



NC DEPARTMENT OF HEALTH AND HUMAN SERVICES

ROY COOPER • Governor
MANDY COHEN, MD, MPH • Secretary
MARK PAYNE • Director, Division of Health Service Regulation

VIA EMAIL ONLY

October 25, 2019

Andrea Gymer
agymer@novanthealth.org

Exempt from Review – Replacement Equipment

Record #: 3087
Facility Name: Novant Health Forsyth Medical Center
FID #: 923174
Business Name: Novant Health, Inc.
Business #: 1341
Project Description: Replace existing cardiac catheterization equipment
County: Forsyth

Dear Ms. Gymer:

The Healthcare Planning and Certificate of Need Section, Division of Health Service Regulation (Agency), determined that based on your letter of October 21, 2019, the above referenced proposal is exempt from certificate of need review in accordance with N.C. Gen. Stat. §131E-184(f). Therefore, you may proceed to acquire without a certificate of need the Siemens Artis Zee cardiac catheterization (cath) equipment to replace the Siemens AG 5998468, Serial #7703 cardiac cath 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,

Celia C. Inman (handwritten signature)

Celia C. Inman
Project Analyst

Martha J. Frisone (handwritten signature)

Martha J. Frisone
Chief

cc: Construction Section, DHSR
Acute and Home Care Licensure and Certification Section, DHSR

NC DEPARTMENT OF HEALTH AND HUMAN SERVICES • DIVISION OF HEALTH SERVICE REGULATION

HEALTHCARE PLANNING AND CERTIFICATE OF NEED SECTION

LOCATION: 809 Ruggles Drive, Edgerton Building, Raleigh, NC 27603
MAILING ADDRESS: 809 Ruggles Drive, 2704 Mail Service Center, Raleigh, NC 27699-2704
https://info.ncdhhs.gov/dhsr/ • TEL: 919-855-3873

AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER



Received by Healthcare
OCT 21 2019
Planning & CON Section

October 21, 2019

Via Email

2085 Frontis Plaza Boulevard
Winston-Salem, NC 27103

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

Re: Novant Health Forsyth Medical Center
Replacement of Cardiac Catheterization Lab
Winston-Salem, North Carolina (FID # 923174; Forsyth County)

Dear Ms. Inman:

Novant Health Forsyth Medical Center (NHFC) intends to replace an existing cardiac catheterization (cath) lab located at the hospital in Winston-Salem, North Carolina pursuant to N.C. Gen. Stat. 131E-184(f). The existing cath lab is over twelve years old and is past its useful life. NHFC will acquire a new Siemens Artis Zee angiography system to outfit this lab. See Attachment A for the Siemens equipment quote as well as an equipment listing of other medical and non-medical equipment being purchased for this lab. As part of the equipment cost, the vendor will provide onsite clinical training for the equipment. The existing equipment will be traded in and will be removed by the vendor and not used within North Carolina without appropriate CON notice. See page 5 of the equipment quote regarding deinstallation. The total capital cost for the proposed replacement equipment project is estimated to be \$2,531,355¹. See Attachment B for the Projected Capital Cost form.

NHFC's project meets the requirements set forth in N.C. Gen. Stat. 131E-184(f) for "replacement equipment" that exceeds two million (\$2,000,000) threshold in the following ways:

Main Campus:

The existing and replacement cath lab is and will be located in the Cardiac Catheterization Department at NHFC, which is located at 3333 Silas Creek Pkwy, Winston-Salem, North Carolina, 27103. At this location, NHFC's President and COO, Chad Setliff's office is located in Administration on the Main Floor and this location provides clinical patient services and exercises financial and administrative control over the entire campus. See Attachment C for a campus map. The existing equipment is still in service as reported on the annual License Renewal Application which is excerpted in Attachment D.

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

Previous Certificate of Need:

The existing cath lab equipment dates back to 2007 and we believe it was a replacement of earlier cath lab equipment; however, we are unable to find the replacement documentation and am relying on internal asset accounting information. NHFMC has been approved for eight (8) cath labs since 2005 and this lab is one of those approved cath labs.

Replacement Equipment:

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) NHFMC will replace the existing cath lab equipment with the proposed equipment 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 equipment will not be used to provide a new health service.
- (3) The acquisition of the proposed 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.

