

Western Region RFP
Supplemental Information Required by Bidders in Connection with Proposal Submission
Updated March 4, 2012

Below is a list of additional information not currently specified or called for in the RFP documents that Bidders will be required to provide as part of their proposal submission (either in responses to questions/requests included in either the RFP Web Portal or one of the due diligence questionnaires, as indicated). Capitalized terms used but not defined in this document have the definitions corresponding to such terms in the RFP.

<u>Required Information</u>	<u>Product Package or Due Diligence Appendix</u>	<u>Additional Information</u>
Interconnection/ Transmission Costs:	Appendices H, I-1 and I-2	<p>Bidder must break out and separately provide the total interconnection and related upgrade costs that are or are expected to be assigned to Bidder under the electric interconnection agreement for the resource. If Bidder proposes that the proposal originate from an Off-System Resource, Bidder must break out and separately provide the costs associated with obtaining all transmission service necessary for the Off-System Resource to deliver the offered amount of Capacity, energy and Other Electric Products to Buyer at the Energy Delivery Point specified by Bidder on the Energy Transmission System, including, without limitation, all transmission upgrades or other improvements necessary to obtain such service.</p> <p>INCLUDE WITH DUE DILIGENCE RESPONSE</p>
Capacity-Related Benefits:	All Product Packages	<p>Bidder should indicate whether the Facility, or the portion allocated to Buyer, is or will be eligible for capacity credits or other capacity-related benefits and, if so, which ones and the basis of that belief. Bidder should describe any studies or other actions needed to qualify the Facility, or the portion allocated to Buyer, for capacity-related benefits. Bidder should also describe the status and any results of any such actions.</p> <p>INCLUDE IN RFP PORTAL RESPONSE</p> <p>ANY ADDITIONAL, INFORMATION THAT IS EITHER NOT REQUESTED BY THE RFP PORTAL OR NOT ABLE TO BE SUBMITTED THROUGH THE RFP PORTAL, SHOULD BE INCLUDED WITH THE DUE DILIGENCE RESPONSE</p>
Ancillary Services:	All Product Packages	<p>Bidder should indicate whether the Facility, or the portion allocated to Buyer, is or will be capable of providing any ancillary services and, if so, which ones and the basis of that belief.</p>

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		<p>INCLUDE IN RFP PORTAL RESPONSE</p> <p>ANY ADDITIONAL, INFORMATION THAT IS EITHER NOT REQUESTED BY THE RFP PORTAL OR NOT ABLE TO BE SUBMITTED THROUGH THE RFP PORTAL, SHOULD BE INCLUDED WITH THE DUE DILIGENCE RESPONSE</p>
Dispatch Rights	Product Package B and C	<p>Product Packages B and C contemplate both day-ahead and intra-day dispatch flexibility. Proposals that cannot provide intra-day dispatch flexibility at all will be rejected as non-conforming. If Bidder is unable to provide the intra-day dispatch flexibility contemplated by either Term Sheet, Bidder should so indicate and describe with specificity the terms and conditions on which Bidder is able to offer intra-day dispatch flexibility.</p> <p>INCLUDE IN RFP PORTAL RESPONSE</p>
AGC	All Product Packages Appendices H, I-1 and I-2	<p>Is the facility capable of, and is Bidder willing to offer, automatic generation control (AGC)? What is the operating range of the unit under AGC?</p> <p>INCLUDE IN RFP PORTAL RESPONSE</p> <p>ADDITIONAL DUE DILIGENCE QUESTION: If the heat rates when operating on AGC in the operating range are different from the proposed heat rates when not operating on AGC, provide. In addition, if additional operation and maintenance expenses result through operation of the unit on AGC, please provide the increased expense (per \$/kWh and \$/annum).</p>
Availability for “Pseudo Tie” to Entergy Electric System Balancing Authority:	Appendices H, I-1 and I-2	<p>For Off-System Resources, please describe the capability for or modifications required to establish at the interconnection point a non-physical electrical interface point (a “pseudo tie”) between the Balancing Authority in which the interconnection point is located and the Entergy Electric System Balancing Authority so that the Facility can be treated as a resource within the Entergy Electric System Balancing Authority.</p> <p>ADD TO DUE DILIGENCE RESPONSE</p>
Nameplate Capacity Allocated to Buyer	Product Packages A, B and C	<p>If Bidder proposes to allocate to Buyer less than all of the nameplate capacity of the Facility, please describe in detail how Bidder intends to sub-divide the capacity</p>

