



Shaping Tomorrow's
Built Environment Today

2023 DECARBONIZATION CHALLENGE

Society Year 2023-2024

REGION XIII

Photo of ASHRAE Global Headquarters Building

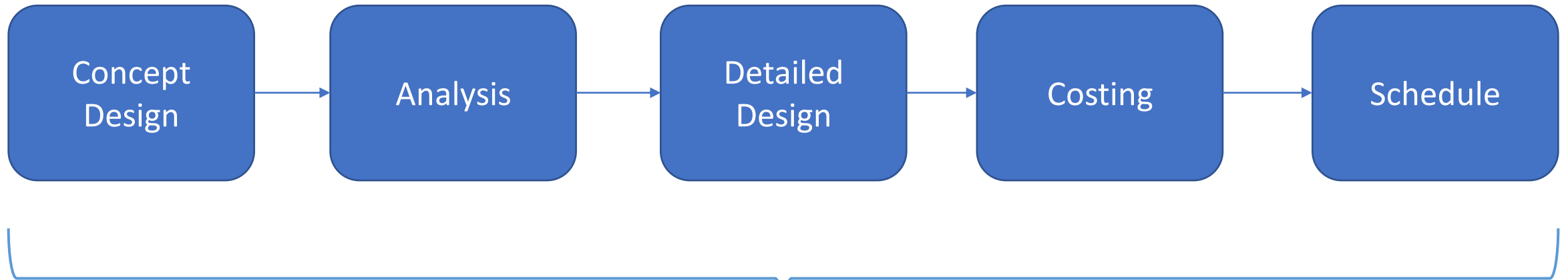
August 2023

AGENDA

- Guideline on how to plan and execute your project
 - Project Phases
 - Timeline
 - Concept Design
 - Analysis
 - Detailed Design
 - Costing
- Rubric Review



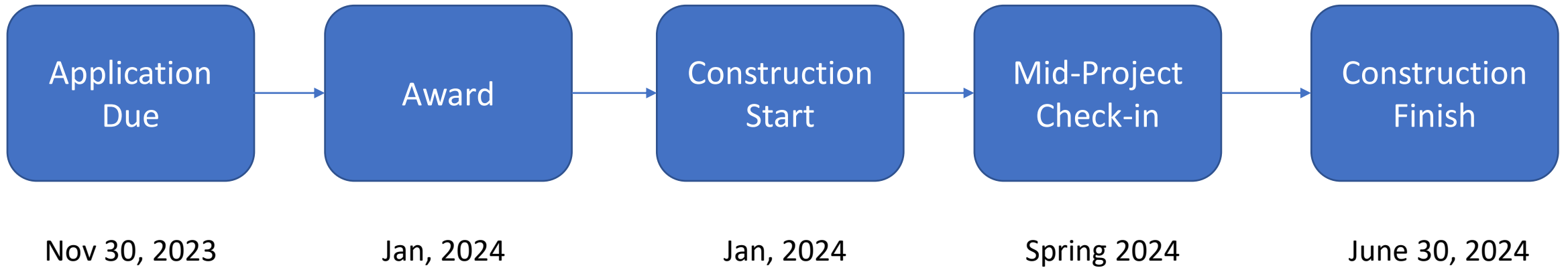
PROPOSAL PHASES



PROJECT
PROPOSAL



TIMELINE



CONCEPT DESIGN

1

Problem Statement – What aspect of decarbonization are you trying to tackle?

2

Opportunity – With the defined problem, what is the opportunity?

3

Value Proposition – What is the solution you are proposing given the opportunity present?

4

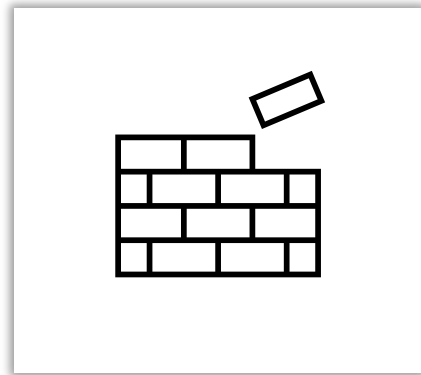
Scalability – Is the value proposition scalable?



