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22 February 2023

Eugene City Council Presentation:

Eugene Airport
Advanced Terminal Planning Study

1

Here Today

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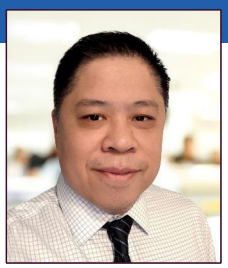

Mark Ip, AIA LEED PMP

Project Manager
Terminal Planning
& Architecture

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Environmental
Specialist

Frank Gratton, AIA

Aviation Architecture
Design Director

2

Agenda

- Project Overview
- Sustainability Business Strategy
- Stakeholder Engagement
- Study Recommendations
- A Look Ahead

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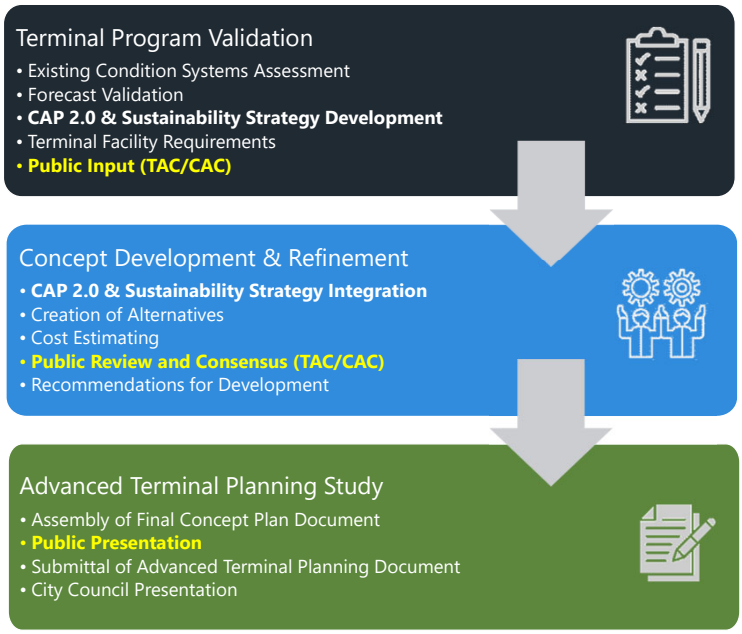
3

Project Overview



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4

Project Overview

Terminal Program Validation
- Existing Condition Systems Assessment
- Forecast Validation
- **CAP 2.0 & Sustainability Strategy Development**
- Terminal Facility Requirements
- **Public Input (TAC/CAC)**

Concept Development & Refinement
- **CAP 2.0 & Sustainability Strategy Integration**
- Creation of Alternatives
- Cost Estimating
- **Public Review and Consensus (TAC/CAC)**
- Recommendations for Development

Advanced Terminal Planning Study
- Assembly of Final Concept Plan Document
- **Public Presentation**
- Submittal of Advanced Terminal Planning Document
- City Council Presentation

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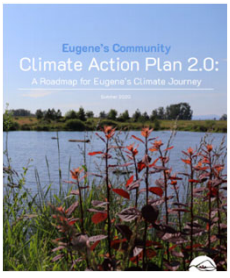
5

Sustainability Business Strategy



The Climate Recovery Ordinance

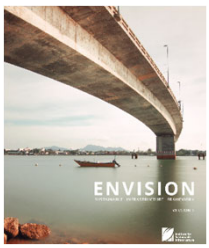
The Eugene City Council passed the Climate Recovery Ordinance (CRO) in 2014 and updated the ordinance in 2016 with a community-wide greenhouse gas emissions goal. The four climate goals in the CRO are:

1. **By the year 2020**, all city-owned facilities and city operations shall be carbon neutral, either by reducing greenhouse gas emissions to zero, or, if necessary, by funding of verifiable local greenhouse gas reduction projects and programs or the purchase of verifiable carbon offsets for any remaining greenhouse gas emissions.

2. **By the year 2030**, the city organization shall reduce its use of fossil fuels by 50% compared to 2010 usage.