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		<p>(e.g., by dedicating to Buyer certain generating units at the Facility), including proposed procedures for metering; tagging/scheduling with the Balancing Authority or similar action (if applicable); joint use of Common Facilities (as defined in the Main Body); and settlement. ESI prefers proposals allocating the entire nameplate capacity of the Facility to Buyer, but will consider proposals offering to allocate to Buyer less than all of the nameplate capacity of the Facility, subject to the other terms of the RFP.</p> <p>ADD TO DUE DILIGENCE RESPONSE</p>
Nameplate Capacity To Be Sold to Buyer	Product Package D	<p>For solid fuel resources, ESI prefers the acquisition of an undivided interest in the specified solid fuel generating unit(s) as opposed to the acquisition of the actual generating unit(s) themselves. For CCGT resources, Bidders may propose the sale of all or a portion of the Facility (subject to the other terms of the RFP), but may not propose that Buyer acquire any portion of the Facility that is less than a full CCGT train and the pro rata share of the Common Facilities (as defined in the Main Body). If Bidder proposes the acquisition of less than all of the nameplate capacity of the Facility, please describe in detail the proposal for (i) metering, tagging/scheduling with the balancing authority or similar action (if applicable), (ii) settlement, (iii) operation and maintenance of the Common Facilities and Separate Facilities (as defined in the Main Body), (iv) joint ownership of the Common Facilities and (v) separate ownership of the Separate Facilities.</p> <p>ADD TO DUE DILIGENCE RESPONSE</p>
Delivery/Receipt Commitment	Product Package A	<p>ESI prefers proposals that offer Buyer enhanced dispatch and/or curtailment flexibility (particularly the flexibility to use automatic generation control (AGC) and/or dispatch 50% or less than the Dependable Capacity allocated to Buyer). Any Bidder wishing to propose enhanced dispatch and/or curtailment flexibility or AGC capability should so indicate here. ESI is willing to consider specific pricing adjustments proposed by Bidder for providing enhanced dispatch and/or curtailment rights to Buyer. For each such enhanced dispatch and/or curtailment right (or collection of dispatch and/or curtailment rights), Bidder must separately set out and specify in its proposal the enhanced dispatch and/or curtailment right (or collection of dispatch and/or curtailment rights) and the proposed price adjustment, if any.</p>

