

RPS Data Form 1: Renewable Generating Technologies

Company Name:

Pinellas County Resource Recovery Facility

Applicable Utility Service Area:

Progress Energy Florida

| Renewable Technologies | |
|--------------------------------|---|
| Solar | Photovoltaic (PV) |
| | Photoelectrochemical (H2) |
| | Thermal Electric Plant |
| Wind | Inland |
| | Coastal |
| | Offshore |
| Hydroelectric | Dam (Incremental) |
| | Diversion (Run of the River) |
| | Pumped Storage |
| Geothermal | Dry Steam |
| | Flash |
| | Binary |
| Ocean Energy | Wave Action |
| | Tidal Change |
| | Thermal Gradients (OTEC) |
| | Ocean Currents |
| Biomass - Direct Combustion | Plant Matter |
| | Animal Waste |
| | Vegetable Oil |
| Biomass - Conversion to Liquid | Biodiesel / Renewable Diesel |
| | Ethanol - Cellulosic |
| | Ethanol - Non-Cellulosic |
| | Pyrolysis |
| Biomass - Conversion to Gas | Anaerobic Digester |
| | Gasification |
| | Renewable Natural Gas |
| Landfill Gas | Methane Combustion |
| Municipal Solid Waste | Installed Capacity 75 MW |
| | 2005-2007 Average NEL 421,867 MWhr |
| Hydrogen, renewable | Fuel Cells |
| | Combustion |
| Waste Heat | Sulfuric Acid Manufacturing |
| Other | Other |

RPS Data Form 2: Conventional Generating Technologies

Company Name:

Pinellas County Resource Recovery Facility

Applicable Utility Service Area:

Progress Energy Florida

FORM NOT APPLICABLE

| Conventional Technologies | |
|----------------------------------|------------------------------------|
| Natural Gas | Combustion Turbine |
| | Combined Cycle |
| Coal | Integrated Gasified Combined Cycle |
| | Supercritical Pulverized Coal |
| Nuclear | Steam Generation |
| Other | Other |

RPS Data Form 3: Commercial Availability Data

Company Name:

Pinellas County Resource Recovery Facility

Energy Resource:

MUNICIPAL SOLID WASTE

| | |
|--|--|
| Typical Unit Annual Capacity Rating (MW) | 75 MW |
| Earliest Commercial In-Service Date (Year) | 1983 |
| Typical Construction & Permitting Time (Years) | Construction 30-36 months ; Permitting 12-24 mo |
| Useful Life of Unit (Years) | 50 years |
| Fuel Type | MUNICIPAL SOLID WASTE |

RPS Data Form 4: Performance Characteristics Data

Company Name:

Pinellas County Resource Recovery Facility

Energy Resource:

MUNICIPAL SOLID WASTE

| | |
|--|--|
| Contribution to Summer Peak Demand (MW) | BASE LOAD FACILITY |
| Contribution to Winter Peak Demand (MW) | BASE LOAD FACILITY |
| Average Annual Heat Rate (BTU/kWh) | |
| Equivalent Availability Factor (%) | |
| Average Annual Generation (MWH) | 2004-2007 Average NEL 421,867 MWhr |
| Resulting Capacity Factor (%) | |

RPS Data Form 5: Environmental Characteristics Data

Company Name:

Pinellas County Resource Recovery Facility

Energy Resource:

MUNICIPAL SOLID WASTE

| | | |
|----------------|---|--|
| Emission Rates | Carbon Dioxide (CO ₂) (lb/kWh) | Not available |
| | Sulfur Dioxide (SO ₂) (lb/kWh) | 67.41 tons/year 2007 (based on stack test results) = 0.00032 lb/kwh |
| | Nitrogen Oxide (NO _x) (lb/kWh) | 1460.52 tons/year 2007 (actual measured emissions) = 0.0069 lb/kwh |
| | Mercury (Hg) (lb/kWh) | 0.01 tons/year 2007 (based on stack test results) = 0.000000047 lb/kwh |
| | Water Usage (gal/kwh) | 611,700,000 gallons/year (metered) = 1.45 gal/kwh |

RPS Data Form 6: Estimated Cost Data

Company Name:

Pinellas County Resource Recovery Facility

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 ⁽¹⁾ (\$/kw) | |
| | Escalation Rate (%) | |
| Fixed O & M | Cost ⁽¹⁾ (\$/kw-year) | |
| | Escalation Rate (%) | |
| Variable O & M | Cost ⁽¹⁾ (\$/kwh) | |
| | Escalation Rate (%) | |
| Energy | Cost ⁽¹⁾ (\$/kwh) | |
| | Escalation Rate (%) | |
| | Levelized Cost ⁽²⁾ - 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