In support of our request, please find attached:

- Attachment A – Vendor Equipment Quote**
- Attachment B – Project Capital Costs**
- Attachment C – Main Campus Map**
- Attachment D - In Use Documentation**
- Attachment E – Equipment Comparison Form**

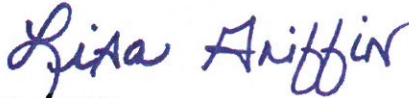
NHFMC's acquisition of the replacement equipment does not require a certificate of need because none of the definitions of "new institutional health services" set forth in N.C.G.S. Section 131E-176(16) apply to the proposed project. As outlined above, the total cost for the project is \$2,531,355. The 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 NHFMC's replacement equipment exemption request does not constitute a new institutional health service and is exempt from certificate of need review.

Re: NHPMC Replacement of Cardiac Catheterization Equipment
October 21, 2019
Page 3

If you need additional information, please do not hesitate to contact me at (704) 384 – 3462 or
lgriffin@novanthealth.org.

Sincerely,



Lisa Griffin
Manager, Operational Planning
Novant Health, Inc.

Enclosures

ATTACHMENT A

Siemens Medical Solutions USA, Inc.
40 Liberty Boulevard, Malvern, PA 19355
Fax: (866) 309-6967



SIEMENS REPRESENTATIVE
Minesh Patel - (919) 302-5299

PRELIMINARY PROPOSAL

Customer Number: 000006208

Date: 8/22/2019

FORSYTH MEDICAL CENTER
3333 SILAS CREEK PKWY
WINSTON SALEM, NC 27103

Quote Nr: **1-PTB1XA Rev. 2**

Artis zee ceiling

All items listed below are included for this system: *(See Detailed Technical Specifications at end of Proposal.)*

Qty	Part No.	Item Description
1	14446000	Artis zee ceiling EP Artis zee ceiling for electrophysiology now features PURE(r). PURE adds smooth interaction to Siemens' smart technologies. It is designed to boost productivity and enhance outcomes for certain clinical applications while increasing image quality and reducing dose. The ceiling-mounted C-arm offers highly flexible positioning. The motorized rotation of the C-arm from a head-end position to a lateral position allows for free head access and full patient coverage without rotating the table. The patient table is fitted with a freely movable patient positioning tabletop. The Megalix Cat Plus X-ray tube with flat emitter technology enables small focus sizes and strong, short X-ray pulses. The as20 flat detector is optimized for cardiology and allows for steep angulations. Digital acquisition technology with up to 7.5 f/s in 1k/12 bit matrix is available. The complete CARE+CLEAR package offers optimal image quality at the lowest reasonable dose. Live and reference images are displayed on two 19 flat screens in the exam room. In the control room live images are displayed on a third screen.
1	14432948	Automap Automatic stand positioning depending on the selected reference image and automatic reference image selection depending on the stand positioning.
1	14432939	2nd 4 pedal wireless footswitch Additional 4-pedal footswitch for release of fluoroscopy, exposure, and table brake, as well as a configurable additional function. Wireless connection via radio communication.
1	14432897	Head-end table tilting Motorized tilt and stepping of the patient table in longitudinal direction for electrophysiological or peripheral examinations, for example, as well as for stabilizing a patient. Includes a power-assisted tabletop control module.

Notes:

PRELIMINARY PROPOSAL

Qty	Part No.	Item Description
		Table tilting reduces the maximum patient weight to 200 kg. As before however, it is possible to install up to 40 kg of additional accessories.
		Note: It is mandatory to provide UPS back up with this table option in order to comply with IEC 60601-2-43 CL. 201.15.101. Reason: In the event of power failure a neutral table position suitable for CPR must be reachable within 15 seconds. A suitable UPS from Siemens as required must be included in your order unless an existing / planned UPS provision for your installation site will satisfy the requirement.
1	14432904	long TT thin mat. ins. of std. TT Patient positioning tabletop made of carbon fiber in extended, straight design for interventional radiological or surgical examinations. Matching the long patient positioning tabletop, special-foam mattress, 4 cm, made of open-pore polyurethane material and a latex-free cover. Note: The long patient positioning tabletop with the thin mattress replaces the narrow or wide tabletop, including mattress, described in the basic configuration. The head-end holder, handles, and shoulder supports are eliminated because they can only be used with the narrow tabletop.
1	14432947	Fluoro Loop Storage and review of dynamic fluoroscopic sequences. This saves an additional acquisition and helps to reduce dose. The maximum storable fluoroscopic time is limited by the maximum DICOM file size of 4 Gbyte.
1	14432926	Card acq. mode w/high speed Card Highspeed enables image acquisition with up to 30 frames per second and helps visualizing a moving heart.
2	14432953	Lower body radiation protection This radiation shield protects the user from scattered radiation when standing at the table side. It can be attached to the accessory rails either on the right or on the left side of the patient positioning table. It provides the user an additional accessory rail. It includes a basic unit (71.5 cm x 75 cm / 28.2" x 29.5" (l x w); 7.7 kg / 16.98 lb), one lower body radiation protection pivot swivel element (77 cm x 48 cm / 30.3" x 18.9" (l x w); 3.8 kg / 8.4 lb) and three clip-on units (57 cm / 22.4" x 33 cm / 12.99" (l x h), 2.2 kg / 4.85 lb; 27 cm / 10.6" x 33cm / 12.99", 0.9 kg / 1.98 lb and 27 cm / 10.6" x 25cm / 9.8", 1 kg / 2.2 lb) with a lead of 0.5 mm / 0.02" Pb. The maximum weight of the accessory rails is 40 kg (88.2 lb). Intended only for use with Artis / ARTIS tables.
1	14434157	Moveable upper body rad. protection This radiation shield protects the user from scattered radiation. For room heights up to 290 cm / 114.2". It includes a ceiling rail (4 m / 157.5"), a ceiling mounted and movable stand (80 cm or 57 cm / 31.5" or 22.4), a support arm (94 cm x 91 cm / 37" x 35.8") and an acrylic glass. The shield is made of acrylic glass with lead equivalent of 0.5 mm (w x h: 61 cm x 78 cm / 24" x 29.9"), which can pivot and rotate around a fixed point with a range of 360 degrees.