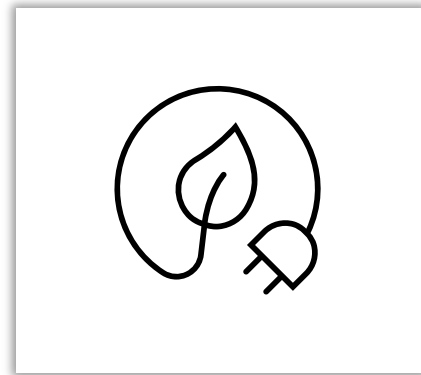
ANALYSIS

How will you quantify your success?

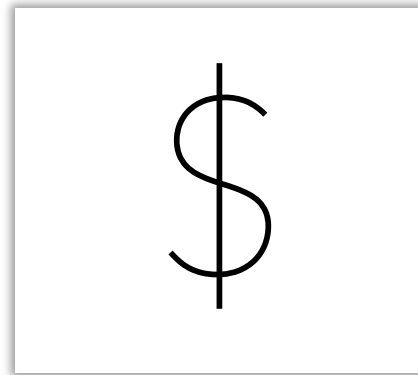
Some suggestions...



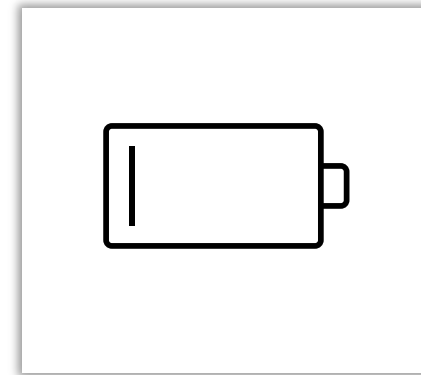
Embodied
Carbon
Reduction



Operating
Carbon
Reduction



Finances



Energy Savings

DETAILED DESIGN



DEFINE THE SCOPE

Put together a detailed plan of your project in the form of schematics, drawings, and narrative to communicate the scope of your project to stakeholders. **The submission is not the final deliverable!**



THINK ABOUT THE MATERIALS YOU NEED

What materials are needed? Are they readily available?



THINK ABOUT THE LOGISTICS

Who will provide the labour for your project when it goes into construction? What is the construction schedule going to look like? Can materials be procured in time?

COSTING



COSTING MUST BE SUBMITTED ON NOV 30th.

You must complete design early enough to be able to get your project priced. Getting quotations from vendors and contractors takes time!



WHO WILL FUND YOUR PROJECT?

It is likely that the ASHRAE funds alone will not be enough to fund your project. Need to find other partners or other sources of funding.



WILL FUNDS BE AVAILABE FOR CONSTRUCTION PHASE?

Vendors need to get paid – need to ensure that the funds are available when the project goes into implementation phase.

RUBRIC

	Category	Total Percentage of Points	Optional Categories
Finance & Carbon Impact	Matching Funds Secured (Optional, Encouraged)	0	30
	Project Partners Secured (Optional, Encouraged)		
	Matching Funds Ratio (more points for matching funds that are greater in proportion to the ASHRAE award amount)		
	Estimated Carbon Reduction (Optional, Encouraged)		
Description	What will your project do?	95	
	What will the final deliverable of your project be?		
	What will the durable impacts of the project be? (Optional, Encouraged)		20
	Project Repeatability/Scalability (Optional, Encouraged)		
	Project Benefit		
	Presidential Theme		
	Chapter Benefit		
	Community Benefit		
Uniqueness			
Timeline	Project Timeline		
General Review		5	
	You can get 100% by submitting an application, but 150% by completing optional additional parameters. Total score is out of 100.		
		100	50

The optional categories will get you more points!



RUBRIC

Committee with grassroots outreach and open to all ASHRAE members &

APPLY HERE

See detailed questions when you hit "APPLY HERE"

ASHRAE Decarbonization Challenge Application

Please complete all required and any relevant optional fields. All mandatory fields are required to be accurately completed to be considered for an award.

tsubasa.bolt@gmail.com [Switch account](#)



* Indicates required question

Email *

Your email

Project Title *

Please include a name for your challenge proposal. This will be how it is referred to in making the award notification, and any follow on social media or conference proceedings.

Your answer

