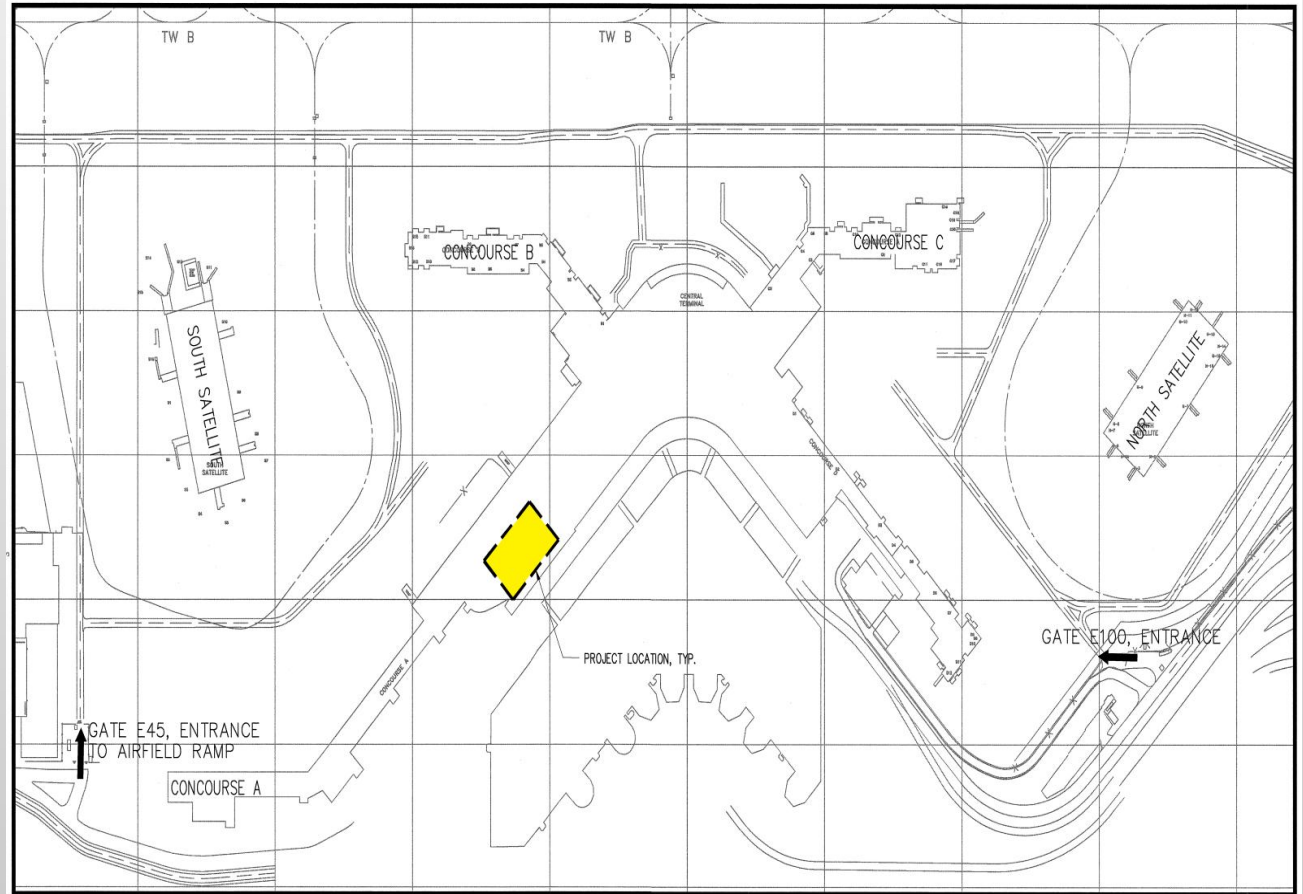


Item Number: 4e_supp

Date of Meeting: April 14, 2015

C4 UPS SYSTEMS IMPROVEMENTS **#800107**

Project Location: C4 STS LEVEL



PROJECT BACKGROUND

C4 UPS SYSTEM PROVIDES BACKUP POWER TO VARIETY OF LIFE-SAFETY, SECURITY, AND BUSINESS CRITICAL APPLICATIONS- INCLUDING 911 CENTER, AIRPORT COMMUNICATIONS CENTER AND 800MHZ RADIO SYSTEM.

SYSTEM IS OUTDATED AND HAS EXPERIENCED MULTIPLE FAILURES.