Climate Challenge: High Level Goals and Elements

Goal: Contribute to achieving net-zero emissions by 2050 by accelerating airport GHG emission reductions through the expanded use, optimization, and piloting of ARP programs



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Three Guiding Principles

Quality of Life

Enhance community quality of life

Promote equity, accessibility, inclusivity

Resource & Environment

Reduce energy, water, and waste

Reduce impacts on environment

Climate & Resilience

Adaptable to future changes

Reduce greenhouse gas emissions

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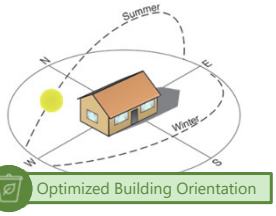
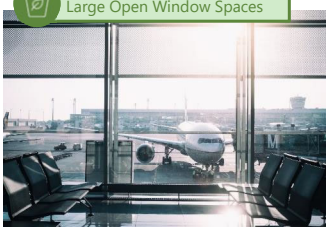
7

Early Sustainability Strategies

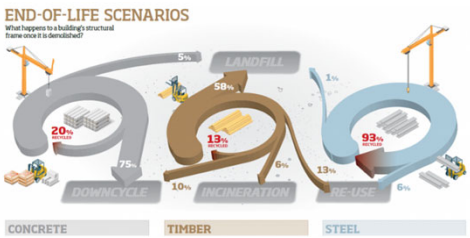


Optimized Building Orientation

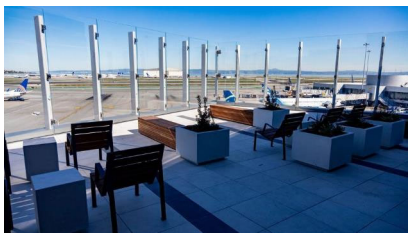


Large Open Window Spaces

Expanded Concession Space



Embodied Carbon Reduction



Open Outdoor Area

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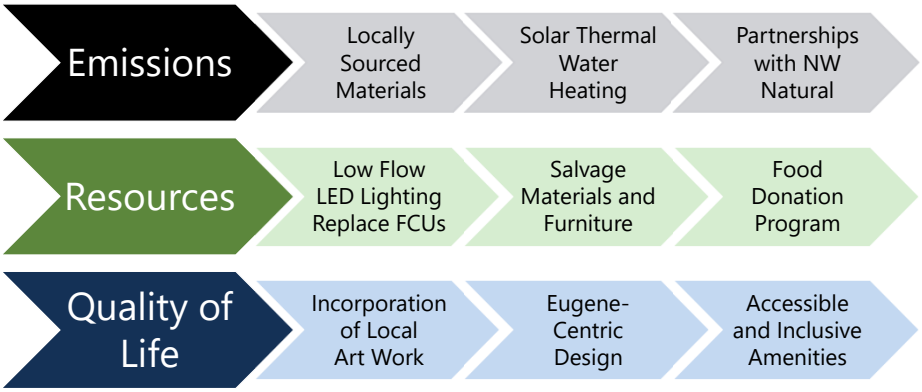
Examples of Opportunities to Integrate Sustainability*



**all opportunities to improve sustainability and resiliency are on the table to be fully vetted during the design process*

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9

Advisory Groups

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Technical Advisory Committee
- City of Eugene
- Oregon State University
- Airport Concessions
- Airport FBO
- TSA
- FAA
- Commercial Air Service Consultant

Community Advisory Committee
- Business Community Leaders
- Eugene Area Chamber of Commerce
- University of Oregon
- Airport Advisory Committee
- Tourism Industry Representatives
- Sustainability Commission

Airline Partners
- Southwest
- Delta
- American
- Allegiant
- Alaska
- Horizon
- United
- Avelo
- ExpressJet

