

**RPS Data Form 1: Renewable Generating Technologies**

Company Name: Wheelabrator South Broward Inc.

Applicable Utility Service Area: FPL

<b>Renewable Technologies</b>	
<b>Solar</b>	Photovoltaic (PV)
	Photoelectrochemical (H2)
	Thermal Electric Plant
<b>Wind</b>	Inland
	Coastal
	Offshore
<b>Hydroelectric</b>	Dam (Incremental)
	Diversion (Run of the River)
	Pumped Storage
<b>Geothermal</b>	Dry Steam
	Flash
	Binary
<b>Ocean Energy</b>	Wave Action
	Tidal Change
	Thermal Gradients (OTEC)
	Ocean Currents
<b>Biomass - Direct Combustion</b>	Plant Matter
	Animal Waste
	Vegetable Oil
<b>Biomass - Conversion to Liquid</b>	Biodiesel / Renewable Diesel
	Ethanol - Cellulosic
	Ethanol - Non-Cellulosic
	Pyrolysis
<b>Biomass - Conversion to Gas</b>	Anaerobic Digester
	Gasification
	Renewable Natural Gas
<b>Landfill Gas</b>	Methane Combustion
<b>Municipal Solid Waste</b>	<b>Installed Capacity - 66 MW</b>
<b>YES</b>	<b>2004-7 Net Generation - 442,697MW</b>
<b>Hydrogen, renewable</b>	Fuel Cells
	Combustion
<b>Waste Heat</b>	Sulfuric Acid Manufacturing
<b>Other</b>	Other

**RPS Data Form 2: Conventional Generating Technologies**

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Company Name: Wheelabrator South Broward Inc.

Applicable Utility Service Area: FPL

**FORM NOT APPLICABLE**

<b>Conventional Technologies</b>	
<b>Natural Gas</b>	Combustion Turbine
	Combined Cycle
<b>Coal</b>	Integrated Gasified Combined Cycle
	Supercritical Pulverized Coal
<b>Nuclear</b>	Steam Generation
<b>Other</b>	Other

**RPS Data Form 3: Commercial Availability Data**

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**Company Name:** Wheelabrator South Broward Inc.

**Energy Resource:** MUNICIPAL SOLID WASTE

Typical Unit Annual Capacity Rating (MW)	<b>66 (gross) , 59 (net)</b>
Earliest Commercial In-Service Date (Year)	<b>Existing plant; currently operating; began operating 1991</b>
Typical Construction & Permitting Time (Years)	<b>Permitting: Approx. 24 months; Construction: 24-30 months</b>
Useful Life of Unit (Years)	<b>50 years</b>
Fuel Type	<b>MUNICIPAL SOLID WASTE</b>

**RPS Data Form 4: Performance Characteristics Data**

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**Company Name:** Wheelabrator South Broward Inc.

**Energy Resource:** MUNICIPAL SOLID WASTE

Contribution to Summer Peak Demand (MW)	<b>BASE LOAD FACILITY</b>
Contribution to Winter Peak Demand (MW)	<b>BASE LOAD FACILITY</b>
Average Annual Heat Rate (BTU/kWh)	
Equivalent Availability Factor (%)	
Average Annual Generation (MWH)	<b>2004-2007 data: 442,697 MWh (net)</b>
Resulting Capacity Factor (%)	

**RPS Data Form 5: Environmental Characteristics Data**

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**Company Name:** Wheelabrator South Broward Inc.

**Energy Resource:** MUNICIPAL SOLID WASTE

**TYPICAL EMISSION RATES**

Emission Rates	Carbon Dioxide (CO <sub>2</sub> ) (lb/kWh)	<b>- 4.0 (approx) (negative emissions denotes avoided emissions)</b>
	Sulfur Dioxide (SO <sub>2</sub> ) (lb/kWh)	<b>4 ppmdv @ 7%O<sub>2</sub></b>
	Nitrogen Oxide (NO <sub>x</sub> ) (lb/kWh)	<b>140 ppmdv @ 7%O<sub>2</sub></b>
	Mercury (Hg) (lb/kWh)	<b>3.0E-09</b>
	Water Usage (gal/kwh)	<b>0.003</b>

**RPS Data Form 6: Estimated Cost Data**

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**Company Name:** Wheelabrator South Broward Inc.

