

IRP Generic Resource Option Template

<u>Basic Project Data</u>	Example	Information
Generation Technology:	Solar, Wind, Demand Side, etc.	Gas Fired CT
Resource Description (Overview of project):	Thin-film, single-axis tracking PV Solar	GE LMS100 Aeroderivative, quick start, fast ramping Combustion Turbine.
Commercial Structure:	Company Owned, PPA, Other	EPE Owned Resource
Resource/Program Location (Where is the project located and will it serve both of EPE's jurisdictions):	TX or NM or Both	Resource will serve customers in both jurisdictions and will be a system resource.
Resource Life or Term (What is the useful life of this project):	20 -yr, 40-yr, etc.	40-yr Unit life
Maximum Net Capacity (MW)(Total amount of Megawatts this project will provide at time of peak):	50 MW, 100 MW, 300 MW, etc.	100MW
Minimum Net Output (MW)(The lowest Megawatt value that the resource can operate at):	25 MW, 50 MW, 150 MW, etc.	25MW
Output Profile Availability (include as attachment)	If availability is constrained, provide "Output Profile" (e.g. solar, wind, biomass with fuel limitations, storage, demand response with limitations on use and duration,...)	
Availability Capacity Factor (%) (Percentage of unit output over the entire year. The capacity factor is the average power generated, divided by the rated peak power) :	30%, 50%, 75%, etc.	Resource will have a forecasted capacity factor of 35% based on unit flexibility and expected dispatch.
<u>Project Costs Data</u>	Information	Source (e.g. EIA, NREL, Lazard, NMPRC Approved projects in operation, etc.)
Total Capital Cost (\$)(The entire upfront capital investment for the project):	\$100 Million	Lazard
Variable Operation & Maintenance Cost (\$/MWh)(Operating cost that are driven by unit generation):	\$15.00/MWh	Lazard
Fixed Operations & Maintenance Cost (\$/kW-yr)(Cost that are fixed no matter how much the resource operates):	\$20.00/kW-yr.	Lazard
Outage Costs(Cost for a planned repair of the resource):	\$7,250,000 per outage	NMPRC Approved CCN
<u>PPA Costs Data</u>	Information	Source (e.g. EIA, NREL, Lazard, NMPRC Approved projects in operation, etc.)
All-In PPA price (\$/MWh)	N/A, Company Owned Resource	---
Fixed or Escalating (Yes or No)	Escalating, 1.95%	EPE's Forecasted Escalation Factors

Note:

Additional detail or data maybe required based on project information provided above

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<u>Basic Project Data</u>	Example	Information
Generation Technology:	Solar, Wind, Demand Side, etc.	Solar
Resource Description (Overview of project):	Thin-film, single-axis tracking PV Solar	Thin-film PV Project on single axis tracking system for improved generation and capacity factor
Commercial Structure:	Company Owned, PPA, Other	Power Purchase Agreement
Resource/Program Location (Where is the project located and will it serve both of EPE's jurisdictions):	TX or NM or Both	Resource to be located in NM and will be a system resource.
Resource Life or Term (What is the useful life of this project):	20 -yr, 40-yr, etc.	25-year PPA
Maximum Net Capacity (MW)(Total amount of Megawatts this project will provide at time of peak):	50 MW, 100 MW, 300 MW, etc.	50MW
Minimum Net Output (MW)(The lowest Megawatt value that the resource can operate at):	25 MW, 50 MW, 150 MW, etc.	See typical output profile (attached)
Output Profile Availability (include as attachment)	If availability is constrained, provide "Output Profile" (e.g. solar, wind, biomass with fuel limitations, storage, demand response with limitations on use and duration,...)	
Availability Capacity Factor (%) (Percentage of unit output over the entire year. The capacity factor is the average power generated, divided by the rated peak power) :	30%, 50%, 75%, etc.	Resource has a forecasted capacity factor of 35% based solar output profile and tracking system.
<u>Project Costs Data</u>	Information	Source (e.g. EIA, NREL, Lazard, NMPRC Approved projects in operation, etc.)
Total Capital Cost (\$)(The entire upfront capital investment for the project):	---	---
Variable Operation & Maintenance Cost (\$/MWh)(Operating cost that are driven by unit generation):	---	---
Fixed Operations & Maintenance Cost (\$/kW-yr)(Cost that are fixed no matter how much the resource operates):	---	---
Outage Costs(Cost for a planned repair of the resource):	---	---
<u>PPA Costs Data</u>	Information	Source (e.g. EIA, NREL, Lazard, NMPRC Approved projects in operation, etc.)
All-In PPA price (\$/MWh)	\$57.90/MWH	NMPRC Approved Project
Fixed or Escalating (Yes or No)	No, fixed price PPA	---

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<u>Basic Project Data</u>	Example	Information
Generation Technology:	Solar, Wind, Demand Side, etc.	Solar
Resource Description (Overview of project):	Thin-film, single-axis tracking PV Solar	Thin-film PV Project on single axis tracking system for improved generation and capacity factor
Commercial Structure:	Company Owned, PPA, Other	EPE Owned Resource
Resource/Program Location (Where is the project located and will it serve both of EPE's jurisdictions):	TX or NM or Both	Resource to be located in NM and will be a system resource.
Resource Life or Term (What is the useful life of this project):	20 -yr, 40-yr, etc.	25-yr Project life
Maximum Net Capacity (MW)(Total amount of Megawatts this project will provide at time of peak):	50 MW, 100 MW, 300 MW, etc.	50MW
Minimum Net Output (MW)(The lowest Megawatt value that the resource can operate at):	25 MW, 50 MW, 150 MW, etc.	See typical output profile (attached)
Output Profile Availability (include as attachment)	If availability is constrained, provide "Output Profile" (e.g. solar, wind, biomass with fuel limitations, storage, demand response with limitations on use and duration,...)	
Availability Capacity Factor (%) (Percentage of unit output over the entire year. The capacity factor is the average power generated, divided by the rated peak power):	30%, 50%, 75%, etc.	Resource has a forecasted capacity factor of 35% based solar output profile and tracking system.
<u>Project Costs Data</u>	Information	Source (e.g. EIA, NREL, Lazard, NMPRC Approved projects in operation, etc.)
Total Capital Cost (\$)(The entire upfront capital investment for the project):	\$72.5 Million	Lazard
Variable Operation & Maintenance Cost (\$/MWh)(Operating cost that are driven by unit generation):	---	---
Fixed Operations & Maintenance Cost (\$/kW-yr)(Cost that are fixed no matter how much the resource operates):	\$12.00/kW-yr.	Lazard
Outage Costs(Cost for a planned repair of the resource):	---	---
<u>PPA Costs Data</u>	Information	Source (e.g. EIA, NREL, Lazard, NMPRC Approved projects in operation, etc.)
All-In PPA price (\$/MWh)	N/A, Company Owned Resource	---
Fixed or Escalating (Yes or No)	Escalating, 1.95%	EPE's Forecasted Escalation Factors

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Solar 50MW Output Profile Availability

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