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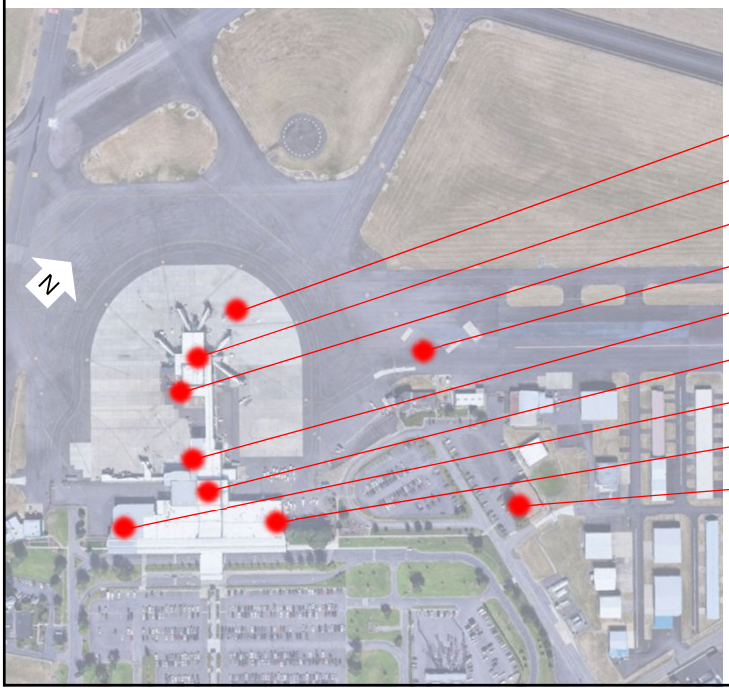
10



Existing Facility Considerations

- Additional Aircraft/Gates Required
- Departure Lounges Undersized
- Additional Concession Options Desired
- Additional RON Parking Required
- Vertical Circulation Requires Redundancy
- Passenger Screening Needs Space to Grow
- Baggage Claim Undersized
- Ticketing/Outbound Baggage Area Undersized
- Administration Space Undersized

- Charter Terminal Desired
- Additional Vehicle Parking Required

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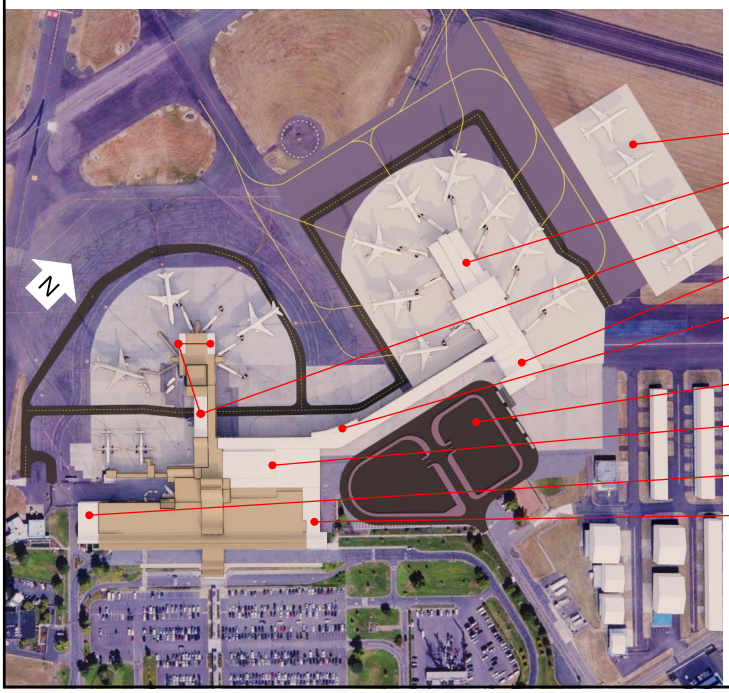
11



Planning Study Recommendations

- Future RON Parking
- Concourse C Expansion (8 Gates)
- Future Concourse A Expansions
- Charter Terminal
- Walkway with Passenger Experience Opportunities
- New Vehicle Parking
- Outbound Baggage Expansion/Admin
- Baggage Claim Expansion
- Ticketing Expansion/Modifications

