OVERLOOK WALK + OCEAN PAVILION
60% DESIGN
SEATTLE DESIGN COMMISSION
MARCH 05, 2020
OVERLOOK WALK + OCEAN PAVILION
AGENDA

INTRODUCTION

PROCESS
• Multidisciplinary/multicultural team
• Integration of Waterfront Seattle/Overlook Walk/Seattle Aquarium
• Waterfront Seattle community process
• Coast Salish tribal involvement
• Integrated Public Art

APPROACH
• Natural History
• Seattle Aquarium Conservation Mission
• Waterfront Seattle Public Open Space

BACKGROUND
• Central Waterfront Public Open Space
• Summary of 2018 SDC approval and feedback

60% DESIGN PROPOSAL

OVERLOOK WALK/ AQUARIUM ROOF
• Circulation
• Bluff Walk
• Maintenance Base
• Cafe Pavilion + Bridge
• Ocean Pavilion Roof
• West Overlook
• Salish Steps

OCEAN PAVILION
• Conservation mission/Aquarium campus
• Inclusive Exhibit experience
• Sustainability
• Program organization
• Integration with urban/waterfront context
• Showcase animal care
• Shoreline experience/materials
• Public exhibit access + Public Art
PROCESS

- Multidisciplinary / Multicultural Team
- Integration of Waterfront Seattle | Overlook Walk | Seattle Aquarium
- Waterfront Seattle Community Process
- Coast Salish Tribal Involvement
- Integrated Public Art
MULTIDISCIPLINARY/MULTICULTURAL TEAM

PROCESS

HEADWATER PEOPLE CONSULTING
ANN HAMILTON
SDOT
LAND MORPHOLOGY
PIELOW
COAST SALISH TRIBAL CONSULTANTS
PCA
STANTEC
JACOBS
LMN
GREENBUSH
ORCA
SEATTLE AQUARIUM
MILLER HULL
OFFICE OF THE WATERFRONT
PAE
GREENBUSH
STUDIO PACIFICA
THINC
ANCHOR QEA
TURNER
ASIA TAIL
SOJ
JMB CONSULTING
THINC
JCFO
HOFFMAN
DARKLIGHT
ANCHOR QEA
SHANNON WILSON
HLB
MKA
GREENBUSH
MANNY EZCURRA, MONTEREY AQUARIUM
PROCESS
WATERFRONT PUBLIC MEETINGS: 2011
PROCESS
WATERFRONT FRAMEWORK: WHAT WE HEARD
PROCESS
WATERFRONT FRAMEWORK: NEW CONNECTIONS
PROCESS
WATERFRONT PUBLIC MEETINGS: DEVELOPING DESIGN WITH THE COMMUNITY