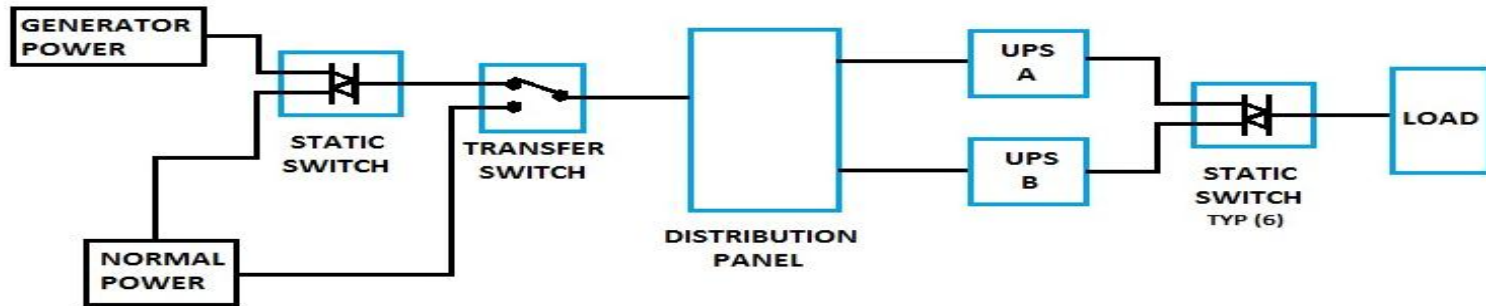
SYSTEM LACKS REDUNDANCY REQUIRED TO SUPPORT CRITICAL AIRPORT FUNCTIONS.

ONLY WAY TO CORRECT SYSTEM PROBLEMS IS TO REDSIGN AND REPLACE PORTIONS OF SYSTEM.

SYSTEM WAS REDESIGNED IN 2007 BUT DECISION WAS MADE NOT TO PROCEED WITH CONSTRUCTION AT THAT TIME. FAILURES WITHIN THE SYSTEM MAKE THE REPLACEMENT NECESSARY AT THIS TIME.

Alternative 1

Maintain Status Quo: \$0

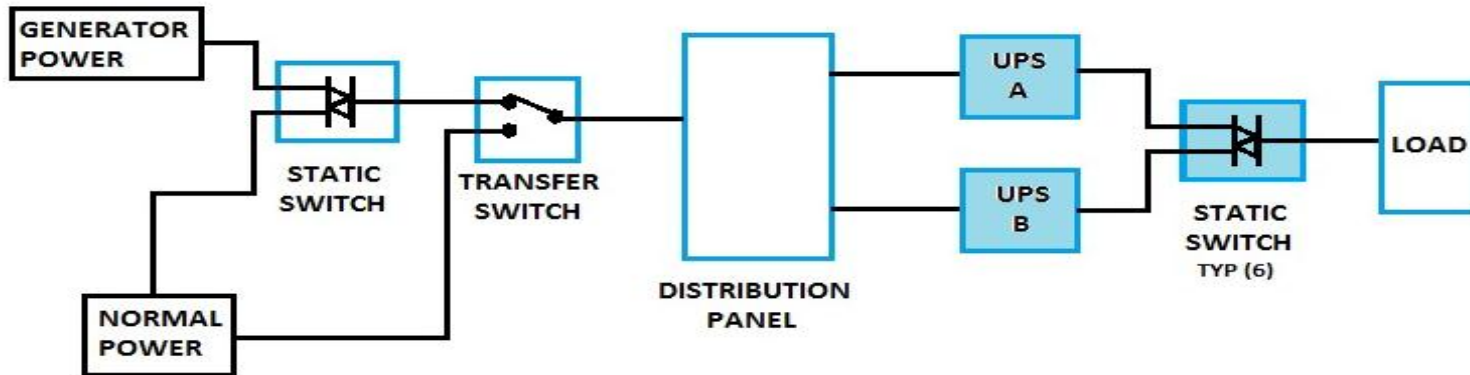


The existing system could fail and put the Port at unnecessary risk by not having the code required UPS to back up critical life safety, airport operations and business functions. Port could lose 911 certification.