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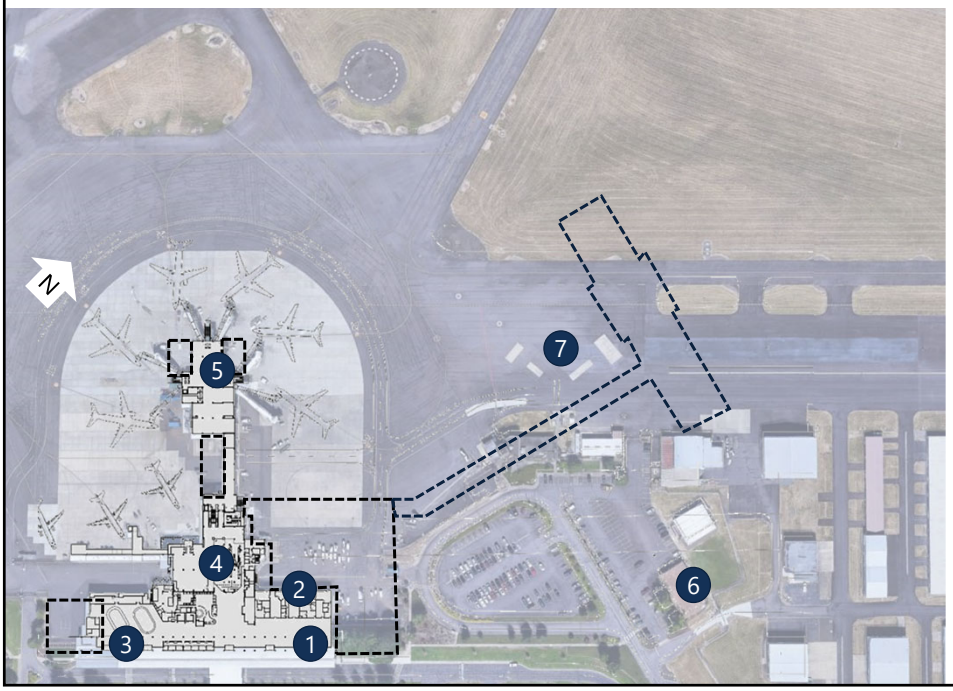
12



Existing

1. Ticketing Area
2. Outbound Baggage
3. Baggage Claim
4. Security Screening Checkpoint
5. Concourse A
6. Administration
7. RON Parking

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13

Proposed

1. Ticketing Expansion
2. Outbound Baggage Expansion
3. Baggage Claim Expansion
4. Charter Parking
5. Charter Access
6. Charter Terminal
7. Operations Space
8. RON Parking

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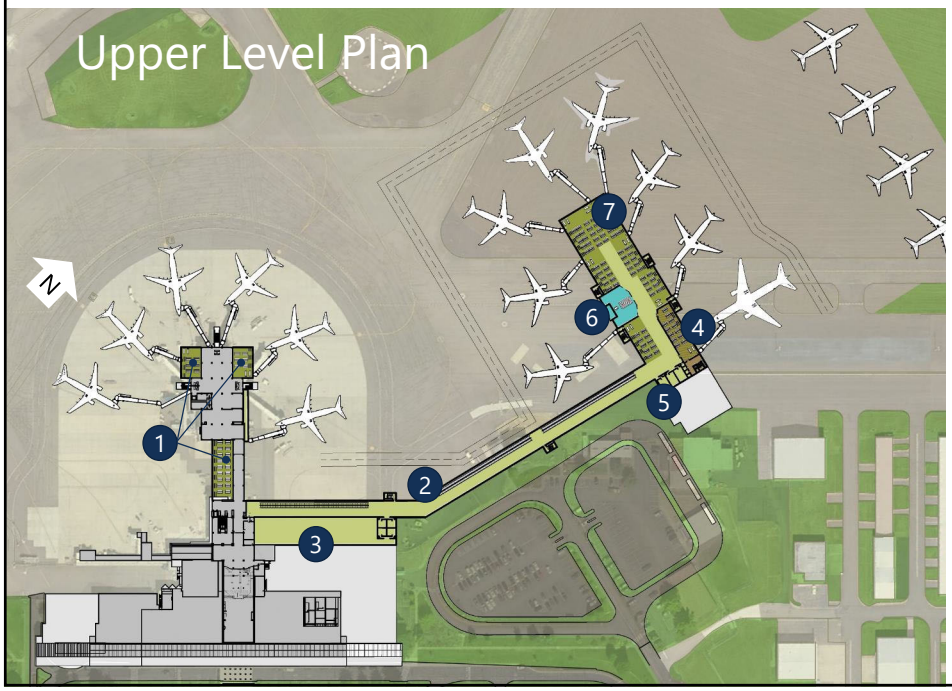
14



Proposed

1. Concourse A Expansions
2. Walkway
3. Administration
4. Charter/Swing Gate
5. Restrooms
6. Concessions
7. Departure Lounges

