

ITEM NO. 6b_supp.

DATE OF

MEETING September 12, 2011

Electrified Ground Support Equipment (EGSE) Project

Seattle-Tacoma International Airport



Parts of EGSE Project

Rolling Stock		\$ 30 M
Electric Chargers		\$ 8 M
Infrastructure		\$ 7 M
Load Centers		\$ 5 M
	Subtotal	\$ 50 M
	Rolling Stock Grant Max	\$ 5 M
	Chargers/Infra Grant Max	\$ 7-9 M
	Total	\$ 36-38 M

Rolling Stock



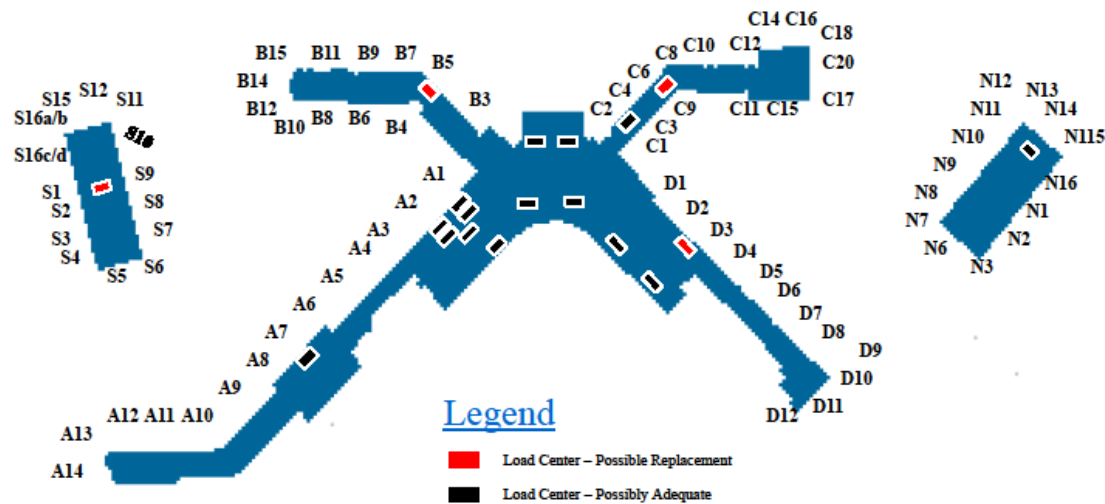
Electric Chargers



Dallas, TX

Infrastructure & Load Centers

Airport Load Center Locations



Schedule

EGSE SCHEDULE														
ID	Task Name	Duration	Start	Finish	2012				2013					
					Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3				
1														
2	Vehicle Procurement	174 days	Fri 4/1/11	Wed 11/30/11	[Bar]									
3	Vehicle Delivery	216 days	Mon 12/3/12	Mon 9/30/13							[Bar]			
4														
5	Charger Procurement	185 days	Fri 4/1/11	Thu 12/15/11	[Bar]									
6	Charger Delivery	457 days	Mon 1/2/12	Mon 9/30/13				[Bar]						
7														
8	Infrastructure Design	262 days	Fri 4/1/11	Mon 4/2/12	[Bar]									
9	Ad, Bid, and Award	54 days	Tue 4/3/12	Fri 6/15/12				[Bar]						
10	Construction Phase 1	163 days	Mon 6/18/12	Tue 1/29/13						[Bar]				
11	Construction Phase 2	174 days	Wed 1/30/13	Mon 9/30/13								[Bar]		

Agreement with Airline Consortium

- Airport leases vehicles and chargers to airline consortium
- Airline consortium in turn, lease vehicles and charger to airlines for two successive 10 year periods
- Airline arranges for all necessary maintenance, electrical billing, and payments to the Port
- Airlines operate the vehicles and make necessary payments to the Airline consortium.

Operating Benefits

- Wholesale electrical rates
- Grants reduce costs
- Airlines reduce fleet maintenance costs
- Projected annual Airline savings of \$ 2.8 million

Environmental Benefits

- Project will reduce petroleum use by 1 million gallons/year if full participation
 - Equivalent of removing 1,700 cars from the roads
- CO₂ reduction of 10,000 tons per year if full participation
- Reduces criteria air pollutants
- Protects air quality; may benefit future airport/airline growth
- Potential eligibility for emission reduction credits

Next Steps

- Late 2011- Commission authorizes Port lease with airline consortium, full design funding, charger procurement funding, and vehicle procurement funding
- April 2012 – Commission authorizes construction advertising and construction funding