2010 PUBLIC EVENT

2011 PUBLIC EVENT

2012 PUBLIC EVENT

2014 PUBLIC EVENT
PROCESS
WATERFRONT PUBLIC MEETINGS

LIGHTHOUSE FOR THE BLIND SIMULATION TOUR

SENIOR LUNCH AT FILIPINO COMMUNITY CENTER

COLLECTING PEOPLE’S FAVORITE ROUTES ON THE WATERFRONT

WATERFRONT SEATTLE PHOTO BOOTH AT DIA DE MUERTOS
PROCESS
WATERFRONT PUBLIC MEETINGS

CHALKBOARD IDEAS AT COMMUNITY FESTIVALS

COLLECTING EARLY INPUT AT CITY-HostED CIVIC EVENTS

IDEA GENERATION AT PUBLIC OPEN HOUSE

CREATIVE ENGAGEMENT AT LOCAL PARKS
# OCEAN PAVILION COMMUNITY PROCESS

## PROCESS

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
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<tbody>
<tr>
<td>APR 1</td>
<td>Master Plan process meeting</td>
</tr>
<tr>
<td>JUN 19</td>
<td>Public hearing &amp; review by SDC</td>
</tr>
<tr>
<td>MAR 1 TO JUN 30, 2015</td>
<td>Aquarium presents to Downtown and Waterfront community</td>
</tr>
<tr>
<td>MAY 18</td>
<td>Initial briefing to City Council Select Committee on Waterfront</td>
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<tr>
<td>JUN 9</td>
<td>Draft Master Plan published</td>
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<tr>
<td>JUN 16</td>
<td>Aquarium hosts Public Open House</td>
</tr>
<tr>
<td>JUL 13</td>
<td>Second public meeting</td>
</tr>
<tr>
<td>AUG 3</td>
<td>Resolution passed unanimously by City Council to approve Master Plan</td>
</tr>
<tr>
<td>OCT 8 TO PRESENT</td>
<td>Master Plan and Ocean Pavillion project information posted publicly</td>
</tr>
<tr>
<td>OCT 30</td>
<td>Public Hearing by the Select Budget Committee</td>
</tr>
<tr>
<td>NOV 16</td>
<td>Select Budget committee passes SDOT</td>
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<tr>
<td></td>
<td>Seattle Aquarium Expansion MOU</td>
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<tr>
<td>APR 1</td>
<td>Scoping notifications published</td>
</tr>
<tr>
<td>APR 19</td>
<td>Public hearing by SDC and Overlook Walk and Ocean Pavilion</td>
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<tr>
<td>MAY 1 TO PRESENT</td>
<td>Aquarium continues outreach to Downtown and</td>
</tr>
<tr>
<td>MAY 7</td>
<td>Waterfront community</td>
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<tr>
<td>MAY 7 TO MAY 28</td>
<td>Seattle Parks and Rec and SEAS publish initial scoping notice for EIS</td>
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<tr>
<td>MAY 24</td>
<td>Public scoping meeting</td>
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<tr>
<td>JUN 18</td>
<td>Public hearing by the Civic Development, Public Assets, and Native Communities Committee</td>
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<tr>
<td>JUN 23</td>
<td>Full Council consideration and unanimous passage of ordinance</td>
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<tr>
<td>AUG 9</td>
<td>Draft EIS notifications posted</td>
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<tr>
<td>AUG 30</td>
<td>Notice of availability for published EIS</td>
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<tr>
<td>AUG 30 TO OCTOBER 1</td>
<td>Public comment period open</td>
</tr>
<tr>
<td>SEP 27</td>
<td>Public hearing</td>
</tr>
<tr>
<td>NOV 18</td>
<td>Final EIS delivered to public</td>
</tr>
<tr>
<td>FEB 2</td>
<td>Public open house</td>
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<tr>
<td>DEC 4</td>
<td>Public hearing by Civic Development, Public Assets, and Native Communities Committee</td>
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<tr>
<td></td>
<td>Full Council consideration and unanimous passage of funding and future construction agreement</td>
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COAST SALISH TRIBAL INVOLVEMENT
PROCESS

• Visits with the Tribes
• Workshops with Tribal Consultants
• Engagement with the Tribal Youth ISTEAM
• Experiencing and participating in Coast Salish events and ceremonies
• Creating Indigenous cultural connections with the Coral Triangle
Welcome people from all over the world to participate - not merely observe.

Acknowledge the Aquarium’s location on Coast Salish land.

Speak to the necessity of Indigenous knowledge for the future of our shared One Ocean.

Storytelling as a shared experience that helps us imagine the world we want to live in.

Mitakuye-Oyasin

All my relations, is a worldview of interconnectedness and oneness. All living things are connected. I cannot exist without you and you cannot exist without me. Everything we do has an effect on others and on our world.
COAST SALISH TRIBAL INVOLVEMENT PROCESS

Programming and exhibit themes:

- **Welcoming**
  an invitation to enter and be part of a community, a movement, an Ocean Ethic

- **Migration**
  a migration of life that merges the local waters of the Salish Sea with the Coral Triangle

- **Witnessing**
  bearing witness to the work and sharing our stories and efforts in the conservation of the One Ocean

Integrated Coast Salish art

Indigenous Landscape

Material Treatments & Cultural Connections
WITNESSING: CULTURAL OUTREACH IN THE CORAL TRIANGLE PROCESS

**Relationship-building** between peoples, between humans and marine life.

The role of **place and culture** can produce fertile ground for future conversations and points of connection.