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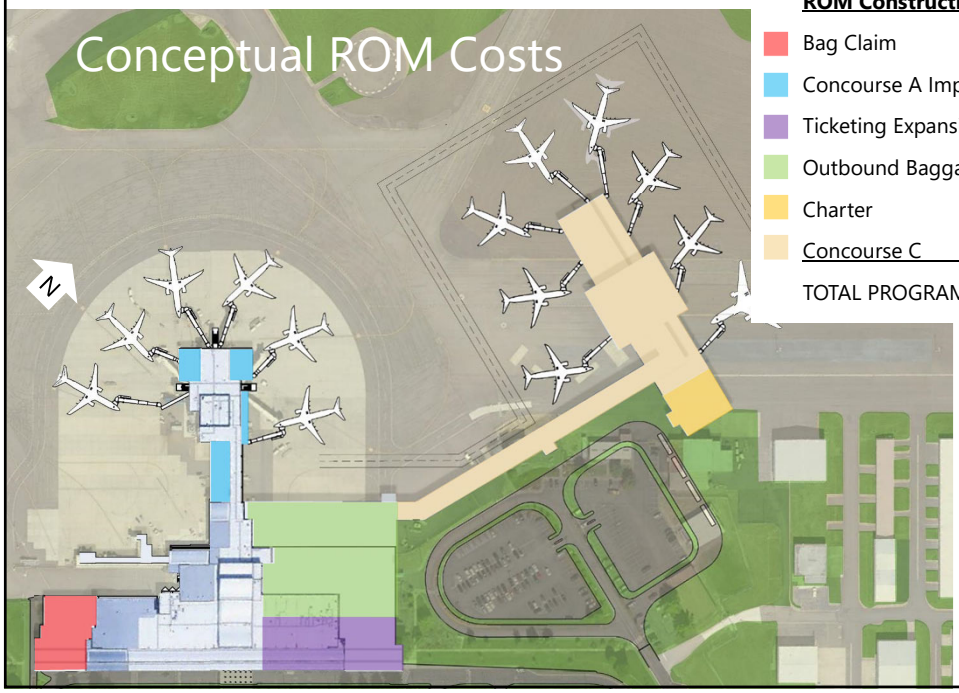
15



ROM Construction Costs Ranges

Bag Claim	$18.5M	$21.8M
Concourse A Improvements	$9.1M	$10.6M
Ticketing Expansion	$29.2M	$34.1M
Outbound Baggage/Admin	$42.7M	$49.9M
Charter	$7.7M	$9.0M
Concourse C	$125.4M	$146.6M
TOTAL PROGRAM	$232.6M	$272.0M

