

Clean Energy Fund 4

Research, Development & Demonstration Grant Program
2021 Pre-Application Conference

Angela LaSalle

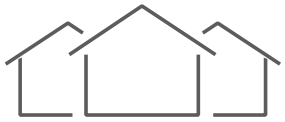
GRANTS MANAGER

05/05/2021



Washington State
Department of
Commerce

We strengthen communities



**HOUSING
HOMELESSNESS**



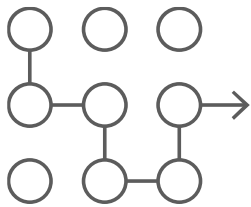
INFRASTRUCTURE



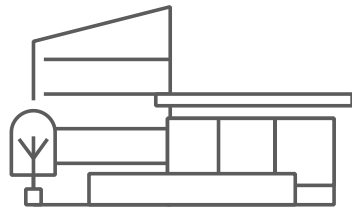
**BUSINESS
ASSISTANCE**



ENERGY



PLANNING



COMMUNITY FACILITIES



**CRIME VICTIMS &
PUBLIC SAFETY**



**COMMUNITY
SERVICES**

RD&D Pre-Application Conference Reminders



- This webinar is being **recorded**
- Hold all questions until the end of the webinar
- Use the **CHAT BOX** for questions
- Q&A document will be updated at least once a week on the program website: <https://www.commerce.wa.gov/growing-the-economy/energy/clean-energy-fund/energy-rdd-clean-energy-fund/>
- Please email: CEF@commerce.wa.gov
 - To document your presence at this webinar
 - For process-related questions

Agenda



- Program Intent:
 - Background and Program Goals
 - Changes from Clean Energy Fund 3 (CEF3)
 - Eligibility Criteria
- State Funding Requirements
- Timeline
- Two Phase Application Process
- Application and RFA
- Successful Applicants
- Questions from Participants

Program Intent

Background, Program Goals, Priorities and Changes from CEF 3



Program Intent: Background

- The Washington State Legislature created the program to increase the competitiveness of Washington's research institutions, organizations and clean energy technology companies
- Primary goals include:
 - Supporting Research, Development and Demonstration (RD&D) from proven project feasibility up to commercialization
 - Providing a required cost-share or match funding assistance
 - Leveraging non-state funding to help grow Washington's clean technology sector
 - Developing and strengthening relationships and new technologies in the clean energy sector



Program Intent: New for This Round

- Grants will support statewide clean energy goals
- Carve-out and reduced match requirements for eligible applicants
- Two Phase process with “encourage”/ “discourage” recommendations
- **Incentivize and prioritize projects that:**
 - Establish a partnership or ensure a formal advisory role for projects in Vulnerable Populations, Federally Recognized Tribal Governments, or organizations serving American Indian and Alaska Native (AIAN) primary service populations (“Tribes”).
 - Reduce energy burden and/or foster economic development for prioritized groups.
 - Reduce emissions; increase access to clean energy, and/or community resiliency for prioritized groups.
 - Increase Tribal energy sovereignty.



Program Intent: Applicants and Partners Must...

- Be based in the state of Washington
- Be able to demonstrate partnership with the research community through relevant research, development, and/or demonstration projects
- Be current with Department of Revenue and Secretary of State registrations for a minimum of six months by the time of application
- Not use RD&D funding to supplant or displace existing funds



Program Intent: Projects Must...

- Produce a capital asset
- Be completed within 36 months
- Demonstrate benefit to Washington state and/or Tribes
- Develop, demonstrate, or expand on clean energy technologies



Program Intent: Eligible Technologies

- Technology priorities are based on the 2021 State Energy Strategy
- Eligible projects must support Washington state clean energy policies and goals
- See section 1.2 of RFA

