PCC Dental Program Fourth and Montgomery

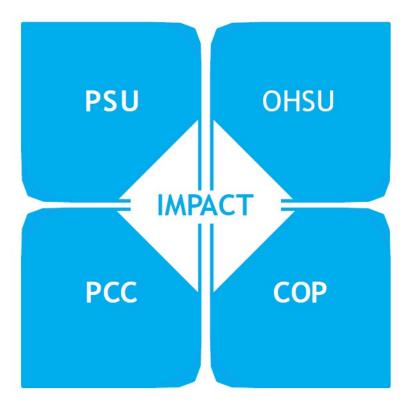


Overview

- Health Professions planning since 2013
- Multiple site options considered
- Funding from 2008 Bond Program
- Total project cost: \$20.9M with \$8M from State/CCWD
- Downtown location provides increased transit options for clients and students



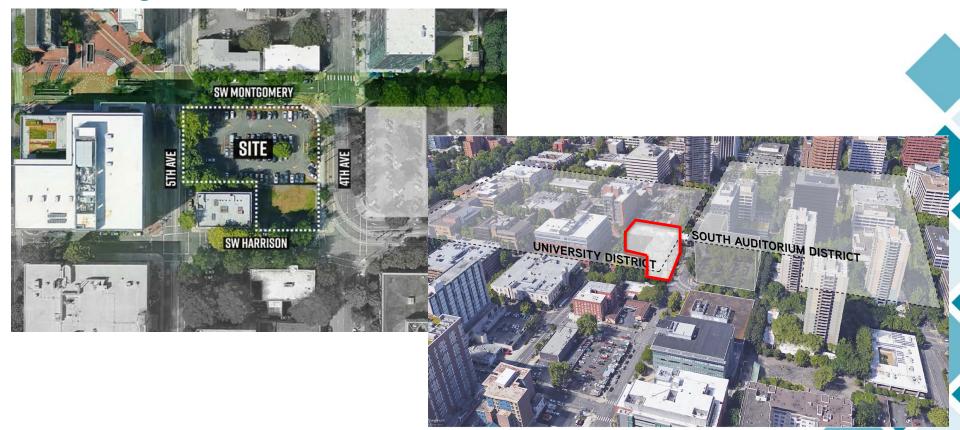
Project Mission







Building Location



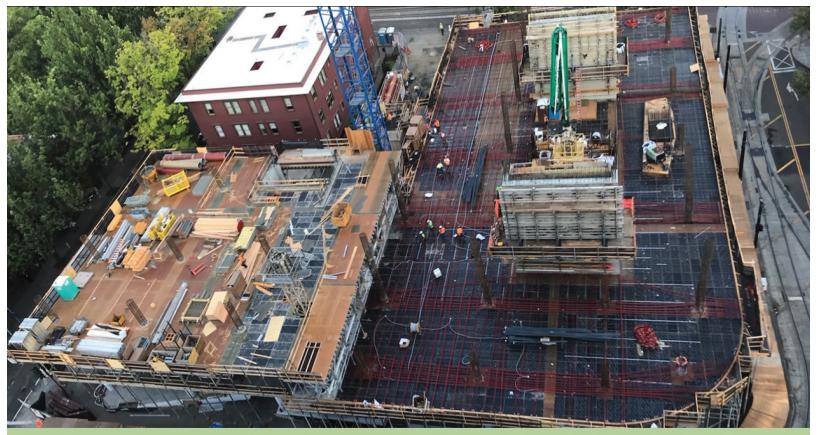








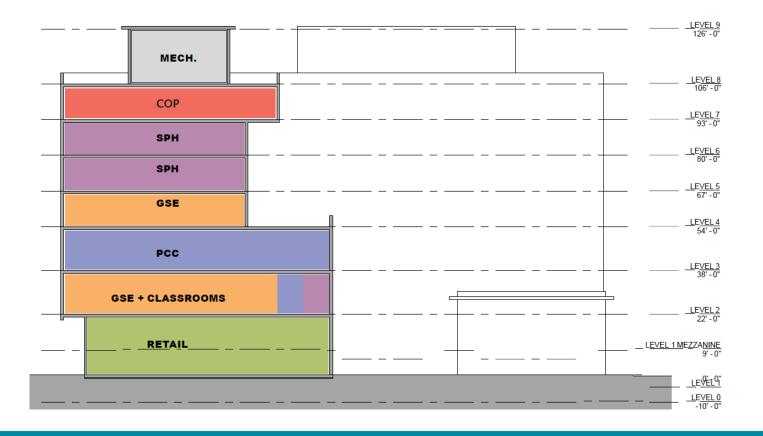




• Site Aerial



Building Stacking



Portland Community College

Wayfinding and Interior Colors

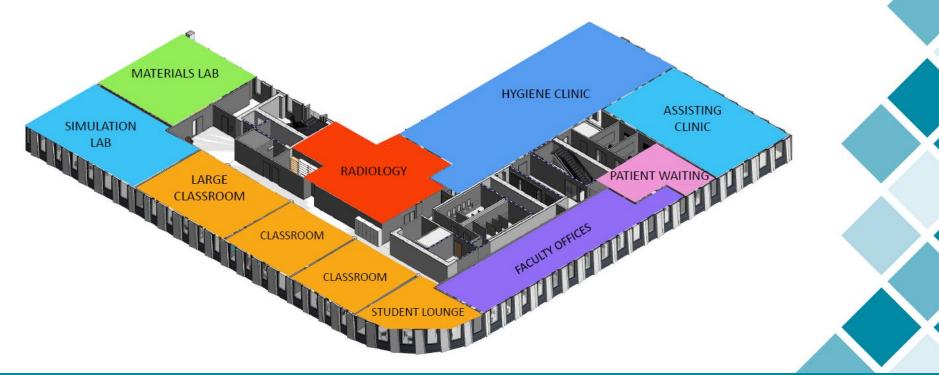








Dental Floor Layout





Dental Clinic – Interior Rendering





Sustainability Update

BRIGHTW RKS



| | 6 | 4 | Sustaina | ible Sites | 10 Points Poss | ible |
|-----------|---|---|------------|---------------------------------|----------------------------|------|
| Andersen | Y | | C Prereg 1 | Construction Activity Pollution | Prevention | - |
| M/R + SRG | 1 | | Credk 1 | Site Assessment | | 1 |
| M/R | 2 | | Credt.2 | Site - Restore Habitat | 30% of site (L8 greenroof) | 2 |
| | | 1 | Credit S | Open Space | | 1 |
| | | 3 | Credt A | Rainwater Management | | 3 |
| M/R + SRG | 2 | | Credit 5 | Heat Island Reduction | Roof & Non-roof | 2 |
| Biella | 1 | | Credit 6 | Light Pollution Reduction | | 1 |

| | | 7 | 4 | Water E | fficiency | 11 Points Poss | ible |
|---|-----|---|------------|------------|----------------------------------|----------------------------|------|