Being in dialogue with cultural practices can expand public thinking about the **ocean**.

Living near the water doesn't necessarily mean having a relationship with the underwater.

**Site-specific practice** - creating constant reminders of our relationships with other "worlds".
APPROACH

• Natural History of the Land and Water
• Seattle Aquarium Conservation Mission
• Waterfront Seattle Public Open House
“I don’t believe in magic. I believe in the sun and the stars, the water, the tides, the floods, the owls, the hawks flying, the river running, the wind talking. They’re measurements. They tell us how healthy things are.”

- BILLY FRANK JR.

Nisqually advocate for Indian treaty rights and environmental stewardship
“Nothing else will matter if we fail to protect the ocean. Our fate and the ocean are one.”

- DR. SYLVIA EARLE,
National Geographic Explorer-in-Residence

SEATTLE AQUARIUM
CONSERVATION MISSION

HERO FOR
THE PLANET
“...a once in a lifetime opportunity to emphatically connect downtown to the waterfront and to Elliott Bay, and to revitalize the environmental, social, and economic bases for the city and the entire region.”
- JAMES CORNER, JCFO
NATURAL HISTORY OF LAND AND WATER

SEATTLE AQUARIUM CONSERVATION MISSION

WATERFRONT SEATTLE PUBLIC OPEN SPACE
BACKGROUND

- Central Waterfront Public Open Space
OVERLOOK WALK + OCEAN PAVILION
BACKGROUND: CENTRAL WATERFRONT
CENTRAL PUBLIC OPEN SPACE
EXISTING PEDESTRIAN CONNECTIONS
OVERLOOK WALK + OCEAN PAVILION
DESIGN EVOLUTION

2014 LAYOUT (SDC)

2016 LAYOUT (SDC)

2018 LAYOUT (SDC)

2020 LAYOUT (SDC)
BACKGROUND

- Summary of 2018 SDC Approval & Feedback
OVERLOOK WALK
APRIL 2018 DESIGN SDC COMMENTS FOR OLW

BLUFF WALK
- SHOULD BE A SERIES OF SPACES.
- EXPLAIN LESSONS LEARNED FROM THE DESIGN AND CONSTRUCTION OF THE MARKETFRONT.
- THE AMOUNT OF VEGETATION IS GOOD ALONG BLUFF WALK. INCREASE THE AMOUNT OF VEGETATED AREAS ELSEWHERE.

CAFÉ AND BRIDGE
- MAXIMIZE LEVEL SURFACE TO ALLOW FOR VIEWING OPPORTUNITIES.
- FURTHER DEVELOP THE SOUTH OVERLOOK.
- NARROWING OF BRIDGE IS GOOD AND PROVIDES ADEQUATE GATHERING SPACE.
- HEIGHT OF PROPOSED PLANTINGS ALONG THE BRIDGE OBSTRUCT VIEWS TO THE NORTH AND SOUTH.
- COMMENDED INTEGRATING THE AQUARIUM FACILITY’S ROOF OPEN SPACE WITH THE OVERLOOK WALK
- ANALYZE ACCESSIBILITY.

SALISH STEPS, NORTH/SOUTH STAIRS AND PROMENADE
- SUPPORT THE FORM AND CURVILINEAR DESIGN OF THE SALISH STEPS
- QUESTIONED IF SPACES BETWEEN STAIR RAILING AND WALL WOULD BE USED, AND MAINTAINED.
- SUPPORT PROVIDING TRANSPARENT FACADES ALONG ELLIOTT WAY.
- PROVIDE PROGRAMMING WITHIN THE SPACE BENEATH THE NORTH STAIR THAT RESPONDED TO PROGRAMMING ELEMENTS WITHIN THE ADJACENT PLAZA.
- CONTINUE TO USE THE SAME MATERIALS FOR ELEMENTS SUCH AS LIGHTING AND RAILING FOUND THROUGHOUT THE DESIGN.
"A SERIES OF SPACES, FULL OF VEGETATION"
“A SERIES OF SPACES, FULL OF VEGETATION”
“MAXIMIZING LEVEL SURFACES TO ALLOW FOR VIEWS”
OVERLOOK WALK
APRIL 2018 VIEW WEST

