



Fulton County, GA

Department of Purchasing & Contract Compliance

December 21, 2012

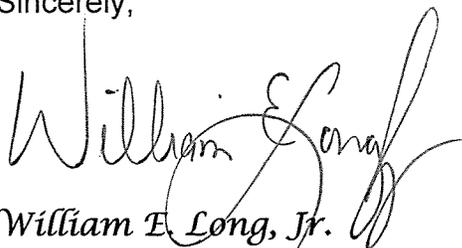
Re: **13ITB201320B-BL, Data Center Colocation Services**

Dear Bidders:

Attached is one (1) copy of Addendum 2, hereby made a part of the above referenced **13ITB201320B-BL, Data Center Colocation Services**.

Except as provided herein, all terms and conditions in the **13ITB201320B-BL, Data Center Colocation Services** referenced above remain unchanged and in full force and effect.

Sincerely,



William E. Long, Jr.
Chief Assistant Purchasing Agent

Winner 2000 - 2009 Achievement of Excellence in Procurement Award • National Purchasing Institute



**13ITB201320B-BL, Data Center Colocation Services
Addendum No. 2**

This Addendum forms a part of the contract documents and **modifies** the original RFP documents as noted below:

Questions Submitted and Fulton County's official response to questions

QUESTION: Section 12, page 28, bullet point "H" states 120v/30a circuits are requested. Later it states L5-20 and that would be a 120v/20a circuit. Would you please confirm?

RESPONSE: *Two types of circuits NEMA L5-30P and NEMA L6-30P will provide power for two types of cabinet mounted PDU's AP7932 and AP8941. Both circuits are rated at 30a. However, the last item on Schedule A "Fujitsu BX900 Chassis" will require 4 ea. L6-30P-120V 30a and will be located to one of the contractor provided cabinets.*

QUESTION: Fulton County can you provide additional clarification on the quantity of circuits required please note the spread sheet on page 77 do does not agree with page 28.

RESPONSE: *Not all items on Schedule A will require separate cabinet. Please update cabinet power & receptacle requirements per below:*

10ea. Contractor furnished Cabinets must be configured as follows:

Quantity of 9 Cabinets: 1 ea. L5-30P 120v 30a. and 2ea. NEMA L6-30P 208v 30a

Quantity of 1 Cabinet: 4 ea L6-30P-120V 30a (for Fujitsu Blade Chassis)

10ea. County furnished cabinets/free standing units must be configured as follows:

Quantity of 4 Cabinets: 1 ea. L5-30P 120V 30a. and 2 ea. L6-30P 208V 30a.

Quantity of 2 Cabinets: 4 ea. L6-30P 208V 30a. (for VMAX)

Quantity of 4 Cabinets: 2 ea. L6-30P 208V 30a.

QUESTION: Does Fulton County need 768 sf of space based on circuit count to support the power reference spread sheet page 77 of ITB?

RESPONSE: *The County requires a single area with a minimum of 500 sq.ft. (20'x25') of floor space. A larger area may be proposed by a bidder but is not required by the County.*

QUESTION: Please explain Fulton County's requirement for 4ft clearance between the hot and cold isle.

RESPONSE: *The 48" clearance requirement is judged by the County to be an adequate amount of space to provide technicians sufficient room to maneuver and also provide for optimum cooling of equipment.*

QUESTION: Will Fulton County provide any Racks? If so please provide the rack specifications?

RESPONSE: *Yes... The County anticipates introducing a maximum of ten (10) free standing cabinets which will be in addition to the ten (10) Contractor provided and installed cabinets required in the specifications. The free standing County provided units vary in size from approximately 24"Wx38"Dx75"H to approximately 30"Wx41"Dx77"H*

QUESTION: How many vendor racks will there be? Please provide exact specifications, HxDxW?