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		<p data-bbox="919 272 1415 298">INCLUDE IN RFP PORTAL RESPONSE</p> <p data-bbox="919 337 1906 431">ANY ADDITIONAL, INFORMATION THAT IS EITHER NOT REQUESTED BY THE RFP PORTAL OR NOT ABLE TO BE SUBMITTED THROUGH THE RFP PORTAL, SHOULD BE INCLUDED WITH THE DUE DILIGENCE RESPONSE</p>
Delivery Term	Product Packages A, B and C	<p data-bbox="919 443 1906 737">For Development Resources, (i) Buyer will consider proposals to purchase energy delivered after the Commercial Operation Date but prior to the Expected Commercial Operation Date, but (ii) Buyer will not purchase test energy or any other energy deliveries prior to the Commercial Operation Date. For pre-Commercial Operation Date energy deliveries, Bidder may wish to consult the power purchase tariffs of the interconnection utility for the Facility. If Bidder wishes to make a proposal for Buyer to purchase energy delivered after the Commercial Operation Date but prior to the Expected Commercial Operation Date, Bidder should so indicate and describe with specificity such proposal.</p> <p data-bbox="919 776 1409 802">ADD TO DUE DILIGENCE RESPONSE</p>
Heat Rate Curves	All Product Packages	<p data-bbox="919 813 1906 1399">As part of the response to Due Diligence Response to Appendix H, I-1 or I-2, Bidder should provide the Guaranteed Heat Rate curve for each season specified below. Each heat rate curve should plot the HHV heat rate guaranteed by Bidder for each potential dispatch level of the capacity of the Facility allocated to Buyer included in the operating range specified by Bidder (<i>i.e.</i>, for each MW of such operating range, other than deadbands between configurations within the operating range). For example, if the operating range specified by Bidder is from 100 MW to 300 MW for the summer season with a deadband between 200 MW and 225 MW, representing the gap between maximum in 1x1 configuration and minimum in 2x1 configuration, the heat rate curve for the summer season should plot the Guaranteed Heat Rate for the following dispatch levels: 100 MW, 101 MW, 102 MW...198 MW, 199 MW, 200 MW, 225 MW, 226 MW, 227 MW... 298 MW, 299 MW, 300 MW. In addition, for each such dispatch level, Bidder should indicate the HHV heat rate associated with the incremental MW added to the next lower dispatch level (the “Marginal Heat Rate”). For example, if, for a dispatch level of 250 MW, the Guaranteed Heat Rate is 7.000 MMBtu/MWh and, for a dispatch level of 251 MW, the Guaranteed Heat Rate is 7.012 MMBtu/MWh, the Marginal Heat Rate for a dispatch level of 251 MW is $10.012 \text{ MMBtu/MWh} = (251 \times 7.012) - (250 \times 7.000)$,</p>

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		<p>meaning that 10.012 MMBtu is the guaranteed level of additional gas consumption in each hour for the 251st MW when compared to a 250 MW dispatch level. For dispatch levels that, depending on ambient conditions, may be achieved from either of two different operating configurations (<i>e.g.</i>, with or without duct-firing), Bidder should provide both potential HHV heat rates. The higher HHV heat rate will apply only if Seller has indicated in its availability notice to Buyer that the higher HHV heat rate configuration will be required to achieve such dispatch level and Seller actually utilizes such higher HHV heat rate configuration to achieve such dispatch level.</p> <p><u>Summer Season (May through September) (97 deg F, 56 % RH)</u></p> <p>Dispatch Level Guaranteed Heat Rate Marginal Heat Rate (MW) (MMBtu/MWh) (MMBtu/MWh)</p> <p>{insert Summer Season heat rate curve}</p> <p><u>Winter Season (December through February) (68 deg F, 74 % RH)</u></p> <p>Dispatch Level Guaranteed Heat Rate Marginal Heat Rate (MW) (MMBtu/MWh) (MMBtu/MWh)</p> <p>{insert Winter Season heat rate curve}</p> <p><u>Shoulder Season (April, May, October, November) (82 deg F, 65 % RH)</u></p> <p>Dispatch Level Guaranteed Heat Rate Marginal Heat Rate (MW) (MMBtu/MWh) (MMBtu/MWh)</p> <p>{insert Shoulder Season heat rate curve}</p> <p>ADD TO DUE DILIGENCE RESPONSE</p>
Summer Minimum Permitted Dispatch	All Product Packages	Please provide the “Summer Minimum Permitted Dispatch Level” for the Facility, or portion thereof allocated to Buyer, in each base operating mode. “Summer