“MAXIMIZING LEVEL SURFACES TO ALLOW FOR VIEWS”
"RECONSIDER UNUSED SPACES BETWEEN RAILINGS AND STEPS"
SEATTLE AQUARIUM OCEAN PAVILION
APRIL 2018 DESIGN COMMENTS

ART
• INTEGRATE ART INTO THE PROJECT AS SOON AS POSSIBLE;

EQUITY
• SOLIDIFY HOW NATIVE AMERICAN ART AND PROGRAMMING ARE INTEGRATED WITHIN THE PROJECTS;
• APPRECIATE THE INCLUSION OF ACCESSIBLE VIEWS AND OVERLOOKS
• PROVIDE INFORMATION ON UNIVERSAL ACCESSIBILITY AND CIRCULATION;
• PROVIDE AN ELEVATOR THAT IS RELIABLE AND SIZED TO MEET THE EXPECTED DEMAND; DESIGN THE ADJACENT STAIR TO BE MORE APPEALING TO POTENTIAL USERS;

SUSTAINABILITY
• PROVIDE MORE INFORMATION ON THE PROPOSED SUSTAINABILITY PROGRAM;

PROGRAMMING
• PROVIDE A REPRESENTATION OF PROPOSED PROGRAMMING AND OPEN SPACES THROUGHOUT THE PROJECT SITE;
• STUDY HOW THE OCEAN PAVILION AND AQUARIUM PLAZA WILL INTERACT WITH THE EXISTING AQUARIUM AND FUTURE WATERFRONT PROJECT;

MATERIALS
• INTEGRATE OR SCREEN THE MECHANICAL EQUIPMENT ON THE ROOF OF THE AQUARIUM FACILITY, TO THE GREATEST EXTENT POSSIBLE.
• CONTINUE TO PROVIDE THE SAME MATERIALS AND COLOR PALETTE ALONG THE STAIRS, BAY STEPS, AND AQUARIUM FAÇADE;

AQUARIUM ROOF
• DESCRIBE PROGRAMMING THAT WILL OCCUR ON THE ROOFTOP OPEN SPACE.
• SUPPORT PROVIDING VIEWS INTO AN AQUARIUM EXHIBIT FROM THE ROOFTOP
• PROVIDE AN ELEVATOR THAT IS RELIABLE AND SIZED TO MEET THE EXPECTED DEMAND
• INTEGRATE THE AQUARIUM FACILITY’S ROOF TOP OPEN SPACE WITH THE OVERLOOK WALK
• RECOMMEND THAT THE MATERIALS AND COLOR PALETTE STAY THE SAME ALONG THE STAIRS, SALISH STEPS, AND AQUARIUM FAÇADE.
60% DESIGN PROPOSAL

OVERLOOK WALK + OCEAN PAVILION ROOF

- Circulation
- Bluff Walk
- Maintenance Base
- Bridge + Cafe Pavilion
- Ocean Pavilion Roof
- West Overlook
- Salish Steps
OVERLOOK WALK + OCEAN PAVILION
EXISTING CROSS-SECTION
OVERLOOK WALK + OCEAN PAVILION
CULTURAL + ENVIRONMENTAL MEANING
OVERLOOK WALK + OCEAN PAVILION
INTEGRATED APPROACH TO THE PROJECT
OVERLOOK WALK + OCEAN PAVILION
WORKING WITH OUR TRIBAL CONSULTANTS TO TELL A CULTURAL NARRATIVE

THE JOURNEY BETWEEN LAND AND WATER

VEGETATION
AQUATIC PLANTS, PLANKTON
WILDLIFE
INVERTEBRATES, FISH, BIRDS, MARINE MAMMALS
WATER

VEGETATION
GRASSES, SALVAGED TIMBER
SHORE

VEGETATION
SHORELINE PINES, SHRUBS, GRASSES, COASTAL UNDERSTORY AND HABITAT
WILDLIFE
BIRDS
SLOPES

VEGETATION
PINES, ALDERS, FERNS, FOREST UNDERSTORY AND HABITAT
WILDLIFE
INSECTS, BIRDS
BLUFF
OVERLOOK WALK + OCEAN PAVILION
USING PLANT COMMUNITIES TO TELL STORIES