RESPONSE: *The County requires ten (10) installed Contractor provided 42RU high cabinets (a-c below or equal) which will accommodate the County provided vertical rack APC brand PDU's.*

- a. APC AR3100 - NetShelter SX 42U x 600mm Wide x 1070mm Deep Enclosure
- b. APC AR7203 - Roof Match Kit for SX to VX 600mm
- c. APC ACF501 - Netshelter SX Roof Fan Tray

QUESTION: How many Fulton County racks will they bring and the exact specifications, HxDxW?

RESPONSE: *The County anticipates introducing a maximum of ten (10) free standing cabinets which will be in addition to the ten (10) Contractor provided and installed cabinets required in the specifications. The free standing County provided units vary*

in size from approximately 24"Wx38"Dx75"H to approximately 30"Wx41"Dx77"H

QUESTION: Will Fulton County require any racks to be included as a part of this response?

RESPONSE: *Yes... The County requires ten (10) installed Contractor provided 42RU high cabinets (a-c below or equal) which will accommodate the County provided vertical rack APC brand PDU's.*

- a. APC AR3100 - NetShelter SX 42U x 600mm Wide x 1070mm Deep Enclosure*
- b. APC AR7203 - Roof Match Kit for SX to VX 600mm*
- c. APC ACF501 - Netshelter SX Roof Fan Tray*

QUESTION: Fulton County is moving the existing equipment from 3 separate metropolitan areas. Please provide the following for each location, Name of the location, Complete address and Equipment inventory to be moved per location.

RESPONSE: *Below are complete addresses for the three locations which are referenced within the equipment inventory listed in Schedule A.*

<i>Name</i>	<i>Address</i>	<i>City, St. Zip</i>
<i>Sungard</i>	<i>5600 United Drive</i>	<i>Smyrna, GA 30082</i>
<i>Fulton County Building (Unnamed)</i>	<i>3977 Aviation Circle</i>	<i>Atlanta, GA 30336</i>
<i>Fulton County Government Center</i>	<i>141 Pryor St. SW, 9th Floor Data Center</i>	<i>Atlanta, GA 30303</i>

QUESTION: Is Fulton County requesting un-rack, package and restack of equipment or will Fulton County do this?

RESPONSE: *Fulton County requires that the selected vendor un-rack, package, move, and re-rack the equipment. This will be done in close coordination with Fulton County technical personnel.*

QUESTION: Please confirm the transport of the equipment is included in the solicitation?

RESPONSE: *Yes, transport of the listed equipment must be included.*

QUESTION: Can Fulton County provide a time line and scope of services required for moving equipment from each data center? -----

RESPONSE: *The County expects that the selected vendor will be able to prepare specified colocation data center space, install the specified power, data cross-connects, Internet connections, and complete all equipment moves within 30 days of written notice to proceed. However, the exact timeline of when the equipment move will actually take place depends upon the County's Telco provided data circuits being in place and other factors. Fulton County requires that the awarded vendor un-rack, package, move, and re-rack the equipment. It is expected that there will be close coordination and cooperation with the County during this phase.*

QUESTION: Is Fulton County requesting services for reconnect, patch equipment in this solicitation or will Fulton County handle this?

RESPONSE: *With the exception of connections required by manufacturer for recertification of moved EMC and Fujitsu equipment, County personnel will reconnect and patch the equipment.*

QUESTION: Is Fulton County requiring cabling be included in this solicitation?

RESPONSE: *All cables between the racks will be provided and managed by Fulton County. The selected vendor will provide the specified power with receptacles within the cabinets and all cross-connect data cabling from Telco demarcation point to the County's distribution cabinet within the cage.*

QUESTION: Will Fulton County require Single mode fiber optic cabling? If yes, how many strands per rack and what type of connectors, i.e. SC, LC?

RESPONSE: *The County will be providing its own cabling and performing its own interconnections between cabinets and equipment within the cage. The only cabling required from the contractor is for power and data circuit cross-connects between cage and Telco demarcations for data and Internet access.*

QUESTION: Will Fulton County require Multimode fiber optic cabling? If yes, 50 micron or 62.5 micron? How many strands per rack and what type of connectors, i.e. SC, LC?

