



North Carolina Department of Health and Human Services
Division of Health Service Regulation
Certificate of Need Section

2704 Mail Service Center • Raleigh, North Carolina 27699-2704
<http://www.ncdhhs.gov/dhsr/>

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Phone: (919) 855-3873
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June 27, 2012

Lisa Griffin
Manager, Certificate of Need
Financial Planning and Analysis
Novant Health, Inc.
2085 Frontis Plaza Boulevard
Winston-Salem, NC 27103

RE: Exempt from Review –Replacement Angiography Equipment / Presbyterian Hospital / Replace
an existing angiography unit in Angiography Room #2 / Mecklenburg County
FID # 943501

Dear Ms. Griffin:

In response to your letter of June 8, 2012 the above referenced proposal is exempt from certificate of need review in accordance with N.C.G.S 131E-184(a)(7). Therefore, you may proceed to acquire, without a certificate of need, the OEC 9900 Elite angiography unit to replace the existing ADVANTX LCA angiography unit, serial number 34477VPO in Angiography Room #2. Presbyterian Hospital will not be increasing the number of angiography units in the Mecklenburg County angiography inventory nor will Presbyterian Hospital be concurrently operating both angiography units. This determination is based on your representations that the existing angiography unit will be removed by GE Healthcare. Further please be advised that as soon as the replacement equipment is acquired, you must provide the CON Section and the Medical Facilities Planning Section with the serial number of the new equipment to update the. In addition, you should contact the Construction Section to determine if they have any requirements for development of the proposed project.

It should be noted that this Agency's position is based solely on the facts represented by you and that any change in facts as represented would require further consideration by this Agency and a separate determination. If you have any questions concerning this matter, please feel free to contact this office.

Sincerely,

Fatimah Wilson
Project Analyst

Craig R. Smith, Chief
Certificate of Need Section

cc: Construction Section, DHSR
Medical Facilities Planning Section, DHSR



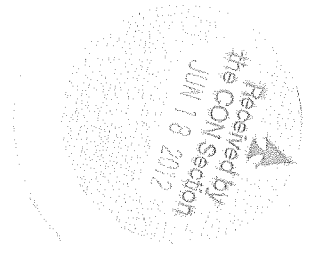


Remarkable People. Remarkable Medicine.

Fatimah

June 8, 2012

Fatimah Wilson, Project Analyst
NC Division of Health Service Regulation
Certificate of Need Section
809 Ruggles Drive.
Raleigh, NC 27603



Re: Replacement Equipment Exemption Request – Angiography Equipment
(Angiography Room #2) at Novant Health’s Presbyterian Hospital (FID # 943501)/
Mecklenburg County

Dear Ms. Wilson:

This letter outlines Presbyterian Hospital’s project to replace an existing angiography unit with a new angiography unit located at the hospital. PH currently has three angiography rooms located at the hospital and this replacement relates to the equipment in Angio Room #2 (see Attachment A for a line drawing of the room location). The existing angiography unit is close to ten years old and is beyond its useful life in terms of this technology within Presbyterian Hospital. Presbyterian Hospital seeks to replace this outdated angiography unit with a new unit from GE Healthcare. See Attachment B for the vendor quote. The estimated total cost to acquire and implement the project is \$1,290,882 of which the equipment cost is \$1,063,663. Please note that the vendor pays the freight cost and this is included as part of the total equipment cost in the quote. This project cost does not include: sales, property or excise taxes as Presbyterian Hospital is a non-profit, tax-exempt organization and is not subject to these taxes. In addition, the expense for on-site training on the new unit for the Presbyterian radiology staff is covered by the vendor quote on Page 21. The existing equipment is to be removed by GE Healthcare at an estimated \$1,500 (see the equipment quote summary in Attachment B). Both the existing equipment and the replacement equipment are comparable medical equipment as explained on the following page. This project should be approved by the Agency as exempt pursuant to N.C.G.S. Section 131E-184(a)(7).

This exempt project will replace a functionally similar equipment item and will not increase the inventory of approved angiography equipment in Mecklenburg County. The existing angiography unit is used for angiography procedures at Presbyterian Hospital and the replacement equipment will be used for angiography procedures at Presbyterian Hospital. The proposed new angiography unit is consistent with the replacement equipment definition at 10 NCAC 03R.0214 (d) which states that the replacement equipment is comparable to the equipment being replaced if it has the same technology as the equipment currently in use, although it may possess expanded capabilities due to technological improvements.

Fatimah Wilson

June 8, 2012

Replacement Equipment Request – Presbyterian Hospital Angiography Room # 2

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Pursuant to 10A NCAC 14C.0303 the proposed angiography unit constitutes replacement equipment because:

1. It is comparable to the equipment currently in use. It has the same technology as the equipment currently in use, although it does possess expanded capabilities due to the technological improvements. Both the new angiography equipment and the proposed angiography equipment have been and will be used to produce a wide variety of angiography procedures.
2. It is functionally similar and is used for the same diagnostic or treatment purposes as the equipment currently in use and is not used to provide a new health service.
3. The acquisition of the new equipment will not result in more than a 10% increase in patient charges or per procedure operating expenses within the first twelve months after the replacement equipment is acquired.
4. The existing equipment was not purchased second-hand nor was the existing equipment leased.
5. The replacement equipment is not capable of performing procedures that will result in the provision of a new health service or type of procedure that has not been provided with the existing equipment.

Attached for your convenience please find:

- 1) A line drawing of the Angiography Rooms at PH (Attachment A);
- 2) a vendor equipment price quote (Attachment B);
- 3) project/capital cost schedule which identifies the components of the project costs (Attachment C);
- 4) a certified estimate of related construction costs from an independent licensed North Carolina architect (Attachment D); and
- 5) the NC CON equipment comparison form summarizing essential information about the proposed equipment purchase (Attachment E);

Presbyterian Hospital's acquisition of the replacement angiography unit does not require a certificate of need because none of the definitions of "new institutional health service" set forth in N.C.GS Section 131E-176(16) is implicated. As discussed above, the total cost for the project is \$1,290,882. This is below the \$2 million dollar statutory exemption threshold for replacement equipment. This includes the cost of the equipment, as well as studies, surveys, designs, plans, working drawings, specifications, construction

Fatimah Wilson

June 8, 2012

Replacement Equipment Request – Presbyterian Hospital Angiography Room #3

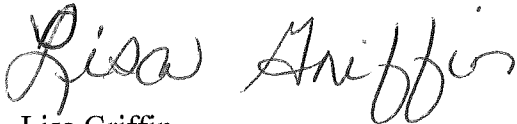
Page 3

installation and other activities essential to making the equipment operational (such as staff training).

In conclusion, based on the information described above, please confirm that Presbyterian Hospital's replacement equipment request does not constitute a "new institutional health service" and does fit within the replacement equipment exemption definition such that it is not subject to certificate of need review.

Please let us know as soon as possible if you need additional information to assist in your consideration of this request. Thank you for your prompt consideration of this request.

Sincerely,



Lisa Griffin

Manager, Certificate of Need

Financial Planning and Analysis

Novant Health, Inc.

