



DEPARTMENT OF HEALTH AND HUMAN SERVICES  
DIVISION OF HEALTH SERVICE REGULATION

ROY COOPER  
GOVERNOR

MANDY COHEN, MD, MPH  
SECRETARY

MARK PAYNE  
DIRECTOR

February 2, 2017

Lisa Griffin  
2085 Frontis Plaza Drive  
Winston-Salem, NC 27013

**Exempt from Review – Replacement Equipment**

**Record #:** 2153  
Facility Name: Novant Health Rowan Medical Center  
FID #: 933436  
Business Name: Novant Health Rowan Medical Center  
Business #: 1593  
Project Description: Replace existing Nuclear Medicine Camera  
County: Rowan

Dear Ms. Griffin:

The Healthcare Planning and Certificate of Need Section, Division of Health Service Regulation (Agency), determined that based on your letter of December 30, 2016, the above referenced proposal is exempt from certificate of need review in accordance with N.C. Gen. Stat. §131E-184(a)(7). Therefore, you may proceed to acquire without a certificate of need the GE Healthcare Optima Nuclear Medicine Camera to replace the Phillips Forte Nuclear Medicine Camera Serial #006529. This determination is based on your representations that the existing unit will be removed from North Carolina and will not be used again in the State without first obtaining a certificate of need.

Moreover, you need to contact the Agency's Construction and Acute and Home Care Licensure and Certification Sections to determine if they have any requirements for development of the proposed project.

It should be noted that the 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 office and a separate determination. If you have any questions concerning this matter, please feel free to contact this office.

**HEALTHCARE PLANNING AND CERTIFICATE OF NEED SECTION**

WWW.NCDHHS.GOV

TELEPHONE 919-855-3873

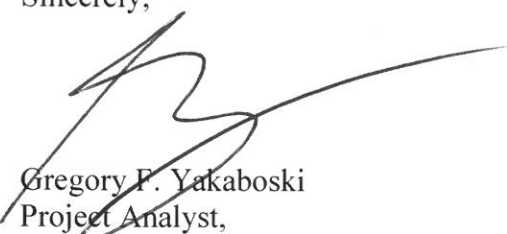
LOCATION: EDGERTON BUILDING • 809 RUGGLES DRIVE • RALEIGH, NC 27603

MAILING ADDRESS: 2704 MAIL SERVICE CENTER • RALEIGH, NC 27699-2704

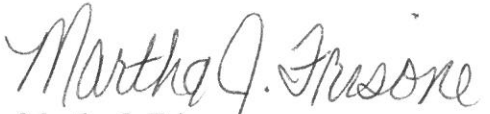
AN EQUAL OPPORTUNITY/ AFFIRMATIVE ACTION EMPLOYER



Sincerely,



Gregory F. Yakaboski  
Project Analyst,  
Certificate of Need



Martha J. Frisone  
Assistant Chief,  
Certificate of Need

cc: Construction Section, DHSR  
Paige Bennett, Assistant Chief, Healthcare Planning, DHSR  
Acute and Home Care Licensure and Certification Section, DHSR

December 30, 2016

Ms. Martha Frisone, Assistant Chief, Certificate of Need  
Healthcare Planning & Certificate of Need (CON) Section  
North Carolina Department of Health & Human Services  
809 Ruggles Drive  
Raleigh, North Carolina 27603

Novant Health  
2085 Frontis Plaza Drive  
Winston-Salem, NC 27103



Re: Replacement Equipment Exemption Request Pursuant to N.C.G.S. 131E-184(a)(7) –  
Nuclear Medicine Camera at Novant Health Rowan Medical Center (NHRMC); Rowan  
County

Dear Ms. Frisone:

This letter outlines Novant Health Rowan Medical Center's (NHRMC's) project to replace an existing nuclear medicine camera located in the hospital's Nuclear Medicine Department with a new GE Healthcare Optima nuclear medicine camera. See **Attachment A** for the vendor quote from GE Healthcare. The total project costs related to the replacement of the nuclear medicine camera are \$955,386, including the new equipment cost of \$496,589. The project cost does not include: sales, property or excise taxes since NHRMC is a non-profit, tax-exempt organization and is not typically subject to these taxes. In addition, the expense for on-site training on the new equipment for the nuclear medicine staff is covered by the vendor quote on Page 10. The existing equipment is to be traded in and removed by GE Healthcare (see page 15 of the quote in **Attachment A**) and disposed of by GE Healthcare.

Both the existing equipment and the replacement equipment are comparable medical equipment as explained in this letter. This exempt project will replace a functionally similar operational equipment item in the nuclear medicine department of NHRMC and will not increase the inventory of nuclear medicine cameras in Rowan County. The proposed new nuclear medicine camera equipment is consistent with the replacement equipment definition at N.C.G.S. Section 131E-176(22a) 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. The existing nuclear camera is used for nuclear medicine scans in the hospital Nuclear Medicine Department and the replacement equipment will be used for nuclear medicine camera scans in the hospital Nuclear Medicine Department.

