



RESILIENCY IMPROVEMENTS TO CRITICAL AIRPORT INFRASTRUCTURE

INTRODUCTION BY:

Cris Eugster

Chief Operating Officer (COO)

PRESENTED BY:

Rudy Garza

Senior VP, Distribution Services & Operations

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Informational Update

AGENDA



- **GROWTH STATISTICS**
- **WHERE WE WERE**
- **PARTNERSHIP**
- **INTERIM STEP**
- **WHERE WE ARE**
- **PATH FORWARD**
- **FUTURE EXPANSION**



San Antonio International Airport

GROWTH STATISTICS

SAN ANTONIO INTERNATIONAL AIRPORT



As San Antonio grows so does the need for critical infrastructure such as the Airport.

Flight Traffic



- ~54% increase in non-stop flights

Passenger Traffic



- ~1M increase in passengers

WHERE WE WERE



Airport: 1980 aerial



Balloons in the OH line

- Single substation
- Overhead (OH) lines (some segments on the same pole)
- Airport terminals divided between 2 OH lines

More susceptible to outages due to line configuration.

DEDICATED SUPPORT & PARTNERSHIP



CPS Energy



Paula Gold-Williams
President & CEO



Dr. Cris Eugster
Chief Operating Officer

- **Rudy Garza**, Distribution Services & Operations
- **Paul Barham**, Del Eng Integ Planning Substation & Transmission
- **Richard Medina**, VP Grid Transformation & Engineering



Felecia Etheridge
Chief Customer Engagement Officer

- **Maria Garcia**, VP Community Engagement
- **Karma Nilsson**, Sr. Director Managed Accounts

City of San Antonio



Sheryl Sculley
City Manager



Carlos Contreras
Assistant City Manager



Russell Handy
Aviation Director

- **Loyce Clark**, Chief Asset & Planning Officer

CPS Energy President & CEO serves on the Airport Development Committee to study the capacity of the Airport and other travel assets.

INTERIM STEP



Line configuration in 2017/2018

- Converted OH line to underground (UG) line (yellow)
- Backup OH line (orange) out of separate substation
- UG line serves all critical load including baggage handling system & terminals

CPS Energy team worked collaboratively with the Airport.

WHERE WE ARE

CURRENT YEAR



Improved resiliency & reliability.



Final line configuration

- Industry leading Airport infrastructure
 - 2 dedicated UG lines
 - Multiple substations
- Increased focus on infrastructure security
- Project cost ~\$16M

PATH FORWARD

COLLABORATION



- Improved communication & maintenance coordination between partners
- Continue to collaborate with the Airport to enhance system resiliency (e.g., options for backup power supply)



Underground Construction & Maintenance Crew

Continued collaboration with Airport on resiliency & planning for future expansion.

FUTURE EXPANSION



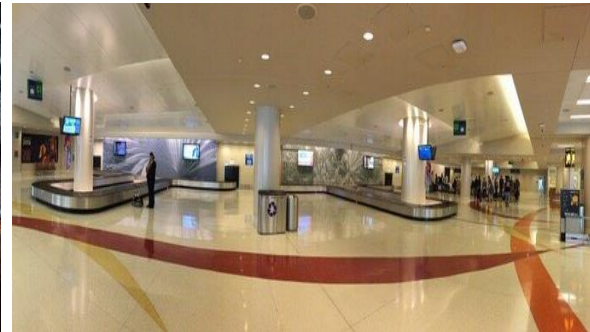
- Mayor's appointed committee considering long term growth plans
 - Potential new Terminal C & north property long range plan
 - Utilize industry best practices to support expansion plans



Airport Security



Airport Terminal



Baggage Claim



Thank You