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Level		<p>Minimum Permitted Dispatch Level” means the minimum net MW that the Facility, or the portion allocated to Buyer, is capable of delivering reliably to Buyer at the Energy Delivery Point for the referenced summer condition of 97° Fahrenheit, 56% relative humidity, excluding capacity associated with operating modes such as duct firing, power augmentation, inlet chilling, or other such operating modes.</p> <p>INCLUDE IN RFP PORTAL RESPONSE</p>
Summer Maximum Base Capacity	All Product Packages	<p>Please provide the “Summer Maximum Base Capacity” for the Facility, or portion thereof allocated to Buyer, in each base operating mode. “Summer Maximum Base Capacity” means the maximum net MW that the Facility, or the portion allocated to Buyer, is capable of delivering reliably to Buyer at the Energy Delivery Point for the referenced summer condition of 97° Fahrenheit, 56% relative humidity, excluding capacity associated with operating modes such as duct firing, power augmentation, inlet chilling, or other such operating modes.</p> <p>INCLUDE IN RFP PORTAL RESPONSE</p>
Average Heat Rate at Summer Minimum Permitted Dispatch Level	All Product Packages	<p>Please provide the Average Heat Rate at Summer Minimum Permitted Dispatch Level. The “Average Heat Rate at Summer Minimum Permitted Dispatch Level” is a blended HHV heat rate for all MW included in the corresponding capacity level at the Summer Minimum Permitted Dispatch Level.</p> <p>INCLUDE IN RFP PORTAL RESPONSE</p>
Average Heat Rate at Summer Maximum Base Capacity	All Product Packages	<p>Please provide the Average Heat Rate at Summer Maximum Base Capacity. The Average Heat Rate at Summer Maximum Base Capacity is a blended HHV heat rate for all MW included in the corresponding capacity level at Summer Maximum Base Capacity.</p> <p>For example, if, for a maximum summer base capacity level of 300 MW, the first 250 MW have a Marginal Heat Rate of 7.000 MMBtu/MWh and the remaining 50 MW have a Marginal Heat Rate of 10.000 MMBtu/MWh, the Average Heat Rate for the maximum capacity level of 300 MW is 7.500 MMBtu/MWh = [(250 x 7.000) + (50 x 10.000)] / (250 + 50).</p> <p>INCLUDE IN RFP PORTAL RESPONSE</p>

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Winter Minimum Permitted Dispatch Level	All Product Packages	<p>Please provide the “Winter Minimum Permitted Dispatch Level” for the Facility, or portion thereof allocated to Buyer, in each base operating mode. “Winter Minimum Permitted Dispatch Level” means the minimum net MW that the Facility, or the portion allocated to Buyer, is capable of delivering reliably to Buyer at the Energy Delivery Point for the referenced winter condition of 68° Fahrenheit, 74% relative humidity, excluding capacity associated with operating modes such as duct firing, power augmentation, inlet chilling, or other such operating modes.</p> <p>INCLUDE IN RFP PORTAL RESPONSE</p>
Winter Maximum Base Capacity	All Product Packages	<p>Please provide the “Winter Maximum Base Capacity” for the Facility, or portion thereof allocated to Buyer, in each base operating mode. “Winter Maximum Base Capacity” means the maximum net MW that the Facility, or the portion allocated to Buyer, is capable of delivering reliably to Buyer at the Energy Delivery Point for the referenced winter condition of 68° Fahrenheit, 74% relative humidity, excluding capacity associated with operating modes such as duct firing, power augmentation, inlet chilling, or other such operating modes.</p> <p>INCLUDE IN RFP PORTAL RESPONSE</p>
Average Heat Rate at Winter Minimum Permitted Dispatch Level	All Product Packages	<p>Please provide the Average Heat Rate at Winter Minimum Permitted Dispatch Level. The “Average Heat Rate at Winter Minimum Permitted Dispatch Level” is a blended HHV heat rate for all MW included in the corresponding capacity level at the Winter Minimum Permitted Dispatch Level.</p> <p>INCLUDE IN RFP PORTAL RESPONSE</p>
Average Heat Rate at Winter Maximum Base Capacity	All Product Packages	<p>Please provide the Average Heat Rate at Winter Maximum Base Capacity. The “Average Heat Rate at Winter Maximum Base Capacity” is a blended HHV heat rate for all MW included in the corresponding capacity level at the Winter Maximum Base Capacity.</p> <p>For example, if, for a maximum winter capacity level of 300 MW, the first 250 MW have a Marginal Heat Rate of 7.000 MMBtu/MWh and the other 50 MW have a Marginal Heat Rate of 10.000 MMBtu/MWh, the Average Heat Rate for the maximum winter capacity level of 300 MW is 7.500 MMBtu/MWh = $[(250 \times 7.000) + (50 \times 10.000)] / (250 + 50)$.</p>

