



DEPARTMENT OF HEALTH AND HUMAN SERVICES  
DIVISION OF HEALTH SERVICE REGULATION

ROY COOPER  
GOVERNOR

MANDY COHEN, MD, MPH  
SECRETARY

MARK PAYNE  
DIRECTOR

August 24, 2017

Lisa Griffin  
2085 Frontis Plaza Drive  
Winston-Salem, NC 27103

**Exempt from Review – Replacement Equipment**

**Record #:** 2358  
**Facility Name:** Novant Health Rowan Medical Center  
**FID #:** 933436  
**Business Name:** Novant Health, Inc.  
**Business #:** 1341  
**Project Description:** Replacement of Nuclear Medicine Camera  
**County:** Rowan


Dear Ms. Griffin:

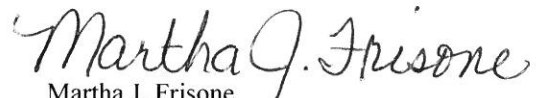
The Healthcare Planning and Certificate of Need Section, Division of Health Service Regulation (Agency) determined that, based on your letter of August 1, 2017 and email of August 16, 2017, the above referenced proposal is exempt from certificate of need review in accordance with N.C. Gen. Stat. §131E-184(a)(7). Therefore, you may proceed to acquire without a certificate of need the Optima NMCT 640 nuclear medicine camera to replace the ADAC Forte #1 nuclear medicine equipment. This determination is based on your representations that the existing unit will be sold or otherwise disposed of and will not be used again in the State without first obtaining a certificate of need if one is required.

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.

Sincerely,

  
Gregory F. Yakaboski  
Project Analyst

  
Martha J. Frisone  
Chief, Healthcare Planning and  
Certificate of Need Section

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

**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



## Yakaboski, Greg

---

**From:** Griffin, Lisa L (CON) <lgriffin@novanthealth.org>  
**Sent:** Wednesday, August 16, 2017 3:30 PM  
**To:** Yakaboski, Greg  
**Subject:** RE: Replacement Equipment Notice for NH Rowan Medical Center - Nuclear Medicine Camera

Hi Greg –

The existing nuclear medicine camera is 17 years old and past its useful life. The vendor is removing it at no additional cost as it relates to the installation of the new camera and will dispose of it, if it cannot reuse any of the parts.

Let me know if you need more information.

Thanks!  
---Lisa  
(704) 384- 3462

---

**From:** Yakaboski, Greg [mailto:greg.yakaboski@dhhs.nc.gov]  
**Sent:** Wednesday, August 09, 2017 2:35 PM  
**To:** Griffin, Lisa L (CON)  
**Subject:** RE: Replacement Equipment Notice for NH Rowan Medical Center - Nuclear Medicine Camera

**WARNING:** This email originated from **outside** of Novant Health.

**Do not click links or open attachments** unless you recognize the sender & are expecting the message.

Hey Lisa,

One thing I did not see (although it might be in the documents you sent) is a statement that

“the existing unit (identify) will be sold or otherwise disposed of and will not be used again in the State without first obtaining a certificate of need if one is required.”

Could you please send me such a statement?

Thanks,  
Greg

Gregory F. Yakaboski  
Project Analyst  
Division Health Service Regulation, Healthcare Planning and Certificate of Need Section  
North Carolina Department of Health and Human Services

919-855-3873 office  
[Greg.yakaboski@dhhs.nc.gov](mailto:Greg.yakaboski@dhhs.nc.gov)

809 Ruggles Drive  
2704 Mail Service Center



Email correspondence to and from this address is subject to the North Carolina Public Records Law and may be disclosed to third parties.

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Unauthorized disclosure of juvenile, health, legally privileged, or otherwise confidential information, including confidential information relating to an ongoing State procurement effort, is prohibited by law. If you have received this e-mail in error, please notify the sender immediately and delete all records of this e-mail.

**From:** Griffin, Lisa L (CON) [mailto:llgriffin@novanthealth.org]  
**Sent:** Tuesday, August 01, 2017 3:26 PM  
**To:** Yakaboski, Greg <greg.yakaboski@dhhs.nc.gov>  
**Cc:** Moore, Veronica M <veronica.moore@dhhs.nc.gov>  
**Subject:** Replacement Equipment Notice for NH Rowan Medical Center - Nuclear Medicine Camera

Greg –

Attached is a request for exemption to replace a nuclear medicine camera at Rowan Medical Center in Salisbury, NC. Please let me know if you have any questions or need more information.

