarter
1.6	Final Report				inonar or quartor
	Final Report Outline		Draft Final Report Outline		5/31/2022
1.6.1					
			Final Report Outline		As determined by the CAM
			CAM Product Style Manual	I	At least 2 months prior to the
			Style Manual		final report outline due date
			Comments on Draft Final Report Outline		Draft Final Report Outline
			Approval of Final Report Outline		Final Report Outline
	Final Report		Draft Final Report	12/16/2022	7/29/2022
1.6.2			Final Report	1/26/2022	9/30/2022
			CAM Products		
			Comments on Draft Final Report Outline		30 days after receipt of the Draft Final Report
1.7	Match Funds		Match Funds Status Letter		2 days prior to the kick-off
			Supplemental Match Funds Notification Letter (if		10 days after receipt of
			Match Funds Reduction Notification Letter (if		10 days after any reduction
1.8	Permits		Permit Status Letter		2 days prior to the kick-off
			Updated List of Permits (if applicable) Updated Schedule for Acquiring Permits (if		10 days after determination of the need for a new permit
			Copy of Each Approved Permit (if applicable)		7 days after receipt of each
1.9	Subcontracts		Draft Subcontracts (if required by the CAM)		·
	<u> </u>		Final Subcontracts		As determined by the CAM
1.10	Technical Advisory Committee (TAC)		List of Potential TAC Members List of TAC Members		2 days prior to the kick-off
	Committee (TAC)		Documentation of TAC Member Commitment		7 days after finalization of the 7 days after receipt of the
1.11	TAC Meetings	TAC Meeting #1	2555Situation of 17to Monibol Communicity		9/12/2018
		TAC Meeting #2			9/11/2019
		TAC Meeting #3			9/9/2020
		TAC Meeting #4			9/15/2021
		TAC Meeting #5	Droft TAC Masting Calcadial	<u>4/6/2023</u>	9/7/2022
			Draft TAC Meeting Schedule Final TAC Meeting Schedule		20 days after the kickoff 10 days after the first TAC
			Draft TAC Meeting Schedule Draft TAC Meeting Agendas		20 days prior to each TAC
			TAC Meeting Back-up Materials		meeting
	1	1	,		

ENERGY RESEARCH, DEVELOPMENT, AND DEMONSTRATION AGREEMENTS Exhibit A, Attachment A-1 EPC-17-047

SLAC National Accelerator Laboratory IV. PROJECT SCHEDULE

1		Final TAC Meeting Agenda		7 days prior to each TAC
		TAC Meeting Summaries		10 days after each TAC
		Technical Tasks		
2	Requirement Analysis	Data Exchange Requirements and Assessment Presentation		3/15/2019
		Data Exchange Implementation and Validation		6/20/2019
3	Implementation	CPR Report #1		10/30/2019
4	Testing and Validation	Testing and Validation Presentation	10/31/2022	8/16/2021
5	Finalize Production	Draft Developer & User Training Documentation	10/31/2022	10/25/2021
		CPR Report #2	11/10/2022	3/25/2021
		Final Developer & User Training Documention	11/28/2022	11/25/2021
		Final Product Release Report	1/13/2023	12/1/2021
6	Evaluation of Project	Kick-off Meeting Benefits Questionnaire		6/8/2018
	Benefits	Mid-term Benefits Questionnaire	12/16/2022	9/30/2021
		Final Meeting Benefits Questionnaire	4/28/2023	11/15/2021
7	Technology/Knowledge Transfer Activities	Updated Progress Power Point Slide		First Tuesday of each Month
		CAM Site Visit Schedule		7 days prior to the kick-off
		Draft Initial Fact Sheet		8/1/2018
		Final Initial Fact Sheet		10/1/2018
		Draft Final Project Fact Sheet		8/2/2021
		Final Project Fact Sheet	12/16/2022	10/1/2021
		Draft Presentation Materials	3/31/2023	12/28/2018
		Final Presentation Materials	4/14/2023	10/15/2021
		Draft Technology/Knowledge Transfer Plan		3/15/2019
		Final Technology/Knowledge Transfer Plan		6/18/2019
		Draft Technology/Knowledge Transfer Report		6/15/2021
		Final Technology/Knowledge Transfer Report	3/31/2023	8/16/2021
8	Production Readiness	Draft plan		8/16/2021
	Plan	Final Plan		10/15/2021

ENERGY RESEARCH, DEVELOPMENT, AND DEMONSTRATION AGREEMENTS Exhibit A, Attachment A-1 EPC-17-047 SLAC National Accelerator Laboratory IV. PROJECT SCHEDULE

Agreement Term: 5-11-2018 to 3-31-2023 9-29-2023
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Task/	Task/Subtask Name	Meeting Name	Product(s)	AMD #1 Due Date	Due Date
Subtas		Wiceting Name	Floudet(S)	AND #1 Due Date	Due Date
Jubias					
1	General Project Tasks				
1.1	Products	IC I CONA C			F/44/004
1.2	Kick-off Meeting	Kick-off Meeting			5/11/201
			Updated Project Schedule (if applicable)		
			1 (),		