Pursuant to 10A NCAC 14C.0303 the proposed replacement nuclear medicine camera equipment 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.
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 vendor equipment price quote (**Attachment A**);
- 2) a project/capital cost schedule which identifies the components of the total project costs (**Attachment B**);
- 3) a certified estimate of related construction costs from an independent licensed North Carolina architect (**Attachment C**); and,
- 4) the NC CON equipment comparison form summarizing essential information about the proposed equipment purchase (**Attachment D**).

NHRMC's acquisition of the replacement nuclear medicine camera does not require a certificate of need because none of the definitions of "new institutional health service" set forth in N.C.G.S. Section 131E-176(16) is implicated. As discussed above, the total cost for the project is \$955,386. This includes the cost of the equipment, as well as studies, surveys, designs, plans, working drawings, specifications, construction 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 NHRMC's replacement equipment request does not constitute a "new institutional health service" and does fit within the replacement equipment exemption definition. Therefore, the project 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  
Novant Health, Inc.

Enclosures

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

# Attachment A



GE Healthcare

Date: 12-16-2016  
Quote #: PR11-C84669  
Version #: 8

Novant Health Rowan Regional Medical Center  
612 Mocksville Ave  
Salisbury NC 28144-2732  
Attn: Jamaal Williams  
200 Hawthorne Ln Charlotte  
NC 28204-2515

Customer Number : 1-2313FR  
Quotation Expiration Date: 02-17-2017

This Agreement (as defined below) is by and between the Customer and the GE Healthcare business ("GE Healthcare"), each as identified herein. "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 Warranties; (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 (or the Governing Agreement, if any) shall constitute the complete and final agreement of the parties relating to the Products identified in this Quotation.

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.

Governing Agreement:	Novation - Vizient Supply LLC Group Buy
Terms of Delivery:	FOB Destination
Billing Terms:	80% delivery / 20% Installation
Payment Terms:	NET 30
Total Quote Net Selling Price:	\$496,588.80

INDICATE FORM OF PAYMENT:

If "GE HFS Loan" or "GE HFS Lease" is NOT selected at the time of signature, then you may NOT elect to seek financing with GE Healthcare Financial Services (GE HFS) to fund this arrangement after shipment.

- Cash/Third Party Loan
- GE HFS Lease
- GE HFS Loan
- Third Party Lease (please identify financing company) \_\_\_\_\_

By signing below, each party certifies that it (i) has received a complete copy of this Quotation, including the GE Healthcare terms, conditions and warranties, and (ii) has not made any handwritten or electronic 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.

Each party has caused this agreement to be executed by its duly authorized representative as of the date set forth below.

CUSTOMER

\_\_\_\_\_  
Authorized Customer Signature                      Date

\_\_\_\_\_  
Print Name    Print Title

\_\_\_\_\_  
Purchase Order Number (if applicable)

GE HEALTHCARE

Thomas Harris    12-16-2016

\_\_\_\_\_  
Signature    Date

Product Sales Specialist

Email: Thomas.Harris@med.ge.com  
Office: +1 910 540 2007  
Mobile: 910 540 2007



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Total Quote Selling Price	<b>\$496,588.80</b>
Trade-In and Other Credits	\$0.00
	-----
<b>Total Quote Net Selling Price</b>	<b>\$496,588.80</b>

**To Accept this Quotation**  
Please sign and return this Quotation together with your Purchase Order To:  
**Thomas Harris**  
Office: +1 910 540 2007  
Mobile: 910 540 2007  
Email: Thomas.Harris@med.ge.com

**Payment Instructions**  
Please **Remit** Payment for invoices associated with this quotation to:  
**GE Healthcare**  
**P.O. Box 96483**  
**Chicago, IL 60693**

**To Accept This Quotation**

- Please sign the quote and any included attachments (where requested).
- If requested, please indicate, your form of payment.
- If you include the purchase order, please make sure it references the following information
  - The correct Quote number and version number above
  - The correct Remit To information as indicated in "Payment Instructions" above
  - The correct SHIP TO site name and address
  - The correct BILL TO site name and address
  - The correct Total Quote Net Selling Price as indicated above

"Upon submission of a purchase order in response to this quotation, GE Healthcare requests the following to evidence agreement to contract terms.

Signature page on quote filled out with signature and P.O. number.

\*\*\*\*\*OR\*\*\*\*\*

Verbiage on the purchase order must state one of the following: (i) Per the terms of Quotation # \_\_\_\_\_; (ii) Per the terms of GPO# \_\_\_\_\_; (iii) Per the terms of MPA # \_\_\_\_\_; or (iv) Per the terms of SAA # \_\_\_\_\_, include the applicable quote/agreement number with the reference on the purchase order.

