

2030 COMMITMENT UPDATE

APRIL 6, 2023



Image: Arts Plaza Apartment Housing



INTRODUCTION



COMPANY TIMELINE



PROJECTS MODELED



UPLOADING REPORTING



MOVING FORWARD



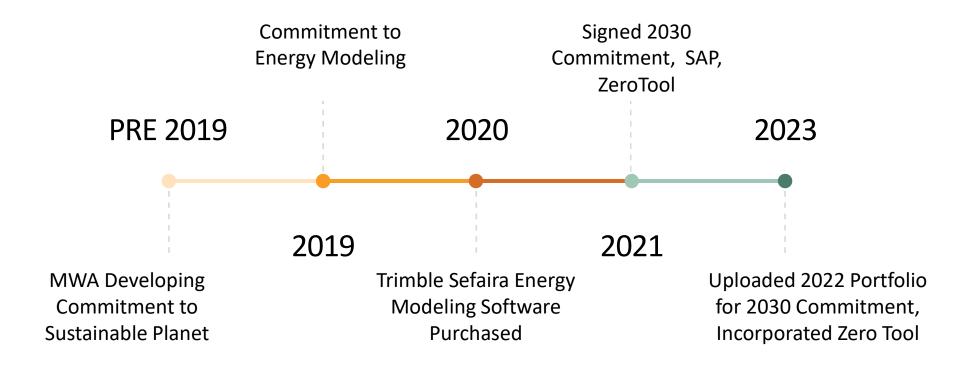
INTRODUCTION

Oregon State Grad – BS in Interior Design

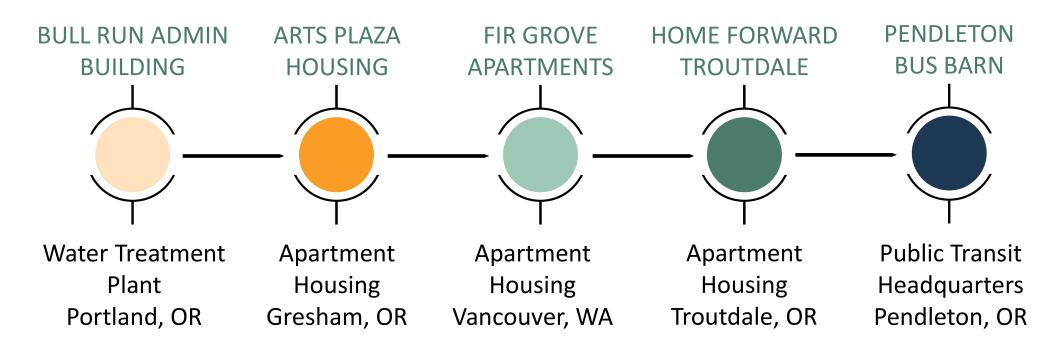
MWA Sustainability Studio – Interior Designer

"A society in which all benefit from beautiful and healthy architecture."

MWA 2030 TIMELINE



HIGHLIGHTED PROJECTS



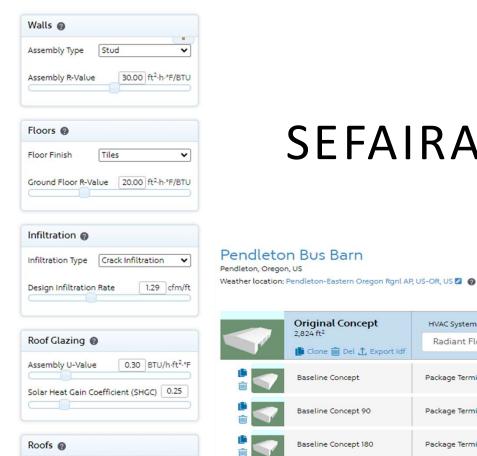


ENERGY MODELING

- 1. Tag all elements and simplify models
- 2. Upload to Sefaira to calculate pEUI



Image: Arts Plaza Apartment Housing



Metal Deck

49.00 ft2-h-°F/BTU

Roof Type

Roof R-value

Pendleton Bus Barn

Original Concept

Baseline Concept

Baseline Concept 90

Baseline Concept 180

Baseline Concept 270

Original w/ Solar

Clone
☐ Del
☐ Export Idf

Pendleton, Oregon, US

SEFAIRA WEB APP

HVAC System Type 🔞

Radiant Floor

Package Terminal AC

Package Terminal AC

Package Terminal AC

Package Terminal AC

417 (cfm)