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Shoulder Season Maximum Base Capacity	All Product Packages	<p>Please provide the “Shoulder Season Maximum Base Capacity” for the Facility, or portion thereof allocated to Buyer, in each base operating mode. “Shoulder Season Maximum Base Capacity” means the maximum net MW that the Facility, or the portion allocated to Buyer, is capable of delivering reliably to Buyer at the Energy Delivery Point for the referenced Shoulder Season condition of 82° Fahrenheit, 65% relative humidity, excluding capacity associated with operating modes such as duct firing, power augmentation, inlet chilling, or other such operating modes.</p> <p>INCLUDE IN RFP PORTAL RESPONSE</p>
Summer Maximum Supplemental Capacity	All Product Packages	<p>Please provide the summer capacity (maximum net MW of the Facility, or the portion allocated to Buyer) associated with peaking operating modes such as duct firing, power augmentation, inlet chilling, or other such operating modes at summer reference conditions (97°F, 56% R.H.).</p> <p>INCLUDE IN RFP PORTAL RESPONSE</p>
Summer Supplemental Heat Rate	All Product Packages	<p>Please provide the Summer Supplemental Heat Rate for the Facility, or the portion allocated to Buyer. The “Summer Supplemental Heat Rate” is the blended, or average, HHV heat rate for the Facility at summer reference conditions (97°F, 56% R.H.), i.e., (i) the total fuel consumption when the Facility is operating at a capacity level equal to the sum of the “Summer Maximum Base Capacity” and the “Summer Maximum Supplemental Capacity” (MMBtu/HR) divided by (ii) the sum of the “Summer Maximum Base Capacity” and the “Summer Maximum Supplemental Capacity” (MW). This information was requested in the Supplement Information document posted to the Western RFP Website.</p> <p>INCLUDE IN RFP PORTAL RESPONSE</p>
Winter Maximum Supplemental Capacity	All Product Packages	<p>Please provide the winter capacity (maximum net MW of the Facility, or the portion allocated to Buyer) associated with peaking operating modes such as duct firing, power augmentation, inlet chilling, or other such operating modes at winter reference conditions (68°F, 74% R.H.).</p> <p>INCLUDE IN RFP PORTAL RESPONSE</p>

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Winter Supplemental Heat Rate	All Product Packages	<p>Please provide the Winter Supplemental Heat Rate for the Facility, or the portion allocated to Buyer. The “Winter Supplemental Heat Rate” is the blended HHV heat rate for all MW between the “Winter Maximum Base Capacity” and “Winter Maximum Supplemental Capacity” at winter reference conditions (68°F, 74% R.H.), <i>i.e.</i>, the Winter Supplemental Capacity.</p> <p>INCLUDE IN RFP PORTAL RESPONSE</p>
Shoulder Season Maximum Supplemental Capacity	All Product Packages	<p>Please provide the shoulder season capacity (maximum net MW of the Facility, or the portion allocated to Buyer) associated with peaking operating modes such as duct firing, power augmentation, inlet chilling, or other such operating modes at shoulder season reference conditions (82°F, 65% R.H.).</p> <p>INCLUDE IN RFP PORTAL RESPONSE</p>
Shoulder Season Supplemental Heat Rate	All Product Packages	<p>Please provide the Shoulder Season Supplemental Heat Rate for the Facility, or the portion allocated to Buyer. The “Shoulder Season Supplemental Heat Rate” is the blended HHV heat rate for all MW between the “Shoulder Season Maximum Base Capacity” and “Shoulder Season Maximum Supplemental Capacity” at shoulder season reference conditions (82°F, 65% R.H.), <i>i.e.</i>, the Shoulder Season Supplemental Capacity.</p> <p>INCLUDE IN RFP PORTAL RESPONSE</p>
Minimum Run Time per Completed Start	Product Packages B, C and D	<p>Please provide the minimum number of hours (excluding start-up time) that Buyer will be required to run or dispatch a generating unit, or an allocated portion thereof, between a Completed Start and a scheduled shutdown of such generating unit, or an allocated portion thereof, in each mode of operation.</p> <p>INCLUDE IN RFP PORTAL RESPONSE</p>
Minimum Downtime between Shutdown and Start-up	Product Packages B, C and D	<p>Please provide the minimum period of time between the shutdown (to 0 MW) of a generating unit, or an allocated portion thereof, and the commencement of a Start-up of such unit, or allocated portion thereof, following such shutdown.</p> <p>INCLUDE IN RFP PORTAL RESPONSE</p>
Time Required for a Completed Start –	Product Packages B, C and D	<p>Please provide the period required to achieve a Completed Start (measured from the mechanical commencement of such Completed Start) for a cold start condition. (In</p>