Thank you,

Lisa Griffin  
Manager, Certificate-of-Need/Business Planning  
Novant Health  
(704) 384 - 3462

----- This message and any included attachments are from NOVANT HEALTH INC. and are intended only for the addressee(s). The information contained herein may include trade secrets or privileged or otherwise confidential information. Unauthorized review, forwarding, printing, copying, distributing, or using such information is strictly prohibited and may be unlawful. If you received this message in error, or have reason to believe you are not authorized to receive it, please promptly delete this message and notify the sender by email. If you believe that any information contained in this message is disparaging or harassing or if you find it objectionable please contact Novant Health, Inc. at 1-800-350-0094 or forward the email to [reports@novanthealth.org](mailto:reports@novanthealth.org). Thank you.

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## Yakaboski, Greg

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**To:** 'Griffin, Lisa L (CON)'  
**Subject:** RE: Replacement Equipment Notice for NH Rowan Medical Center - Nuclear Medicine Camera

Hey Lisa,

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Thanks,  
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Gregory F. Yakaboski  
Project Analyst  
Division Health Service Regulation, Healthcare Planning and Certificate of Need Section  
North Carolina Department of Health and Human Services

919-855-3873 office  
[Greg.yakaboski@dhhs.nc.gov](mailto:Greg.yakaboski@dhhs.nc.gov)

809 Ruggles Drive  
2704 Mail Service Center  
Raleigh, NC 27699-2704



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**From:** Griffin, Lisa L (CON) [<mailto:lgriffin@novanthealth.org>]  
**Sent:** Tuesday, August 01, 2017 3:26 PM  
**To:** Yakaboski, Greg <[greg.yakaboski@dhhs.nc.gov](mailto:greg.yakaboski@dhhs.nc.gov)>

**Cc:** Moore, Veronica M <veronica.moore@dhhs.nc.gov>

**Subject:** Replacement Equipment Notice for NH Rowan Medical Center - Nuclear Medicine Camera

Greg –

Attached is a request for exemption to replace a nuclear medicine camera at Rowan Medical Center in Salisbury, NC. Please let me know if you have any questions or need more information.

Thank you,

Lisa Griffin  
Manager, Certificate-of-Need/Business Planning  
Novant Health  
(704) 384 - 3462

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August 1, 2017

**Via Email**

Greg Yakaboski, Project Analyst, Certificate of Need  
N.C. Department of Health Service Regulation  
809 Ruggles Drive  
Raleigh, North Carolina 27603

**NOVANT  
HEALTH**



2085 Frontis Plaza Boulevard  
Winston-Salem, NC 27103

Re: Novant Health, Inc. – Novant Health Rowan  
Medical Center; Replacement of Existing Nuclear  
Medicine Camera; Salisbury, NC (Rowan County)

Dear Mr. Yakaboski:

Novant Health, Inc. and Novant Health Rowan Medical Center (“NHRMC”) intend to replace an existing nuclear medicine camera currently located at the main campus of NHRMC in Salisbury, North Carolina. NHRMC will acquire a new Siemens Optima NMCT 640 nuclear medicine camera. See **Attachment A** for the Equipment Quote. As part of the equipment cost, the vendor will provide onsite clinical training for the equipment. The total capital cost for the proposed replacement equipment project is estimated to be \$1,033,153.50<sup>1</sup>. See **Attachment B** – Project Capital Cost.

The proposed project meets the definition of “replacement equipment” found in G.S. 131E-176(22a) and 10A N.C.A.C 14C.0303 for the following reasons:

- (1) NHRMC will replace the existing nuclear medicine unit with the proposed nuclear medicine unit that is functionally similar and will be used for the same diagnostic purposes, although it possesses expanded capabilities due to technological improvements.
- (2) The proposed nuclear medicine unit will not be used to provide a new health service.
- (3) The acquisition of the proposed nuclear medicine unit 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) NHRMC seeks to replace comparable medical equipment currently in use at project cost less than \$2 million.
- (5) The existing equipment was not purchased second-hand nor was the existing equipment leased.

In support of our request, please find attached:

- Attachment A** – Vendor Equipment Quote
- Attachment B** – Project Capital Cost
- Attachment C** – NC CON Equipment Comparison chart

NHRMC’s acquisition of the replacement nuclear medicine equipment does not require a certificate of need because none of the definitions of “new institutional health services” set forth in N.C.G.S. Section 131E-176(16) apply to the proposed project. As outlined

<sup>1</sup> The project cost does not include sales, property or excise taxes as NHPMC is not subject to these taxes as a non-profit, tax-exempt organization.