PRELIMINARY PROPOSAL

Qty	Part No.	Item Description
		The operation range is limited when used with Artis floor/biplane MN. Max. weight: 18 kg / 39.68 lb.
1	14440512	LED Exam Light Ceiling-mounted, flexible positionable examination light with focusable light system. It is fully integrated into the ceiling-installed radiation protection mounting unit. - Luminance: 60,000 Lux for 100 cm / 39.4" distance - Working distance: 70 to 140 cm / 27.6" to 55.1" - Color rendering index Ra at 4500 Kelvin: 95 - Color temperature: 4,300 Kelvin - Focusable light field: 14 to 25 cm / 5.5" to 9.8" - Diameter of light head: 33 cm / 13" - Number of LEDs: 19 - Total input power: 20 VA
1	14440411	Intercom - Comfort Intercom system for communication between examination room and control room. It includes - a microphone with a control box for the control room - a microphone with an adaptive acoustic filter for background noise suppression for the examination room - a footswitch for conversation selection for the examination room
1	14443011	Large Display diagn. Protection The high quality laminated glass protective screen protects the panel of the monitor against mechanical damage and fluid ingress on the front. It is suited for clinical image evaluation. Features: The laminated glass enforces high mechanical strength and resistivity against mechanical impact, the special coating reduces reflections for a continuous image quality, excellent spectral transmission of at least 98%, can be added to existing Artis Large Display installations. Weight: approx. 12kg (55) up to 16kg (60) Note: Observe the maximum permissible load of the display suspension, a combination with other options mounted to the display suspension might be restricted.
1	14434205	Secondary operation on table Second control at tableside.
1	14434207	Device secondary operation Additional control module, monoplane, for all functions of the C-arm movements and multileaf collimator. For both acquisition planes for a biplane system.
1	14434208	Table secondary operation Second control module to remote-control the patient table in the examination room. Table control within the degrees of freedom supported by the motor drive. Release knob in connection with the standard table for the table with stepping. Joystick in connection with the operating table or the table with tilting.
1	14432950	DICOM RIS-Modality Worklist Import of patient/examination data from an external RIS/HIS patient management system with DICOM MWL (Modality Worklist).

Siemens Medical Solutions USA, Inc.
 40 Liberty Boulevard, Malvern, PA 19355
 Fax: (866) 309-6967



