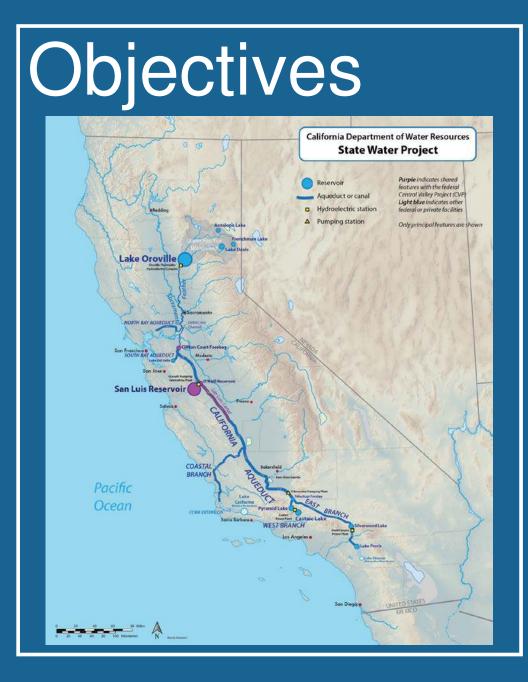
"Where Your Water Comes From"

Conservatory Garden State Water Project Exhibit

Matthew S. Dickens, MPA Julia Grothe

Water Resources and Watershed Committee Aug. 12, 2020 Item No. 3.1



01 Inform on Design & Stakeholder Process

Review Design Concepts

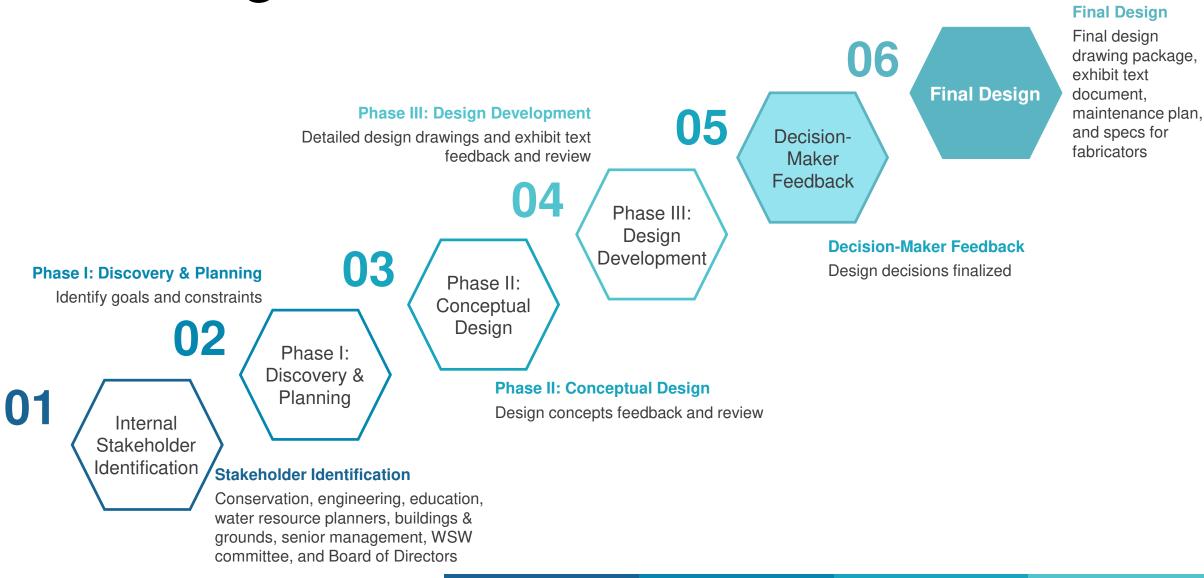
03 Seek Feedback and Direction on Exhibit Parameters Style, Size, Medium