**Energy Resource:** MUNICIPAL SOLID WASTE

**WE DO NOT BELIEVE THE INFORMATION  
REQUESTED BELOW TO BE APPLICABLE**

	First Year of Commercial Operation (Year)	
Installed Capital	Cost <sup>(1)</sup> (\$/kw)	
	Escalation Rate (%)	
Fixed O & M	Cost <sup>(1)</sup> (\$/kw-year)	
	Escalation Rate (%)	
Variable O & M	Cost <sup>(1)</sup> (\$/kwh)	
	Escalation Rate (%)	
Energy	Cost <sup>(1)</sup> (\$/kwh)	
	Escalation Rate (%)	
	Levelized Cost <sup>(2)</sup> - Life of Unit (cents/kwh)	

(1) Expressed in year dollars associated with the first year of commercial operations

(2) Cumulative Present Value Total Revenue Requirements levelized over the life of the unit expressed in year dollars associated with the first year of commercial operation

**RPS Data Form 1: Renewable Generating Technologies**

Company Name: Wheelabrator North Broward Inc.

Applicable Utility Service Area: FPL

<b>Renewable Technologies</b>	
<b>Solar</b>	Photovoltaic (PV)
	Photoelectrochemical (H2)
	Thermal Electric Plant
<b>Wind</b>	Inland
	Coastal
	Offshore
<b>Hydroelectric</b>	Dam (Incremental)
	Diversion (Run of the River)
	Pumped Storage
<b>Geothermal</b>	Dry Steam
	Flash
	Binary
<b>Ocean Energy</b>	Wave Action
	Tidal Change
	Thermal Gradients (OTEC)
	Ocean Currents
<b>Biomass - Direct Combustion</b>	Plant Matter
	Animal Waste
	Vegetable Oil
<b>Biomass - Conversion to Liquid</b>	Biodiesel / Renewable Diesel
	Ethanol - Cellulosic
	Ethanol - Non-Cellulosic
	Pyrolysis
<b>Biomass - Conversion to Gas</b>	Anaerobic Digester
	Gasification
	Renewable Natural Gas
<b>Landfill Gas</b>	Methane Combustion
<b>Municipal Solid Waste</b>	<b>Installed Capacity - 68 MW</b>
<b>YES</b>	<b>2004-7 Net Generation - 435,024 MWh</b>
<b>Hydrogen, renewable</b>	Fuel Cells
	Combustion
<b>Waste Heat</b>	Sulfuric Acid Manufacturing
<b>Other</b>	Other

**RPS Data Form 2: Conventional Generating Technologies**

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Company Name: Wheelabrator North Broward Inc.

Applicable Utility Service Area: FPL

**FORM NOT APPLICABLE**

<b>Conventional Technologies</b>	
<b>Natural Gas</b>	Combustion Turbine
	Combined Cycle
<b>Coal</b>	Integrated Gasified Combined Cycle
	Supercritical Pulverized Coal
<b>Nuclear</b>	Steam Generation
<b>Other</b>	Other



**RPS Data Form 3: Commercial Availability Data**

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**Company Name:** Wheelabrator North Broward Inc.

**Energy Resource:** MUNICIPAL SOLID WASTE

Typical Unit Annual Capacity Rating (MW)	<b>68 (gross) , 60 (net)</b>
Earliest Commercial In-Service Date (Year)	<b>Existing plant; currently operating; began operating 1991</b>
Typical Construction & Permitting Time (Years)	<b>Permitting: Approx. 24 months; Construction: 24-30 months</b>
Useful Life of Unit (Years)	<b>50 years</b>
Fuel Type	<b>MUNICIPAL SOLID WASTE</b>

**RPS Data Form 4: Performance Characteristics Data**

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**Company Name:**

Wheelabrator North Broward Inc.