			Updated List of Match Funds (if applicable)		7 days after determination of
			(.,,, ,		the need to update the
			Updated List of Permits (if applicable)		documents
			Opuated List of Fermits (if applicable)		
			CAM Designed		
			CAM Product		7
			Kick-off Meeting Agenda		7 days prior to the kick-off
4.0	CDD Maratina	CDD M = = 45= =: #4			meeting
1.3	CPR Meeting	CPR Meeting #1			10/30/2019
		CPR Meeting #2			3/25/202
		0. 11 mooming #2		11/10/2022	
			CPR Report		15 days prior to the CPR
			Task Product(s)		meeting
			CAM Products		
			CPR Agenda		5 days prior to the CPR
			List of Expected CPR Participants		meeting
			Schedule for Providing a Progress Determination		15 days after CPR meeting
			Progress Determination		As indicated in the Schedule
			1 regrees Betermination		for Providing a Progress
					Determination
1.4	Final Meeting	Final Meeting			11/30/2022
1.4	I man weeting	i mai weeting		4/28/2023	1 1/30/2021
			Final Meeting Agreement Summary (if applicable)		
			Schedule for Completing Agreement Closeout		7 days after the final meeting
			All Draft and Final Written Products		
1.5	Progress Reports and		Progress Reports		10 days after the first of each
	Invoices		Invoices		10 days after the first of each
					month or quarter
1.6	Final Report				·
	Final Report Outline		Draft Final Report Outline		5/31/2022
1.6.1	Final Report Outline		Draft Final Report Outline		5/31/2022
	Final Report Outline				
	Final Report Outline		Final Report Outline		5/31/2022 As determined by the CAM
	Final Report Outline		Final Report Outline CAM Product		As determined by the CAM
	Final Report Outline		Final Report Outline		As determined by the CAM At least 2 months prior to the
	Final Report Outline		Final Report Outline CAM Product		As determined by the CAM
	Final Report Outline		Final Report Outline CAM Product Style Manual		As determined by the CAM At least 2 months prior to the final report outline due date
	Final Report Outline		Final Report Outline CAM Product		At least 2 months prior to the
	Final Report Outline		Final Report Outline CAM Product Style Manual		As determined by the CAM At least 2 months prior to the final report outline due date
	Final Report Outline Final Report		Final Report Outline CAM Product Style Manual Comments on Draft Final Report Outline	12/16/2022	As determined by the CAM At least 2 months prior to the final report outline due date Draft Final Report Outline Final Report Outline
	·		Final Report Outline CAM Product Style Manual Comments on Draft Final Report Outline Approval of Final Report Outline Draft Final Report		As determined by the CAM At least 2 months prior to the final report outline due date Draft Final Report Outline Final Report Outline 7/29/2023
1.6.1	·		Final Report Outline CAM Product Style Manual Comments on Draft Final Report Outline Approval of Final Report Outline Draft Final Report Final Report	12/16/2022 1/26/2022	As determined by the CAM At least 2 months prior to the final report outline due date Draft Final Report Outline Final Report Outline 7/29/2023
1.6.1	·		Final Report Outline CAM Product Style Manual Comments on Draft Final Report Outline Approval of Final Report Outline Draft Final Report Final Report CAM Products		As determined by the CAM At least 2 months prior to the final report outline due date Draft Final Report Outline Final Report Outline 7/29/2023
1.6.1	·		Final Report Outline CAM Product Style Manual Comments on Draft Final Report Outline Approval of Final Report Outline Draft Final Report Final Report		As determined by the CAM At least 2 months prior to the final report outline due date Draft Final Report Outline Final Report Outline 7/29/2023 9/30/2023
1.6.1	Final Report		Final Report Outline CAM Product Style Manual Comments on Draft Final Report Outline Approval of Final Report Outline Draft Final Report Final Report CAM Products Comments on Draft Final Report Outline		As determined by the CAM At least 2 months prior to the final report outline due date Draft Final Report Outline Final Report Outline 7/29/2023 30 days after receipt of the Draft Final Report