In addition, source of funds (choice of: Cash/Third Party Loan or GE HFS Lease or GE HFS Loan or Third Party Lease through \_\_\_\_\_), must be indicated, which may be done on the quote signature page (for signed quotes), on the purchase order (where quotes are not signed) or via a separate written source of funds statement (if provided by GE Healthcare)."



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#### GPO Agreement Reference Information

Customer: Jamaal Williams  
Contract Number: MULTIPLE  
Start Date: 03/30/2008  
End Date: 12/31/2016

Billing Terms: 80% delivery / 20% Installation  
Payment Terms: NET 30  
Shipping Terms: FOB Destination

NOTICE REGARDING NUCLEAR MEDICINE ("NM") PRODUCTS. This notice applies only to the following GE Healthcare products: NM: Discovery NM 670, Discovery NM 630, Optima NM 640 and Brivo NM 615. GE Healthcare has reclassified several advanced software tools and associated documentation to a GE Healthcare Technical Service Technology package that GE Healthcare feels will bring greater value and interest to our customers. GE Healthcare will continue to provide trained Customer employees with access to the GE Healthcare Technical Service Technology package under a separate agreement. GE Healthcare will continue to provide customers and their third party service providers with access to software tools and associated documentation in order to perform basic service on the CT, MR and NM products listed above upon a request for registration for such access. This will allow GE Healthcare to react faster to the future service needs of GE Healthcare customers. If you have any questions, you can contact your sales Service Specialist.

This product offering is made per the terms and conditions of Novation/GE Healthcare GPO Agreement # XR11041 (NUC).

For access to the applicable Novation Agreement and Contract Summary, please login to the Novation Marketplace website. If you require assistance or are experiencing issues please contact one of the following for support:

Novation Customer Service (888) 7-NOVATE [NOVCustomerService@novationco.com](mailto:NOVCustomerService@novationco.com)

Web Site Technical Support (800) 327-8116 [NovationTechSupport@novationco.com](mailto:NovationTechSupport@novationco.com)





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Qty	Catalog No.	Description
1		<b>Optima NMCT 640 Americas</b>
1	H3100YC	<p>O640 NM/CT System - 3/8" EXCEL</p> <p>O640 NM/CT - 3/8" EXCEL</p> <p>Optima NM/CT 640 EXCEL is a general-purpose high performance hybrid SPECT imaging system. It combines integrated nuclear imaging sub-system featuring a free-geometry slim gantry, advanced all-digital Elite NXT detectors with 3/8" detectors, cantilevered patient table and powerful acquisition station, with a dedicated low-dose high resolution CT imaging sub-system designed for attenuation correction of SPECT and anatomic localization of radiotracer uptake in the body.</p> <p>Including:</p> <p>2 x Slim-All-Digital NM Elite™ NXT detectors with the following key features :</p> <ul style="list-style-type: none"> <li>o 3/8" crystal thickness</li> <li>o 59 high quantum efficiency PMT's, each PMT coupled with one ADC</li> <li>o Extra large, rectangular UFOV with uncut corners: 540 mm x 400 mm (21.25 Inches x 15.75 Inches)</li> <li>o Shielded for 40-620 keV energy range</li> <li>o Contoured detector housing for optimal cardiac and brain SPECT imaging</li> </ul> <p>· 1 x Free-geometry 70 cm bore gantry, featuring real-time automatic body contoured scanning in both 180D and 90D detectors orientations for high efficiency SPECT and WB scans. The gantry features also upright and horizontal detector orientations for maximum clinical versatility and ultra-fast, simultaneous multi-axes motion which provides fast setup with the following key features :</p> <ul style="list-style-type: none"> <li>o Externally mounted detectors, with flexible positioning for all Major clinical studies, including stretcher, standing and seated Patients</li> <li>o Automatic, application-specific home positioning for table and detectors</li> <li>o Real-time status display</li> <li>o Intuitive, icon-based 20 function handset accessible from either side of the gantry</li> <li>o Real-time, infrared automatic body contouring system too safely minimize detector-to-patient distance in whole body, 90 degree SPECT and 180 degree SPECT</li> <li>o Fast, semi-automatic dual collimator exchange</li> </ul> <p>· 1 x Dual-axis premium ergonomic patient imaging table with low-attenuation carbon fiber table-top with the following key features :</p>



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Qty	Catalog No.	Description
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- o Fast, manually controlled emergency patient egress
- o Telescopic transporter ensuring accurate CT-SPECT registration
- o Easy patient handling, comfortable tabletop
- o Obstruction-free floor installation enables table pivot to 45 or 60 degree angles
- o Automatic home positioning for common imaging procedures
- o Optional integrated EKG

1 x user-friendly Hybrid SPECT/CT acquisition station.

The integrated SPECT-CT acquisition console employs a Graphic User Interface for exam scheduling, scan acquisition, CT reconstruction and scan QC as well as utilities for protocol editing and routine quality control and analysis.