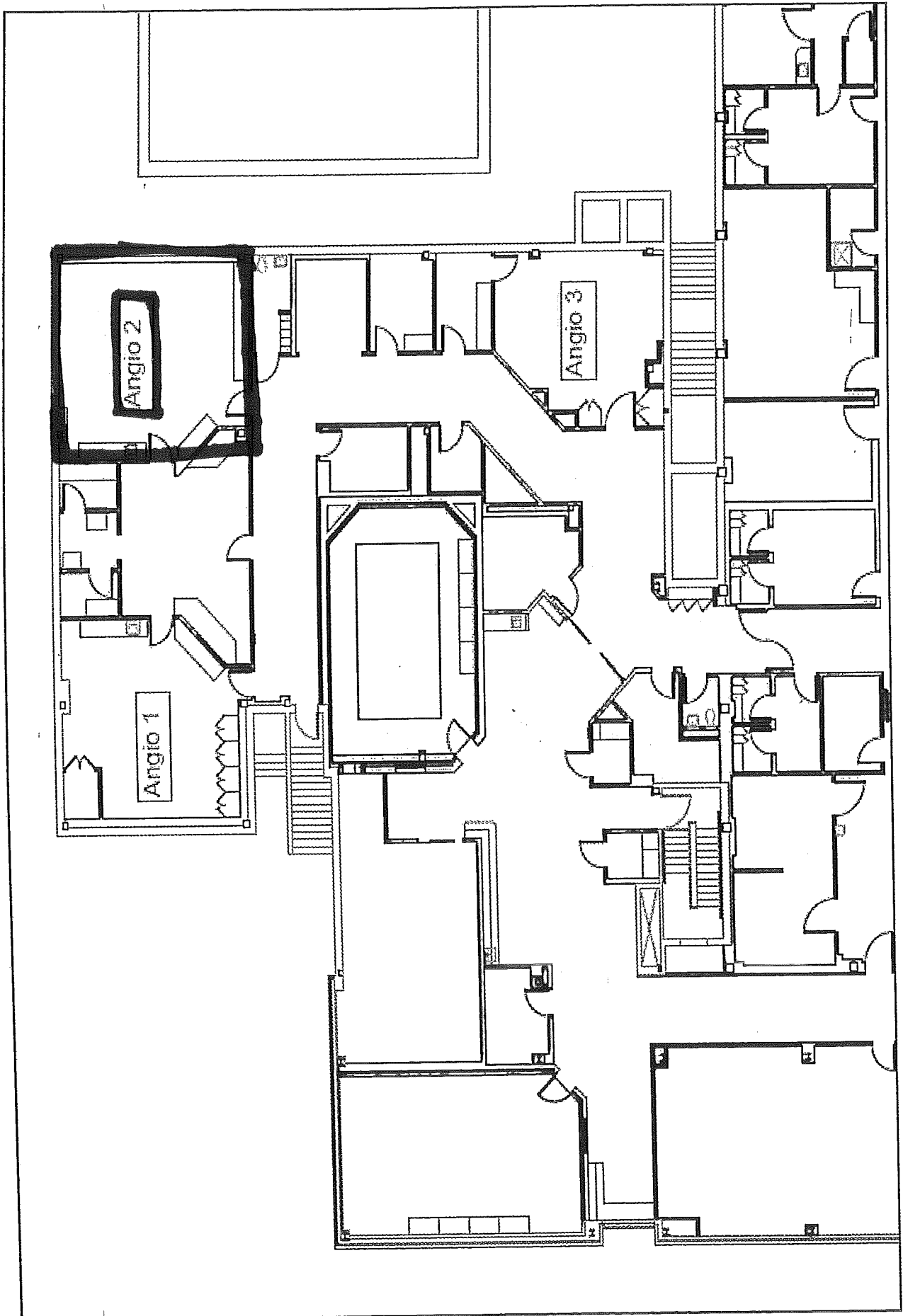
Enclosures

cc: Barbara Freedy, Director, CON, Novant Health
Laura MacFadden, Senior Director, Design & Construction, Novant Health

File: PH Angio Rm #2 REER Cover Letter 06 08 12.doc

Attachment A

Presbyterian Hospital
Angiography Room #2



Attachment B

Quotation Number: P9-C142338 V 5

Presbyterian Hospital
200 Hawthorne Ln
Charlotte NC 28204-2515

Attn: Shelley Hall
200 Hawthorne Ln
Charlotte NC 28204

Date: 06-01-2012

Quote Summary Heading

Qty	Description	Ext Sell Price
1	Innova IGS 540 System	\$1,065,163.45
	Quote Summary:	
	Trade-in(includes deinstall/install new)	(\$3,000.00) ^(a)
	Total Quote Net Selling Price	\$1,062,163.45

(a) Trade in allowance allocation \$1,500 (add to equip price)
Removal allowance allocation 1,500
3,000



Quotation Number: P9-C142338 V 5

Presbyterian Hospital
200 Hawthorne Ln
Charlotte NC 28204-2515

Attn: Shelley Hall
200 Hawthorne Ln
Charlotte NC 28204

Date: 06-01-2012

This Agreement (as defined below) is by and between the Customer and the GE Healthcare business ("GE Healthcare"), each as identified herein. GE Healthcare agrees to provide and Customer agrees to pay for the Products listed in this GE Healthcare Quotation ("Quotation"). "Agreement" is defined as this Quotation and the terms and conditions set forth in either (i) the Governing Agreement identified below or (ii) if no Governing Agreement is identified, the following documents:

- 1) This Quotation that identifies the Product offerings purchased or licensed by Customer;
- 2) The following documents, as applicable, if attached to this Quotation: (i) GE Healthcare Warranty(ies); (ii) GE Healthcare Additional Terms and Conditions; (iii) GE Healthcare Product Terms and Conditions; and (iv) GE Healthcare General Terms and Conditions.

In the event of conflict among the foregoing items, the order of precedence is as listed above.

This Quotation is subject to withdrawal by GE Healthcare at any time before acceptance. Customer accepts by signing and returning this Quotation or by otherwise providing evidence of acceptance satisfactory to GE Healthcare. Upon acceptance, this Quotation and the related terms and conditions listed above (for the Governing Agreement, if any) shall constitute the complete and final agreement of the parties relating to the Products identified in this Quotation. The parties agree that they have not relied on any oral or written terms, conditions, representations or warranties outside those expressly stated or incorporated by reference in this Agreement in making their decisions to enter into this Agreement. No agreement or understanding, oral or written, in any way purporting to modify this Agreement, whether contained in Customer's purchase order or shipping release forms, or elsewhere, shall be binding unless hereafter agreed to in writing by authorized representatives of both parties. Each party objects to any terms inconsistent with this Agreement proposed by either party unless agreed to in writing and signed by authorized representatives of both parties, and neither the subsequent lack of objection to any such terms, nor the delivery of the Products, shall constitute an agreement by either party to any such terms.

By signing below, each party certifies that it has not made any handwritten modifications. Manual changes or mark-ups on this Agreement (except signatures in the signature blocks and an indication in the form of payment section below) will be void.

- Terms of Delivery: FOB Destination
- Quotation Expiration Date: 08-18-2012
- Billing Terms: 10% down / 70% delivery / 20% installation or first patient use
- Payment Terms: UPON RECEIPT
- Governing Agreement: None: US List

Each party has caused this Agreement to be signed by an authorized representative on the date set forth below. Please submit Purchase Orders to: General Electric Company, GE Healthcare, 9900 Innovation Dr, RP2124, Wauwatosa, WI 53226. Fax to (414) 721-4181.

GE HEALTHCARE

Erik Kash Date
Interventional Account Specialist

CUSTOMER

Authorized Customer Date

Print Name and Title

PO #

INDICATE FORM OF PAYMENT:

(If there is potential to finance with a lease transaction, GE HFS or otherwise, select lease.)

___ Cash * ___ Lease ___ HFS Loan

If financing please provide name of finance company below*:

*Selecting Cash or not identifying GE HFS as the finance company declines option for GE HFS financing.



Quotation Number: P9-C142338 V 5

Item No.	Qty	Catalog No.	Description
	1		Innova IGS 540 System
1	1	S18941YT	<p>GE Upgrade Program</p> <p>Innova Image Guided System 540</p> <p>Innova IGS 540 Cardiovascular and Interventional Single Plane System with InnovaIQ Table with Tilt</p> <p>The Innova IGS 540 cardiovascular and vascular x-ray system incorporates GE's exclusive Revolution solid-state digital detector to consistently provide excellent imaging performance through a full range of diagnostic, interventional and cardiovascular procedures.</p> <p>The Innova IGS 540 is a fully integrated imaging system that meets a wide range of clinical needs for interventional and diagnostic imaging with excellent image quality, extensive real-time processing, innovative dose management, ease of positioning, improved workflow and image management for excellent clinical versatility without compromise.</p> <p>The Innova IGS 540 (41 x 41 cm square and 58 cm diagonal) unites image quality, an optimal panel size and built-in protocols for imaging versatility.</p> <p>The Innova Digital Flat Panel Detector</p> <p>The key element in this image chain is GE's patented Revolution Digital detector, which captures dynamic and fluoroscopic images in digital form with very efficient use of X-ray dose. The specially designed Innova IGS 540 Digital System provides optimized and customizable image processing algorithms to take maximum advantage of the unique properties of these images.</p> <p>Dose Reduction</p> <p>The Innova IGS 540 is optimized for dose efficient operation in a wide range of imaging applications. GE's novel dose sensitive design has considered various aspects of dose optimization.</p> <ul style="list-style-type: none"> • Detector dose efficiency: The high DQE of the Revolution detector provides inherent dose efficiency improvements. • Virtual Collimation: Enables you to position the collimator blades without irradiation. • Dynamic exposure optimization - AutoEx: A neural network technology allows advanced exposure management algorithms to dynamically control x-ray technique and beam filtration. This optimizes the contrast-to noise ratio within the image automatically, in real time, without operator intervention. • Temporal dose efficiency: The high temporal resolution of the Revolution



Quotation Number: P9-C142338 V 5

Item No.	Qty	Catalog No.	Description
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detector and the real-time adaptive capability of the Innova IGS 540 architecture allow GE's unique fluoro algorithms to produce dose efficient noise reduction.