2021 SES	Outcome	Technology
Key Action/ Recommendation	RD&D Applicable Outcome	Clean Energy Fund Technology Eligibility Based on the 2021 State Energy Strategy
Communities	Enhancing resilience in rural WA	Resilient Distributed Energy
Transportation	Decarbonization of transportation sector	Electric Vehicles
		Electric or Hybrid Marine Vessels
		Electric or Hybrid Short-Haul Aircraft
		Battery Technologies
		Hydrogen Produced from Renewable Resources
		Renewable Hydrogen Storage and Distribution
		Hydrogen Fuel Cells
Buildings	Reduce/eliminate use of fossil fuels to heat and power homes, offices, warehouses, shops and other buildings	Advanced Biofuels
		Building Electrification
		Energy Efficiency
		Low-Carbon Building Materials
Industry	Promote renewable hydrogen production, clean fuels refining, and carbon capture	Grid-Connected and High-Efficiency Electric Heat Pumps and Water Heaters
		Advanced Bioenergy and Biorefining
		Renewable Hydrogen Storage, Distribution and Dispensing
		Hydrogen Produced from Renewable Resources
		Battery Recycling
		Development of New Earth Abundant and Lightweight Materials
		Carbon Capture, Use and Storage:
<ul style="list-style-type: none"> ○ Direct Air and Flue Gas Capture ○ Geological Storage 		
Electricity	Develop distributed energy resources with smart grid capabilities, including consumer equipment, to ensure reliability and flexibility	Renewable and Distributed Energy Production
		<ul style="list-style-type: none"> ○ Wind ○ Solar ○ Bioenergy ○ Hydrogen ○ Hydrokinetic ○ Geothermal
		Advanced Energy Storage
		Transmission and Distribution
		Smart Grid and Grid Controls
		Energy Efficiency

Program Intent: Ineligible Projects

- No match funding
- No specified capital asset
- Coal, oil, natural gas or projects in which the primary focus involves fossil fuels
- Project already at commercialization
- New business start-up funding
- Currently available technology
- Land or buildings



Available Funding and Match Requirements

- **\$7.8 million** is available under a competitive application process
- Additional funds may be available through other sources including but not limited to:
 - Previous grant rounds
 - Future funding authorized by the legislature
- Two applicant pools with different funding and match requirements

Group	Eligible applicant	Budget	Minimum Award	Maximum Award	Match
1	Non-profits; Local Governments; Non-R1 research institutions; Tribes* <i>National labs are not eligible for the carve-out or reduced match.</i>	\$1,000,000	\$150,000	\$1,000,000*	1:5
2	All other applicants including but not limited to national labs, established research institutions and private companies	\$ 6,802,744	\$150,000	\$1,500,000	1:1
	Total	\$ 7,802,744			

Estimated Timeline

Clean Energy Fund 4 Research, Development, and Demonstration		
Estimated Date	Task Category	Subtask Description
May 05, 2021	Pre-Application Conference 1	Host and Record Virtual Pre-Application Conference
May 11, 2021	Pre-Application Conference 2	Host and Record Virtual Pre-Application Conference
May 28, 2021	Phase One Application Closes	<ul style="list-style-type: none"> • Phase One Due • Evaluation Team 1 reviews applications
July 23, 2021	Applicants Notified	Applicants sent “Encouraged” or “Discouraged” to apply emails
July 24, 2021	Phase Two Opens	Phase Two Application Opens
August 20, 2021	Phase Two Application Closes	Phase Two Due
October 8, 2021	Scoring Ends	Evaluation Team 2 scores and ranks Phase Two
November 12, 2021	Awards	Awardees and non-awardees notified
<i>COMMERCE reserves the right to modify dates as required for program implementation.</i>		