In addition, the Bright Speed Elite CT desktop environment is available for CT imaging including: protocol definition, networking and archiving manual film control, as well as CT image processing such as multi-planar reformatting (MPR), multi - projection volume rendering (MPVR) and MR image display. Selection of display color maps:

(a) H/W

- o XW4600 HP workstation
- o Intel® Core 2 Quad Q9300
- o Graphic card - NVIDIA Quadro NVS 290
- o RAM graphic card - 256MB
- o 2 GB RAM
- o Hard drive size 2x80GB
- o Multi-Tasking, Multi-Windows Environment Connectivity via DICOM 3.0
- o Choice of various LCD monitors to be ordered separately
- o Broadband Connectivity to broadband/highspeed VPN (Virtual Private Network) connection, single point of access using 3DES encryption technology

(b) S/W

- o Multi-scan protocols define the normal sequence of scans for the selected study protocol and additional scans can be added.
- o Factory defined protocols support standard NM and SPECT-CT clinical applications.
- o Preview of scan conditions including display of:
  - § Spectrum for each detector is also shown and can be used to adjust the energy window
  - § Persistence display during patient positioning (visible on the console as well as the gantry-side)



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Qty	Catalog No.	Description
		display). § ECG trigger signal display for quality control purposes o Synchronizing patient ECG trigger data with multi-gated nuclear image data framing o Storing the acquired data in the patient database o Online live display of: § Acquired data and imaging parameters § ECG trigger signal § Gantry status including gantry position & detector orientation § Progress and elapsed time § X-Ray exposure indicator o Data Viewer § Threshold and windowing control in multiple window settings § Cinematic display and scroll of dynamic and all multi-frame datasets § Selection of display color maps  · 1 integrated low-dose CT with 4 slice functionality , inherently SPECT-registered CT Transmission attenuation correction and localization with the following key features :  o Tube: GE MX135CT o Tube anode Heat Storage capacity : 2.0 MHU o Generator: GE Gedi 42 AC, 4.2 kW o Clinical operation tube current : 10-30 mA. o Scan Times: 1 or 2 sec per rotation o Pitch factors: 0.75:1, 1.25:1,1.75:1 o Detector type: Ceramic - gadolinium oxysulfide (Gd2O2S) o Number of slices: 4 Slice thickness : 2.5 mm
1	H2506TB	GE NM 600 Series LEHR Collimators (2) with Cart NM 600 LEHR Collimators with Cart NM 600 Low Energy High Resolution Collimators Includes: o Two LEHR Collimators o Collimators Mounted on a Dedicated Collimator Cart



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Qty	Catalog No.	Description
1	H2506TC	GE NM 600 Series MEGP Collimators (2) with Cart NM 600 MEGP Collimators with Cart NM 600 Medium Energy General Purpose Collimators Includes: o Two MEGP Collimators o Collimators Mounted on a Dedicated Collimator Cart
1	H2506TE	GE NM 600 Series HEGP Collimators (2) with Cart NM 600 High Energy General Purpose Collimators Includes: - Two HEGP Collimators Collimators Mounted on a Dedicated Collimator Cart
1	H2506TF	GE NM 600 Series PINHOLE Collimator (1) W/CART A set of 1 pinhole collimator with 3 inserts with collimator cart for NM 600
1	H2506TL	NM600 PINHOLE BILATERAL The Bilateral Pinhole Motion enhancement option enables NM600 Series cameras to perform pinhole collimated imaging of both sides of a patient on the imaging table without moving the patient in procedures such as imaging of bilateral hips anteriorly or bilateral kidneys posteriorly.
1	H3100PE	630 & B615 QC Point Source Holder An L-shaped metal plate attachable to the wall with an opening for a syringe in order to acquire point source-based flood acquisition at a few meters distance from vertically positioned detector for QA purposes.
1	H3100PF	630 & B615 QC Flood Source Holder Kit Quality Control Flood Source Holder Kit A large plate mounted at a small distance above the NM detector on which the flood source is positioned in order to perform acquisition

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Qty	Catalog No.	Description
		of flood studies for QA/QC purposes.
1	H3602SL	QA COR Source Holder Center of rotation source holder for Quality assurance , easily attached to Infinia or Ventri table.
1	H3100PL	NM 600 SERIES BARPHANTOM bar phantom for spatial resolution and linearity tests of gamma cameras. The phantom consists of four quadrants with different bar specification: For each of the quadrant, bar spacing is 2.5mm, 3.2mm, 3.5mm & 4.0mm.
1	H3100NP	STRAPS AND PAD KIT Long table pad and straps
1	H3100PS	NM600 TOUCH RULER NM 600 Touch Ruler An interactive touch-sensitive device mounted at one side of the patient table, used to define nuclear imaging scan range ( start and stop points), saving the need to enter these values manually from the operator console
1	H2506TR	NM600 DETECTORS DISMOUNT NM600 DETECTORS DISMOUNT An option enabling transportation and mobilization of the NM600 series gantry separated from the detectors for easier load in elevators or easier access through restricted paths such as narrow hallways or doorways
1	H3602NH	Evolution for Bone SPECT Camera License EFB SPECT CAMERA LICENSE Enables Camera capability to provide data for Evolution for Bone (EfB). EfB provides Evolution Resolution Recovery reconstruction on SPECT bone scans. The EfB application may be utilized to provide equivalent image quality on half-dose or half-time bone scans.