- Optimized frame rates: A choice of frame rates to enable dose reduction while capturing dynamic motion with required resolution is available.
- Integrated dose monitoring: This allows monitoring and display of air kerma, integrated air kerma over the exam and the total dose area product received by the patient during a procedure.
- Dose IQ customization: Several image quality and dose strategies are available and can be customized for the various clinical protocols in both Fluoro and Record acquisitions, making the Innova IGS 540 truly versatile without compromise over a wide range of clinical procedures.

Innova IGS 540 Positioner

The Innova IGS 540 combines GE's exclusive Innova LC Positioner with an ergonomically designed tableside user interface to provide easy access and control of critical features during an exam.

- The patented, three-axis isocentric Positioner design with floor mounted L-arm and offset C-arm provides maximum positioning flexibility and excellent patient access in all views.
- The rigid, floor-mounted construction provides minimum vibration and deflection during acquisitions.
- The three motor-driven axes make even the most complex angulations easy to achieve.
- Anatomical and mechanical movement for easy gantry positioning

Innova Digital Flat Panel Image Chain

- 40 cm Revolution Digital Flat Panel Imaging System
- Completely Digital Imaging Chain
- Amorphous Silicon Photodiode Array
- Cesium Iodine Scintillator
- 40 cm x 40 cm Active Area
- 40, 32, 20, and 16 cm Fields of View (measurements are length per side)

Innova IGS 540 X-ray Generation

The Innova IGS 540 utilizes a 100 kW high frequency, Jedi three-phase power unit that provides grid pulsed fluoroscopy capability.

Performix 160A X-ray Tube:



Quotation Number: P9-C142338 V 5

Item No.	Qty	Catalog No.	Description
			<ul style="list-style-type: none"> • 1.0, 0.6 and 0.3 mm (Biased) Effective Focal Spots • Grid Pulsed Fluoroscopy • 3.7 MHU Anode Heat Storage Capacity • 3200 Watt Continuous Casing Heat Dissipation Rate <ul style="list-style-type: none"> - 4500 Watt peak capability for a maximum of 10 minutes • Continuous Water Cooling with External Chiller
			<p>Innova Angiographic Collimator</p> <ul style="list-style-type: none"> • Automated Spectral Filters <ul style="list-style-type: none"> - 0.1, 0.2 and 0.3 mm Thick • Three Independent Motorized Contour Filter Plates including a Central Leg Filter • Functions controlled from tableside.
			<p>Innova Digital Imaging Subsystems</p> <p>A fully integrated imaging system that meets key vascular imaging demands with advanced real-time processing, storage, post processing and display capabilities. Based on the Windows XP operating system, the Innova Digital system is capable of true multitasking with background image networking that increases productivity and speeds patient throughput.</p> <ul style="list-style-type: none"> • High bandwidth, real-time processing and image presentation algorithms optimized for imaging using the Revolution Detector provide superior image enhancement. • Innova Dynamic Range Management provides consistent visibility of vessels and devices over all backgrounds. • Edge enhancement filters automatically adapt to field-of-view changes to maintain consistent image appearance.
			<p>Image Acquisition</p> <ul style="list-style-type: none"> • Fluoroscopy (un-subtracted, roadmap and subtracted) at 30 fps, 15 fps and 7.5 fps • Optional Sub/no Sub simultaneous display at maximum 30 fps (requires an additional in-room B&W LCD monitor) • Optional Angio Acquisition Package: <ul style="list-style-type: none"> - DSA (digital subtracted angiography) at 0.5 - 7.5 fps - Multi-segment DSA and flexible frame rate and duration and single shot capabilities • Dynamic Acquisition Package at 30 fps and 15 fps



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Item No.	Qty	Catalog No.	Description
			<ul style="list-style-type: none"> • Optional Innova Chase acquisition at 5 fps • Field-of-view adjustment from tableside with four magnification selections with 1024 x 1024 image display regardless of acquisition matrix • Integrated X-ray dose tracking and in-room display of air kerma and dose area product • Horizontal and vertical image flip capability for all acquisition modes • Automated electronic shutter matched to collimated portion of image for optimized image display and visualization comfort. • Dynamic Field of View (FOV) - allows FOV change during fluoroscopy without releasing fluoro pedal.
			<p>Image Display</p> <ul style="list-style-type: none"> • Innova IGS 540 includes 1 B&W 19" LCD monitor and 1 console color monitor for control room display of live and reference images. • Additional 19" LCD color monitors can be purchased and installed on the in-room <p>LCD monitor suspension for AW, hemodynamic, and recording systems, ultrasound, IVUS.</p>
			<p>User Interface</p> <ul style="list-style-type: none"> • Dedicated keypad for convenient control of commonly used review functions • Flat graphic display with easy "point-and click" mouse control for patient management and advanced processing and analysis features • Keyboard for patient data entry • Wireless remote for in-lab control of commonly used image playback and processing functions • Tableside TSSC with Contour Filter Controls, Collimation, 72 User Stored Gantry Positions, and Landscaped Roadmapping at Tableside • Virtual Collimation provided with display of Collimator position on Fluoro Last Image Hold • Dual Footswitch with Table Unlock and Footswitch Cover • InfraRed Remote Control for Tableside Review
			<p>Image Management, Connectivity & Workflow</p> <ul style="list-style-type: none"> • Acquisition of data at 14 bits • Cardiac images stored in 8 bits, maximum 450 images per sequence, storage capacity: 136000 cardiac images • DSA images with 12 bits data stored in 16 bits, maximum 450 images per



Quotation Number: P9-C142338 V 5

Item No.	Qty	Catalog No.	Description
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sequence, storage capacity: 68000 DSA images

- DICOM image output on 100Mbit Ethernet with Autosend and background transfer for fast transmission with minimal user interaction
- Capability to do full resolution 1024 x 1024 DICOM push to retain image quality at acquisition (configurable to 512 x 512, for cardiac acquisitions)
- Patient Worklist capability provides a single point of entry of patient data, increasing staff productivity and eliminating clerical errors. Patient information can easily be imported into the digital system from information systems that support DICOM Worklist Service Class Provider.
- MPPS: Modality Performed Procedure Step allows the Innova IGS 540 to share with the hospital information system the main exam parameters.

InnovaIQ Table with Tilt

InnovaIQ Table is a fully motorized tilting table for Innova cardiovascular and interventional X-ray angiographic systems. It features new functionalities that provide effortless, automated and flexible positioning:

- Fully motorized longitudinal and lateral motions even when tilted
- Variable force positioning that allows for smooth and precise motion over the complete range of speeds
- Auto positioning feature that enables the capability to memorize the table and gantry position simultaneously or separately
- A new dedicated auto-positioner memory position for quick return to CPR position (cardiopulmonary resuscitation)
- Includes table panning device with 5 meter cable.
- Can support a total load of 320 kg (705 lbs), comprising a maximum patient weight of 204 kg (450 lbs) for the tabletop, (at any longitudinal, lateral or tilted position), plus 40 kg (88 lbs) of accessories on each of the two side rails, plus 20 kg (44 lbs) of accessories at table end, plus 16 kg (35 lbs) for other miscellaneous components/accessories (i.e. mattress, shoulder rest):
 - Tabletop includes a 2 inch mattress
 - Fluoroscopic coverage from head to toe of 186 cm for Innova IGS 520, 194 cm for Innova IGS 530, and 198 cm for Innova IGS 540.
 - Tabletop length: 333 cm (131 inches)
 - Tabletop width: 46 cm (18 inches) in the patient trunk area
 - Horizontal eight-way float movement



Quotation Number: P9-C142338 V 5

Item No.	Qty	Catalog No.	Description
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- Longitudinal travel: up to 170 cm (66.9 inches)
- Transverse travel: +/- 14 cm (5.5 inches) in manual mode; +/- 13 cm (5.1 inches) with motorized panning
- Vertical travel without tilt: 30 cm (12 inches)
- Vertical travel above floor with tilt: 80 cm (31.5 inches) to 137 cm (54.3 inches) rotation of +/- 180 degrees typical values
- Vertical speed: up to 2.5 cm (1 Inch/s)
- Tilt-related specifications:
 - Tilting angles of 20 degrees head down (Trendelenburg) and 12 degrees heads up (reverse Trendelenburg) - typical values
 - Tilting speed: up to 2 degrees/second
 - Equipped with iso-center tracking and incidence keeping as standard features
 - Incidence keeping available in the range from 20 degrees head down (Trendelenburg) to 12 degrees heads up (reverse Trendelenburg)
 - Dedicated shoulder and foot rest for optimal patient comfort when using maximum tilt

Also includes:

- Smart Box
- Clear vu Arm Support
- Armboard HB 1 Horizontal with replacement pad
- Velcro Quick Straps - 7.6 cm x 9.14 cm
- IV Pole

Warranty:

Full One Year Warranty on System and Revolution Detector. Three Year Non-prorated Warranty on the X-Ray Tube as detailed in Warranty Documentation.