TSUGA  VINE MAPLE  MAHONIA
LUPINUS  DESCHAMPSIA  DRIFTWOOD
OVERLOOK WALK + OCEAN PAVILION
USING PAVEMENT TO TELL STORIES
OVERLOOK WALK + OCEAN PAVILION
USING MATERIALS AND VIEWS TO TELL STORIES

VIEWS TO THE OLYMPIC MOUNTAINS
CULTURAL MATERIALS
TIMBER

VIEWS TO THE SALISH SEA
EXPERIENCING THE BLUFF
VIEWS TO MOUNT TAHOMA
OVERLOOK WALK
MARKET FRONT CONNECTION AT “DIVING BOARD”
BLUFF WALK
OVERLOOK

GUARD RAIL

HAND RAIL

LEAN GUARD RAIL

+47.5'

+79'

MARKET FRONT

BLUFF WALK OVERLOOK

BUFFER PLANTING

SEATING

BLUFF WALK

PLANTED SLOPE
BLUFF WALK
RAILING DESIGN - STANDARD GUARDRAIL W/ LEAN RAIL

WOOD LEANRAIL
1/4" RADIUS CORNER, TYP.
1/2" SS PLATE WELDED TO 3/4" THK SS BRACKET

WOOD TOPPER
1 1/2" DIA. SS TUBE FRAME W/MESH INFILL
MESH INFILL
SS STANCHION
STANCHION EMBEDMENT
WOOD TOP RAIL
SS ATTACHMENT PLATE
SS STANCHION (BELOW)

FINISH SURFACE

ELEVATION
4'-0" O.C. TYP.

SECTION

PLAN
4'-0" O.C. TYP.

TYP. GUARDRAIL Side DETAIL
BLUFF WALK
PLAY SLOPES - SLIDES
BLUFF WALK
PLAY SLOPES - SLIDE PRECEDENTS

GOVERNOIR'S ISLAND SLIDE

TONGVA PARK ROLLER SLIDE

TONGVA PARK STEEL SLIDE

GOVERNOIR'S ISLAND SLIDE
BLUFF WALK
PLAY SLOPES - CLIMBING SLOPE

- PLANTED BUFFER
- TIMBER SEATING
- BLUFF WALK LANDING
- CLIMBING SLOPE + LANDING
- UPPER LANDING + BLUFF WALK
- TIMBER SEATING
- PLANTED BUFFER
- MARKET FRONT
OVERLOOK WALK
BRIDGE AT ALASKAN WAY LEVEL
MAINTENANCE BASE
ROADWAY LEVEL
MAINTENANCE BASE
ALASKAN WAY BRIDGE: ANN HAMILTON ARTIST
OVERLOOK WALK
BRIDGE OPEN SPACE
OVERLOOK WALK
NEW ACCESS TO WESTERN AVE + MARKET GARAGE ELEVATOR AND STAIRS

TO WESTERN AVENUE

TO ELEVATOR AND STAIRS

TO OVERLOOK WALK, OCEAN PAVILION + ELEVATOR AND STAIRS
OCEAN PAVILION ROOF
PUBLIC OPEN SPACE
OCEAN PAVILION ROOF
GATHERING AREA

- BAY OVERLOOK
- BAY STEPS
- TIMBER SEATING
- GATHERING AREA
- PRECAST CONCRETE BENCH
- BUFFER PLANTING

+67'
OCEAN PAVILION ROOF
VIEW TO NORTH FROM BOTTOM OF BAY STEPS
OVERLOOK WALK
WESTERN OVERLOOK + STAIRS

- Western Overlook
- Stairs: North, South, Upper Salish Steps
- Bridge
- Ocean Pavilion Roof