**Energy Resource:**

MUNICIPAL SOLID WASTE

Contribution to Summer Peak Demand (MW)	<b>BASE LOAD FACILITY</b>
Contribution to Winter Peak Demand (MW)	<b>BASE LOAD FACILITY</b>
Average Annual Heat Rate (BTU/kWh)	
Equivalent Availability Factor (%)	
Average Annual Generation (MWH)	<b>2004-2007 data: 435,024 MWh (net)</b>
Resulting Capacity Factor (%)	

**RPS Data Form 5: Environmental Characteristics Data**

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**Company Name:** Wheelabrator North Broward Inc.

**Energy Resource:** MUNICIPAL SOLID WASTE

**TYPICAL EMISSION RATES**

Emission Rates	Carbon Dioxide (CO <sub>2</sub> ) (lb/kWh)	<b>- 4.0 (approx) (negative emissions denotes avoided emissions)</b>
	Sulfur Dioxide (SO <sub>2</sub> ) (lb/kWh)	<b>4 ppmdv @ 7%O<sub>2</sub></b>
	Nitrogen Oxide (NO <sub>x</sub> ) (lb/kWh)	<b>140 ppmdv @ 7%O<sub>2</sub></b>
	Mercury (Hg) (lb/kWh)	<b>3.0E-09</b>
	Water Usage (gal/kwh)	<b>0.003</b>

**RPS Data Form 6: Estimated Cost Data**

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**Company Name:** Wheelabrator North Broward Inc.

**Energy Resource:** MUNICIPAL SOLID WASTE

**WE DO NOT BELIEVE THE INFORMATION  
REQUESTED BELOW TO BE APPLICABLE**

	First Year of Commercial Operation (Year)	
Installed Capital	Cost <sup>(1)</sup> (\$/kw)	
	Escalation Rate (%)	
Fixed O & M	Cost <sup>(1)</sup> (\$/kw-year)	
	Escalation Rate (%)	
Variable O & M	Cost <sup>(1)</sup> (\$/kwh)	
	Escalation Rate (%)	
Energy	Cost <sup>(1)</sup> (\$/kwh)	
	Escalation Rate (%)	
	Levelized Cost <sup>(2)</sup> - Life of Unit (cents/kwh)	

(1) Expressed in year dollars associated with the first year of commercial operations

(2) Cumulative Present Value Total Revenue Requirements levelized over the life of the unit expressed in year dollars associated with the first year of commercial operation

**RPS Data Form 1: Renewable Generating Technologies**

Company Name: Wheelabrator Ridge Energy Inc.

Applicable Utility Service Area: Lakeland Electric

<b>Renewable Technologies</b>	
<b>Solar</b>	Photovoltaic (PV)
	Photoelectrochemical (H2)
	Thermal Electric Plant
<b>Wind</b>	Inland
	Coastal
	Offshore
<b>Hydroelectric</b>	Dam (Incremental)
	Diversion (Run of the River)
	Pumped Storage
<b>Geothermal</b>	Dry Steam
	Flash
	Binary
<b>Ocean Energy</b>	Wave Action
	Tidal Change
	Thermal Gradients (OTEC)
	Ocean Currents
<b>Biomass - Direct Combustion</b>	Plant Matter - <b>YES (wood)</b>
	Animal Waste
	Vegetable Oil
<b>Biomass - Conversion to Liquid</b>	Biodiesel / Renewable Diesel
	Ethanol - Cellulosic
	Ethanol - Non-Cellulosic
	Pyrolysis
<b>Biomass - Conversion to Gas</b>	Anaerobic Digester
	Gasification
	Renewable Natural Gas
<b>Landfill Gas</b>	Methane Combustion - <b>YES</b>
<b>Municipal Solid Waste</b>	- <b>YES (tires)</b>
<b>Hydrogen, renewable</b>	Fuel Cells
	Combustion
<b>Waste Heat</b>	Sulfuric Acid Manufacturing
<b>Other</b>	Other

**RPS Data Form 2: Conventional Generating Technologies**

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Company Name: Wheelabrator Ridge Energy Inc.