| ſ | M/R | Y | | d Prereg 1 | Outdoor Water Use Reduction, 305 | 6 | |
| | PAE | Y | 994. Mills | f Prerog 2 | Indoor Water Use Reduction, 20% | | - |
| | PAE | Y | | d Prerog 3 | Building-Level Water Metering | | - |
| | M/R | 1 | 1 | Credit 1 | Outdoor Reduction, 50% - 100% | Reduced 50% | 2 |
| 1 | PAE | 3 | 3 | Credit 2 | Indoor Reduction, Regl @ 40% | Reduced 37.0% | 6 |
| 1 | PAE | 2 | | Credit 3 | Cooling Tower Water Use | No cooling tower | 2 |
| | PAE | 1 | | Credt 4 | Water Metering | sub-meter 2 water end-uses | 1 |

| | 20 | 4 | 1 | 8 | Energy & | Atmosphere 33 Points Poss | ible |
|--------|----|---|---|---|------------|--|------|
| McKin | Y | | | | C Prereg 1 | Fundamental Commissioning and Verification | - |
| PAE | Y | | | | d Prerog 2 | Minimum Energy Performance | - |
| PAE | Y | | | | d Prereq 3 | Building-Level Energy Metering | - |
| PAE | Y | | | | d Prerog 4 | Fundamental Refrigerant Management | - |
| McKin | 5 | | | 1 | Credit 1 | Enh. Cx Enh Cx 3 pts Envelope 2 pts Monitoring -based 1 pt | 6 |
| PAE | 13 | 2 | 1 | 2 | Credit 2 | Optimize Energy Performance 32% = 13 pts, 38% = 15 pts | 18 |
| | | | | 1 | Credr 5 | Advanced Energy Metering | 1 |
| | | | | 2 | Credit 4 | Demand Response Reg'l D.R.P. Available | 2 |
| PAE | 1 | | | 2 | Credit 5 | Renewable Energy, Regl @ 5% 1%, 5%, 10% | 3 |
| PAE | 1 | | | | Credit 6 | Enhanced Refrigerant Management | 1 |
| Owners | | 2 | | | Credit 7 | Green Power ~ \$9,000 (one time purchase) | 2 |