04 Identify Next Steps (Schedule)

• Finalize Design

- Document Fabrication Specs
- Coordinate with Site Design Team

Design & Stakeholder Process



Design Process

Design Concepts

Feedback

Concept A

Design Process

3

1075

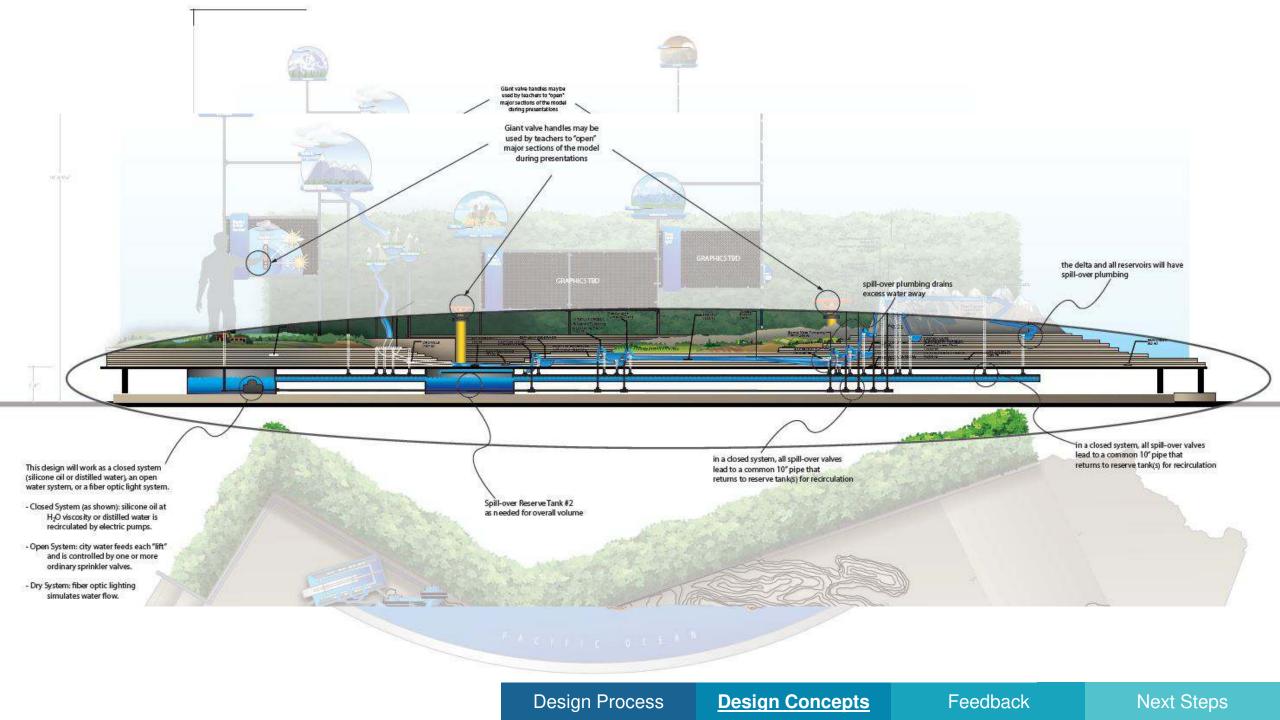
Design Concepts

404

Feedback

100







Design Concepts

Feedback



Design Concepts

Feedback

Concept B

Design Process

Design Concepts

Feedback

Next Steps

0

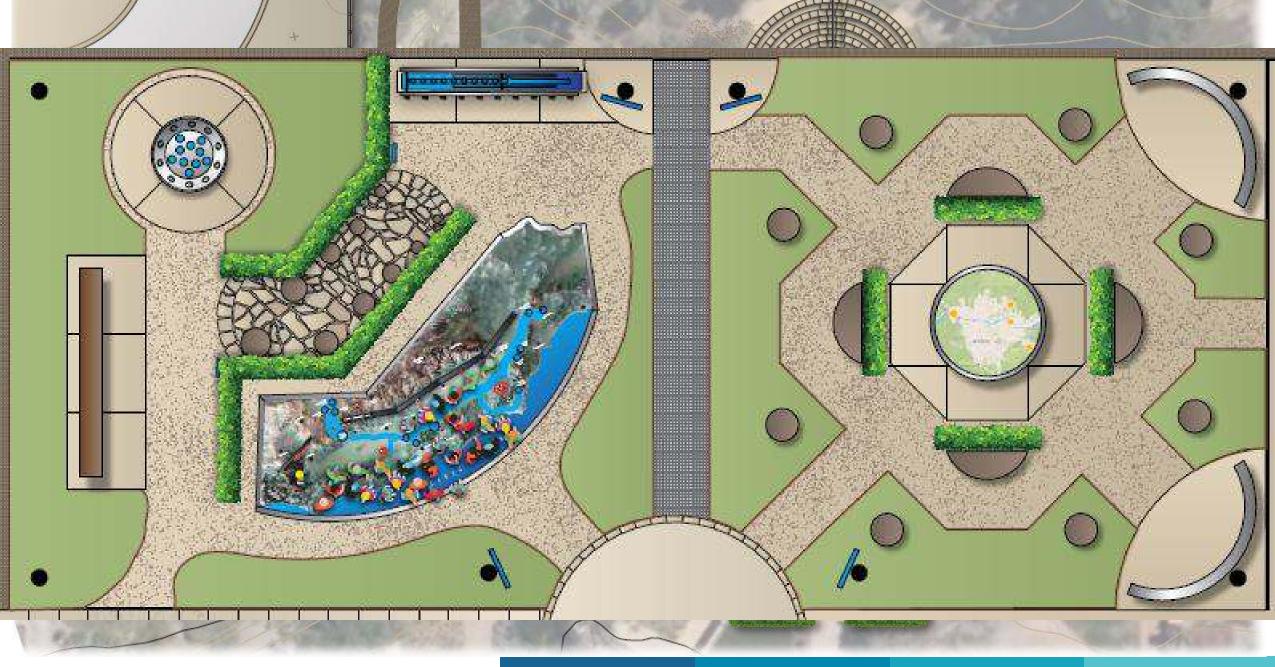
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Design Concepts

Feedback



Design Concepts

Feedback

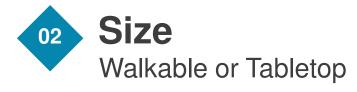


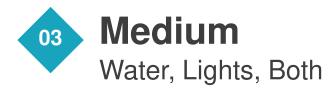
Design Concepts

Feedback

Feedback & Direction







• Design Cost: **\$75,000**

- Design Cost is estimated to be 25-35% of total cost
- Fabrication Cost Estimate: \$100,000 \$250,000
 - Walkable size will cost more than Tabletop size
 - Lights/Fiber Optics as a medium will cost more than Water as a medium
 - Both Lights and Water as a medium will cost more than either option alone
- Remember: this exhibit will be one-of-a-kind!