Broadband Built In

Includes hardware install support essential for systems to be ready for high speed internet connection. Enables customer to access GE Healthcare Digital Services designed to improve quality, enhance performance, increase productivity, reduce costs, reduce downtime, expand imaging capabilities, and increase privacy and security of data transmission.

Standard warranty coverage hours for this Innova system are 8 AM to 9 PM local time.



Quotation Number: P9-C142338 V 5

Item No.	Qty	Catalog No.	Description
2	1	S18061AC	<p>Table Head Extender</p> <ul style="list-style-type: none"> • Extender to widen the table top head end for patient comfort
3	1	S18751KT	<p>Tableside Cart</p> <p>The Tableside Cart is designed to hold table side user interfaces (TSUI) of the Innova cardiovascular system. TSUI can then be located at different locations around the imaging system to adapt to the operators working position.</p> <p>Compatible Table Side User Interface (TSUI) allowed to be installed on the Tableside Cart include:</p> <ul style="list-style-type: none"> • Smart Box/Smart Handle • Table Side Status Control (TSSC) • Innova Central Touch Screen • In-room 3D Mouse • Volcano Touch Pad Controller <p>The Cart is designed such that the TSUI's are clamped on its rails exactly the same manner as they are clamped on the table accessory rails.</p> <p>The Tableside Cart is delivered with two accessory rails, each designated to hold up to two Table Side User Interfaces (TSUI).</p> <p>The Tableside Cart can be installed with one or two accessory rails.</p> <p>The height of the rails is customizable:</p> <ul style="list-style-type: none"> • Single rail configuration, the rail can be positioned at 75.5 cm (29.7 in.), 82 cm (32.3 in.), 98 cm (38.6 in.), or 104.5 cm (41.2 in.) • In dual rail configuration, 2 settings are possible: <ul style="list-style-type: none"> - Bottom rail: 75.5 cm (29.7 in.) Top rail: 98 cm (38.6 in.) or - Bottom rail: 82 cm (32.3 in.) Top rail: 104.5 cm (41.2 in.) <p>Two brakes located on the front side of both front wheels, can be used to immobilize the Tableside Cart when needed.</p> <p>The Tableside Cart is certified with Innova IQ Table exclusively.</p>
4	1	S18351AC	<p>In-Room 3D Mouse with GPS Navigation</p> <p>Dedicated in-room user interface allowing direct 3D image manipulation at tableside. An in-room color 19" LCD AW monitor (option to integrate in the LCD suspension) can be activated to display and access various 3D manipulation commands. The ergonomic designed tableside user interface provides direct tableside access to:</p>



Quotation Number: P9-C142338 V 5

Item No.	Qty	Catalog No.	Description
			<ul style="list-style-type: none"> • Image manipulation functions: 360 degree rotation, roam, zoom, shutters • Image visualization functions: Surface, MIP and Volume rendered modes • Image measurements • Image management functions: store and recall of 3D images <p>In-room 3D mouse includes Innova GPS that assists the physician to select the optimal view to perform an intervention by synchronizing real time a pre-acquired Innova 3D model displayed on one of the in-room 19" LCD AW monitor with the gantry angulations of the Innova positioner. Alternatively, the Innova 3D model can be manipulated and the corresponding angles sent to the Innova. The Innova GPS runs on the GE Advantage Workstation Volume Share 2 (2008 release) or higher.</p>
5	1	S18751SA	<p>In Room Browser</p> <p>Enables a thumbnail display of acquired sequences and photos on the in room monitor for interactive table-side selection and review. With a press of a button, transfer the angulation information from a review image to positioner for auto-positioning of the gantry.</p>
6	1	S18751TY	<p>IPX4 Innova Central Touch Screen for IGS Systems</p> <p>The Touch Screen User Interface is a gateway to table-side integration of multiple work-flow enhancing features. The Touch Screen controls not only Innova functions, but also Maclab cardiolab functions (optional). In the future this centralized tableside platform is going to have ability to connect with, and control third-party devices as well.</p>
7	1	S18751FS	<p>FluoroStore</p> <p>Lets you store and play fluoroscopic loops with a push of a button. Enables looping display and storage of the last 450 fluoroscopic images (60 seconds to 15 seconds depending on frame rate). The images are marked with a separate icon to identify them distinctly during the review.</p>
8	1	S18461GA	<p>Two 19 Inch Monochrome LCD Monitor Package</p> <p>All Components Required for Two Monitor In-lab Viewing of High Quality Flicker Free Images. The Kit Includes:</p> <ul style="list-style-type: none"> • 2-19 Inch Premium LCD Monitors • 120Hz Scan Converter Kit
9	1	S18751SH	<p>Simultaneous Image Display with Monitor</p> <p>Includes:</p>



Quotation Number: P9-C142338 V 5

Item No.	Qty	Catalog No.	Description
10	3	S18461GW	<ul style="list-style-type: none"> • Sub/No Sub Software • (1) 48 cm (19 inch) B&W LCD Monitor <p>19 Inch In-room Color LCD Monitor</p> <ul style="list-style-type: none"> • 19 Inch In-room Color LCD Monitor • Dual Input Video Splitter • Required cabling for 2 color inputs • Required cabling from AW to In Room Monitor
11	1	S18391LX	<p>Six LCD Monitor Suspension with 36M Cable</p> <p>All Components Required for In-Room Support of Four LCD Monitors and two other monitors for Physiological Display and the repeater AW In-room Monitor</p> <ul style="list-style-type: none"> • Six Monitor Boom Suspension • Articulating Arm Allows Rotation/Pivot for Optimal Clearance • Pre-Cabled for Four Monitors and the Digital System Remote Receiver • Pre-Cabled for ECG Display Monitor • Accomodates AW In-room Display Option
12	1	S18461GE	<p>19 Inch Monochrome Flat (LCD) Reference Monitor</p> <p>All Components Required for Viewing of High Quality Images. The Kit Includes:</p> <ul style="list-style-type: none"> • 19 Inch Monochrome LCD Control Room Monitor • All Required Cabling
13	1	S1876PE	<p>Innova Main Disconnect Panel - UPS Ready</p> <p>This main disconnect panel provides emergency shut down, undervoltage protection, overcurrent protection, OSHA lockout tag provisions, and serves as a local disconnect for the GEHC Innova system. It reduces installation time and cost by providing a single-point power connection, eliminating the need to mount and wire a number of individual components, and its standardized design and testing assures high product quality and system reliability. It is UL and cUL listed for compliance with National Electric Code, and it can be either surface or semi-flush mounted. Customer is responsible for rigging and arranging for installation with a certified electrician.</p>
14	1	S1875PK	<p>GE Digital Energy 20KVa UPS for Innova Systems</p>
15	1	S18751PK	<p>Innova UPS Interface</p>



Quotation Number: P9-C142338 V 5

Item No.	Qty	Catalog No.	Description
16	1	S18101CH	UL Coolix SMC Auto Transformer
17	1	S1809SS	<p>ig4 Navigation System, 110 Volt, 60Hz</p> <p>The ig4 Navigation System is an electromagnetic localization system which provides 4-dimensional (x, y, z time) registration and displays an interventional instrument, such as a biopsy needle or an ablation needle, on a computer monitor with respect to anatomic imaging and treatment planning.</p> <p>Includes the Agilis Application software that allows for displaying an interventional instrument, such as a biopsy needle or ablation needle, on a computer monitor.</p>
18	1	S18721AF	<p>Administration Package</p> <p>DICOM Patient Worklist Capability Provides Single Point of Entry of Patient Data, Increasing Staff Productivity and Eliminating Clerical Errors. Patient Information can Easily be Imported Into the Digital System From Information Systems That Support DICOM Worklist Service Provider.</p> <p>The Administrative Package is Required for Two-way Information Exchange with the Mac Lab Hemodynamic Recording Systems (Optional).</p> <p>Administration Package includes Multi-destination Push which enables images to be sent to multiple remote DICOM destinations sequentially (one after the other). Multi-destination helps to support a clinical scenario of handling post processing and archival activities in multiple destinations independently of each other (workstation, PACS). Multi-destination provides a seamless integration of the Innova into your workflow.</p>
19	1	S18741TK	<p>Innova 3D for 4100 Vascular and Cardiac</p> <p>This option includes the necessary hardware and software for the Innova 3D Option for acquiring and processing Innova Rotational Angiography and visualizing the results on the AW Workstation. The option also includes the capability of the acquiring 2D rotational spins (InnovaSpin). This option requires the Innova 3D calibration phantom kit and the Volume Viewer capability on the AW Workstation. It also includes the 3D Calibration Suitcase.</p> <p>The acquisition capability includes both the choice of InnovaSpin at 40 degrees per second with DRM applied and Innova 3D acquisition at 40 degrees per second with DRM turned off for reconstruction on the AW Workstation. The Acquisition in both cases spans approximately 200 degrees and takes approximately 5 seconds to complete. Acquisition fields of view are 40x40 cm, 32x32 cm, 20x20 cm, and 16x16 cm on the Innova 4100; 30x30 cm, 20x20 cm, 16x16 cm, and 12x12 cm on the Innova 3100; and 20x20 cm, 16x16 cm, and 12x12 cm on the Innova 2100. Data is</p>