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Qty	Catalog No.	Description
1	H3602NG	<p>EFB PLANAR CAMERA LICENSE</p> <p>EFB PLANAR CAMERA LICENSE Enables Camera capability to provide data for Evolution for Planar Bone (EfPB). EfPB provides adaptive Structure Matching non-Local filtering on planar bone scans. The EfPB application may be utilized to provide equivalent image quality on half-dose or half-time bone scans.</p>
1	H3602NJ	<p>Evolution for Cardiac Camera License</p> <p>EFC SPECT CAMERA LICENSE Enables Camera capability to provide data for Evolution for Cardiac (EfC). EfC provides Evolution Resolution Recovery reconstruction on SPECT Myocardial Perfusion Imaging (MPI) scans. The EfC application may be utilized to provide equivalent image quality on half-dose or half-time MPI scans.</p>
1	H3602NK	<p>EVOLUTION TOOLKIT Camera License</p> <p>EVOLUTION TOOLKIT CAMERA LICENSE Enables Camera capability to provide data for Evolution Toolkit. The Evolution Toolkit provides Evolution Resolution Recovery reconstruction on SPECT scans resulting in improved resolution and contrast. The Evolution Toolkit application may be utilized with included statistical re-sampling tools to determine optimal dose or time reduction on SPECT studies. Evolution Toolkit supports Tl201, Tc99m, I-123, Ga67, In111, &amp; I-131 isotopes.</p>
1	W0310NM	8 Days Onsite plus 10 Hours TVA



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Qty	Catalog No.	Description
		<p>8 Days Onsite plus 10 Hours TVA</p> <p>Eight days onsite delivered in 3 visits, one 4 day, and two 2 day plus 10 hours TVA training for NM Camera System and Workstation.</p> <p>Onsite training is delivered Monday through Friday between 8AM and 5PM. T&amp;L expenses are included. This training program must be scheduled and completed within 36 months after the date of product delivery.</p>
1	E4502JJ	<p>6 KVA UPS for Nuclear Medicine</p> <p>6 KVA UPS for Nuclear Medicine</p> <p>FEATURES/BENEFITS</p> <ul style="list-style-type: none"> <li>• The use of uninterruptible power enables the system imaging to be completed after the loss of supply power, and allows for saving of valuable data and orderly system shutdown</li> <li>• The Online Double Conversion UPS eliminates all power anomalies such as noise, transients, overvoltage and undervoltage, which could damage the imaging system's sensitive computer components</li> <li>• Improves imaging system reliability, reduces service costs, and increases system uptime</li> <li>• Cell Saver Technology provides conditioned power even during severe brownout conditions without depleting battery resources</li> <li>• System monitoring via: LanSafe III / FailSafe III software, (2) RS-232 Ports</li> <li>• PowerPass Module further enhances reliability through Maintenance Bypass Switch which performs maintenance or upgrade your UPS without powering down your critical systems</li> </ul> <p>SPECIFICATIONS</p> <ul style="list-style-type: none"> <li>• Dimensions (H x W x D): 33.6" x 9.9" x 15.8"</li> <li>• Weight: 218 lbs.</li> <li>• Input Voltage: 200 - 240 VAC</li> <li>• Output Voltage: 120/240, 120/208 VAC</li> <li>• Frequency: 45-65 Hz</li> </ul> <p>COMPATIBILITY</p> <ul style="list-style-type: none"> <li>• Maxxus NM</li> </ul> <p>NOTES:</p> <ul style="list-style-type: none"> <li>• Customer is responsible for rigging and arranging for installation with a certified electrician</li> <li>• ITEM IS NON-RETURNABLE AND NON-REFUNDABLE</li> </ul>
1	E4502SU	<p>MAIN DISCONNECT PANEL FOR GE 640 NM-CT SYSTEM</p>