SIEMENS REPRESENTATIVE
 Minesh Patel - (919) 302-5299

PRELIMINARY PROPOSAL

Qty	Part No.	Item Description
1	14434201	<p>OEM recording system interface Cable connection to an OEM measurement system.</p> <p>Holder for the ECG interface when using an OEM measurement system in the examination room.</p> <p>Recording, storage, and display of an ECG lead. Displayed together with the image information on a single monitor.</p>
1	14427423	<p>AX ELEVATE #R ROW Buy Back(dFA/dFC) AT Elevate program for AXIOM Artis systems with flat detectors that will be replaced by a new Artis zee system or Artis one.</p>
1	14455852	<p>AT Elevate #R Bonus (AXIOM dFA/dFC) Applying for the Elevate bonus</p> <p>The additional bonus will be granted if the AXIOM Artis dFA, dFC will be replaced by an Artis zee system. The AXIOM Artis dFA, dFC needs to be handed back for refurbishment. Elevate #R conditions apply.</p>
1	14434172	<p>Large Display Preparation for the large color flat screen display on a ceiling-mounted, longitudinally mobile, swiveling, rotating, and height-adjustable display holder in the examination room.</p> <p>Note: If a Large Display is selected, the Artis basic configuration includes a connection kit for the Large Display instead of the displays for the examination room. The type of large display can be chosen with a separate position.</p>
1	14434176	<p>Large Display video controller 18 Large Display Video Controller 18 is the middle of three different video controller sizes. A maximum of 18 video signals can be connected and displayed simultaneously on the Large Display. The Large Display video controller 18 receives various internal and external video signals for presentation to scale on the Large Display. Up to 18 external and internal video sources can be connected (max. 14 DVI-D and 4 analog (VGA) channels).</p>
1	14440573	<p>Add 19 display for LD (rear mount) 19 TFT display including 36 m cable with DVI-D connection and transceiver for display installation on the rear of the DCS in combination with the Large Display.</p>
1	14443012	<p>LD High Contrast panel size 55 Large color flat screen display (including cables) for the examination room, with a panel diagonal of 55. This large display version provides an excellent clinical image quality due to its new IPS panel technology.</p>
1	AXA_ADD_32	<p>Additional onsite training 32 hours Up to (32) hours of on-site clinical education training, scheduled consecutively (Monday - Friday) during standard business hours for a maximum of (4) imaging professionals. Training will cover agenda items on the ASRT approved checklist if applicable. This educational offering must be completed (12) months from install end date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.</p>
1	EPW935515UPS	<p>Eaton Powerware 9355 15 kVA UPS Includes UPS, battery, maintenance bypass panel, and one year on-site parts and labor coverage (24x7) by Eaton Powerware. This UPS is recommended when protection and uninterrupted power is required for the Artis' C-arm and table. Emergency fluoroscopy is not</p>

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PRELIMINARY PROPOSAL

Qty	Part No.	Item Description
		available with this UPS. If emergency fluoroscopy is required, the 9390 - 160 KVA UPS is recommended for the full system. One UPS per lab.
		Additional seismic brackets are required to make this system OSHPD approved.
1	AXA_R_FD_FL OOR	Elevate R FD Floor Promotion
1	AXA_ELVRFC MP_DEINS	Elevate R Deinstallation Ceiling-Fir-MP
1	AXA_ELVRFC MP_DEOFF GEL104013660	Elevate R Deinstal Ceiling-Fir-MP Offset
2	1278	Black anti-fatigue mat 36x60 Black NewLife EcoPro anti-fatigue mat (36 inches x 60 inches), 3/4 inch polyurethane foam, fluid and dirt resistant with anti-micorbial properties, matte textured surface. The ultimate employee benefit for workers who stand, are ergonomically designed to provide the perfect balance of premium comfort and optimal support. Proprietary Cellulon(r)Polyurethane Technology stands up to the tough demands of commercial environments while providing lasting comfort that won't bottom out over time. This eco-friendly line of anti-fatigue mats is certified by the National Floor Safety Institute for its high traction bottom surface.
1	AXA_RIG_ZEE SP_STD	Standard Rigging zee SP
1	AXA_ADDL_RI GGING	Additional Rigging AXA \$7,500
1	AXA_DEINSTA LL_EQ	Deinstallation of Equipment - AXA: \$1,400
1	AXA_BIOMD_T RN	Biomedical Training AXA XX2SYNGOSyngo with Multimodality Workstation5 days\$10,050.00 This educational offering must be completed by the later of (12) months from purchase of training or if applicable, completion of installation. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.
1	AXA_BIOMD_T RN	Biomedical Training AXA AX1ANGCOFUCCommon Functions/Apps for Angio10 days\$18,000.00 This educational offering must be completed by the later of (12) months from purchase of training or if applicable, completion of installation. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.
1	AXA_BIOMD_T RN	Biomedical Training AXA AX2ARTZPURArtis Zee system With/without PURE15 days\$27,300.00 This educational offering must be completed by the later of (12) months from purchase of training or if applicable, completion of installation. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.