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Item No.	Qty	Catalog No.	Description
20	1	S18701CT	<p>automatically transferred to the AW Workstation for reconstruction and review.</p> <p>The option includes the necessary software on the AW Workstation for reconstruction of the acquired data with appropriate artifact correction applied into slice data sets that can be reviewed utilizing the full capabilities of the Volume Viewer application of the AW Workstation. These capabilities include 3D visualization structure as well as cross sectional slice review.</p> <p>Innova 3D results can be archived utilizing the AW archival capabilities or exported to external storage systems for long term archival.</p> <p>Innova 3D can be used for Cardiac as well as Vascular 3D models.</p> <p>Innova CT Option</p> <p>Innova CT is an applications extension of the Innova 3D Rotational Angiography Option and requires the Innova 3D Option as a pre-requisite. It includes the necessary hardware and software to perform 5, 10, and 20 second acquisition spins for the purpose of acquiring rotational data sets with additional axial angles to improve low contrast resolution and other image quality parameters. These spins yield approximately 150, 300, and 600 axial angles.</p> <p>Acquisition fields of view:</p> <p>Innova 3D and CT acquisition fields for the 4100 are approximately:</p> <p>40 cm x 40 cm Detector FOV for Volume of 24 cm diameter x 24 cm high at 120 cm SID 32 cm x 32 cm Detector FOV for Volume of 19 cm diameter x 19 cm high at 120 cm SID 20 cm x 20 cm Detector FOV for Volume of 12 cm diameter x 12 cm high at 120 cm SID 16 cm x 16 cm Detector FOV for Volume of 9 cm diameter x 9 cm high at 120 cm SID</p> <p>Innova 3D and CT acquisition fields for the 3100/3131 are approximately:</p> <p>30 cm x 30 cm Detector FOV for Volume of 18 cm diameter x 18 cm high at 120 cm SID 20 cm x 20 cm Detector FOV for Volume of 12 cm diameter x 12 cm high at 120 cm SID 16 cm x 16 cm Detector FOV for Volume of 9.6 cm diameter x 9.6 cm high at 120 cm SID 12 cm x 12 cm Detector FOV for Volume of 7 cm diameter x 7 cm high at 120 cm SID</p> <p>Innova 3D and CT acquisition fields for the 2100/2121 are approximately:</p> <p>20 cm x 20 cm Detector FOV for Volume of 12 cm diameter x 12 cm high at 120 cm SID 17 cm x 17 cm Detector FOV for Volume of 10.2 cm diameter x 10.2 cm high at 120 cm SID 15 cm x 15 cm Detector FOV for Volume of 9 cm diameter x 9 cm high at 120 cm SID 12 cm x 12 cm Detector FOV for Volume of 7 cm diameter x 7 cm high at 120 cm SID</p>



Quotation Number: P9-C142338 V 5

Item No.	Qty	Catalog No.	Description
			Innova CT also includes reconstruction software with modified artifact correction and reconstruction parameters designed to optimize the visualization of bone and tissue in the Innova CT data.
21	1	S18751BR	<p>Blended Roadmap</p> <p>Blended Roadmap is a vascular roadmapping application that superimposes a previously acquired vascular image over live fluoroscopy. Clinicians can select any DSA or bolus image as a reference roadmap image. By using it multiple times, it has the potential to minimize contrast media injections during roadmapping. Blended roadmap provides additional features to enhance roadmapping procedures:</p> <ul style="list-style-type: none"> • Adjustment of the subtraction level • Adjustment of the vessels transparency • Automatic resizing of the roadmap image to adapt to the fluoroscopic field of view • Pixel shift of the vessel image to compensate for motion <p>Blended Roadmap is available on systems with either Omega V or InnovaIQ tables. Blended Roadmap requires the Advanced Innova Software Package. On the biplane systems it can be applied to one frame at a time.</p>
22	1	S18741TL	<p>Innova Subtracted 3D</p> <p>Innova Subtracted 3D enhances the Innova 3D application by adding automated sequential mask and contrast spin acquisitions with processing protocols to produce subtracted 3D vascular images. Clinicians may use Subtracted 3D to quickly visualize vessels without the need to remove surrounding bone, tissue, and implanted devices. The output of the 3D processing provides convenient side by side and separate visualization of the mask series, the subtracted vascular anatomy and the standard 3D vascular images.</p> <p>The mask image can be fused onto the subtracted image and their transparency can be adjusted for optimal visualization of the implanted devices in relationship to the vascular anatomy. Innova Subtracted 3D requires the following: Innova 3D, AW VolumeShare5 or higher, and the Advanced Innova Software Package.</p>
23	1	S18021FM	<p>Innova Vision</p> <p>Innova Vision is an advanced application that dynamically fuses in real-time 2D X-ray images and 3D models from multiple modalities to support localization and guidance of catheters, coils and other devices during interventional procedures. Innova Vision includes automatic image registration while fusing 3D models from the current exam and 2D X-ray images throughout the entire exam. It adjusts in real time for all</p>



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Item No.	Qty	Catalog No.	Description
			<p>modifications of C-arm angulations, source-to-image distance, field of view and table height, or lateral/longitudinal position, thus providing device localization of all times.</p> <p>Fused images are displayed on a dedicated monitor in the procedure room for easy viewing.</p> <p>3D models, such as the 3D vessel tree, can be reconstructed from the user's choice of subtracted or non-subtracted rotational angiography (X-ray), computed tomography (CT) or magnetic resonance (MR) images.</p> <p>A dedicated fusion algorithm is applied to optimize visualization of both 2D X-ray and any one of the 3D images on the fused areas.</p> <p>Innova Vision is compatible with either Omega V or InnovalQ Table. Innova Vision requires: Premium AW for Interventional (AW VolumeShare4 configuration), at least one in-room AW monitor, and the Advanced Innova Software Package. The superimposition utilizes the frontal plane 2D images.</p>
24	1	S18021VT	<p>Innova TrackVision</p> <p>Innova TrackVision is an advanced application that provides superimposition of Innova CT with needle trajectory on fluoroscopic image. Visualize needle advancement in real time based on X-ray images fused with predefined 3D trajectories and 3D anatomy. Innova TrackVision includes automatic image registration while fusing the 3D information of a pre-defined trajectory and the 2D X-ray images throughout the entire exam. It adjusts in real time for all modifications of C-arm angulations, source-to-image distance, field of view and table height, or lateral/longitudinal position, thus providing needle localization at all times. The application also allows the physician to automatically position the gantry in the optimal projections for viewing and controlling needle advancement. Fused images are displayed on a dedicated monitor in the procedure room for easy viewing.</p> <p>On Innova CT images, multiple trajectories can be predefined to plan the needle's path, using the dedicated trajectory planning protocol on the Advantage Workstation. Innova TrackVision is compatible with either Omega V or InnovalQ Table. Innova TrackVision requires: Premium AW for Interventional (AW VolumeShare4 configuration), and the Advanced Innova Software Package. For biplane systems the superimposition is performed on the frontal plane 2D image.</p>
25	1	S18751VM	Innova Vision Hardware Package
26	1	M81511VP	<p>AW VolumeShare 5 with Two Flat Panel Monitors and 12GB of RAM. Also Includes Volume Viewer Innova and Synchro 3D.</p> <p>AW VolumeShare 5 is a multi-modality image review, comparison and post processing</p>



