

Item No.:
Meeting Date:

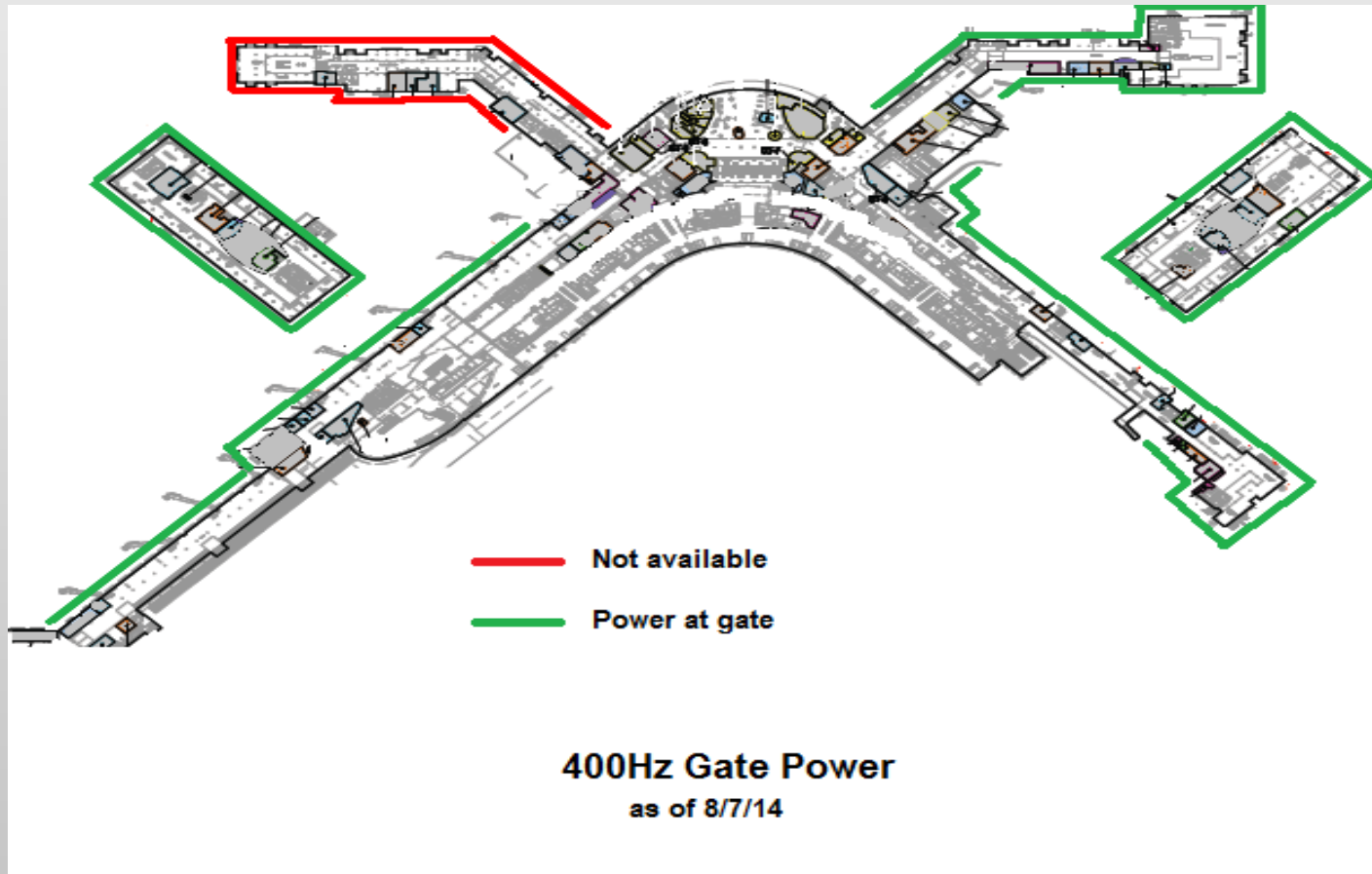
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December 8, 2015

Concourse B 400Hz Gate Improvements Project

CIP C800019

WP#U00171

Final Phase of 400Hz Gate Improvements Project

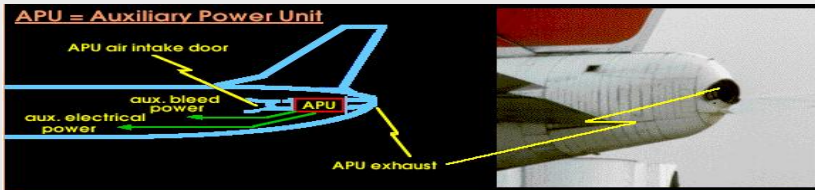


Project synopsis

- This project will install a Port owned and operated 400Hz motor generator ground power system & equipment to all 13 gates on Concourse B.
- Reduces noise and emissions from fossil fueled ground powered units and aircraft APUs



400Hz at B Gates today



Auxiliary Power Unit inside the aircraft



Auxiliary Power Unit outside the aircraft



400Hz Motor Generators at North Satellite (Proposed Alternative)



Project changes

- Original cost estimate to complete this project was; \$6,489,000.
- Updated cost estimate to complete this project is now; \$7,710,000.
 - Project was 100% designed in 2011. Since that time gates B1 and B4 have been added to the Concourse.
 - National Electric Codes (NEC) have changed.
 - Aircraft electrical ground power load requirements have changed.
 - Equipment costs and labor rates have increased.



Current project schedule update

- IC approves additional Capital budget 4th Quarter 2015
- Design complete 4th Quarter 2015
- Commission Authorization advertise & award 4th Quarter 2015
- Advertise 1st Quarter 2016
- Award 2nd Quarter 2016
- Construction start 2nd Quarter 2016
- Complete system “In use” 4th Quarter 2017



What this project will deliver to all Concourse B gates