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16

A Look Ahead… **DESIGN**

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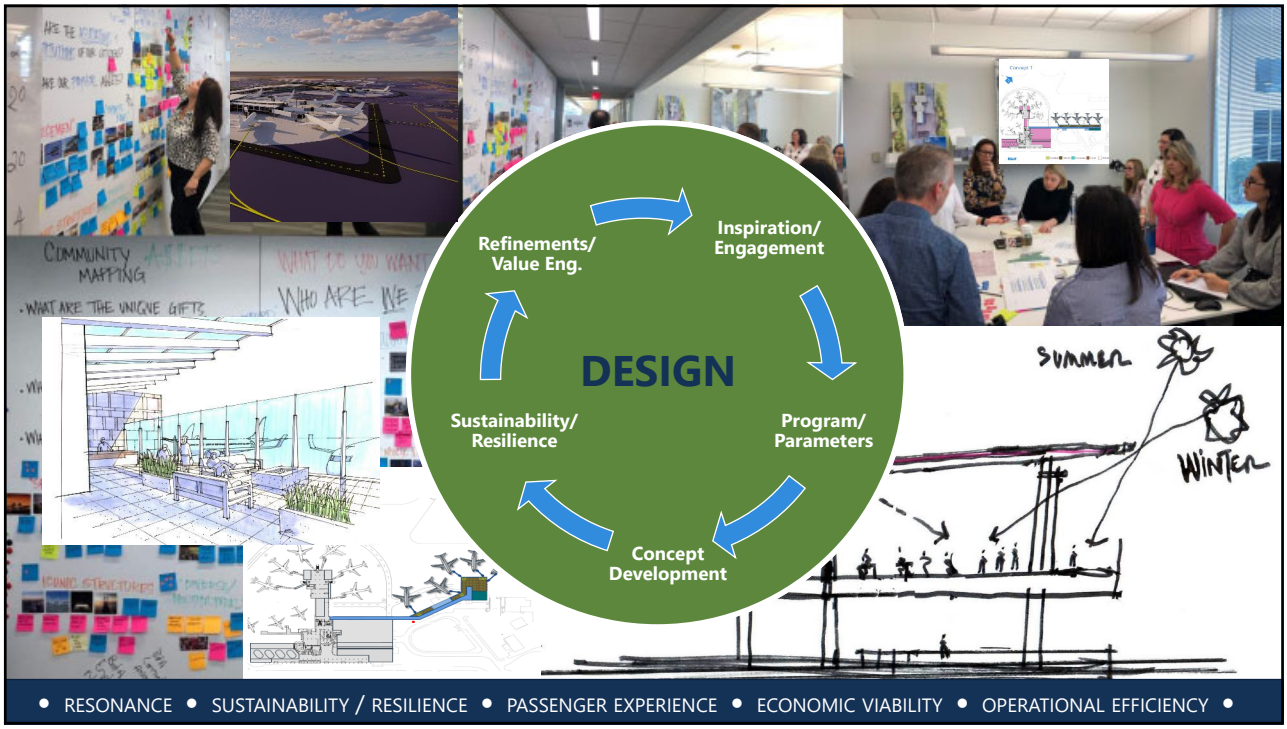
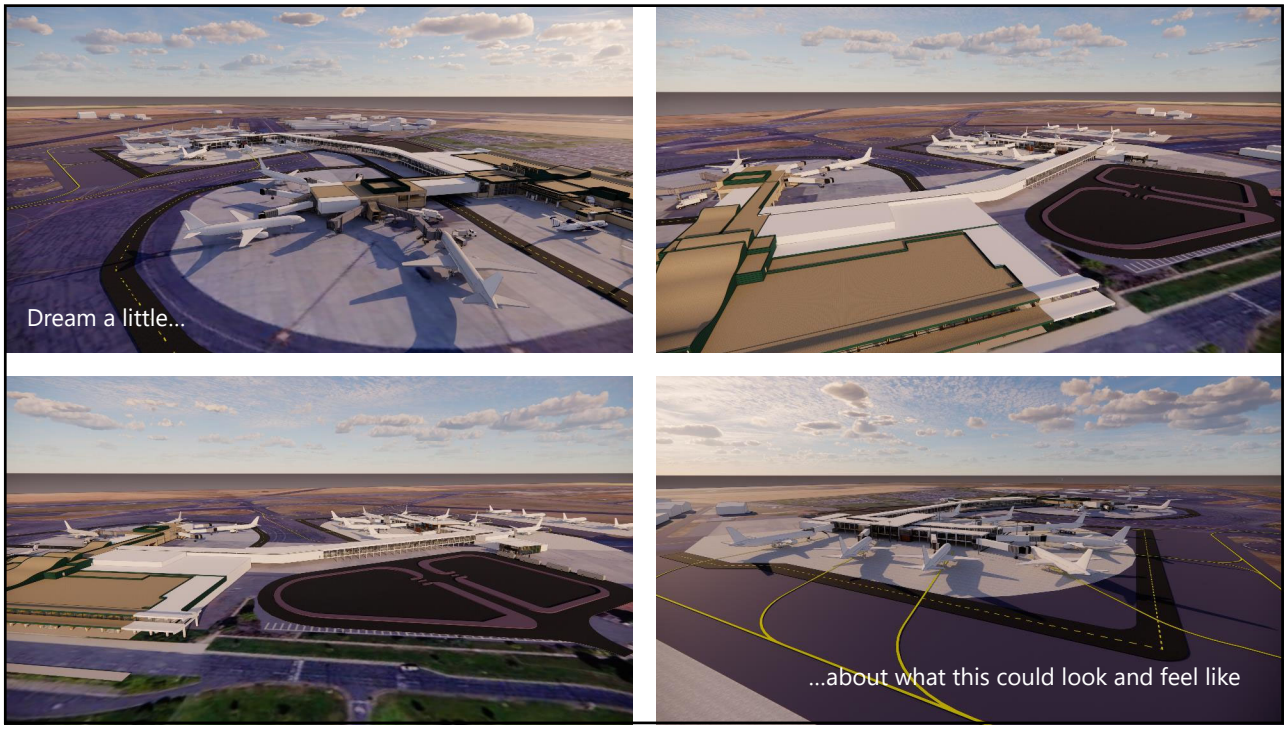
17