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Item No.	Qty	Catalog No.	Description
			<p>workstation built with simplicity and power at its core. Powerful software is optimized to take advantage of state of the art 64 bit technology and multiple cores to ensure leading edge performance.</p> <p>AW VolumeShare 5 features include:</p> <p>Hardware:</p> <ul style="list-style-type: none"> • HP Z800 Workstation with Intel x5650 Six Core Xeon 2.66 GHz CPU with 8MB Shared L2 Cache / 1333 MHz Dual FSB • 6GB DDR-3 1333 ECC DIMM • 300GB SAD 15,000rpm Hard Disk for OS and Apps. • 600GB SAS 15,000rpm Hard Disks for Image Data • 2 x 19" EIZO MX191 monitors <p>Software:</p> <ul style="list-style-type: none"> • Fast access to information you need through optional RIS integration & priors post-fetch • Efficient workflow through dynamic load, end review and Key Image Notes features • Optional productivity package to pre-process exams and allow up to 8 simultaneous sessions • Applications usage monitor to track usage of your system • Smart layouts with Volume Viewer General review protocol that optimizes comparison and single exam layouts • Enhanced multi-modality contouring tool with support for PET SUV's • Support for external DICOM USB media and preference management tool to exchange preferences across users • Support for optional, broad suite of multi-modality advanced applications • Volume Viewer Innova • Synchro 3D
27	1	M81531VC	VS5 S/W ONLY UPGR.F/XW84
28	1	M81521AT	<p>AutoBone Xpress</p> <p>AutoBone Express is a Software Package that provides Automatic Segmentation of Bony Structures and Calcified Plaques Optimized for the latest CTA Acquisition Techniques.</p> <p>AutoBone Xpress Clinical Benefits:</p> <ul style="list-style-type: none"> • 0-Click Segmentation of Bony Structures to facilitate Vascular Structures



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Item No.	Qty	Catalog No.	Description
29	1	M81531DB	<p>Visualization for any Anatomy including Head and Neck CTA.</p> <ul style="list-style-type: none"> 1-Click Automatic Segmentation of Calcifications for Abdominal CTA and Run-Off Exams. Side-by-Side display of Vessels in 3D MIP with and without Calcifications provides a Direct Access to Calcified Plaques effect on Vessel Lumen. <p>Operator Productivity Benefits Include:</p> <ul style="list-style-type: none"> Decreased time to First Clinically Relevant Image Segmenting Automatically Bony Structures and providing a Quick 3D MIP Overview of Vascular Structures. Synchronized Viewports enabling Fast confirmation of Results on Reformatted and Native Images. AutoSelect Segmentation Tools may be used to Refine Segmentation by Quickly Adding or Removing Structures. The resulting Volume Rendered Image can be Manipulated to View Vessels Only. Transparent Bones can be Restored for Landmarks. Calcifications can also be Visualized in Transparency to Show Lumen. Optimized Layouts for each Anatomy for Fast and Relevant Visualization. <p>System Requirements:</p> <ul style="list-style-type: none"> VolumeViewer 5 for AW VolumeShare 5. <p>Integrated Registration - Full Fusion Package Upgrade from CT/MR/PET Integrated Registration</p> <p>Integrated Registration will be delivered on AW Volume Share 5,</p> <p>Integrated Registration is designed to provide easy comparison of three dimensional (3D) anatomical images from Computed Tomography (CT), MRI (Magnetic Resonance Imaging), PET (Positron Emission Tomography), Single Photon Emission Computed Tomography (SPECT) and X-Ray Angiography (XA)*.</p> <p>It allows registration and fusion between two volumetric acquisitions, which come from either the same or from different acquisition modalities.</p> <p>Integrated Registration is available on xw8400 and higher. Curent Fusion xw8400 users can easily upgrade to Integrated Registration through a software upgrade.</p> <p>Major features and enhancements are:</p> <ul style="list-style-type: none"> Ability to combine any two fo the 5 modalities together. Automatic propagation of registration across series acquired in the same patient exam (i.e. same frame of reference) and to any series from any loaded exam that have been manually grouped together. Full compatibility of the 3 different registration methods: automatic, manual and



Quotation Number: P9-C142338 V 5

Item No.	Qty	Catalog No.	Description
			<p>landmark that can be combined together to provide an optimal result.</p> <ul style="list-style-type: none"> • 2D, 3D and hybrid 2D/3D Fusion capabilities. • Access to Volume Viewer** functionalities including MPR, Slab and oblique reformations, triple oblique easy definition, Volume Rendering, 3D display, distance and ROI measurements. (The ROI measurement only work on the rigid registered images, not on the non rigid registered images), layout management, segmentations, film and save. • Ability to save registered data as new DICOM series or as Registered DICOM object (except from SPECT saving which is currently a limitation). • Ability to draw and save contours as RTSS DICOM objects. <p>Summary of operation:</p> <ul style="list-style-type: none"> • User loads DICOM 3 CT, MR, PET, SPECT and/or XA data into a Integrated Registration protocol. • Registration is performed based on reference and moving series selection. • User reviews the quality of the registration with visualization tools and validates results. • Optional: user defines and saves the contours of structures of interest. • Registration results are saved. <p>* For XA modality series, Integrated Registration currently supports only the 3D X Ray Angiography (i.e., 3D X-Ray Angiography images stored as CT Image Storage DICOM objects) images acquired with GE Innova equipment and reconstructed with the Innova3DXR application. * Requires Volume Viewer 5 key.</p>
30	1	S18021VZ	<p>AngioViz DSA Parametric Viewer</p> <p>AngioViz is an optional program that operates with the AW 2D viewer software to enable the user to more easily visualize characteristics of vascular flow while viewing either single plane or biplane DSA image sequences. Using a simple user interface which allows the user to select appropriate time portions of a DSA sequence AngioViz produces images which reflect peak opacification, time to peak, and combination of these parameters to represent contrast flow in black and white and color parametric images. AngioViz includes a comparative feature called synchronized series which propogates the same time scale across different DSA series to allow comparison of the different series, for example pre and post interventional DSA runs. The screen save function saves the displayed image and information for convenient review. Save state will save current processing parameters with the sequence displayed and bring these back at a later time for workflow convenience.</p> <p>There are 5 parametric images produced, and the user can designate which one will</p>



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Item No.	Qty	Catalog No.	Description
			<p>come up as the default image when AngioViz is activated. The other images can then be selected from a drop down menu. Each image takes less than one second to produce. The images include:</p> <ul style="list-style-type: none"> • Peak Opacification Image - Monochrome displaying the peak opacification of each pixel in the image series with a monochrome scale • Peak Opacification Image - Color- displaying the peak opacification of each pixel in the image series in a color scale display • Time to Peak Image - Color- displays the time that each pixel in the the image series took to reach peak opacification with a time based color scale • Time to Peak Fusion Image - Color parametic image which combines time to peak and peak opacification with the color scale representing time and the brightness of color at a point representing peak opacification • Peak Opacification - Time to Peak ratio Color-shows the ratio of peak opacification per pixel to time to indicate relative flow per time as the color scale <p>The AngioViz option requires DSA record images from the GE Digital Flat Panel detector angiographic system.</p> <p>System Requirements: Advantage Workstation VS5</p> <p>Note: All software is non-transferable to other hardware, and is non-returnable.</p> <p>Notes and help: AngioViz will process DSA record images from any Innova system - 2100, 3100, 4100, 2121, 3131 - of any manufactured date. It will not accept DSA images from non-GE systems or from GE II based angiographic systems.</p>
31	1	S18021SE	<p>Stenosis Analysis Package for AW</p> <p>The Stenosis Analysis Package is an application designed for estimating vessel dimensions and relevant parameters of the arterial Stenosis morphology in X-Ray angiography. The system is capable of automatic detection of vessel edges and display of stenosis severity.</p>
32	1	S18751SB	<p>Stenosis Analysis Package on DL Digital System</p> <p>The Stenosis Analysis Package is an application designed for estimating vessel dimensions and relevant parameters of the arterial Stenosis morphology in X-Ray angiography. The system is capable of automatic detection of vessel edges and display of stenosis severity.</p>