1.6.1	·		Final Report Outline CAM Product Style Manual Comments on Draft Final Report Outline Approval of Final Report Outline Draft Final Report Final Report CAM Products Comments on Draft Final Report Outline Match Funds Status Letter		As determined by the CAM At least 2 months prior to the final report outline due date Draft Final Report Outline Final Report Outline 7/29/2023 30 days after receipt of the Draft Final Report 2 days prior to the kick-off
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1.6.2	Final Report		Final Report Outline CAM Product Style Manual Comments on Draft Final Report Outline Approval of Final Report Outline Draft Final Report Final Report CAM Products Comments on Draft Final Report Outline Match Funds Status Letter Supplemental Match Funds Notification Letter (if		As determined by the CAM At least 2 months prior to the final report outline due date Draft Final Report Outline Final Report Outline 7/29/2023 30 days after receipt of the Draft Final Report 2 days prior to the kick-off 10 days after receipt of 10 days after any reduction of
1.6.2	Final Report Match Funds		Final Report Outline CAM Product Style Manual Comments on Draft Final Report Outline Approval of Final Report Outline Draft Final Report Final Report CAM Products Comments on Draft Final Report Outline Match Funds Status Letter Supplemental Match Funds Notification Letter (if Match Funds Reduction Notification Letter (if Permit Status Letter		As determined by the CAM At least 2 months prior to the final report outline due date Draft Final Report Outline Final Report Outline 7/29/202: 30 days after receipt of the Draft Final Report 2 days prior to the kick-off 10 days after receipt of 10 days after any reduction of 2 days prior to the kick-off
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1.6.1	Final Report Match Funds Permits		Final Report Outline CAM Product Style Manual Comments on Draft Final Report Outline Approval of Final Report Outline Draft Final Report Final Report CAM Products Comments on Draft Final Report Outline Match Funds Status Letter Supplemental Match Funds Notification Letter (if Match Funds Reduction Notification Letter (if Permit Status Letter Updated List of Permits (if applicable) Updated Schedule for Acquiring Permits (if Copy of Each Approved Permit (if applicable)		As determined by the CAM At least 2 months prior to the final report outline due date Draft Final Report Outline Final Report Outline 7/29/2023 30 days after receipt of the Draft Final Report 2 days prior to the kick-off 10 days after receipt of 10 days after any reduction of 2 days prior to the kick-off 10 days after determination of the need for a new permit 7 days after receipt of each
1.6.1	Final Report Match Funds		Final Report Outline CAM Product Style Manual Comments on Draft Final Report Outline Approval of Final Report Outline Draft Final Report Final Report CAM Products Comments on Draft Final Report Outline Match Funds Status Letter Supplemental Match Funds Notification Letter (if Match Funds Reduction Notification Letter (if Permit Status Letter Updated List of Permits (if applicable) Updated Schedule for Acquiring Permits (if Copy of Each Approved Permit (if applicable) Draft Subcontracts (if required by the CAM)		As determined by the CAM At least 2 months prior to the final report outline due date Draft Final Report Outline Final Report Outline 7/29/202: 9/30/202: 30 days after receipt of the Draft Final Report 2 days prior to the kick-off 10 days after receipt of 10 days after any reduction of 2 days prior to the kick-off 10 days after determination of the need for a new permit
1.6.1	Final Report Match Funds Permits Subcontracts		Final Report Outline CAM Product Style Manual Comments on Draft Final Report Outline Approval of Final Report Outline Draft Final Report Final Report CAM Products Comments on Draft Final Report Outline Match Funds Status Letter Supplemental Match Funds Notification Letter (if Match Funds Reduction Notification Letter (if Permit Status Letter Updated List of Permits (if applicable) Updated Schedule for Acquiring Permits (if Copy of Each Approved Permit (if applicable) Draft Subcontracts (if required by the CAM) Final Subcontracts		As determined by the CAM At least 2 months prior to the final report outline due date Draft Final Report Outline Final Report Outline 7/29/2023 30 days after receipt of the Draft Final Report 2 days prior to the kick-off 10 days after receipt of 10 days after any reduction of 2 days prior to the kick-off 10 days after determination of the need for a new permit 7 days after receipt of each As determined by the CAM
