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of Engineers
Omaha District

Electrical Infrastructure in Iraq- Restore Iraqi Electricity

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Agenda

- Prewar Electrical Infrastructure
- War Damages
- Post War Electrical Infrastructure
- Summary
- Questions





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Prewar Electrical Infrastructure

- 33 Plants with 153 Generating Units
- 10,000 MW Imbedded Generating Capability
- 4,800 MW of Demand
- 4,200 MW of Generation at Peak Times





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Power Distribution

- 24 hours a day of power to Bagdad
- 6 to 8 hours a day of power to other parts of the country





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War Damage

- Very little electrical infrastructure damage caused by American troops
- Strategic strikes to interrupt electricity
- Most damage caused by looting





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Downed Power Lines





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Post War Infrastructure

- Generating 5000 MW of power
- Providing 14 hours of electricity nation wide
- Demand has increased to 7,200 MW
- Goal to add 3,200 MW on grid by end of 2005





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How Were MWs Added?

- Adding new generating units to the grid
- Repairing existing generating units
- Completing construction on new generating plants.





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Examples

- At Baiji added 180 MW using 8 portable units
- Completed commissioning of multiple fuel Units 1 and 2.
- Completed construction of multiple fuel units 3 and 4.





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Portable Generators at Baiji





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New Generator at Baiji





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Skid Mounted Gas Purification Unit





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Questions?

