

# South Satellite Infrastructure Upgrades

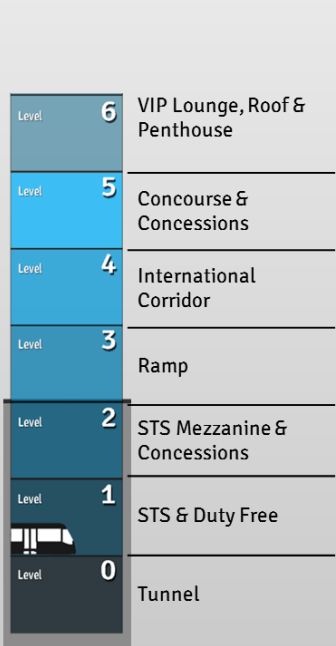
Commission Meeting  
June 12, 2018

# South Satellite

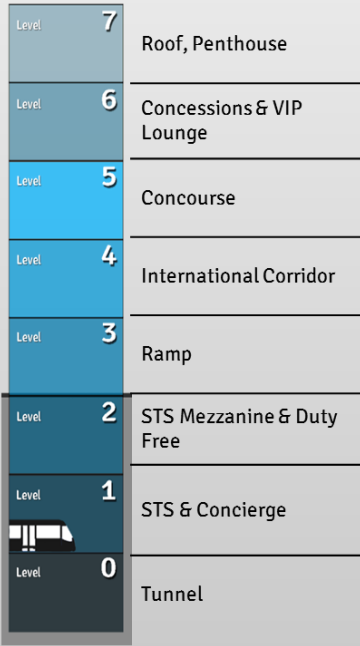


Single Aircraft at South Satellite in the early 1970's

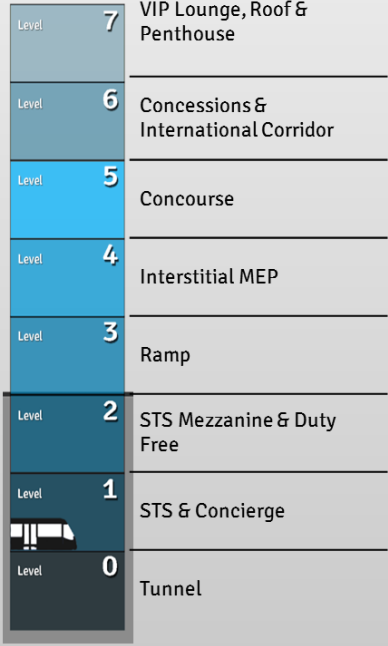
# Design Concepts for Full Renovation



BASELINE IMPROVEMENTS



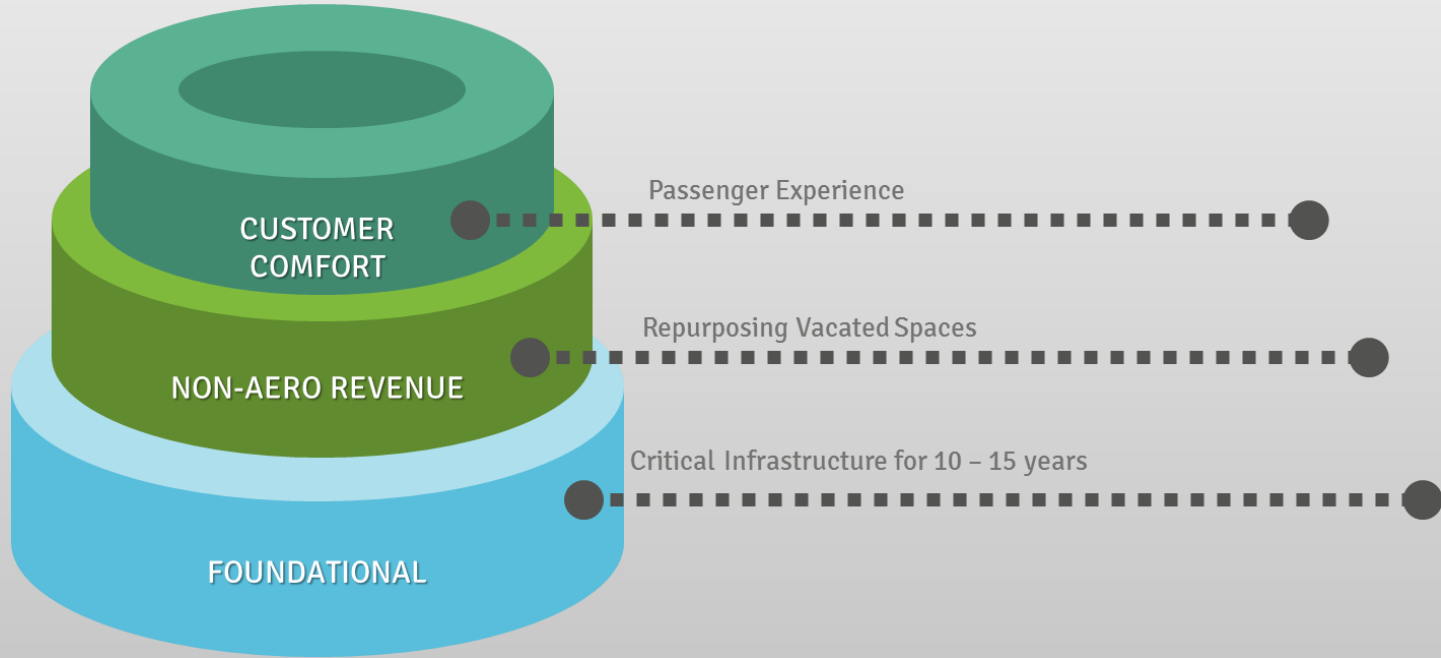
INTERNATIONAL CORRIDOR: LOW



INTERNATIONAL CORRIDOR: HIGH

Full Renovation: \$850M - \$1.6B

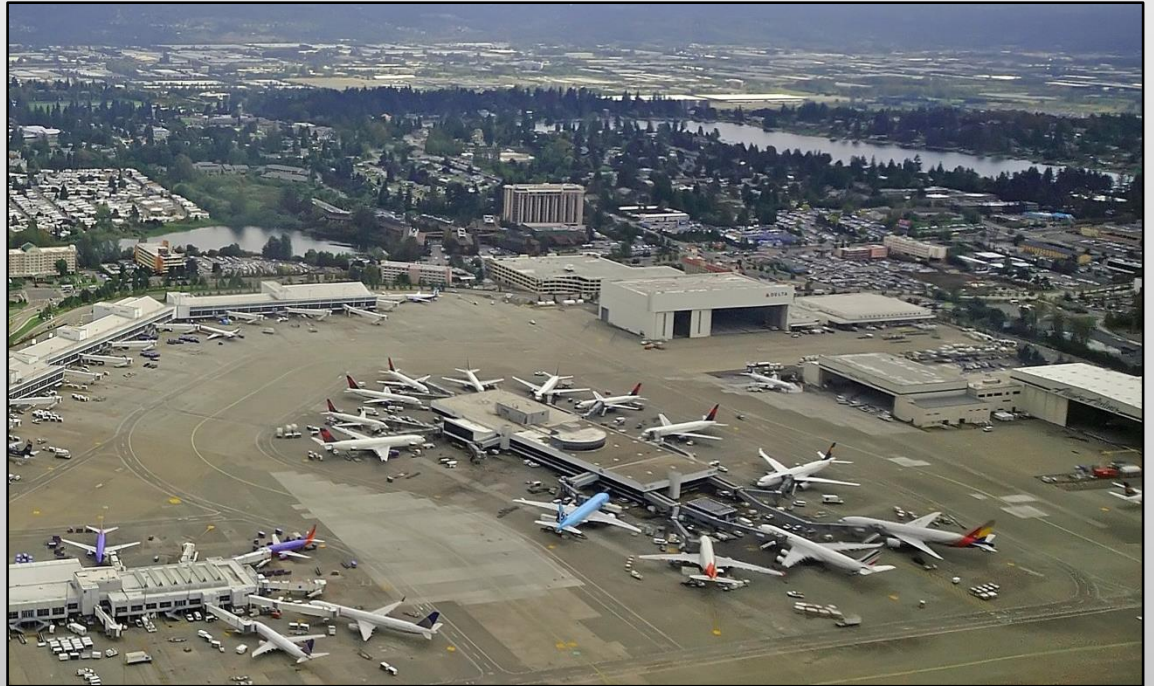
# Potential Interim Improvements



Areas being evaluated for potential investment in the near term.

# Next Steps

- Evaluate scope items
- Package scope
- Cost benefit analysis
- Return for Authorization



Staff will return for authorization of interim projects once all possible scope items have been evaluated.

# Integration of Proposed Project to Larger Renovations

Original

\$12/22 M

Original HVAC Project Scope:  
HVAC Only

\$850M - \$1.6B\*  
50 Year Building

Full Renovation of  
South Satellite

2018

2022

2028

Proposed

\$52 M

Expanded Project Scope:

- HVAC
- Lights & Ceiling
- Fire sprinkler system
- Signage
- Carpet
- Full abatement

\$ Price TBD

Interim Renovations:

Preserves work completed by  
proposed project

\$1.2B - \$2.2B\*\*  
50 Year Building

Full Renovation of  
South Satellite (Project Start)

\*conceptual estimates assuming completion in 2028  
\*\* additional escalation needs to be applied based on actual schedule

Proposed project will accomplish immediate needs that should be addressed, pending interim renovations.

