Problem Statement

JetBlue wants to lower CO2 emissions from their JFK T5 Operations and secure affordable, reliable, clean energy sources. To achieve this, they need a clear path with a target and list of recommendations that can be shared with The Port Authority of New York and New Jersey, elected officials, financial stakeholders, and the general public.

Stakeholder Value Network

Current CO2 Inventory at JFK T5

Proposed Target

Actions

1. Potential for 3,500 kW DC Solar Panels
2. Space for large scale solar installation
3. Higher use of Ground Power Unit
4. Queuing procedure

Electricity Generation

Operational Efficiency

Building Efficiency

Ground Support Equipment

Conversion of gasoline and diesel equipment into electric

Data analytics for optimized HVAC maintenance

LED lighting

Sensors

Potential savings from total CO2 reductions:

- 26% of Non-Jet Fuel emissions
- 10% of total emissions at JFK Terminal 5