System Total: \$663,170

Item Summary

[C] = GPO Contract **[M] = My Org Contract**

Atta ID	Item ID	Qty	Description	F/I	Model	Manufacturer (Mfr #)	Vendor (Vendor #)	Funding Source	Item Status	Arch Code	Custom Code	Options Cost	Unit Cost	Item Tax	Price Type	Ext. Cost
3313-021		1	Ablation System, Radio-Frequency	O/O	Meestro 4000 w/Pod	Boston Scientific (M004 40000 01M004 4010 0)	Boston Scientific (M004 40000 01M004 4010 0)	Project Unassigned Unassigned	Draft (New) 2-Movable, Elect Unassigned			35,500.00	0.00	0.00	Estimate	35,500.00
5361-011		1	Analyzer, Lab, Blood Gas, Point-of-Care	O/O	I-STAT 1	Abbott Point of Care Inc (04P75-01)	Abbott Point of Care Inc (04P75-01)	Project Unassigned Unassigned	Draft (New) 2-Movable, Elect Unassigned			9,552.21	0.00	0.00	Estimate	9,552.21
BVX007Z	7030108	1	Cabinet, Storage, Clinical, Wall Mounted	O/C	Built in Cabinets	InnerSpace Corporation ()	InnerSpace Corporation ()	Project Unassigned	Draft (New) 1-Fixed Unassigned			26,166.95	0.00	0.00	Quote	26,166.95
5859-084		1	Cart, Procedure, Resuscitation	O/O	Lifeline LECCRP3	InterMetro Industries Corp (LECCRP3)	InterMetro Industries Corp (LECCRP3)	Project Unassigned Unassigned	Draft (New) 3-Movable, Non-Elect Unassigned			4,303.00	0.00	0.00	Vendor	4,303.00
3645-012		1	Computer Workstation, Cardiac Cath-Lab, GE Healthcare - Cardiology ()	O/V	Hemodynamic MacLab IT	GE Healthcare - Cardiology ()	GE Healthcare - Cardiology ()	Project Unassigned Unassigned	Draft (New) 2-Movable, Elect Unassigned			207,944.40	0.00	0.00	Estimate	207,944.40
3676-044		1	Defibrillator, Monitor, w/Pacing	O/O	LIFEPAK 15 (w/SpO2,NIBP,iP ECG EICO2,++)	Stryker - Physio-Control, Inc (99577-001372)	Stryker - Physio-Control, Inc (99577-001372)	Project Unassigned Unassigned	Draft (New) 2-Movable, Elect Unassigned			31,165.00	0.00	0.00	Estimate	31,165.00
3676-066		1	Defibrillator, Monitor, w/Pacing	O/O	R Series ALS w/ Exp Pkg, Pacing, and EICO2	Zoll Medical Corporation (3 0120 0003 0111 0012)	Zoll Medical Corporation (3 0120 0003 0111 0012)	Project Unassigned Unassigned	Draft (New) 2-Movable, Elect Unassigned			13,988.40	0.00	0.00	Estimate	13,988.40
4824-112		1	Electrosurgical Unit, Bipolar/Monopolar	O/O	Valleylab FT10 Energy Platform w/Cart & Flawatches	Medtronic - Covidien Advanced Energy (VLFT10GENVLFTRT/E6008/E6009)	Medtronic - Covidien Advanced Energy (VLFT10GENVLFTRT/E6008/E6009)	Project Unassigned Unassigned	Draft (New) 2-Movable, Elect Unassigned			20,586.87	0.00	0.00	Estimate	20,586.87