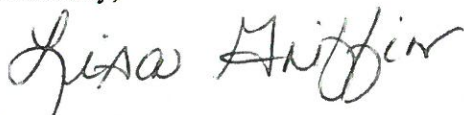
Mr. Greg Yakaboski  
NHRMC – Nuclear Medicine Camera Replacement  
Page 2

above, the total cost for the project is \$1,033,153.50. The proposed capital cost includes equipment, as well as studies, surveys, designs, plans, working drawings, specifications, construction installation and other activities essential to making the equipment operational.

Based on the information provided, please confirm that NHRMC's replacement equipment request does not constitute a new institutional health service and is exempt from certificate of need review.

If you need additional information, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink that reads "Lisa Griffin". The signature is written in a cursive, flowing style.

Lisa Griffin  
Manager, Certificate of Need  
Novant Health, Inc.

Enclosures

Cc: Barbara Freedy, Director, CON, Novant Health



**ATTACHMENT A –  
Equipment Quote**



GE Healthcare

Date: 04-26-2017  
Quote #: PR5-C84875  
Version #: 8

Novant Health Rowan Regional Medical  
Center  
612 Mocksville Ave  
Salisbury NC 28144-2732

Customer Number : 1-2313FR  
Quotation Expiration Date: 06-30-2017

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 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 (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:	\$521,950.00

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

Christopher Plummer    04-26-2017

\_\_\_\_\_  
Signature    Date

Imaging Account Manager

Email: Chris.Plummer@ge.com

Office: +1 317 366 7269



GE Healthcare

Date: 04-26-2017  
Quote #: PR5-C84875  
Version #: 8

<b>Total Quote Selling Price</b>	<b>\$521,950.00</b>
Trade-In and Other Credits	\$0.00
	-----
<b>Total Quote Net Selling Price</b>	<b>\$521,950.00</b>

**To Accept this Quotation**  
 Please sign and return this Quotation together with your Purchase Order To:  
**Christopher Plummer**  
 Office: +1 317 366 7269  
 Email: Chris.Plummer@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)."



GE Healthcare

Date: 04-26-2017  
Quote #: PR5-C84875  
Version #: 8

04-26-2017

**GPO Agreement Reference Information**

Customer:  
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

Web Site Technical Support (800) 327-8116 NovationTechSupport@novationco.com



GE Healthcare

Date: 04-26-2017  
Quote #: PR5-C84875  
Version #: 8

Item No.	Qty	Catalog No.	Description	Ext Sell Price
	1		<b>Optima NMCT 640 Americas</b>	
1	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</li> </ul>	\$320,058.03



GE Healthcare

Date: 04-26-2017  
Quote #: PR5-C84875  
Version #: 8

Item No.	Qty	Catalog No.	Description	Ext Sell Price
			<p>detectors</p> <ul style="list-style-type: none"> <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> <ul style="list-style-type: none"> <li>o Fast, manually controlled emergency patient egress</li> <li>o Telescopic transporter ensuring accurate CT-SPECT registration</li> <li>o Easy patient handling, comfortable tabletop</li> <li>o Obstruction-free floor installation enables table pivot to 45 or 60 degree angles</li> <li>o Automatic home positioning for common imaging procedures</li> <li>o Optional integrated EKG</li> </ul> <p>1 x user-friendly Hybrid SPECT/CT acquisition station.</p> <p>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.</p> <p>1 integrated low-dose CT with 4 slice functionality, inherently SPECT-registered CT Transmission attenuation correction and localization with the following key features:</p> <ul style="list-style-type: none"> <li>o Tube: GE MX135CT</li> <li>o Tube anode Heat Storage capacity: 2.0 MHU</li> <li>o Generator: GE Gedi 42 AC, 4.2 kW</li> </ul>	