1.6.2	Final Report Match Funds Permits Subcontracts Technical Advisory		Final Report Outline CAM Product Style Manual Comments on Draft Final Report Outline Approval of Final Report Outline Draft Final Report Final Report CAM Products Comments on Draft Final Report Outline Match Funds Status Letter Supplemental Match Funds Notification Letter (if Match Funds Reduction Notification Letter (if Permit Status Letter Updated List of Permits (if applicable) Updated Schedule for Acquiring Permits (if Copy of Each Approved Permit (if applicable) Draft Subcontracts (if required by the CAM) Final Subcontracts List of Potential TAC Members		As determined by the CAM At least 2 months prior to the final report outline due date Draft Final Report Outline Final Report Outline 7/29/2023 30 days after receipt of the Draft Final Report 2 days prior to the kick-off 10 days after receipt of 10 days after any reduction of 2 days prior to the kick-off 10 days after determination of the need for a new permit 7 days after receipt of each As determined by the CAM 2 days prior to the kick-off
1.6.1 1.6.2 1.7	Final Report Match Funds Permits Subcontracts		Final Report Outline CAM Product Style Manual Comments on Draft Final Report Outline Approval of Final Report Outline Draft Final Report Final Report CAM Products Comments on Draft Final Report Outline Match Funds Status Letter Supplemental Match Funds Notification Letter (if Match Funds Reduction Notification Letter (if Permit Status Letter Updated List of Permits (if applicable) Updated Schedule for Acquiring Permits (if Copy of Each Approved Permit (if applicable) Draft Subcontracts (if required by the CAM) Final Subcontracts List of Potential TAC Members List of TAC Members		As determined by the CAM At least 2 months prior to the final report outline due date Draft Final Report Outline Final Report Outline 7/29/2023 30 days after receipt of the Draft Final Report 2 days prior to the kick-off 10 days after receipt of 10 days after any reduction of 2 days prior to the kick-off 10 days after determination of the need for a new permit 7 days after receipt of each As determined by the CAM 2 days prior to the kick-off 7 days after finalization of the
1.6.1	Final Report Match Funds Permits Subcontracts Technical Advisory Committee (TAC)	TAC Marking 44	Final Report Outline CAM Product Style Manual Comments on Draft Final Report Outline Approval of Final Report Outline Draft Final Report Final Report CAM Products Comments on Draft Final Report Outline Match Funds Status Letter Supplemental Match Funds Notification Letter (if Match Funds Reduction Notification Letter (if Permit Status Letter Updated List of Permits (if applicable) Updated Schedule for Acquiring Permits (if Copy of Each Approved Permit (if applicable) Draft Subcontracts (if required by the CAM) Final Subcontracts List of Potential TAC Members		As determined by the CAM At least 2 months prior to the final report outline due date Draft Final Report Outline Final Report Outline 7/29/202: 9/30/202: 30 days after receipt of the Draft Final Report 2 days prior to the kick-off 10 days after any reduction of 2 days prior to the kick-off 10 days after determination of the need for a new permit 7 days after receipt of each As determined by the CAM 2 days prior to the kick-off 7 days after finalization of the 7 days after receipt of the
1.6.1	Final Report Match Funds Permits Subcontracts Technical Advisory	TAC Meeting #1	Final Report Outline CAM Product Style Manual Comments on Draft Final Report Outline Approval of Final Report Outline Draft Final Report Final Report CAM Products Comments on Draft Final Report Outline Match Funds Status Letter Supplemental Match Funds Notification Letter (if Match Funds Reduction Notification Letter (if Permit Status Letter Updated List of Permits (if applicable) Updated Schedule for Acquiring Permits (if Copy of Each Approved Permit (if applicable) Draft Subcontracts (if required by the CAM) Final Subcontracts List of Potential TAC Members List of TAC Members		As determined by the CAM At least 2 months prior to the final report outline due date Draft Final Report Outline Final Report Outline 7/29/202: 9/30/202: 30 days after receipt of the Draft Final Report 2 days prior to the kick-off 10 days after receipt of 10 days after any reduction of 2 days prior to the kick-off 10 days after determination of the need for a new permit 7 days after receipt of each As determined by the CAM 2 days prior to the kick-off 7 days after finalization of the 7 days after receipt of the