Item Summary

= GPO Contract = My Org Contract

Atta ID	Item ID	Qty Description F/I Model	Manufacturer (Mfr #) Vendor (Vendor #)	Funding Source Cost Center Budget Name	Item Status Arch Code Custom Code	Unit Cost	Options Cost	Currency: Dollar (US)		Price Type
								Item Tax	Ext. Cost	
5625-028	1	Generator, Radio Frequency O/O RFP-100A RF Puncture Generator	Baylis Medical USA Inc. (RFP-100A) Baylis Medical USA Inc. (RFP-100A)	Project Unassigned	Draft (New) 2-Movable, Elect Unassigned	12,500.00	0.00	0.00	0.00	Estimate 12,500.00
5047-014	1	Light Exam/Procedure, Dual, Ceiling, O/C Recessed Lucina 4 LED (w/Wall Control & Wand)	Skytron (LCN4-PKG2) Skytron (LCN4-PKG2)	Project Unassigned	Draft (New) 1-Fixed Unassigned	47,459.61	0.00	0.00	0.00	Estimate 47,459.61
3960-106	2	Light, Exam/Procedure, Single, Ceiling O/C Aurora Astro Single AUA3-895	Skytron (AUA3-895) Skytron (AUA3-895)	Project Unassigned	Draft (New) 1-Fixed Unassigned	0.00	0.00	0.00	0.00	Estimate 0.00
7348-004	1	Navigation System, Electrophysiology O/V Carto 3	Biosense Webster, Inc. (FG540000) Biosense Webster, Inc. (FG540000)	Project Unassigned	Draft (New) 2-Movable, Elect Unassigned	520,700.00	0.00	0.00	0.00	Estimate 520,700.00
7348-006	1	Navigation System, Electrophysiology O/V EnSite Precision Cardiac Mapping System	St. Jude Medical, Inc. - Atrial Fibrillation (Software Upgrade x 2) St. Jude Medical, Inc. - Atrial Fibrillation (Software Upgrade x 2)	Project Unassigned	Draft (New) 2-Movable, Elect Unassigned	165,000.00	0.00	0.00	0.00	Estimate 165,000.00
4311-042	1	Shield, Lead, Mobile O/O Zero-Gravity Movable Floor Unit	TIDI Products (ZGM-6.5H) Biotronik, Inc. (ZGM-6.5H)	Project Unassigned	Draft (New) 3-Movable, Non-Elect Unassigned	86,200.00	0.00	0.00	0.00	Estimate 86,200.00
6790-005	1	Stimulator, Cardiac, Electrophysiology O/O Lab EP-4 (4-Channel)	St. Jude Medical, Inc. - Atrial Fibrillation (EP-4I-4-110) St. Jude Medical, Inc. - Atrial Fibrillation (EP-4I-4-110)	Project Unassigned	Draft (New) 2-Movable, Elect Unassigned	22,000.00	0.00	0.00	0.00	Quote 22,000.00
4808-029	1	Ultrasound, Imaging, Cardiac / Echo O/O ACUSON SC2000	Siemens Medical Ultrasound (10433816) Siemens Medical Ultrasound (10433816)	Project Unassigned	Draft (New) 2-Movable, Elect Unassigned	151,930.00	0.00	0.00	0.00	Estimate 151,930.00
5740-021	1	Ultrasound, Imaging, Vascular Access O/O BARD Site Rite 8 w/ MER Roll Stand	C.R. Bard, Inc. - BARD Access Systems, Inc. (Halcyon System) C.R. Bard, Inc. - BARD Access Systems, Inc. (Halcyon System)	Project Unassigned	Draft (New) 2-Movable, Elect Unassigned	26,525.00	0.00	0.00	0.00	Estimate 26,525.00

Item Summary

= GPO Contract = My Org Contract

Atta ID	Item ID	Qty	Description	F/I	Model	Manufacturer (Mfr #) Vendor (Vendor #)	Funding Source Cost Center Budget Name	Item Status Arch Code Custom Code	Unit Cost	Options Cost	Item Tax	Opt. Tax	Price Type	Ext. Cost
4753-017		1	X-Ray Unit, Interventional, Anglo / OV Cardiac (Single Plane) Artis zee Ceiling Cardio/Anglo			Siemens Medical Imaging () Siemens Medical Imaging ()	Project Unassigned Unassigned	Draft (New) 1-Fixed Unassigned	663,170.00	0.00	0.00		Estimate	663,170.00 <input checked="" type="checkbox"/>

Grand Total : 2,044,691.44

\$ 2,044,691

\$ 30,470

\$ 2,014,221

Total Equipment

non-medical

medical Equipment

ATTACHMENT B

Projected Capital Cost Form
FMC Cardiac Catheterization Lab #2 Replacement

Building Purchase Price	
Purchase Price of Land	
Closing Costs	
Site Preparation	
Construction/Renovation Contract(s)	\$ 452,264
Landscaping	
Architect / Engineering Fees	\$ 34,400
Medical Equipment	\$ 2,014,221
Non-Medical Equipment	\$ 30,470
Furniture	
Consultant Fees (Engineering Fees)	\$ -
Financing Costs	
Interest during Construction	
Other (construction contingency)	\$ -
Total Capital Cost	\$ 2,531,355

> Total \$2,044,691

CERTIFICATION BY A LICENSED ARCHITECT OR ENGINEER

I certify that, to the best of my knowledge, the projected construction cost for the proposed project is complete and correct.

Nelson C. Sozza
 Signature of Licensed Architect or Engineer

Date Signed: 9/25/19

CERTIFICATION BY AN OFFICER OR AGENT FOR THE PROPONENT

I certify that, to the best of my knowledge, the projected total capital cost for the proposed project is complete and correct and that is our intent to carry out the proposed project as described.