A 80%

A 85%

∧ 85%

∧ 85%

754

775

775

775

417

9.5 ton

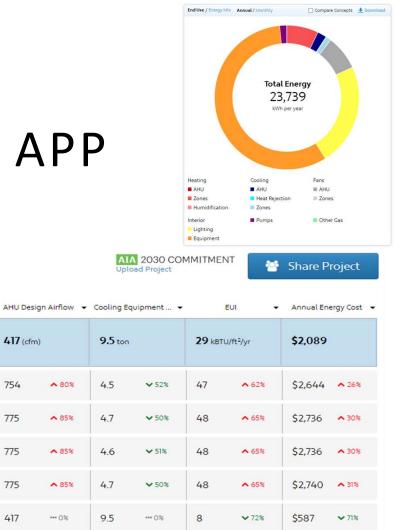
4.5

4.7

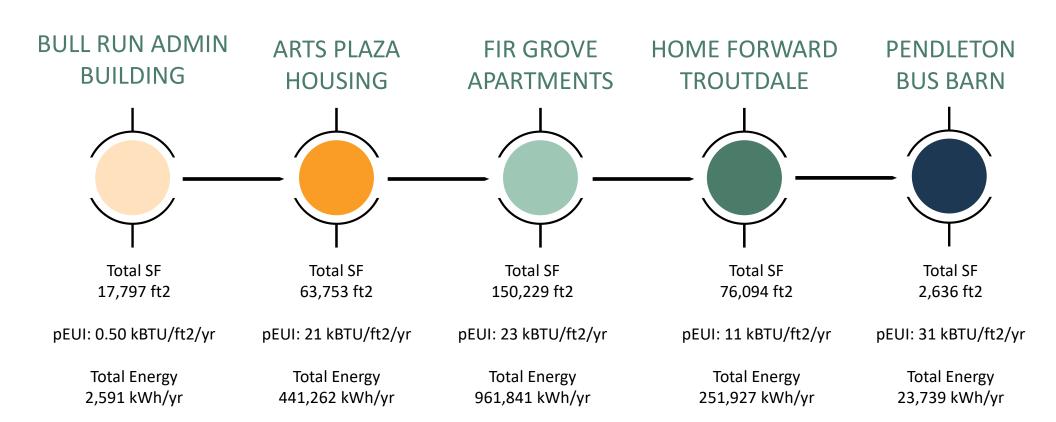
4.6

4.7

9.5



RESEARCH FINDINGS

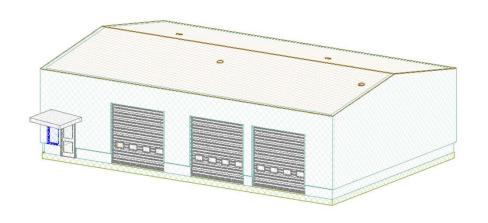


THEMES



- Average reduction 51%
- Passive energy conservation
 - Insulating materials
 - High performance windows
- Implement renewable energy

MOVING FORWARD



- Implement models at every stage
 - 30%
 - 60%
 - 90%
 - 100%
- Track project status in Airtable with Marketing team

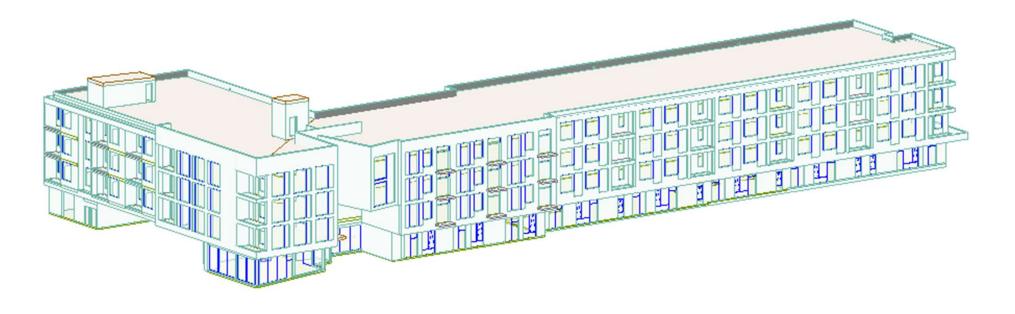
Image: Pendleton Bus Barn

MOVING FORWARD



- Building effect on interiors
 - Daylighting
 - Air quality/Ventilation
 - Thermal comfort
- Occupant well-being

Image: Arts Plaza Apartment Housing Render



THANK YOU



Image: Arts Plaza Apartment Housing