1.6.1	Final Report Match Funds Permits Subcontracts Technical Advisory Committee (TAC)	TAC Meeting #2	Final Report Outline CAM Product Style Manual Comments on Draft Final Report Outline Approval of Final Report Outline Draft Final Report Final Report CAM Products Comments on Draft Final Report Outline Match Funds Status Letter Supplemental Match Funds Notification Letter (if Match Funds Reduction Notification Letter (if Permit Status Letter Updated List of Permits (if applicable) Updated Schedule for Acquiring Permits (if Copy of Each Approved Permit (if applicable) Draft Subcontracts (if required by the CAM) Final Subcontracts List of Potential TAC Members List of TAC Members		As determined by the CAM At least 2 months prior to the final report outline due date Draft Final Report Outline Final Report Outline 7/29/202: 9/30/202: 30 days after receipt of the Draft Final Report 2 days prior to the kick-off 10 days after receipt of 10 days after any reduction of 2 days prior to the kick-off 10 days after determination of the need for a new permit 7 days after receipt of each As determined by the CAM 2 days prior to the kick-off 7 days after finalization of the 7 days after receipt of the 9/12/2018
1.6.1	Final Report Match Funds Permits Subcontracts Technical Advisory Committee (TAC)	TAC Meeting #2 TAC Meeting #3	Final Report Outline CAM Product Style Manual Comments on Draft Final Report Outline Approval of Final Report Outline Draft Final Report Final Report CAM Products Comments on Draft Final Report Outline Match Funds Status Letter Supplemental Match Funds Notification Letter (if Match Funds Reduction Notification Letter (if Permit Status Letter Updated List of Permits (if applicable) Updated Schedule for Acquiring Permits (if Copy of Each Approved Permit (if applicable) Draft Subcontracts (if required by the CAM) Final Subcontracts List of Potential TAC Members List of TAC Members		As determined by the CAM At least 2 months prior to the final report outline due date Draft Final Report Outline Final Report Outline 7/29/202: 9/30/202: 30 days after receipt of the Draft Final Report 2 days prior to the kick-off 10 days after receipt of 10 days after receipt of 10 days after determination of the need for a new permit 7 days after receipt of each As determined by the CAM 2 days prior to the kick-off 7 days after receipt of the 9 days after receipt of the 9/12/201: 9/11/201: 9/9/202
1.6.1	Final Report Match Funds Permits Subcontracts Technical Advisory Committee (TAC)	TAC Meeting #2 TAC Meeting #3 TAC Meeting #4	Final Report Outline CAM Product Style Manual Comments on Draft Final Report Outline Approval of Final Report Outline Draft Final Report Final Report CAM Products Comments on Draft Final Report Outline Match Funds Status Letter Supplemental Match Funds Notification Letter (if Match Funds Reduction Notification Letter (if Permit Status Letter Updated List of Permits (if applicable) Updated Schedule for Acquiring Permits (if Copy of Each Approved Permit (if applicable) Draft Subcontracts (if required by the CAM) Final Subcontracts List of Potential TAC Members List of TAC Members	1/26/2022	As determined by the CAM At least 2 months prior to the final report outline due date Draft Final Report Outline Final Report Outline 7/29/202: 9/30/202: 30 days after receipt of the Draft Final Report 2 days prior to the kick-off 10 days after receipt of 10 days after any reduction of 2 days prior to the kick-off 10 days after determination of the need for a new permit 7 days after receipt of each As determined by the CAM 2 days prior to the kick-off 7 days after receipt of the 7 days after receipt of the 9/12/201: 9/11/201: 9/9/202: 9/15/202