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Item No.	Qty	Catalog No.	Description
33	1	S18751BK	<p>Innova Onetouch Stenosis Analysis</p> <p>The Innova Onetouch Stenosis Analysis is designed to bring the Stenosis Analysis capability to the tableside using the Innova Central Touch Screen. Program activation, distance measurements and other Stenosis Analysis parameters can be controlled directly on the Touch Screen with fingertip control.</p> <p>Innova Onetouch Stenosis Analysis requires the purchase of either the Stenosis Analysis Software or the Cardiac Analysis Software, as well as the Innova Touch Screen. On biplane systems it can be applied to either plane, processing one plane at a time.</p>
34	1	E6220J	<p>VIS-A-VIS Vitalinq Intercom System for X-ray</p> <p>The VIS-A-VIS Vitalinq intercom system for X-ray is a two-way communication system that is designed to meet the specific needs that arise during diagnostic and interventional procedures. It enables physicians to have continuous two-way conversation with the control room operator during diagnostic and interventional procedures.</p> <p>FEATURES/BENEFITS</p> <ul style="list-style-type: none"> • Capable of picking up conversation in a normal tone of voice, Vitalinq allows control room operators to respond immediately to physicians' requests • Larger format and unique pyramidal construction of the microphones contribute to Vitalinq's high intelligibility, even within the acoustically active space of a full-functioning procedure room • Designed to minimize the loss of articulation by reducing the potential echo path it gathers and transmits speech in a highly efficient manner <p>SPECIFICATIONS</p> <ul style="list-style-type: none"> • Dimensions: 24" x 24" x 20" • Weight: 47 lbs. <p>NOTES:</p> <ul style="list-style-type: none"> • INSTALLATION IS THE RESPONSIBILITY OF THE CUSTOMER • Warranty Period 6 months - Exchange of non conforming products, which are returned to GE during warranty period. • Installation, parts, application training and onsite service is the buyer's responsibility
35	1	E7009CC	Innova 4100 Detector Drapes (20/box)



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Item No.	Qty	Catalog No.	Description
36	1	E8015JB	<p>Omega V Tempurpedic Table Pad (1 in. Thick), 131 in. L</p> <p>GE has partnered with Tempurmedic to produce a 1 in. thick pad that improves patient comfort for long procedures. This mattress is designed for use in acute, sub-acute, and long-term care settings. It is a superior therapeutic adjunct that has been clinically demonstrated effective in supporting comprehensive plans of care intended to prevent and treat pressure ulcers. Healthcare facilities that have converted to this mattress have reported: significant reduction in wound incidence rates, desirable wound healing rates, and better patient comfort. This rectangular mattress is recommended for use with the Omega V Angio table, has a neutral gray color and measures 131 in. L x 22 in. W x 1 in. T...H</p>
37	1	E7018JZ	<p>Mavig 2.5m Ceiling Track without Cable Spooler</p> <p>The Ceiling Track is suited for use of ceiling guided accessories, including radiation protective shields, lamps, injectors, monitors, and other equipment.</p> <p>FEATURES AND BENEFITS</p> <ul style="list-style-type: none"> • The unique structure profile ensures smooth running of the carriage • With little force, the installed system can be moved and positioned • The carriage glides smoothly, even after many years of routine use • Adjustable cross-struts simplifies the system installation
38	1	E3053CC	<p>Mavig 2.5m Cable Spooler for R-96 & Mach 3 Lamp</p> <p>This Mavig cable spooler is used when the R-96 or Mach 3 lamp is track-mounted. The spooler yields and retracts the electrical cable as the lamp travels along the track, eliminating all dangling and tangled power supplies. Warranty Period- 6 months- Exchange of non conforming products, which are returned to GE during warranty period Note: Installation,parts,application training and on-site service are the buyer's responsibility</p>
39	1	E3053CM	Mavig Cable Holders and Stoppers for Ceiling Track (used with Cable Spoolers E3053CC, E3053LT)
40	1	E3053BC	<p>Portegra2 360 Ceiling Column w/ Carriage 58 cm</p> <ul style="list-style-type: none"> • Lower post allows 360 rotation • Upper fixed post is electric with 330 rotation • Each has a load capacity of 18 kg (40 lbs.)
41	1	E3053CH	Contour Shield 76 x 61 cm (with center connect)



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Item No.	Qty	Catalog No.	Description
42	1	E3053LS	<p>Mavig Uniflex R-96 Lamp with Mounting Arm</p> <p>Mavig R-96 examination lamp with mounting arm provides 40,000 lux and color rendering index of 96.5% which improves visualization of different shades of red in the wound area. This lamp comes with a focusable light field size of 14-25 cm and runs on AC 110-120V power. Use the cable spooler when lamp needs to be track-mounted. The spooler yields and retracts the electrical cable as the lamp travels along the track, eliminating all dangling and tangled power supplies. Does not include column. . .E Warranty Period-6 months- Exchange of non conforming products, which are returned to GE during warranty period Note:Installation,parts,application training and on-site service is the buyer's responsibility</p>
43	1	E3053J	<p>Mavig Double-Pivot Lower Body Protector, System Includes: Pivotal, flexible shield, 0.5 mm Lead Equiv., 65 cm x 90 cm, Easy-on Upper Protective Shield, 25 cm x 65 cm, and One Set of Wall Storage Hangers. Mavig Part #: UT6902-US; Sold per Each ..H Warranty Period-6 months- Exchange of non conforming products, which are returned to GE during warranty period Note: Installation, parts, application training and on-site service is the buyer's responsibility</p>
44	2	E7058A	<p>GE Anti-Fatigue Floor Mat</p> <p>FEATURES/BENEFITS</p> <ul style="list-style-type: none"> • Ingenious device for those who spend a lot of time on their feet on concrete or tile surfaces • Cradles feet in cushiony comfort, minimizing stress and fatigue • Sealed to prevent moisture absorption and facilitate cleanup - ideal for medical environments <p>SPECIFICATIONS</p> <ul style="list-style-type: none"> • Dimensions (L x W x D): 60" x 36" x 0.5" • Weight: Approx 22 lbs. • Blue/White Marble Color <p>COMPATIBILITY</p> <ul style="list-style-type: none"> • Cath Labs, Angiography, R&F rooms • Mammography • Ultrasound
45	1	W0100CV	<p>6 Days Interventional X-ray On-site System Training</p> <p>Six full days (1 day = 8 hours) of on-site training for an Innova X-ray system. Includes</p>



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Item No.	Qty	Catalog No.	Description
			one 3-day on-site visit to coincide with system go-live and one 3-day on-site visit approximately 6-8 weeks post system go-live. Training expires 12 months from the date of go-live of equipment or purchase, whichever is the latest.
46	1	W0004CV	4 Days Interventional X-ray On-site System Training Four full week days (1 day = 8 hours) of on-site training for an Innova X-ray System, to be used Monday through Friday. Training expires 12 months from the date of go-live of equipment or purchase, whichever is the latest. Days provided consecutively.
47	1	W4010CV	HQ Class for Innova Single Plane or Biplane with AW Tuition for one student to attend one three-day class for Innova Single Plane or Innova Biplane at the GE Healthcare Institute in Waukesha, WI. Tuition includes local ground transportation, hotel and meals to include breakfast and lunch. Airfare is not included. Training expires 12 months from the date of go-live of equipment or purchase, whichever is the latest.
48	1	S18051NF	Mark V+ Provis Table/Rack Mount Interface
49	1	S18101SP	Installation Template
50	1	S18101SF	Anchor Kit - Above Grade and Through Bolts, 25 mm
51	1	S18111SB	9 foot 6 inch Inboard Monitor Bridge
52	1	S18111SH	Reinforcement Bridge
53	1	S18121RD	In Board Rails, 228 inches long, to be used with LCD Monitor Suspensions
54	1	S18751CD	MAC Lab Cable, 70 inches
55	1	S18741EJ	Group 1 Cable - Maximum Length
56	1	S18061HD	C1 Ground Cable, maximum length
57	1	S18741ER	Group 2 Maximum Length Cable
58	1	S18741EX	Group 3 Cable, Standard Length
59	1	S18741EY	Group 4-5 Cable
60	1	S18741EL	Fast Link Cable
61	1	S18741CG	Bolus Cable Set - 100 ft./30m



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Item No.	Qty	Catalog No.	Description
62	1	S18101SM	Vascular Base Plate Assembly
63	1	S18741TP	Table Plate
64	1	S18741PC	Innova Lift Dolly
65	1	S18101SX	Rails and Cable Drapes
66	1	S18121TB	X-ray Digital Detector Coolant Kit

Quote Summary:

Trade-in(includes deinstall/install new)	(\$3,000.00)
Total Quote Net Selling Price	\$1,062,163.45

(Quoted prices do not reflect state and local taxes if applicable. Total Net Selling Price Includes Trade In allowance, if applicable.)

Service Option invoicing will be separate from the equipment.

For Third Party Products and Services Only. If GE Healthcare has agreed to provide any third party products and/or services (other than GE Healthcare accessories and supplies) to Customer as part of the Quotation, including but not limited to any Commitment Account/Non-Inventory items, (i) GE Healthcare is acquiring such products and/or services on Customer's behalf and not as a supplier of such products and/or services; (ii) GE Healthcare makes no warranties of any kind, express or implied, with respect to such products and/or services (warranties, if any, on such products and/or services will be provided by the manufacturer or service provider, as applicable); (iii) Customer is solely responsible for ensuring that the acquisition and use of such products and/or services is in compliance with applicable laws and regulations, including applicable FDA regulations; and (iv) Customer is solely responsible for any and all claims resulting from or related to the acquisition or use of such products and/or services.

