

ITEM NO. 7c Supp

DATE OF

MEETING May 24, 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
	<b>Subtotal</b>	<b>\$ 50 M</b>
	Rolling Stock Grant Max	\$ 5 M
	Chargers/Infra Grant Max	\$ 7-9 M
	<b>Total</b>	<b>\$ 36-38 M</b>

# Rolling Stock





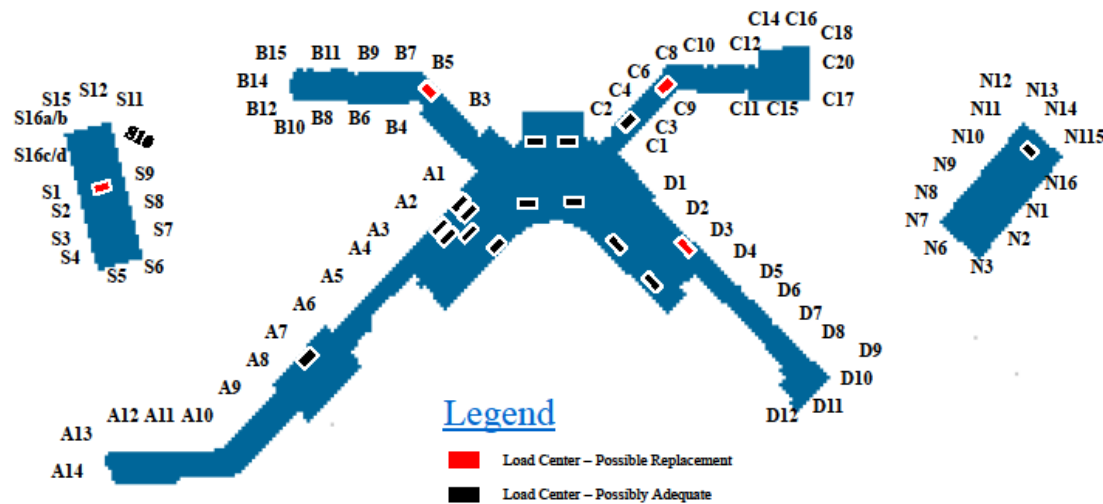
# Electric Chargers



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	131 days	Fri 4/1/11	Fri 9/30/11	[Bar]								
3	Vehicle Delivery	218 days	Mon 10/1/12	Thu 8/1/13						[Bar]			
4													
5	Charger Procurement	152 days	Fri 4/1/11	Tue 11/1/11	[Bar]								
6	Charger Delivery	130 days	Tue 11/1/11	Tue 5/1/12			[Bar]						
7													
8	Infrastructure Design	152 days	Fri 4/1/11	Tue 11/1/11	[Bar]								
9	Ad, Bid & Award	129 days	Wed 11/2/11	Mon 4/30/12		[Bar]							
10	Construction Phase 1	175 days	Tue 5/1/12	Tue 1/1/13				[Bar]					
11	Construction Phase 2	195 days	Tue 1/1/13	Mon 9/30/13						[Bar]			

# 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
  - Equivalent of removing 1,700 cars from the roads
- CO<sub>2</sub> reduction of 10,000 tons per year
- Reduces criteria air pollutants
- Protects air quality; may benefit future airport/airline growth
- Potential eligibility for emission reduction credits