Alternative 2

Replace in Kind: \$4,064,238

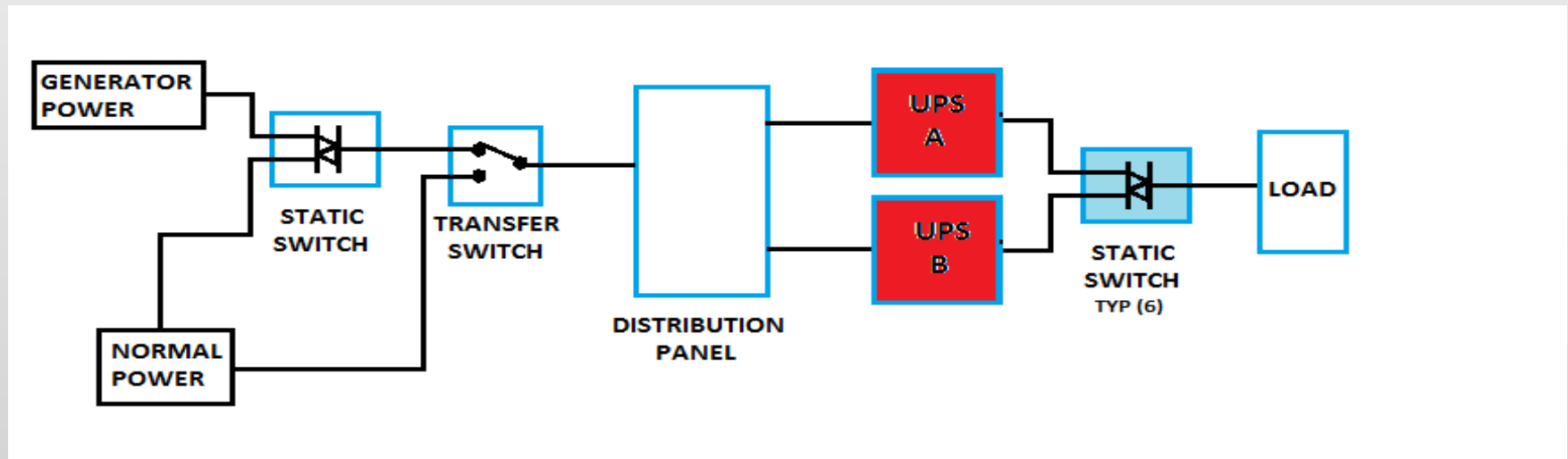


System lacks redundancy required to ensure adequate support of critical airport functions. Leaves single points of failure- no way to bypass problem and connect to emergency generator. This system is undersized for current and future growth.



Alternate 3

Replace with Upsized Equipment: \$4,147,238

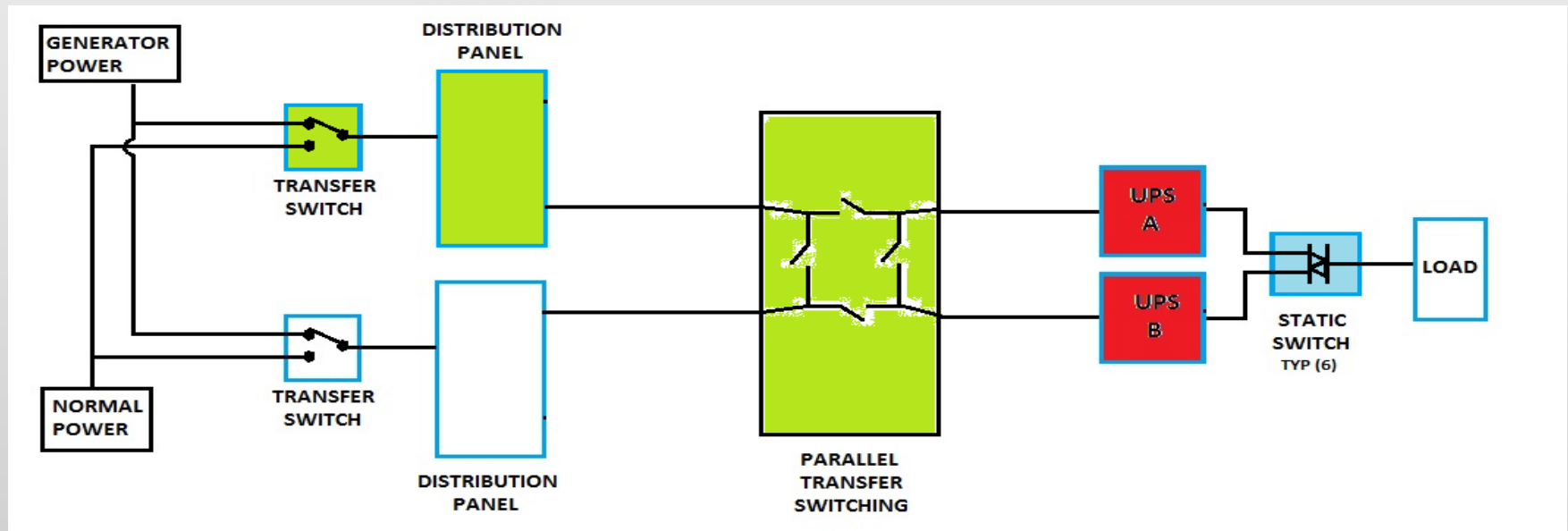


Similar to alternative #2- but solves the problem of being undersized. This alternative leaves a single point of failure and system lacks necessary redundancy.



Alternate 4

Replace with Upsized Equipment and reconfigure power feeders: \$4,555,238



This option provides a redundant system sized to support current and future needs. Eliminates single points of failure. Recommended option.

