Company Name:	Florida Crystals
Applicable Utility Service Area:	N/A

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	Biogenic
	Non-Biogenic
Hydrogen, renewable	Fuel Cells
_	Combustion
Waste Heat	Sulfuric Acid Manufacturing
Other	Other

RPS Data Form 2: Conventional Generating Technologies		
Company Name:	Florida Crystals	
Applicable Utility Service Area:	N/A	
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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: Florida Crystals

Energy Resource: Biomass Direct Combustion - Plant Matter

Typical Unit Annual Capacity Rating (MW)	80 MW
Earliest Commercial In- Service Date (Year)	2012
Typical Construction & Permitting Time (Years)	4 yrs.
Useful Life of Unit (Years)	30 yrs.
Fuel Type	Biomass

Company Name: Florida Crystals

Energy Resource: Biomass Direct Combustion - Plant Matter

Contribution to Summer Peak Demand (MW)	80 MW
Contribution to Winter Peak Demand (MW)	80 MW
Average Annual Heat Rate (BTU/kWh)	13,500 BTU/kwh.
Equivalent Availability Factor (%)	90%
Average Annual Generation (MWH)	630,000 MWH
Resulting Capacity Factor (%)	90%

Company Name: Florida Crystals

Energy Resource: Biomass Direct Combustion - Plant Matter

	Carbon Dioxide (CO2)	0
0 S	(lb/kWh)	
Rates	Sulfur Dioxide (SO2)	
, S		0.0008 lbs/kwh
r.	(lb/kWh)	
Emission	Nitrogen Oxide (NOx)	
SS	(11. 11. 1. 11. 1. 1. 1. 1. 1. 1. 1. 1. 1	0.002 lbs/kwh
ni l	(lb/kWh)	
區	Mercury (Hg)	0
	(lb/kWh)	7.3 x 10 ⁻⁸ lbs/kwh
	Water Usage	design dependent
	(gal/kwh)	0.5 gals/kwh

Company Name: Energy Resource: Florida Crystals

Biomass Direct Combustion - Plant Matter

	Annual Control of the	
	First Year of Commercial Operation (Year)	2012
Installed Capital	Cost ⁽¹⁾ (\$/kw)	\$2,700
	Escalation Rate (%)	3%
ed M	Cost ⁽¹⁾ (\$/kw-year)	\$135
Fixed O & M	Escalation Rate (%)	3%
able M	Cost ⁽¹⁾ (\$/kwh)	0.5
Variable O & M	Escalation Rate (%)	3%
Energy	Cost ⁽¹⁾ (\$/kwh)	4.4
	Escalation Rate (%)	3%
	Levelized Cost ⁽²⁾ - Life of Unit (cents/kwh)	12.0

⁽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