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Cold Start		<p>formulating the response for proposals submitted under Product Package B or C, Bidders may disregard the “30-minute minimum maintenance” requirement referenced in item 21 of either Product Package.)</p> <p>INCLUDE IN RFP PORTAL RESPONSE</p>
Time Required for a Completed Start – Warm Start	Product Packages B, C and D	<p>Please provide the period required to achieve a Completed Start (measured from the mechanical commencement of such Completed Start) for a warm start condition. (In formulating the response for proposals submitted under Product Package B or C, Bidders may disregard the “30-minute minimum maintenance” requirement referenced in item 21 of either Product Package.)</p> <p>INCLUDE IN RFP PORTAL RESPONSE</p>
Time Required for a Completed Start – Hot Start	Product Packages B, C and D	<p>Please provide the period required to achieve a Completed Start (measured from the mechanical commencement of such Completed Start) for a hot start condition. (In formulating the response for proposals submitted under Product Package B or C, Bidders may disregard the “30-minute minimum maintenance” requirement referenced in item 21 of either Product Package.)</p> <p>INCLUDE IN RFP PORTAL RESPONSE</p>
Amount of Gas Required for a Completed Start - Cold Start	Product Packages B, C and D	<p>Please provide the estimated amount of gas required to achieve a Completed Start (measured from the mechanical commencement of such Completed Start until achieved), measured in MMBtu per start for a cold start condition. (See parenthetical in any of the “time required” cells above.)</p> <p>INCLUDE IN RFP PORTAL RESPONSE</p>
Amount of Gas Required for a Completed Start - Warm Start	Product Packages B, C and D	<p>Please provide the estimated amount of gas required to achieve a Completed Start (measured from the mechanical commencement of such Completed Start until achieved), measured in MMBtu per start for a warm start condition. (See parenthetical in any of the “time required” cells above.)</p> <p>INCLUDE IN RFP PORTAL RESPONSE</p>
Amount of Gas Required for a Completed Start -	Product Packages B, C and D	<p>Please provide the estimated amount of gas required to achieve a Completed Start (measured from the mechanical commencement of such Completed Start until achieved), measured in MMBtu per start for a hot start condition. (See parenthetical</p>

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Hot Start		in any of the “time required” cells above.) INCLUDE IN RFP PORTAL RESPONSE
Maximum Ramp Rate	Product Packages B, C and D	Please provide the maximum rate of change in unit output, as measured by MW/minute, for each mode of operation. INCLUDE IN RFP PORTAL RESPONSE
Fixed O&M Rate	Product Package D	Please provide the non-fuel O&M expense (expressed in \$/kW-yr) for the Facility, or portion thereof allocated to Buyer, that does not change based on energy output of the generating unit. INCLUDE IN RFP PORTAL RESPONSE
VOM Rate	Product Package D	Please provide the variable non-fuel expense (expressed in \$/MWh) for energy corresponding to each MWh of energy produced by the generating unit and delivered to the Energy Delivery Point. INCLUDE IN RFP PORTAL RESPONSE
Fuel Swing and Seasonal Limits	Appendices H, I-1 and I-2	Swing, seasonal and load limitation of the fuel supply via each pipeline. For each pipeline that delivers gas to the Facility, describe the capability to vary the gas flow from the nominated quantity on an hourly and daily basis and to what extent this capability is contractually guaranteed. ADD TO DUE DILIGENCE RESPONSE