GE Healthcare

Date: 04-26-2017  
Quote #: PR5-C84875  
Version #: 8

Item No.	Qty	Catalog No.	Description	Ext Sell Price
			<ul style="list-style-type: none"> <li>o Clinical operation tube current: 10-30 mA.</li> <li>o Scan Times: 1 or 2 sec per rotation</li> <li>o Pitch factors: 0.75:1, 1.25:1,1.75:1</li> <li>o Detector type: Ceramic - gadolinium oxysulfide (Gd2O2S)</li> <li>o Number of slices: 4</li> </ul> Slice thickness: 2.5 mm	
2	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: <ul style="list-style-type: none"> <li>o Two LEHR Collimators</li> <li>o Collimators Mounted on a Dedicated Collimator Cart</li> </ul>	\$9,095.79
3	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: <ul style="list-style-type: none"> <li>o Two MEGP Collimators</li> <li>o Collimators Mounted on a Dedicated Collimator Cart</li> </ul>	\$9,095.79
4	1	H2506TE	GE NM 600 Series HEGP Collimators (2) with Cart NM 600 High Energy General Purpose Collimators Includes: <ul style="list-style-type: none"> <li>- Two HEGP Collimators</li> </ul> Collimators Mounted on a Dedicated Collimator Cart	\$9,095.79
5	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	\$9,853.77
6	1	H2506TL	NM600 PINHOLE BILATERAL The Bilateral Pinhole Motion enhancement option enables NM600	\$1,515.96



GE Healthcare

Date: 04-26-2017  
Quote #: PR5-C84875  
Version #: 8

Item No.	Qty	Catalog No.	Description	Ext Sell Price
			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.	
7	1	H3100PE	630 & B615 QC Point Source Holder	\$37.90
			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.	
8	1	H3100PF	630 & B615 QC Flood Source Holder Kit Quality Control Flood Source Holder Kit	\$170.55
			A large plate mounted at a small distance above the NM detector on which the flood source is positioned in order to perform acquisition of flood studies for QA/QC purposes.	
9	1	H3602SL	QA COR Source Holder	\$170.55
			Center of rotation source holder for Quality assurance , easily attached to Infinia or Ventri table.	
10	1	H3100PL	NM 600 SERIES BARPHANTOM	\$1,894.96
			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.	
11	1	H3100NP	STRAPS AND PAD KIT	\$947.48
			Long table pad and straps	
12	1	H3100NW	Axial Head Holder	\$1,326.47
			AXIAL HEAD HOLDER	





GE Healthcare

Date: 04-26-2017  
Quote #: PR5-C84875  
Version #: 8

Item No.	Qty	Catalog No.	Description	Ext Sell Price
			The Axial Head holder is ergonomically designed to position patient's head outside of the patient tabletop pallet , enabling brain SPECT orbiting as close as possible to the patient's skull with maximal coverage of the target tissue	
13	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	\$1,894.96
14	1	H3100PG	PALLET EXTENDER NM 600 Series Patient Pallet Extender The patient pallet extender for NM 600 Series products can be used to extend the table top for multi-FOV SPECT, SPECT/CT and whole body studies. Length is 600mm; Width is 391mm; 300mm extension Note - The use of the extender requires more space between the camera and the back wall of the scan room. Consult with GE Healthcare project manager for minimum room size requirements.	\$151.60
15	1	H3100YJ	O640 INTERCOM An intercom positioned at the Optioma NM/CT 640 scan room enabling vocal communication between the operator and the patient while the operator is positioned at the system operator console.	\$1,326.47
16	1	B77292CA	CT Service Cabinet Service cabinet for system accessories storage	Incl.
17	1	H2506TR	NM600 DETECTORS DISMOUNT NM600 DETECTORS DISMOUNT	\$2,092.03



GE Healthcare

Date: 04-26-2017  
Quote #: PR5-C84875  
Version #: 8

Item No.	Qty	Catalog No.	Description	Ext Sell Price
			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	
18	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.	\$5,684.87
19	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.	\$5,684.87
20	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.	\$7,579.82
21	1	H3602NK	EVOLUTION TOOLKIT Camera License	\$5,684.87



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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, & I-131 isotopes.