RESPONSE: *Fulton County uses multimode fiber – 50 Micron - LC-LC connectors. However, The County will be providing its own cabling and performing its own interconnections between cabinets and equipment within the cage. The only cabling*

required from the contractor is for power and data circuit cross-connects between cage and Telco demarcation.

QUESTION: Will Fulton County require Copper Cable? If yes, what type- coax or twisted pair or both? How many cables of each per rack? If twisted pair, do they want Category 5E, 6, 6E or 6A? Does the twisted pair cable need to be shielded? F.

RESPONSE: ***In addition to specified power receptacles and data Cross-Connects, the Contractor must initially provide and install ladder racks, cable trays, or similar structures to support the County's ability to run its own cabling between ALL cabinets within the cage (Contractor provided & County provided cabinets). The County will provide and maintain its own data cabling between devices within the caged area. Fulton County's Standard = Category 6E***

QUESTION: Will Fulton County require wire management inside the rack? If yes, vertical or horizontal or both?

RESPONSE: ***Fulton County will be responsible for its own wire management inside the cabinets. The Contractor will provide ladder racks, cable trays, or similar structures for managing cables between the racks.***

QUESTION: Are patch cords required as a part of this solicitation? If yes, how many and of what type and lengths?

RESPONSE: ***Patch cords for use inside the County's cage are not required to be furnished. The County will furnish its own.***

QUESTION: Will Fulton County like to have a certain manufacturer of the structured cabling and hardware?

RESPONSE: ***No***

QUESTION: Does Fulton County require the Vendor to sign their contract or are they open to signing a Vendor contract?

RESPONSE: ***Fulton County requires the vendor to sign Fulton County's contract. However, should the bidder have exceptions to the Fulton County contract, the bidder must list/identify those exceptions when submitting their bid.***

QUESTION: Please provide, if available, the current power consumption for the equipment listed in Schedule A and equipment projected to be placed in the collocation space.

RESPONSE: *Exact consumption is currently unknown... However, the continuous power consumption of 83KW MUST be used for the purpose of providing AC Power cost within section B "Continuing Costs" on the pricing form.*

QUESTION: Will Fulton County coordinate the recertification of their storage equipment once moved or will the Vendor be expected to complete it?

RESPONSE: *The Vendor will be responsible for recertification and be expected to coordinate with both the equipment manufacturer as well as Fulton County.*

QUESTION: Will Fulton County entertain an extension to the stated due date of one week?

RESPONSE: *The County not does foresee a need to extend the bid submission date from the posted January 8, 2012 submission date.*

QUESTION: The bid Pricing Sheet requires the bidder provide costs for three components:
(A.) Transition Costs
(B) Continuing Cost, and
(C) Add-On Costs Services.

While (A) Transition Costs and (B) Continuing Cost are the driving cost behind this project, the (C) Add-On Costs, as explained at the pre-bid conference, are required to be provided, however the (C) Add-On Costs will not be used or added to the costs for (A) Transition Cost and (B) Continuing Costs for determining the bidder's total bid price. Is this understanding correct?

RESPONSE: *Yes, that is correct... Although prices are required to be provided for all items within pricing section "C. Add-On Costs", they will not be used in determining bidders total bid price.*

QUESTION: According to the RFP, you are looking for a collocation data facility. I would like to know how Fulton County is currently backing up its servers and critical work stations. I don't know if you would be the

correct person to direct those questions too. If not, could you possible point me in the right direction?

RESPONSE: *Fulton County is currently backing up its servers and other critical systems by utilizing a multiple layer approach which includes onsite and offsite synchronous and asynchronous equipment, methods, and strategies. Any impact which the County's backup solutions may have upon data center colocation services requirements has been considered within the various provisions of the ITB's Scope of Work and Technical Specifications.*

QUESTION: Section 7: paragraph B: states that the county will provide APC PDU's. It states Fulton will provide (24) 120v/30a & (21) 208v/30a but in section 7 schedule A: equipment lists the count that Fulton needs (18) 208v/30a and (9) 120v/30 circuits. How many total pairs of circuits are to provided as part of this bid?