1.6.1	Final Report Match Funds Permits Subcontracts Technical Advisory Committee (TAC)	TAC Meeting #2 TAC Meeting #3	Final Report Outline CAM Product Style Manual Comments on Draft Final Report Outline Approval of Final Report Outline Draft Final Report Final Report CAM Products Comments on Draft Final Report Outline Match Funds Status Letter Supplemental Match Funds Notification Letter (if Match Funds Reduction Notification Letter (if Permit Status Letter Updated List of Permits (if applicable) Updated Schedule for Acquiring Permits (if Copy of Each Approved Permit (if applicable) Draft Subcontracts (if required by the CAM) Final Subcontracts List of Potential TAC Members List of TAC Members Documentation of TAC Member Commitment		As determined by the CAM At least 2 months prior to the final report outline due date Draft Final Report Outline Final Report Outline 7/29/202: 9/30/202: 30 days after receipt of the Draft Final Report 2 days prior to the kick-off 10 days after receipt of 10 days after receipt of 10 days after any reduction of 2 days prior to the kick-off 10 days after determination of the need for a new permit 7 days after receipt of each As determined by the CAM 2 days prior to the kick-off 7 days after finalization of the 7 days after receipt of the 9/12/2011 9/11/2012 9/9/2020 9/15/202
1.6.1	Final Report Match Funds Permits Subcontracts Technical Advisory Committee (TAC)	TAC Meeting #2 TAC Meeting #3 TAC Meeting #4	Final Report Outline CAM Product Style Manual Comments on Draft Final Report Outline Approval of Final Report Outline Draft Final Report Final Report CAM Products Comments on Draft Final Report Outline Match Funds Status Letter Supplemental Match Funds Notification Letter (if Match Funds Reduction Notification Letter (if Permit Status Letter Updated List of Permits (if applicable) Updated Schedule for Acquiring Permits (if Copy of Each Approved Permit (if applicable) Draft Subcontracts (if required by the CAM) Final Subcontracts List of Potential TAC Members List of TAC Members	1/26/2022	As determined by the CAM At least 2 months prior to the final report outline due date Draft Final Report Outline Final Report Outline 7/29/2022 9/30/2022 30 days after receipt of the Draft Final Report 2 days prior to the kick-off 10 days after receipt of 10 days after any reduction of 2 days prior to the kick-off 10 days after determination of the need for a new permit 7 days after receipt of each As determined by the CAM 2 days prior to the kick-off 7 days after finalization of the 7 days after receipt of the 9/12/2018 9/11/2019 9/9/2020 9/15/202

ENERGY RESEARCH, DEVELOPMENT, AND DEMONSTRATION AGREEMENTS Exhibit A, Attachment A-1 EPC-17-047

Exhibit A, Attachment A-1 EPC-17-047 SLAC National Accelerator Laboratory IV. PROJECT SCHEDULE

		IV. PROJECT SCHEDULE		
		Draft TAC Meeting Agendas		20 days prior to each TAC
		TAC Meeting Back-up Materials		meeting
		Final TAC Meeting Agenda		7 days prior to each TAC
		TAC Meeting Summaries		10 days after each TAC
		Technical Tasks		
2	Requirement Analysis	Data Exchange Requirements and Assessment		3/15/2019
		Presentation		
		Data Exchange Implementation and Validation Plan		6/20/2019
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5	Finalize Production	Draft Developer & User Training Documentation	10/31/2022	10/25/2021
		CPR Report #2	11/10/2022	3/25/2021
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6 E	Evaluation of Project	Kick-off Meeting Benefits Questionnaire		6/8/2018
	Benefits	Mid-term Benefits Questionnaire	12/16/2022	9/30/2021
		Final Meeting Benefits Questionnaire	4/28/2023	11/15/2021
	Technology/Knowledge Transfer Activities	Updated Progress Power Point Slide		First Tuesday of each Month
		CAM Site Visit Schedule		7 days prior to the kick-off
		Draft Initial Fact Sheet		8/1/2018
		Final Initial Fact Sheet		10/1/2018
		Draft Final Project Fact Sheet		8/2/2021
		Final Project Fact Sheet	12/16/2022	10/1/2021
		Draft Presentation Materials	3/31/2023	12/28/2018
		Final Presentation Materials	4/14/2023	10/15/2021
		Draft Technology/Knowledge Transfer Plan		3/15/2019
		Final Technology/Knowledge Transfer Plan		6/18/2019
		Draft Technology/Knowledge Transfer Report		6/15/2021
		Final Technology/Knowledge Transfer Report	3/31/2023	8/16/2021
8	Production Readiness Plan	Draft plan		8/16/2021
		Final Plan		10/15/2021