22	1	E4502JJ	6 KVA UPS for Nuclear Medicine	\$4,464.80
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6 KVA UPS for Nuclear Medicine

FEATURES/BENEFITS

- 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
- 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
- Improves imaging system reliability, reduces service costs, and increases system uptime
- Cell Saver Technology provides conditioned power even during severe brownout conditions without depleting battery resources
- System monitoring via: LanSafe III / FailSafe III software, (2) RS-232 Ports
- PowerPass Module further enhances reliability through Maintenance Bypass Switch which performs maintenance or upgrade your UPS without powering down your critical systems

SPECIFICATIONS



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Item No.	Qty	Catalog No.	Description	Ext Sell Price
			<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>	
			COMPATIBILITY	
			<ul style="list-style-type: none"> <li>• Maxxus NM</li> </ul>	
			NOTES:	
			<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>	
23	1	E4502SU	Main Disconnect Panel for GE 640 NM-CT System Main Disconnect Panel for GE 640 NM-CT System	\$3,800.00
24	1	E4502FH	GE Digital Energy 20 KVA UPS GE Digital Energy 20 KVA UPS. Innova Unity Platform required. Also for use with GE Healthcare MR Signa Ovation as a full system UPS.	\$20,800.00
25	1	H3100YY	O640 FIXTURES 4 UPS 480V A set of cables designed to support the connection of the system to a 480V UPS for O640 power regulation purposes.	\$3,840.00
26	1	E8500NA	Butterfly Armrest Butterfly (R-Made) Armrest Designed to support a patient's arms during cardiac SPECT and other imaging procedures. Armrest offers new solution to motion artifact caused by the discomfort and pain of prolonged upper extremity hyperextension and abduction. Fast and easy to use, can be mounted and removed in one piece. and is tightly secured by adjustable mounting straps. Polyethylene construction is durable, nonbreakable, and easily learned. Measures 18 in. L x 14 in. W x 8 in. H; weighs 2.5 lb. Recommended for use with GE Optima Systems. Warranty Code H	\$651.20



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Item No.	Qty	Catalog No.	Description	Ext Sell Price
27	1	E8500NB	<p>Patient Arm Support System for Nuclear, PET/CT, MRI</p> <p>Patient Arm Support for NM, PET/CT, MR</p> <p>Padded Arm Rest combines total arm support and passive restraint, increasing patient comfort during extended procedures. Designed to accommodate virtually all patients. Compatible with most Nuclear Imaging systems and can also be used in MRI, CT and PET applications. Constructed with a comfortable, full support polyfoam with a seamless coated finish. Warranty Code: H</p>	\$540.00
28	1	E8500NC	<p>Patient Leg Rest for Nuclear, PET/CT, MRI</p> <p>Patient Leg Rest for Nuclear, PET/CT, MRI</p> <p>Contoured Leg Rest prevents low back stress and pain that occurs during supine imaging and treatment, measures 7 in. H x 17 in. D x 13 in. W. Designed to accommodate virtually all patients. Compatible with most Nuclear Imaging systems and can also be used in MRI, CT and PET applications. Constructed with a comfortable, full support polyfoam with a seamless coated finish. Warranty Code: H</p>	\$184.00
29	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>	\$12,000.00



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Item No.	Qty	Catalog No.	Description	Ext Sell Price
			Includes roll stand	
30	1	R12023AC	Standard Service License	Incl.
	1		<b>Xeleris 3x Upg to X4-0 Workstation</b>	
31	1	S8390BA	X4.0 FROM X3.1 UPGRADE	\$9,000.00
			<p>GE Healthcare has reclassified its service tools, diagnostics and documentation into various classes (please refer to the Service Licensing Notification statement at the beginning of this Quotation). The Standard License provides access to service tools used to perform basic level service on the Equipment and is included at no charge for the warranty period.</p> <p>Xeleris 4.0 Software upgrade from Xeleris 3.1 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 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</p>	



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Item No.	Qty	Catalog No.	Description	Ext Sell Price
32	1	H3903CM	<p>environment.</p> <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 (CM): 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.</li> </ul>	\$6,750.00



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Item No.	Qty	Catalog No.	Description	Ext Sell Price
			Evolution Toolkit Camera License (H3602Nk) required.	
	1		<b>NonProducts</b>	
33	1		Rigging to remove Skylight	\$2,500.00
	1		<b>Xeleris 4 Workstation</b>	
34	1	S8390AA	X4.0 Workstation SPECT-CT	\$54,000.00
			Xeleris* 4.0 SPECT/CT 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. 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 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. Xeleris 4.0 SPECT/CT includes Motion detection & correction software, is Evolution*-ready with the capability to process studies acquired with Evolution GE cameras, and Volumetrix IR & 3D for SPECT/CT and fused image review.	