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Qty	Catalog No.	Description
		Main disconnect panel for GE 640 NM-CT system
1	E8007DC	<p>Ivy 7600 Cardiac Trigger Monitor Kit - No Recorder, Americas Labeling. For GEHC Nuclear Med.</p> <p>The Model 7600 is Ivy Biomedical's fifth generation of cardiac trigger monitors intended primarily for use on patients in applications requiring precision R-wave synchronization. Incorporating a simple, easy to use touchscreen interface, the 7600 displays two simultaneous ECG vectors along with the patient's heart rate. The Trigger ECG vector (top waveform) can be selected from Leads I, II III or Auto Lead Select. The Second ECG vector (bottom waveform) can be selected from Leads I, II or III. If required, High and Low heart rate alarm limits can be adjusted to bracket the patient's heart rate so that a violation of these limits produces an audible and visual indication of the alarm.</p> <p>Includes roll stand</p>
1		<b>Xeleris 3x Upg to X4-0 Workstation</b>
1	S8390BA	<p>X4.0 FROM X3.1 UPGRADE</p> <p>Xeleris 4.0 Software upgrade from Xeleris 3.1</p> <p>Xeleris 4.0 functional imaging workstation is a Nuclear Medicine, PET, NM/CT, and PET/CT processing, analysis, and review system. Designed with productivity in mind, it can accelerate workflow and provides a powerful clinical diagnostic tool to the medical imaging community.</p> <p>Combining streamlined workflow with a comprehensive clinical library and extensive networking capabilities on a functional imaging workstation, Xeleris 4.0 is at the nucleus of productivity in the clinical imaging department. Utilizing the GE Healthcare-wide graphical user</p>





GE Healthcare

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Qty	Catalog No.	Description
		interface, Xeleris 4.0 is the processing and review platform of the Discovery*, Optima* and Brivo* NM and NM/CT series, Infinia* Hawkeye* 4, Ventri, Discovery PET/CT 600 series, and all other molecular imaging cameras in GE Healthcare's current offering. Xeleris 4.0 provides the automated processing and connectivity necessary in today's demanding environment.
1	H3903CM	<p>Xeleris 4 Evolution Bundle</p> <p>Xeleris 4 Evolution Bundle Software License for a single Xeleris 4 Workstation and all its XFL clients. This item contains the following Evolution licenses.</p> <ul style="list-style-type: none"> <li>- Xeleris 4 Evolution for Bone (EfB): Provides Evolution Resolution Recovery reconstruction on SPECT bone scans. The EfB application may be utilized to provide equivalent image quality on half-dose or half-time bone scans. This license processes Infinia 2, Infinia Hawkeye 4, and Discovery 600 family of camera data. EFB SPECT CAMERA LICENSE (H3602NH) required.</li> <li>- Xeleris 4 Evolution for Planar bone (EfPB): Enables reduced time or dose on whole body or spot bone studies. EfPB provides adaptive Structure Matching non-Local filtering on planar bone scans. The EfPB application may be utilized to provide equivalent image quality on half-dose or half-time bone scans. This license processes Infinia 2, Infinia Hawkeye 4, and Discovery 600 family of camera data. Evolution Planar Bone Camera license (H3901NF) required.</li> <li>- Xeleris 4 Evolution for Cardiac (EfC): Provides Evolution Resolution Recovery Reconstruction on SPECT Myocardial Perfusion Imaging (MPI) scans. The EfC application may be utilized to provide equivalent image quality on half-dose or half-time MPI tc99m scans. This license processes Infinia 2, Infinia Hawkeye 4, Ventri, and Discovery 600 family of camera data. EFC SPECT CAMERA LICENSE (H3602NJ) required.</li> <li>- Xeleris 4 Cardiac Morphing (ICM): Provides Elastic registration of gated cardiac cycle to the end diastolic bin. The removal of blurring in the cardiac cycle provides enhanced clarity of myocardial wall visualization. Processes data from Infinia 2, Infinia Hawkeye 4, Ventri and Discovery 600 family of camera data.</li> </ul> <p>CARDIAC MORPHING CAMERA LICENSE (H3602PT) required.</p> <ul style="list-style-type: none"> <li>- Xeleris 4 Evolution Toolkit - A package enabling improved resolution and reduced noise for SPECT studies of 99mTc, 123I, 111In, 131I, Ga67 by the use of the Evolution reconstruction technique with resolution-recovery. This license processes Infinia 2, Infinia Hawkeye 4, and Discovery 600 family of camera data. Evolution Toolkit Camera License (H3602Nk) required.</li> </ul>
1	H3903CP	X4 VMX IR AND 3D NM-PET