Applicable Utility Service Area: Lakeland Electric

**FORM NOT APPLICABLE**

<b>Conventional Technologies - NA</b>	
<b>Natural Gas</b>	Combustion Turbine
	Combined Cycle
<b>Coal</b>	Integrated Gasified Combined Cycle
	Supercritical Pulverized Coal
<b>Nuclear</b>	Steam Generation
<b>Other</b>	Other

**RPS Data Form 3: Commercial Availability Data**

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**Company Name:** Wheelabrator Ridge Energy Inc.

**Energy Resource:** Biomass

Typical Unit Annual Capacity Rating (MW)	<b>50 (gross) , 45 (net)</b>
Earliest Commercial In-Service Date (Year)	<b>Existing plant; currently operating; began operating 1994</b>
Typical Construction & Permitting Time (Years)	<b>Permitting: Approx. 24 months; Construction: 24-30 months</b>
Useful Life of Unit (Years)	<b>50 years</b>
Fuel Type	<b>Biomass</b>

**RPS Data Form 4: Performance Characteristics Data**

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**Company Name:** Wheelabrator Ridge Energy Inc.

**Energy Resource:** Biomass

Contribution to Summer Peak Demand (MW)	<b>BASE LOAD FACILITY</b>
Contribution to Winter Peak Demand (MW)	<b>BASE LOAD FACILITY</b>
Average Annual Heat Rate (BTU/kWh)	
Equivalent Availability Factor (%)	
Average Annual Generation (MWH)	<b>2004-2007 data: 192,885 MWh (net)</b>
Resulting Capacity Factor (%)	



**RPS Data Form 5: Environmental Characteristics Data**

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**Company Name:** Wheelabrator Ridge Energy Inc.

**Energy Resource:** Biomass

**TYPICAL EMISSION RATES -- UNAVAILABLE AT THIS TIME**

Emission Rates	Carbon Dioxide (CO <sub>2</sub> ) (lb/kWh)	<b>(Avoided CO2 Emissions)</b>
	Sulfur Dioxide (SO <sub>2</sub> ) (lb/kWh)	
	Nitrogen Oxide (NO <sub>x</sub> ) (lb/kWh)	
	Mercury (Hg) (lb/kWh)	
	Water Usage (gal/kwh)	

**RPS Data Form 6: Estimated Cost Data**

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**Company Name:** Wheelabrator Ridge Energy Inc.

**Energy Resource:** Biomass

**All cost information is proprietary & confidential**

	First Year of Commercial Operation (Year)	
Installed Capital	Cost <sup>(1)</sup> (\$/kw)	
	Escalation Rate (%)	
Fixed O & M	Cost <sup>(1)</sup> (\$/kw-year)	
	Escalation Rate (%)	
Variable O & M	Cost <sup>(1)</sup> (\$/kwh)	
	Escalation Rate (%)	
Energy	Cost <sup>(1)</sup> (\$/kwh)	
	Escalation Rate (%)	
	Levelized Cost <sup>(2)</sup> - Life of Unit (cents/kwh)	

(1) Expressed in year dollars associated with the first year of commercial operations

(2) Cumulative Present Value Total Revenue Requirements levelized over the life of the unit expressed in year dollars associated with the first year of commercial operation

**RPS Data Form 1: Renewable Generating Technologies**

Company Name: Wheelabrator McKay Bay Inc.

Applicable Utility Service Area: TECO

<b>Renewable Technologies</b>	
<b>Solar</b>	Photovoltaic (PV)
	Photoelectrochemical (H2)
	Thermal Electric Plant
<b>Wind</b>	Inland
	Coastal
	Offshore
<b>Hydroelectric</b>	Dam (Incremental)
	Diversion (Run of the River)
	Pumped Storage
<b>Geothermal</b>	Dry Steam
	Flash
	Binary
<b>Ocean Energy</b>	Wave Action
	Tidal Change
	Thermal Gradients (OTEC)
	Ocean Currents
<b>Biomass - Direct Combustion</b>	Plant Matter
	Vegetable Oil
<b>Biomass - Conversion to Liquid</b>	Biodiesel / Renewable Diesel
	Ethanol - Cellulosic
	Ethanol - Non-Cellulosic
	Pyrolysis
<b>Biomass - Conversion to Gas</b>	Anaerobic Digester
	Gasification
	Renewable Natural Gas
<b>Landfill Gas</b>	Methane Combustion
<b>Municipal Solid Waste</b>	<b>Installed Capacity - 22 MW</b>
<b>YES</b>	<b>2004-7 Net Generation - 169,917 MWh</b>
<b>Hydrogen, renewable</b>	Fuel Cells
	Combustion
<b>Waste Heat</b>	Sulfuric Acid Manufacturing
<b>Other</b>	Other

**RPS Data Form 2: Conventional Generating Technologies**

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Company Name: Wheelabrator McKay Bay Inc.