RESPONSE: *Not all items on Schedule A will require separate cabinet. Please update cabinet power & receptacle requirements per below:*

10ea. Contractor furnished Cabinets must be configured as follows:

Quantity of 9 Cabinets: 1 ea. L5-30P 120v 30a. and 2ea. NEMA L6-30P 208v 30a

Quantity of 1 Cabinet: 4 ea L6-30P-120V 30a (for Fujitsu Blade Chassis)

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Quantity of 2 Cabinets: 4 ea. L6-30P 208V 30a. (for VMAX)

Quantity of 4 Cabinets: 2 ea. L6-30P 208V 30a.

QUESTION: Section 7: paragraph D: states that there will be 9 customer racks and that those racks would be 24Wx38Dx75H & 30Wx41Dx77H How many of each size rack will Fulton be providing?

RESPONSE: *The County provided racks/free standing units are of various sizes which range between the stated dimensions. The exact dimensions of every County provided rack/cabinet for this project is not available at this time.*

QUESTION: Will there be any other free standing racks provided by Fulton from other vendors? If so, how many and what size will they be?

RESPONSE: *At this time Fulton County does not anticipate adding any additional racks outside of the total of 20 (10 County provided & 10 Contractor provided) already described.*

QUESTION: Is the dis-assembly/re-assembly of the existing racks part of the SOW, or will Fulton County do that?

RESPONSE: *Fulton County will expect the selected Contractor to perform any disassembly/re-assembly required to successfully move the County's existing racks.*

QUESTION: Will the IDC provide and install all racks/ladder rack/cable tray, or is that part of sub-contractor SOW?

RESPONSE: *The Contractor receiving award from this ITB is expected to provide and install the vendor provided cabinets as well as all of the ladder racks, cable trays, etc. between all cabinets in the cage.*

QUESTION: Is the engineering of the cabling requirements and equipment layout part of the subcontractor SOW?

RESPONSE: *The Contractor receiving the award from this ITB will be responsible for providing the specified power cabling (whips) to each cabinet as well as the cross-connect cabling as described within the specifications. The County will install any additional cabling, patches, etc., which may be located inside and/or between equipment cabinets.*

QUESTION: Is the equipment listed the ONLY equipment that will be in the racks?

RESPONSE: *Initially... However, equipment may be added or removed at any time during the contract.*

QUESTION: Will the county provide requirements on rack elevations and equipment locations within racks or are they looking to the vendor to provide?

RESPONSE: *The County will provide location requirements for any equipment installed by the vendor.*

QUESTION: Are there any requirements on manufacturers for cabling and cable tray?

RESPONSE: *The County has no requirement for using any particular manufacturer(s) for cabling or cable trays.*

QUESTION: Are there engineering specifications for minimum performance requirements or cabling (Example: OM3 minimum)

RESPONSE: *No. The County will provide its own cabling for interconnection of the County's equipment within the cage. It is expected that the vendor will utilize industry accepted best practices in selecting cables for power, cross-connects to Telco circuits, Internet access, etc.*

QUESTION: Thank you for the response. However, I was asking about a walk thru option for the equipment listed in your current facility that will be moved (Section 7 Page 77). This option provides a more detailed assessment for us when we're putting together our pricing.

RESPONSE: *NO, these areas are highly secured.*

ACKNOWLEDGEMENT OF ADDENDUM NO. 2

The undersigned proposer acknowledges receipt of this addendum by returning one (1) copy of this form with the proposal package to the Department of Purchasing & Contract Compliance, Fulton County Public Safety Building, 130 Peachtree Street, Suite 1168, Atlanta, Georgia 30303 by the RFP due date and time **January 8, 2013, 11:00 A.M.**

This is to acknowledge receipt of Addendum No. 2, _____ day of _____, 20__.

Legal Name of Bidder

Signature of Authorized Representative

Title