[Signature]
 Signature of Officer/Agent

Date Signed: 9/26/19

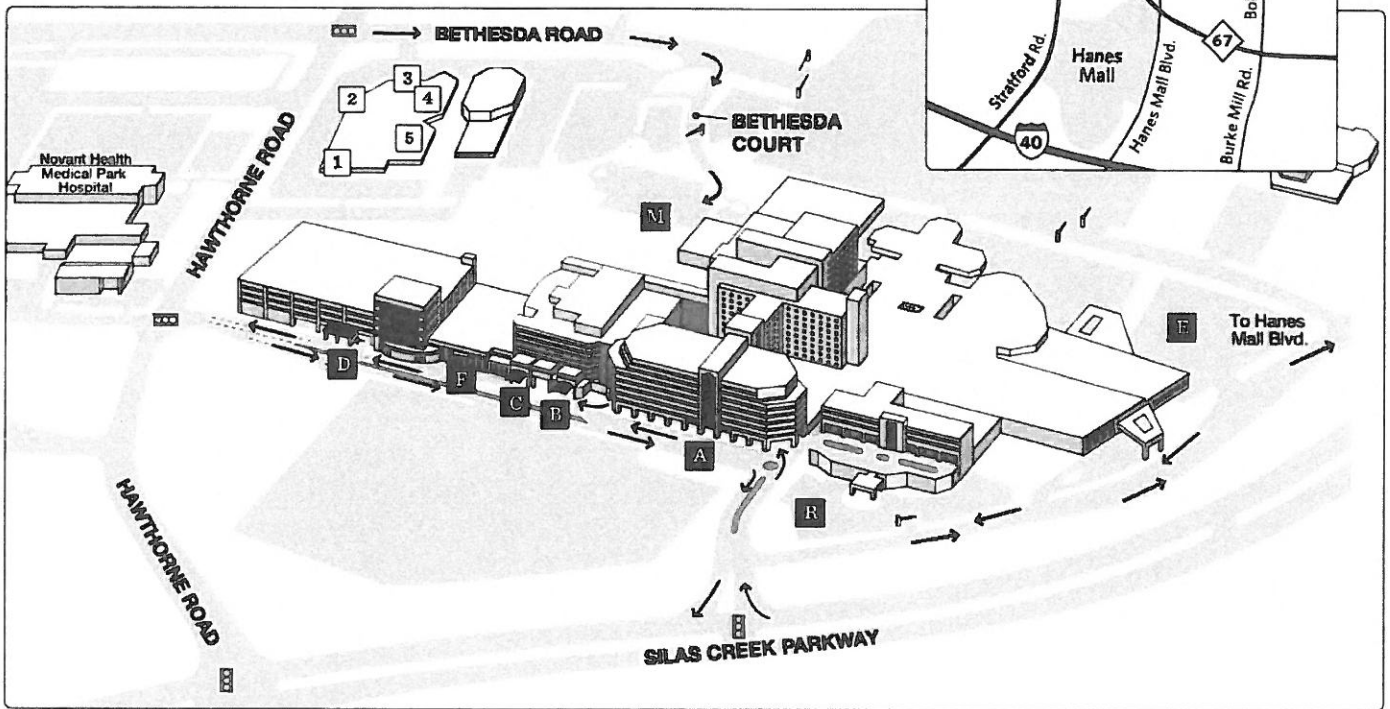
President & COO, M/HFMC
 Title of Officer/Agent

ATTACHMENT C



Campus map

Novant Health Forsyth Medical Center



Entrance **A**

- Administration
- Cashier/business office
- EKG
- Endoscopy lab
- EOPS
- Lab services
- Outpatient day center
- Patient registration
- Radiology
- SPPU (Day of surgery)
- Valet parking

Entrance **B**

- All registration from 7 p.m.-5:30 a.m. and weekends (after 5:30 a.m.)*
- Birthing center
 - Community rooms
 - Gyn anesthesia unit
 - Gyn surgery
 - Prenatal care
 - Novant Health Maya Angelou Women's Health & Wellness Center
 - Valet parking

Entrance **C**

- Cardiac procedures
- Preanesthesia visits
- Valet parking

Entrance **D**

- Handicapped
- Public parking deck

Entrance **E**

- Emergency Services

Entrance **F**

- Conference center

Entrance **M**

- 1010 Bethesda Court
Winston-Salem, NC 27103
- Novant Health Cancer Center
 - Patient parking (Radiology and Cancer Center only)
 - PET/CT, nuclear medicine & MRI
 - Novant Health Imaging
 - Novant Health Oncology Specialists
 - Valet parking

Entrance **R**

- CHF clinic
- Infant audiology
- Heart & Wellness
- Rehabilitation services
- Wellness programs

- 1 Novant Health Hawthorne Outpatient Surgery
- 2 Novant Health Rehabilitation Center
- 3 Novant Health Wound Care
- 4 Forsyth Nutrition Center
- 5 Salem Room

3333 Silas Creek Parkway, Winston-Salem, NC 27103 • 336-718-5000 • NovantHealth.org

ATTACHMENT D

All responses should pertain to October 1, 2017 through September 30, 2018.