Applicable Utility Service Area: TECO

**FORM NOT APPLICABLE**

<b>Conventional Technologies</b>	
<b>Natural Gas</b>	Combustion Turbine
	Combined Cycle
<b>Coal</b>	Integrated Gasified Combined Cycle
	Supercritical Pulverized Coal
<b>Nuclear</b>	Steam Generation
<b>Other</b>	Other

**RPS Data Form 3: Commercial Availability Data**

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**Company Name:** Wheelabrator McKay Bay Inc.

**Energy Resource:** MUNICIPAL SOLID WASTE

Typical Unit Annual Capacity Rating (MW)	<b>22 (gross) , 18 (net)</b>
Earliest Commercial In-Service Date (Year)	<b>Existing plant; currently operating; began operating 1985</b>
Typical Construction & Permitting Time (Years)	<b>Permitting: Approx. 24 months; Construction: 24-30 months</b>
Useful Life of Unit (Years)	<b>50 years</b>
Fuel Type	<b>MUNICIPAL SOLID WASTE</b>

**RPS Data Form 4: Performance Characteristics Data**

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**Company Name:** Wheelabrator McKay Bay Inc.

**Energy Resource:** MUNICIPAL SOLID WASTE

Contribution to Summer Peak Demand (MW)	<b>BASE LOAD FACILITY</b>
Contribution to Winter Peak Demand (MW)	<b>BASE LOAD FACILITY</b>
Average Annual Heat Rate (BTU/kWh)	
Equivalent Availability Factor (%)	
Average Annual Generation (MWH)	<b>2004-2007 data: 160,917 MWh (net)</b>
Resulting Capacity Factor (%)	

**RPS Data Form 5: Environmental Characteristics Data**

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**Company Name:** Wheelabrator McKay Bay Inc.

**Energy Resource:** MUNICIPAL SOLID WASTE

**TYPICAL EMISSION RATES**

Emission Rates	Carbon Dioxide (CO <sub>2</sub> ) (lb/kWh)	<b>- 4.0 (approx)</b> <b>(negative emissions denotes avoided emissions)</b>
	Sulfur Dioxide (SO <sub>2</sub> ) (lb/kWh)	<b>4 ppmdv @ 7%O<sub>2</sub></b>
	Nitrogen Oxide (NO <sub>x</sub> ) (lb/kWh)	<b>140 ppmdv @ 7%O<sub>2</sub></b>
	Mercury (Hg) (lb/kWh)	<b>3.0E-09</b>
	Water Usage (gal/kwh)	<b>0.003</b>

**RPS Data Form 6: Estimated Cost Data**

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**Company Name:** Wheelabrator McKay Bay Inc.

**Energy Resource:** MUNICIPAL SOLID WASTE

**WE DO NOT BELIEVE THE INFORMATION  
REQUESTED BELOW TO BE APPLICABLE**

	First Year of Commercial Operation (Year)	
Installed Capital	Cost <sup>(1)</sup> (\$/kw)	
	Escalation Rate (%)	
Fixed O & M	Cost <sup>(1)</sup> (\$/kw-year)	
	Escalation Rate (%)	
Variable O & M	Cost <sup>(1)</sup> (\$/kwh)	
	Escalation Rate (%)	
Energy	Cost <sup>(1)</sup> (\$/kwh)	
	Escalation Rate (%)	
	Levelized Cost <sup>(2)</sup> - Life of Unit (cents/kwh)	

(1) Expressed in year dollars associated with the first year of commercial operations

(2) Cumulative Present Value Total Revenue Requirements levelized over the life of the unit expressed in year dollars associated with the first year of commercial operation