# South Satellite

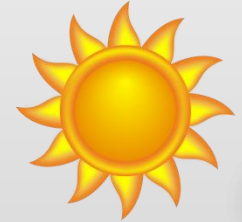
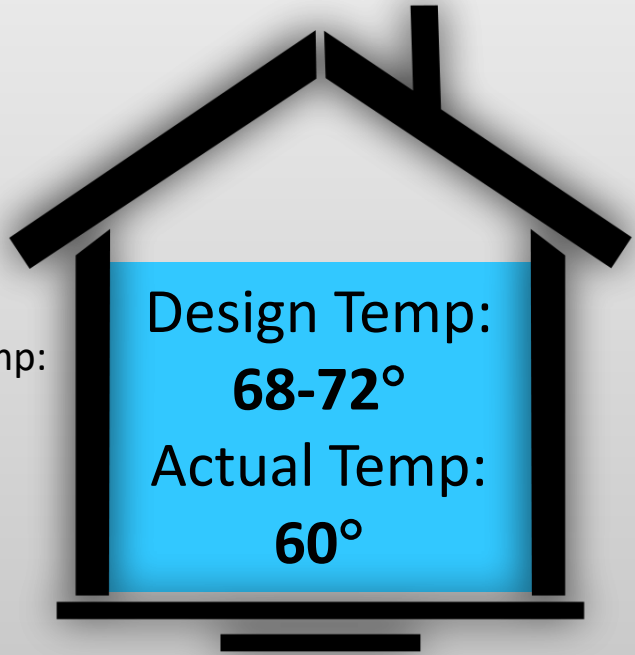


Design vs Use of 47 year old HVAC System

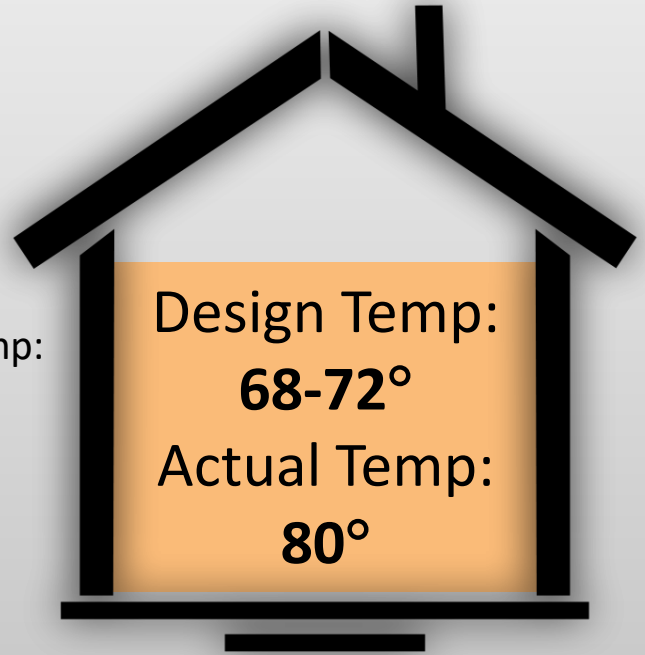
# HVAC Underperformance Affecting Passenger Experience



Outdoor Temp:  
30°



Outdoor Temp:  
85°



Immediate need - Heating, Ventilation and Air Conditioning is no longer working as designed



# HVAC Underperformance Limiting Non-Aero Opportunities



Project would deliver increased HVAC capacity for Airport Dining & Retail

# What the Project Accomplishes

- Improved Passenger Experience
- Project Supported by Airlines
- Reliability – new equipment
- Increased HVAC Capacity (including ADR)
- Reduce energy consumption (lighting and HVAC system)
- Asbestos removal
- Constructability

Improves Passenger Experience

# Equipment

## New, replacement equipment includes:

- HVAC air handler
- Cooling and heating coils and heating water piping
- Controls and variable frequency drives
- Terminal distribution boxes
- Diffusers
- Motor control center
- Light fixtures
- Electrical infrastructure for lights and signage
- Fire sprinkler system
- Signage
- Ceiling
- Carpet

Updates several pieces of outdated equipment

# Improved Passenger Experience at the South Satellite



Old vs. New Updated Ceiling

# Next Steps

- Commission Action - 6/26/18 for added scope approval
- Commission Action - 10/9/18 for budget increase and construction authorization
- Commission Briefing - Q4 2018 for update on other interim projects for the South Satellite

Six Month Look Ahead