8. Specialized Cardiac Services *continued* (for questions, call Healthcare Planning at 919-855-3865)

b. Cardiac Catheterization and Electrophysiology

Cardiac Catheterization, as defined in NCGS 131E-176(2g)	Diagnostic Cardiac Catheterization**	Interventional Cardiac Catheterization***
1. Number of Units of Fixed Equipment	(8)	
2. Number of Procedures* Performed in Fixed Units on Patients Age 14 and younger	- 0 -	- 0 -
3. Number of Procedures* Performed in Fixed Units on Patients Age 15 and older	3,024	752
4. Number of Procedures* Performed in Mobile Units	- 0 -	- 0 -
Dedicated Electrophysiology (EP) Equipment		
5. Number of Units of Fixed Equipment	2	
6. Number of Procedures on Dedicated EP Equipment	1,541	

*A procedure is defined as one visit or trip by a patient to a catheterization laboratory for a single or multiple catheterizations. Count each visit only once, regardless of the number of diagnostic, interventional, and/or EP catheterizations performed during that visit. For example, if a patient has both a diagnostic and an interventional procedure in one visit, count it as one interventional procedure.

** "a cardiac catheterization procedure performed for the purpose of detecting and identifying defects or diseases in the coronary arteries or veins of the heart, or abnormalities in the heart structure, but not the pulmonary artery." 10A NCAC 14C .1601(9)

*** "a cardiac catheterization procedure performed for the purpose of treating or resolving anatomical or physiological conditions which have been determined to exist in the heart or coronary arteries or veins of the heart, but not the pulmonary artery." 10A NCAC 14C .1601(16)

Number of fixed or mobile units of grandfathered cardiac catheterization equipment owned by hospital (i.e., equipment obtained before a CON was required): _____

For questions, please contact Healthcare Planning and Certificate of Need at 919-855-3873.

CON Project ID numbers for all non-grandfathered fixed or mobile units of cardiac catheterization equipment owned by hospital:

6-5980-99 ; 6-6740-02 ; 6-6220-04 ; 6-7266-05

*Remainder unable to locate at this time.

Name of Mobile Vendor, if not owned by hospital: N/A

Number of 8-hour days per week the mobile unit is onsite: N/A 8-hour days per week.

(Examples: Monday through Friday for 8 hours per day is 5 8-hour days per week. Monday, Wednesday, & Friday for 4 hours per day is 1.5 8-hour days per week)

ATTACHMENT E

EQUIPMENT COMPARISON

NH Forsyth Medical Center Cath Lab 2/EP4 Replacement	EXISTING EQUIPMENT	REPLACEMENT EQUIPMENT
Type (e.g., Cardiac Catheterization, Gamma Knife®, Heart-lung bypass machine, Linear Accelerator, Lithotripter, MRI, PET, Simulator, CT Scanner, Other Major Medical Equipment)	Cardiac Cath Lab	Cardiac Cath Lab
Manufacturer	Siemens	Siemens
Model number	AG 5998468	Artis Zee
Other method of identifying the equipment (e.g., Room #, Serial Number, VIN #)	SN 7703	TBD
Is the equipment mobile or fixed?	Fixed	Fixed
Date of acquisition	November 2007	TBD
Was the existing equipment new or used when acquired? / Is the replacement equipment new or used?	New	New
Total projected capital cost of the project <Attach a signed Projected Capital Cost form>	\$1,704,896 *	\$2,531,355
Total cost of the equipment	n/a	\$2,014,221
Location of the equipment <Attach a separate sheet for mobile equipment if necessary>	2 nd Flr, North Tower, CCL #2	2 nd Flr, North Tower, CCL #2
Document that the existing equipment is currently in use	See Attachment D	n/a
Will the replacement equipment result in any increase in the average charge per procedure?	n/a	No
If so, provide the increase as a percent of the current average charge per procedure	n/a	n/a
Will the replacement equipment result in any increase in the average operating expense per procedure?	n/a	No
If so, provide the increase as a percent of the current average operating expense per procedure	n/a	n/a
Type of procedures performed on the existing equipment <Attach a separate sheet if necessary>	Cardiac Cath & EP	-----
Type of procedures the replacement equipment will perform <Attach a separate sheet if necessary>	-----	Cardiac Cath & EP

* Per internal asset ledger records

Date of last revision: 5/17/19