GE Healthcare

Date: 12-16-2016  
Quote #: PR11-C84669  
Version #: 8

Qty	Catalog No.	Description
		<p>VMX IR (NM/PET) and 3D FUSION NM/CT</p> <p>VMX Image Registration (IR) allows registration of multiple hybrid data including SPECT/PET/CT/MRI Registered datasets can be displayed in multiple combinations of functional and anatomic display within VMX workflow.</p> <p>Volumetrix 3D for Nuclear Medicine: 3D Fusion and Volume Rendering software for Xeleris 4 workstations.</p> <ul style="list-style-type: none"> <li>-3D display of SPECT/CT fused volumes.</li> <li>-Segmentation to include or exclude portions of either volume in the 3D rendered images, including removal of the table from the CT image, and segmentation default types of Hot Spot, Adjacent, Spine, and Mediastinum</li> <li>-Triangulation to view a defined location in all 2D slices</li> <li>-Clip &amp; Cut Planes to integrate traditional Axial, Sagittal, and Coronal slices simultaneously into the 3D rendered objects</li> <li>-Default Anatomical Classification presets for a broad variety of cases with the ability to create customized presets</li> <li>-Optimized layouts for both Single and Dual Monitor (additional option)</li> </ul> <p>Enables the functionality on Xeleris 4 Workstation and all its XFL clients</p>
1	H3903DE	<p>DATQUANT LICENSE</p> <p>DaTQUANT application allows visual evaluation and quantification of Ioflupane (123I) images. DaTQUANT advanced quantification may provide additional information that would not be revealed by visual reading alone.</p> <p>DaTQUANT includes: &lt;UL LEVEL='FIRST'&gt;&lt;LI LEVEL='FIRST'&gt;Automated non-rigid registration with predefined Ioflupane (123I) template followed by manual adjustment and confirmation &lt;UL LEVEL='FIRST'&gt;&lt;LI LEVEL='FIRST'&gt;Fast Ioflupane (123I) SPECT image quantitative analysis: computation of uptake values in the striatum, striatal binding ratios, putamen/caudate ratios, and left/right asymmetry &lt;UL LEVEL='FIRST'&gt;&lt;LI LEVEL='FIRST'&gt;Repeatable and more accurate analysis &lt;UL LEVEL='FIRST'&gt;&lt;LI LEVEL='FIRST'&gt;Easy and consistent reporting (PDF format) for referring physicians</p> <p>Note: DaTQUANT is available for sale only for countries where Ioflupane (I123) pharmaceutical is approved for use.</p>
1		<b>NonProducts</b>
1		Adac Forte is a \$0 trade-in. GE will Remove the existing Adac Forte- riiging is included



GE Healthcare

Date: 12-16-2016  
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Qty	Catalog No.	Description
1		<b>Xeleris 3.1 IB</b>
1	H3901MD	Evolution for Bone for Xeleris 3.1 EFB FOR XELERIS3.1 This license can only function with pre-requisite JHU-RR (H3901KS/H3901KT) and (H3602NH) EFB SPECT CAMERA LICENSE
1	H3901ME	Evolution for Cardiac for Xeleris 3.1 EFC FOR XELERIS3.1 This license can only function with pre-requisite JHU-RR (H3901KS/H3901KT) and (H3602NJ) EFC SPECT CAMERA LICENSE
1	H3901NC	Evolution toolkit for Xeleris 3.1 Xeleris 3.1 Evolution Toolkit
1	H3901NF	Evolution for Planar Bone for Xeleris 3.1 Xeleris 3.1 Evolution for Planar Bone enables reduced time or dose on whole body or spot bone studies acquired on Discovery 670 NM/CT and Infinia cameras.
1		<b>Infinia Installed Base</b>
1	H3602NG	EFB PLANAR CAMERA LICENSE EFB PLANAR CAMERA LICENSE Enables Camera capability to provide data for Evolution for Planar Bone (EfPB). EfPB provides adaptive Structure Matching non-Local filtering on planar bone scans. The EfPB application may be utilized to provide equivalent image quality on half-dose or half-time bone scans.
1	S8004HS	Infinia IB Evolution License Activator Evolution License activation key for systems working with latest generation Xeleris
1	H3602NH	Evolution for Bone SPECT Camera License EFB SPECT CAMERA LICENSE Enables Camera capability to provide data for Evolution for Bone (EfB). EfB provides Evolution Resolution Recovery reconstruction on



GE Healthcare

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Qty	Catalog No.	Description
		SPECT bone scans. The EfB application may be utilized to provide equivalent image quality on half-dose or half-time bone scans.
1	H3602NJ	Evolution for Cardiac Camera License EFC SPECT CAMERA LICENSE Enables Camera capability to provide data for Evolution for Cardiac (EfC). EfC provides Evolution Resolution Recovery reconstruction on SPECT Myocardial Perfusion Imaging (MPI) scans. The EfC application may be utilized to provide equivalent image quality on half-dose or half-time MPI scans.