Design Process

Design Concepts

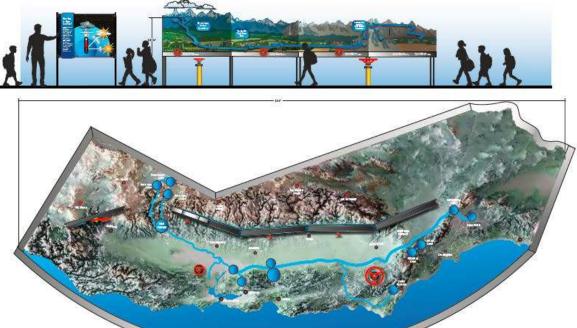
Feedback



Design A



Design B







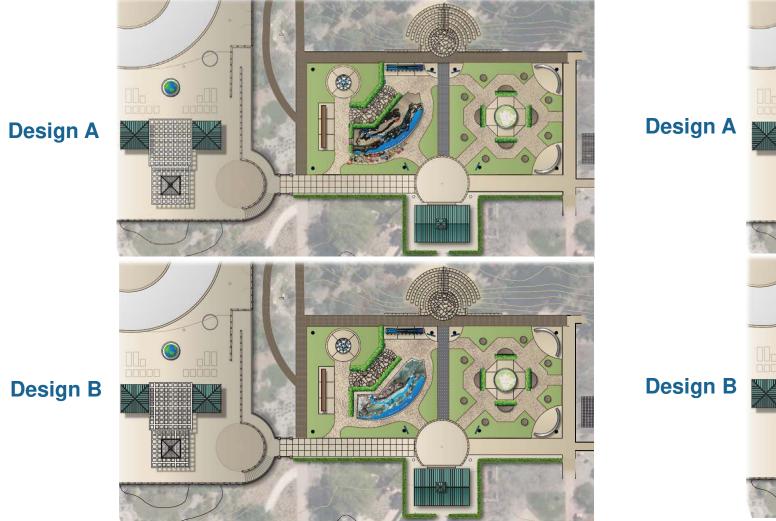
Design Process

Design Concepts

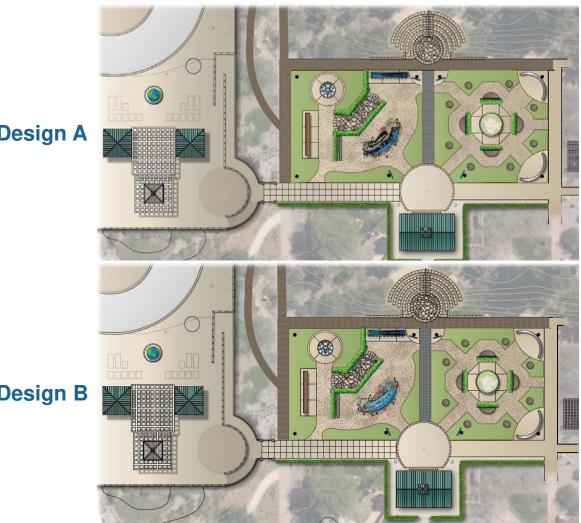
Feedback



Walkable



Tabletop



Design Process

Design Concepts

Feedback



• Water, Lignis, or Both									
	Components								
Water Representation	•	Interactive Components (1-5)	Meets Teaching Criteria (1-5)	Components Score Total	Maintenance Involved	Benefits	Challenges		
Lights/Fiber Optics	5	2	5	12	 Computer must be turned on and off daily Will need to be dusted off daily or every few days Light bulbs will dull over time, burn out, and will need replacing. Original computer will eventually break and backup computer needs to be updated regularly. If backup computer dies, will need a new program written. 	 Little day-to-day maintenation of the state of the state	the lightbulb Light bulbs v Will need to computer, so required Original com- break and ba be updated n If backup co- new program More difficul normal, wet,	mputer dies, will need a	
Water	5	5	5	15	 Mesh will need to be cleaned out daily or every few days to remove debris and prevent clogging of drain Only valves and no pumps required. Valves may need replacing, which is inexpensive and easy. 	 More interactive due to tac audio component of using water. Will be able to be seen cle even on bright days. Easily programmable to dia normal wet, dry, and droug years. Simplest system - easy an inexpensive to replace value 	real arly, splay ght daily) require Valves may	 Cleaning of mesh filters (potentially daily) required to prevent clogging. Valves may need replacing over time. 	
					Design Process	Design Concepts	<u>Feedback</u>	Next Steps	

Next Steps (Schedule)

Finalize Design
Document Fabrication Specs
Coordinate with Site Design Team

Design Process

Design Concepts

Feedback

THANK YOU

"Where Your Water Comes From"