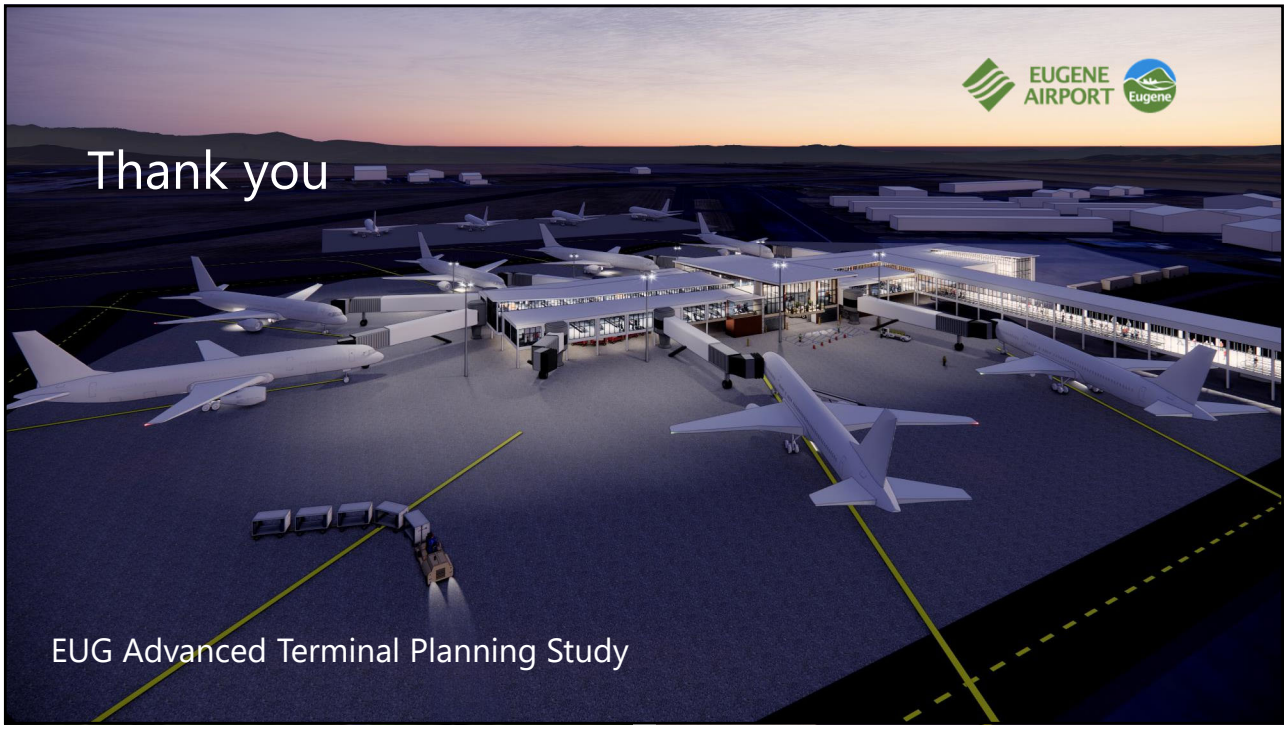
18


Refinements/
Value Eng.
Inspiration/
Engagement
DESIGN
Sustainability/
Resilience
Program/
Parameters
Concept
Development
COMMUNITY
MAPPING
SUMMER
WINTER
• RESONANCE • SUSTAINABILITY / RESILIENCE • PASSENGER EXPERIENCE • ECONOMIC VIABILITY • OPERATIONAL EFFICIENCY •

19


Dream a little…
…about what this could look and feel like

20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Eugene
Thank you
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21