**Quote Summary:**

**Total Quote Net Selling Price**

**\$496,588.80**

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

# Attachment B

# PROPOSED CAPITAL COSTS

Project Name: **Replace Nuclear Medicine Camera**

December 21, 2016

Proponent: **Novant Health Rowan Medical Center**

**A. Site Costs**

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

**B. Construction Contract**

(8)	Cost of Materials				
	General Requirements	\$	52,947.00		
	Concrete/Masonry	\$	7,952.00		
	Woods/Doors & Windows/Finishes	\$	123,140.00		
	Thermal & Moisture Protection	\$	-		
	Equipment/Specialty Items	\$	8,500.00		
	Mechanical/Electrical	\$	122,680.00		
	Other Demolition / Deris Removal	\$	7,564.00		
	Sub-Total Cost of Materials			\$	322,783.00
(9)	Cost of Labor GC Labor			\$	25,919.00
(10)	Other - Permitting and Fees			\$	26,714.00
(10) (a)	Other - Construction Contingency			\$	25,920.00
(11)	<b>Sub-Total Construction Contract</b>			\$	<b>375,416.00</b>
(12)	Building Purchase			\$	-
(13)	Fixed Equipment Purchase			\$	496,589.00
	Other (Specify)			\$	-
(14)	Movable Equipment Purchase			\$	-
(15)	Removal & Disposal of PMC Cath Lab #1			\$	-
(16)	Landscaping			\$	-
(17)	Consult Fees			\$	-
	Architect and Engineering Fees	\$	38,000.00		
	Market Analysis	\$	-		
	Other - (Specify)	\$	-		
	Sub-Total Consultant Fees			\$	38,000.00
(18)	Financing Costs (e.g. Bond Loan, etc)			\$	-
(19)	Interest During Construction			\$	-
(20)	Other Project Contingency			\$	-
	Other Permitting and Fees			\$	45,381.00
	Other Information Technology			\$	-
(21)	<b>Sub-Total Miscellaneous</b>			\$	45,381.00
(22)	<b>Total Capital Cost of Project (Sum A-C above)</b>			\$	<b>955,386.00</b>

# Attachment C

100 Queens Road  
Suite 200  
Charlotte, NC 28204  
704/372-2740  
www.McCullochEngland.com



December 7, 2016  
H1677/17

Mr. Darren McKeithan  
Sr. Construction Manager  
Novant Health  
1900 Randolph Road, Suite 500  
Charlotte NC, 28204

Re: Nuclear Medicine Camera Replacement  
Novant Health Rowan Medical Center  
Salisbury, NC

Dear Darren,

This letter shall certify to the best of our knowledge, that the construction costs shown below are the costs which might be expected for this scope of work.

**Preliminary Construction Cost Estimate**

**Nuclear Medicine Camera Replacement**

Estimated Construction Cost: .....	\$	375,416.00
Construction Contingency: .....	\$	<u>45,381.00</u>
Total: .....	\$	420,797.00

Estimated Architectural/Engineering Fee: .....\$ 38,000.00

**Preliminary Estimated Construction Schedule**

- (1) Phase = (12) Weeks

The Preliminary Construction Cost Estimate and Schedule duration has been established with the assistance of Vannoy Construction of Charlotte, North Carolina.

This estimate is for construction costs and Architectural/Engineering fees only. The above estimate does not include equipment, furniture, financing costs, security system costs, IT system costs, or other costs generally attributable to a project of this nature.

Richard A. Henly AIA  
Larry E. May, Jr. AIA  
Grace O. Murray AIA  
Michael D. Rowell AIA  
Ellen S. Standish AIA  
Richard B. Butler AIA  
James M. Wiley AIA  
Jack L. Gill AIA  
Michael K. Satterfield AIA  
Steve A. Assante AIA  
Daniel A. Kinken AIA  
Garrett M. Olin AIA

An Architectural Corporation



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December 7, 2016  
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If you should require any additional information, please do not hesitate to give me a call.

Sincerely,



McCULLOCH ENGLAND ASSOCIATES ARCHITECTS

*Daniel A. Kinken*

Daniel A. Kinken, AIA LEED AP BD&C  
Architect

CC:



*Daniel A. Kinken*

# Attachment D

Novant Health Rowan Medical Center Nuclear Medicine Camera Replacement	EXISTING EQUIPMENT	REPLACEMENT EQUIPMENT
Type of Equipment (List Each Component)	Nuclear Medicine Camera	Nuclear Medicine Camera
Manufacturer of Equipment	Philips	GE Healthcare
Tesla Rating for MRIs	n/a	n/a
Model Number	Forte	Optima
Serial Number	006529	TBD
Provider's Method of Identifying Equipment	Internal Asset Number	Internal Asset Number
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 of Each Component	October 2000	TBD
Does Provider Hold Title to Equipment of Have a Capital Lease?	Title	Title Upon Acquisition
Specify if Equipment Was/Is New or Used When Acquired	New	New
Total Capital Cost of Project (Including Construction, etc.) <Use Attached Form>	\$ 750,000*	\$ 955,386
Total Cost of Equipment	\$ 365,000	\$ 496,589
Fair Market Value of Equipment	\$ 0	\$ 496,589
Net Purchase Price of Equipment	\$ 365,000	\$ 496,589
Locations Where Operated	NHRMC Nuc Med Dept.	NHRMC Nuc Med Dept.
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	Nuclear Med Camera Scans	---
Type of Procedures New Equipment is Capable of Performing	---	Nuclear Med Camera Scans

Notes> \* Estimated; original records unavailable with asset system upgrades since equipment installed & fully depreciated