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Item No.	Qty	Catalog No.	Description	Ext Sell Price
35	1	H3901RH	X3.1/X4 CEDARS SUITE 1st and 2nd	\$10,057.50

Cedars Sinai Cardiac Packages.  
A comprehensive set of nuclear cardiology protocols for advanced cardiac analysis, including:

- o Cedars Sinai Quantitative Perfusion SPECT
- o Automatic 3-Dimensional software approach to quantitative Perfusion SPECT.
- o Cedars Sinai Quantitative Gated SPECT
- o An application calculating the ejection fraction of the left ventricle and a 3D surface display is generated.
- o Cedars Sinai Companion
- o Optional module for QGS and QPS applications features
- 17 segment scores and templates in QPS
- Diastolic filling parameters in QGS
- Eccentricity ratio in QGS

**Quote Summary:**

**Total Quote Net Selling Price** **\$521,950.00**

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

**ATTACHMENT B –  
Project Capital Cost Form**

Project Name: RMC Nuc Med Camera Replacement

July 10, 2017

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>N/A</b>

**B. Construction Contract**

(8)	Cost of Materials				
	General Requirements	\$	44,956.00		
	Concrete/Masonry	\$	534.00		
	Woods/Doors & Windows/Finishes	\$	36,268.00		
	Thermal & Moisture Protection	\$			
	Equipment/Specialty Items	\$	47,571.00		
	MEP	\$	70,207.00		
	Other: Demo, ICRA, ILSM	\$	18,799.00		
	Sub-Total Cost of Materials			\$	218,335.00
(9)	Cost of Labor (GC & Subs)			\$	142,476.00
(10)	Other - Permitting and Fees			\$	700.00
	Other - Project Contingency			\$	26,808.00
(11)	<b>Sub-Total Construction Contract</b>			\$	<b>388,319.00</b>

**C. Miscellaneous Project Costs**

(12)	Building Purchase		\$	_____	-
(13)	Fixed Equipment Purchase		\$	_____	516,950.00
(14)	Movable Equipment Purchase (Nurse Call)		\$	_____	5,000.00
(15)	Information Technology		\$	_____	5,300.00
(16)	Furniture & Fixtures (signage)		\$	_____	1,500.00
(17)	Consult Fees				
	Architect and Engineering Fees	\$	55,020.00		
	Pre-TAB	\$	2,000.00		
	Sub-Total Consult Fees				57,020.00
(18)	Financing Costs (e.g. Bond Loan, etc)		\$	_____	-
(19)	Interest During Construction		\$	_____	-
(20)	Other Project Contingency				
	Construction, FF&E, & IT/Telecom	\$	52,314.50		
	Sub-Total Other Project Contingency			\$	52,314.50
(21)	Other Permitting and Fees				
	DHSR Document Review	\$	1,750.00		
	County Special Inspections	\$	5,000.00		
	Sub-Total Other Permitting and Fees			\$	6,750.00
(22)	<b>Sub-Total Miscellaneous</b>			\$	<b>644,834.50</b>
(23)	<b>Total Capital Cost of Project (Sum A-C above)</b>			\$	<b>1,033,153.50</b>

**ATTACHMENT C –  
NC Equipment Comparison Form**

**Equipment Comparison Form**  
**Novant Health Rowan Medical Center – Nuclear Medicine**  
**Replacement**

	Existing Equipment	Replacement Equipment
Type of Equipment (List Each Component)	ADAC Forte #1	Optima NMCT 640
Manufacturer of Equipment	ADAC	GE
Tesla Rating for MRIs	N/A	N/A
Model Number	2155-3000B	
Serial Number	F008165	
Provider's Method of Identifying Equipment	Nuclear Medicine Equipment	Nuclear Medicine Equipment
Specify if Mobile or Fixed	Fixed	Fixed
Mobile Trailer Serial Number /VIN#		
Mobile Tractor Serial Number /VIN#		
Date of Acquisition of Each Component	8/2000	2017
Does Provider Hold Title to Equipment or Have a Capital Lease?	Own	Own
Specify if Equipment Was/Is New or Used When Acquired	New	New
Total Capital Cost of Project		
Total Cost of Equipment		
Fair Market Value of Equipment		
Net Purchase Price of Equipment		
Locations Where Operated	NHRMC	NHRMC
Number of Days in Use/To be Used in NC per Year	365	365
Percent of Change in Patient Charges by Procedure	N/A	No increase
Percent of Change in Per Procedure Operating Expenses by Procedure	N/A	No increase
Type of Procedures Currently Performed on Existing Equipment	Nuclear Medicine	N/A
Type of Procedures New Equipment is Capable of Performing	N/A	Nuclear Medicine