For Mobile Systems Only. For products that are approved by GE Healthcare for use as transportable, relocatable and mobile systems, GE Healthcare will deliver the system to Customer's van manufacturer and furnish final assembly services to place the system in Customer's van. At the time of order, Customer must notify GE Healthcare of the van manufacturer to which the system is to be shipped. It is Customer's responsibility to make arrangements with the van manufacturer for delivery of the van and to comply with any additional planning requirements of the van manufacturer. For MR systems, GE Healthcare's product tests will be performed when assembly in the van is completed and MR system operation will be re-checked when the van is delivered to Customer.

For Healthcare IT Products Only:

a. Payment. Unless specified separately in the Quotation, fees for non-GE Healthcare software and hardware shall be due one hundred percent (100%) on delivery of the applicable software or hardware.



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b. Audit Rights. Upon forty-five (45) days notice GE Healthcare may audit Customer's use of the software. Customer agrees to cooperate with GE Healthcare's audit and to provide reasonable assistance and access to information. If the audit uncovers underpaid or unpaid fees owe to GE Healthcare, Customer agrees to pay those fees and GE Healthcare's costs incurred in conducting the audit within thirty (30) days of written notification of the amounts owed. If Customer does not pay the amounts owed, GE Healthcare may terminate Customer's license to use the applicable software. Customer agrees to permit GE Healthcare to obtain certain reasonable information regarding the users and other use information regarding the software. All of such information shall be treated as confidential information, shall be used solely for the purposes of technical support and auditing the use of the software, and shall not be disclosed to any third party (other than third-party vendors of software licensed to Customer under this Agreement) without Customer's consent.



Attachment C

PROPOSED CAPITAL COSTS

Project Name: PHC Angio Room #2

5-Jun-12

Proponent: Presbyterian Hospital (Novant Health, Inc.)

A. Site Costs

(1)	Full purchase price of land		\$	<u> </u>	N/A
	Acres _____ Price per Acre		\$	<u> </u>	N/A
(2)	Closing Costs		\$	<u> </u>	N/A
(3)	Site Inspection and Survey		\$	<u> </u>	N/A
(4)	Legal fees and subsoil investigation		\$	<u> </u>	N/A
(5)	Site Preparation Costs	\$		<u> </u>	
	Soil Borings	\$		<u> </u>	
	Clearing Earthwork	\$		<u> </u>	
	Fine Grade For Slab	\$		<u> </u>	
	Roads Paving	\$		<u> </u>	
	Concrete Sidewalks	\$		<u> </u>	
	Water and Sewer	\$		<u> </u>	
	Footing Excavation	\$		<u> </u>	
	Footing Backfill	\$		<u> </u>	
	Termite Treatment	\$		<u> </u>	
	Sub-Total Site Preparation Costs		\$	<u> </u>	N/A
(6)	Other (specify)		\$	<u> </u>	N/A
(7)	Sub-Total Site Costs		\$	<u> </u>	0.00

B. Construction Contract

(8)	Cost of Materials	\$	<u>74,352.00</u>	
	General Requirements	\$	<u> </u>	
	Concrete/Masonry	\$	<u> </u>	
	Woods/Doors & Windows/Finishes	\$	<u> </u>	
	Thermal & Moisture Protection	\$	<u> </u>	
	Equipment/Specialty Items	\$	<u> </u>	
	Mechanical/Electrical	\$	<u> </u>	
	Other	\$	<u> </u>	
	Sub-Total Cost of Materials		\$	<u>74,352.00</u>
(9)	Cost of Labor GC Labor		\$	<u>111,527.00</u>
(10)	Other		\$	<u> </u>
(11)	Sub-Total Construction Contract		\$	<u>185,879.00</u>

C. Miscellaneous Project Costs

(12)	Building Purchase		\$	<u> </u>	N/A
(13)	Fixed Equipment Purchase/Lease		\$	<u>1,063,663.00</u>	①
	Other: <i>Old Equipment Removal</i>		\$	<u>1,500.00</u>	✓ see quote
(14)	Movable Equipment Purchase/Lease		\$	<u> </u>	N/A
(15)	Furniture		\$	<u> </u>	N/A
(16)	Landscaping		\$	<u> </u>	N/A
(17)	Consult Fees			<u>2,100.00</u>	
	Architect and Engineering Fees	\$		<u>13,890.00</u>	
	Legal Fees	\$		<u>N/A</u>	
	Market Analysis	\$		<u>N/A</u>	
	DHSR Review Fee			<u>1,600.00</u>	
	Other (contingency)	\$		<u>20,000.00</u>	
	Sub-Total Consultant Fees		\$	<u>37,590.00</u>	
(18)	Financing Costs (e.g. Bond Loan, etc)		\$	<u> </u>	N/A
(19)	Interest During Construction		\$	<u> </u>	N/A
(20)	Other: <i>IT, signage, cleaning</i>		\$	<u>2,250.00</u>	
(21)	Sub-Total Miscellaneous		\$	<u>1,105,003.00</u>	
(22)	Total Capital Cost of Project (Sum A-C above)		\$	<u>1,290,882.00</u>	

Price: \$ 1,063,163
Trade: 1,500
① 1,063,163

Attachment D

Ec,a
Architecture, PC

May 29, 2012

Mr. Craig Smith, Chief
Certificate of Need Section
Division of Health Service Regulation
701 Barbour Drive
Raleigh, NC 27603

Re: Presbyterian Hospital Main – Angio #2

Dear Mr. Smith:

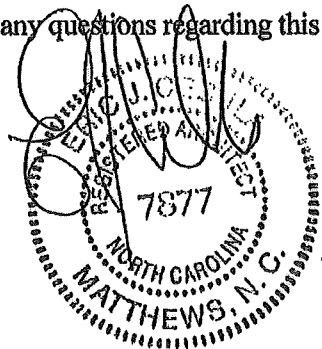
Ec,a Architecture has reviewed the proposal submitted by Revels Contracting Services, Inc. for the remedial construction of a 560 square foot Angio in the existing Presbyterian Hospital building in Charlotte, North Carolina.

It is our opinion, that the scope of the work is adequate to complete the project as discussed and outlined by this proposal. Furthermore, the construction estimate of is reasonable, for the proposed scope of work for the project, when compared to other similar projects in North Carolina. The construction is estimated at \$185,879 and \$13,890 for A&E drawings for a total cost of \$199,769.

If you should have any questions regarding this project, please do not hesitate to contact me. Thank you.

Sincerely,

Eric Cebula, AIA



Ec,a Architecture, PC

Eric J. Cebula, AIA PO Box 30183 Charlotte, NC 28230
704.849.6748 (tel) 800.652.0689 (fax) 704.906.6752 (cell) eca-cebula@carolina.rr.com

Attachment E

Presbyterian Hospital (PH) - Angiography (Angio/Specials Room #2)

	EXISTING EQUIPMENT	REPLACEMENT EQUIPMENT
Type of Equipment (List Each Component)	Angiography Unit	Angiography Unit
Manufacturer of Equipment	GE Healthcare	GE Healthcare
Tesla Rating for MRIs	n/a	n/a
Model Number/Name	ADVANTX LCA	Innova IGS 540
Serial Number	72571VP3	TBD
Provider's Method of Identifying Equipment (RRMC uses an internal numbering system to identify equipment.)	Internal Asset Numbering System	Internal Asset Numbering System
Specify if Mobile or Fixed	Fixed	Fixed
Mobile Trailer Serial Number/VIN #	n/a	n/a
Mobile Tractor Serial Number/VIN #	n/a	n/a
Date of Acquisition	04/09/2003	TBD
Does Provider Hold Title to Equipment or Have a Capital Lease?	Title	Title to be held by PH upon Purchase
Specify if Equipment Was/Is New or Used When Acquired	New	New
Total Capital Cost of Project (Including Construction, etc.) <Use Attached Form for New Equip>	\$ 839,913	\$ 1, 290,882
Total Cost of Equipment	\$ 668,584	\$ 1, 063,663
Fair Market Value of Equipment	n/a	\$ 1, 063,663
Net Purchase Price of Equipment	n/a	\$ 1, 063,663
Locations Where Operated	PH	PH
Number Days In Use/To be Used in N.C. Per Year	365	365
Percent of Change in Patient Charges (by Procedure)	None	None
Percent of Change in Per Procedure Operating Expenses (by Procedure)	None	None
Type of Procedures Currently Performed on Existing Equipment	Angiography	-----
Type of Procedures New Equipment is Capable of Performing	-----	Angiography