Levels:
- +32'
- +60'
- +67'
OVERLOOK WALK
WESTERN OVERLOOK + STAIRS
OVERLOOK WALK
WESTERN OVERLOOK + STAIRS

OVERLOOK WALK
- 50'
- 100 STEPS

OLYMPIC SCULPTURE PARK
- 35'
- 58 STEPS

PIKE HILL CLIMB
- 44'
- 88 STEPS

UNION STREET
- 55'
- 97 STEPS
OVERLOOK WALK
UPPER LANDING
OVERLOOK WALK
SALISH STEPS

KEY

+34'

+16'

ELLIOTT BAY
HABITAT BENCH
LPS + SALMON CORRIDOR
PROMENADE
SALISH STEPS
LANDING
OVERLOOK WALK
SALISH STEPS
OVERLOOK WALK
SALISH STEPS
OCEAN PAVILION

- Conservation Mission
- Aquarium Campus
- Inclusive Exhibit Experience
- Sustainability
- Program Organization
- Integration with Urban / Waterfront context
- Showcase Animal Care
- Shoreline Experience / Materials
- Public Exhibit Access
- Public Art
SEATTLE AQUARIUM CONSERVATION MISSION
WASHINGTON WATERS

INSPIRING
CONSERVATION OF OUR
MARINE ENVIRONMENT
“Many people around the world may never get to the experience the underwater, even those of us who live at the water’s edge. How can we help the public connect emotionally to our blue planet, and actually imagine themselves inextricably tied to it?

- Tom Hennes, Thinc Design
WE ARE IN A RELATIONSHIP WITH THE OCEAN

The Ocean Pavilion redefines “aquarium” for the 21st century

- A model of a thriving human culture, a community of care, that fosters a thriving ecology
- Exhibits that develop empathy towards wildlife and inspire wonder for life creating the conditions for life on our planet
- A landmark site that acknowledges Coast Salish lands and waters and the vital role of Indigenous knowledge in our future ocean
- An inclusive space that “meets people where they are” with a full range of living, immersive, and interactive experiences
- An open invitation for learning, sharing, and caring for our world ocean
CORAL CANYON ECOSYSTEM
EXHIBIT VANTAGE POINTS
SUSTAINABILITY DESIGN

DESIGN IMPACTS ON GHG EMISSIONS
Eliminating boilers and relying on electric heat reduces the amount of carbon released into the atmosphere and the causation of ocean acidification

NO FOSSIL FUELS
Project avoids use of greenhouse gas emitting fossil fuels

SUSTAINABLE MATERIALS
Reduced PVC piping and eliminated materials harmful to marine environment (vinyls, zinc, copper, mercury, etc.)

MINIMAL REFRIGERANTS
Heating and cooling are distributed with water throughout the building

CONSERVATION MESSAGING
Exhibits and interpretive elements focus on marine conservation

ENHANCED CONNECTIVITY
Public stairs connect the waterfront and the downtown core.

CONNECTION TO NATURE
Exhibits integrated with habitat in the bay

SUSTAINABILITY TARGETS
LEED Gold
70% Energy Use Reduction
95% Carbon Emissions Reduction (based on similar aquariums)

PUBLIC OPEN SPACE
Green roof with native plantings reduces storm water runoff

BUILDING ENVELOPE
High performance glazing and building envelope

BUILDING METERING
Metering of energy categories to track building performance

EMBODIED CARBON REDUCTION
Low carbon concrete and rebar
Wood siding

LIFE SUPPORT SYSTEMS
Building heating/cooling and animal life support systems share energy and recover heat from each other;
Semi-closed system conserves water and energy

DAYLIGHTING
Windows bring natural light into aquarium reducing need for artificial lights

WATER EFFICIENCY
Low Flow Flush Fixtures

LIGHTING
Daylight Control;
Power densities below stringent Seattle Energy Code

BIOPHILIA
Exhibit vegetation brings biophilia indoors promoting human health and well-being
ANNUAL CARBON EMISSIONS

- 500 Metric tons of carbon
- 400 Metric tons of carbon
- 300 Metric tons of carbon
- 200 Metric tons of carbon
- 100 Metric tons of carbon

2030 Baseline
Baseline Gas Heated Building
Ocean Pavilion

80% Reduction
95% Reduction
2030 Challenge