Application Overview



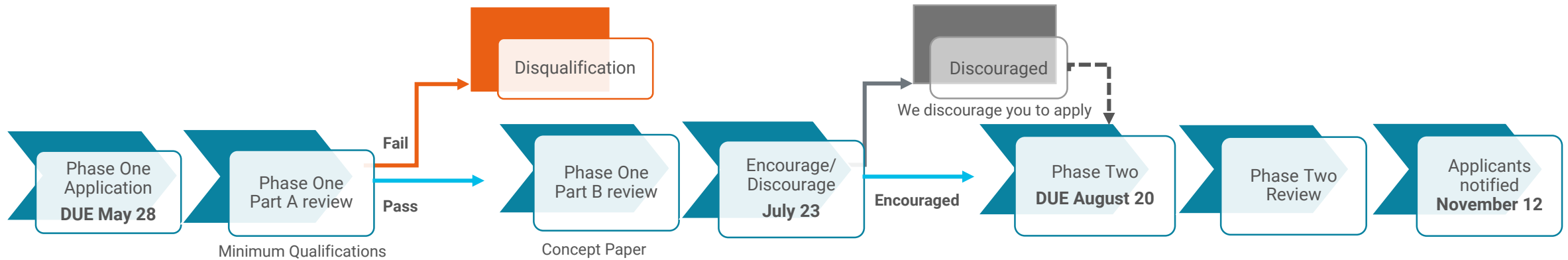
RFA and Application

- One project per application
- Application divided into two phases
- Instructions included in the applications and **RFA Section 3**
- Questions may be sent to CEF@commerce.wa.gov
- **Two Phases of Q&A**
 - Q&A Period One: May 1-May 14, 2021
 - Q&A Period Two: July 24-August 6, 2021

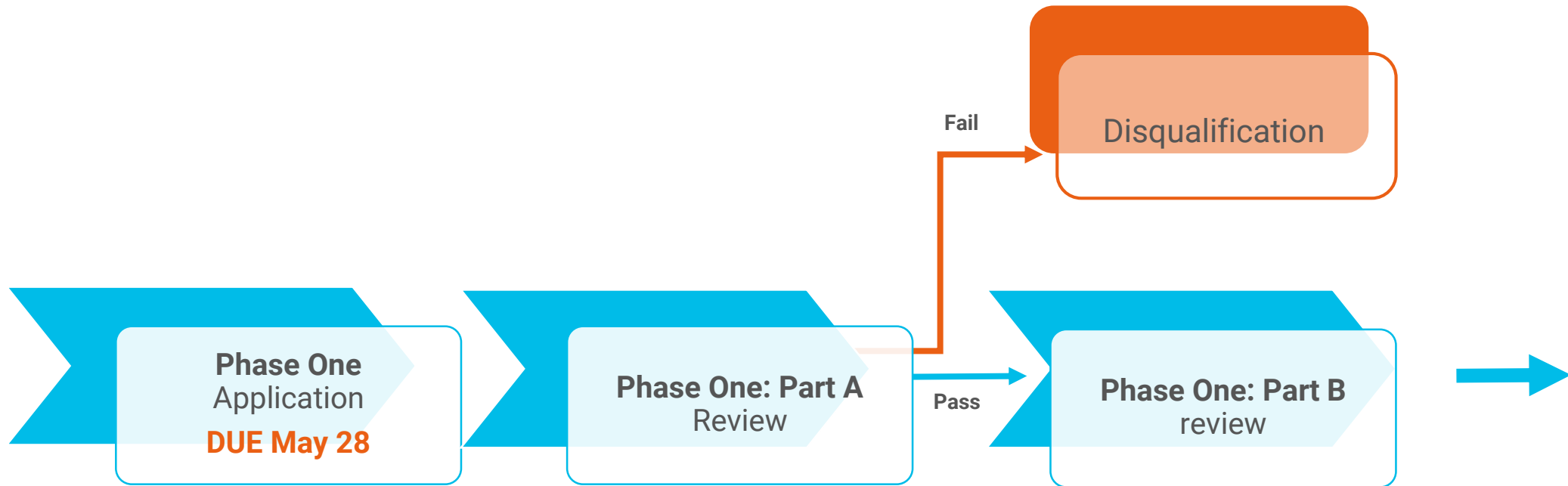
Application Overview

- Applications can be found on the RD&D website
- Application Materials
 - RFA
 - Applications
 - Support documentation and attachments
- How to submit:
 - Applications will only be accepted via email by submitting the packet to CEF@commerce.wa.gov.
 - Mailed paper applications will not be accepted.