| LEAD | Yes | 79 | ?N | No | | | | |
|------------------|-------------|----|----|----|------------|---|-------------------------|-------|
| | 4 | | | 9 | Materia | s & Resources 13 P | oints Pos | sible |
| SRG | Y | | | | E Prereg 1 | Storage & Collection of Recyclables | | |
| Andersen | Y | | | | C Prereq 2 | Construction & Demolition Waste Mgmt. Planning | | - |
| | | | | 5 | Creat 1 | Building Life-Cycle Impact Reduction Whole Bu | | 5 |
| BW + And | 1 | | | 1 | C Credit 2 | v4.1 Building Products: EPD's Opt 1 | -20 EPD's | 2 |
| | | | | 2 | C Creste 1 | Building Products: Raw Materials Reg'l Opt 2 -Respons. | | 2 |
| BW + And | 1 | | | 1 | Credit 4 | v4.1 Building Products: Material Ingredients Opt 1 - 20 D | Disclosures | 2 |
| Andersen | 2 | | | | C Credit 5 | Construction & Demolition Waste Management Divert 75% & | 4 streams | 2 |
| PAE | S Y Y | 2 | 1 | 8 | d Prereg 1 | Minimum IAQ Performance ASHRAE 62.1 and OSA flow | oints Pos v monitors | - |
| SRG SRG + PAE | Y 1 | | | 1 | Prereg 2 | Environmental Tobacco Smoke (ETS) Control Enh, Indoor Air Quality MERV13, entries, contam sep. & | C02 mon | 2 |
| BW + And | 2 | 1 | | | C Credit 2 | v4.1 Low-Emitting Materials 3 product categories = 2 pts, | | 3 |
| Andersen | 1 | | | | C Credit 3 | Construction Indoor Air Quality Management Plan | | 1 |
| Andersen | | | 1 | 1 | C Credit 4 | Indoor Air Quality Assessment Flushout 1 pt, IAQ Testing 2 | pts (max.) | 2 |
| | | | | 1 | d codes. | Thermal Comfort ASHRAE 55 & Controls 100% shared + | | 1 |
| Biella | 1 | | | 1 | Credit 6 | Interior Lighting Controls 1 pt = Yes; Quality : | 1 pt = ?Yes | 2 |
| SRG + BW | | 1 | | 2 | Credk 7 | v4.1 Daylight Measure 1x: 300 - 3000 lux for 55 | % Reg-occ. | 3 |
| | | | | 1 | E Gredt 8 | Quality Views 75% of regularly- | | 1 |
| | | | | 1 | Conde 1 | Acoustic Performance | | 1 |

| | 6 | Innovation & Design Process 6 Points Po | ssibl |
|--------------|---|---|------------------|
| SRG + And | 1 | I Deat La Exempl. Perf. Ingredient Disclosures (40) and/or Biophilic Design (Exempl | <mark>a</mark> 1 |
| Owners | 1 | E Credit 3.2 Innovation Integrated Pest Mgt AND Green Cleaning (or Other) | 1 |
| SRG + BW | 1 | Order 3.3 Innovation WELL Building: Beauty and Design | 1 |
| SRG + Owners | 1 | Green Building Education (tell the sustainability story) | 1 |
| SRG | 1 | Ordet 1.5 Pilot Credit: Biophilic Design | 1 |
| BW | 1 | C Dredt 2 LEED TM Accredited Professional | 1 |

| | 1 4 97204 | | Regional Credits | | 4 Points Possib | |
|----------|--------------|--|------------------|--------------|--|---|
| | | | | zip code | | |
| | | | 1 | C Dedt 1.1 | | 1 |
| | | | 1 | Cords 1.2 | EA: Renewable Energy, 2 pts 5% | 1 |
| BW + And | 1 | | | C Oredit 1.3 | MR: Building Products, EPDs, 1 pt | 1 |
| | | | 1 | C Credt 1.4 | MR: Building Products, Sourcing of Raw Materials, 1 pt | 1 |
| | | | 1 | Crede 1.5 | WE: Rainwater Management, 3 pts | 1 |
| | | | 1 | Conde 1.6 | WE: Indoor Water Use Reduction, 4 pts, 40% | 1 |

Goal: Gold (min 60 pts) **Tracking:** Gold

Yes: 62 ?Yes: 6 ?No: 2

Documentation Status





SRG Design Team MWDESB + Workforce Diversity

Current:

• 19.6% MWDESB of Total Contracted Design Phase Services

MWDESB Participation:

- 74% Woman-Owned Business Enterprise
- 3% Minority-Owned Business Enterprise
- 23% Emerging Small Business

Goal:

• 20% MWDESB of SRG Negotiated Contracts



Construction Team MWDESB – Business Equity • Goal: 20% MWDESB • Commitments to Date: = 19.8% (\$13.5 Million) • GC Projection: 20.5% MWDESB (\$14.3 Million)

Methodology and logic used in calculations has been submitted and is being verified with the City of Portland.



Innovative Ideas

Andersen Construction:

- Building Mock-Up/Sleeping Pods
- Craft Women's Lunch
- MWESB Survey and Lunch



Design Update

Mock-Up Update - Appearance







Design Update

Mock-Up Update - Interior







Collaborative Innovations

May 2019

Mock Up – Sleeping Pod:

- Transformed normal mock up into a sleeping pod
- Will be donated to Catholic Charities
- Will be sent to future homeless camp.



First Craft Lunch – Female ASI Craft Workers

Purpose – How they feel about working with us? Things that they think we are doing well and things that we can improve upon.

Results

- 5 women participated from the ASI concrete crew.
- All agreed on feeling appreciated, safe and included.
- Andersen is their first choice to work with.
- Working with us they mostly appreciate the team environment at their job site and that they feel like they are part of the Andersen Family.
- They would like to see more women on their job site.
- They would like to have child care available for apprentices.
- They would like Andersen to reach out to high schoolers and make them aware of the Construction Industry jobs as a career opportunity for their future.



Schedule Milestones

Construction:

- 12/2/2018 Construction Start
- 10/31/2020 Construction Finish

Occupancy:

- December 2020 Dental Program Moves In
- January 2021 Winter Term Start



Thank you! Questions?