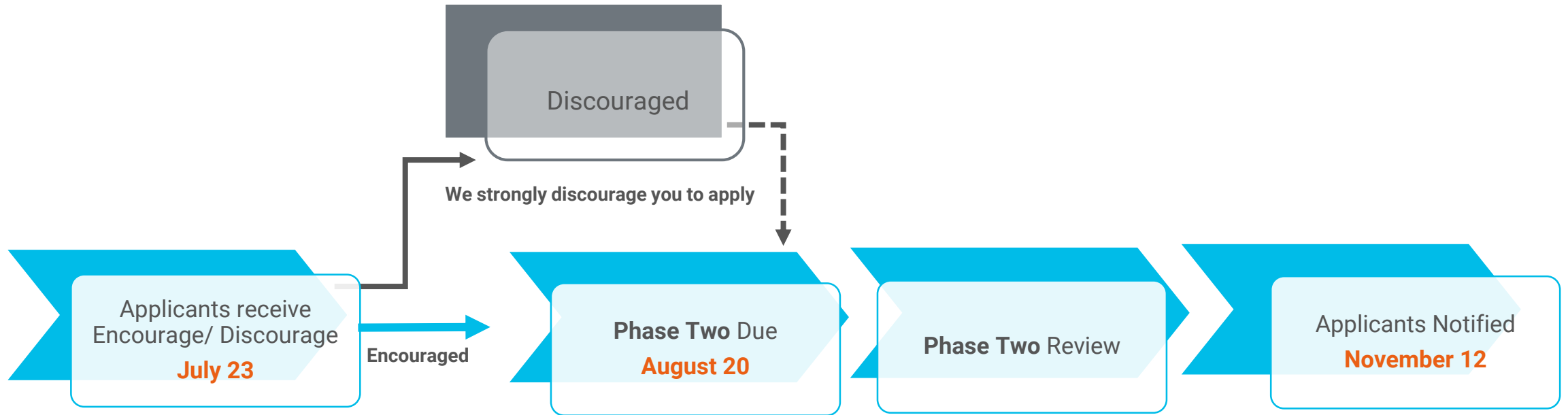
Two Phase Application Process



Two Phase Application Process



Two Phase Application Process



Application Phase One Overview

- Phase One due at **5 p.m. PST** on **May 28, 2021**
- **Application Phase One**
 - Part A: Project Information
 - Part B: Concept Paper
- **Required Documents:**
 - Screenshot of Dept. of Revenue and Secretary of State Registration
 - Debarment Certification
 - Certification of Official
 - Ethics in Public Service Compliance Form
 - Certifications and Assurances



Encourage/Discourage Decision

- **“Encouraged” or “Discouraged” recommendations sent ~July 23 2021**
- No opportunity for feedback at this stage
- “Discouraged” applicants can still submit a Phase Two Application, but a limited number of Phase Two applications will be reviewed
- Applicants will have ~ **four weeks** to submit a **Phase Two Application** after the receipt of “Encouraged” or “Discouraged” recommendation



Application Phase Two Overview

- **Phase Two Applications open July 24, 2021**
- **Phase Two Due at 5 p.m. PST on August 20, 2021**
- **Application Phase Two**
 - Part A: Broader Impacts and Equity
 - Part B: Intellectual Merit, Technical Proposal and Cost Proposal
 - Part C: Management Proposal and Match
- **Additional documents:**
 - Diverse Business Inclusion Plan
 - Workers' Rights Certification
 - Risk Assessment Form
 - Matching funds documentation letter(s) for SECURED matching funds only
 - Partnership letter(s)

Application Evaluation (RFA Section 4)

Phase	Application Phase	Rubric
Phase One	• Part A: Project Information	Pass/Fail (Minimum threshold screening)
	• Part B: Concept Paper	“Encourage”/“Discourage”
Phase Two	• Part A: Broader impacts and Equity	30% of Overall Score
	<ul style="list-style-type: none"> • Partnerships • Equity Narrative 	
	• Part B:	60% of Overall Score
	<ul style="list-style-type: none"> • Intellectual Merit • Technical Proposal • Cost Proposal 	
	• Part C:	10% of Overall Score
	<ul style="list-style-type: none"> • Management Proposal • Match 	
		100%

Successful Applicants



Successful Applicant Requirements

- **Applicants and Projects Must:**
 - Complete Risk Assessment Survey
 - Provide certification of insurance
 - Have secured match within **six months** of award
 - Be completed within 36 months of execution of the grant agreement. Exceptions may be negotiated on a case-by-case basis.
- **Comply with and ensure Subcontractors, and Partners comply with:**
 - All applicable federal, state, local laws and requirements
 - The applicable requirements of this program and any resulting contract
 - State Cultural and Historic Resource Requirements and Tribal Consultation as required by **Executive Order 21-02** (Formerly Governor's Executive Order 05-05)

Questions



Thank you!

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