



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

June 22, 2021

Lisa Griffin
lgriffin@novanthealth.org

Exempt from Review – Replacement Equipment

Record #: 3596
Date of Request: June 18, 2021
Facility Name: Novant Health Huntersville Medical Center
FID #: 990440
Business Name: Novant Health, Inc.
Business #: 1341
Project Description: Replace existing CT scanner
County: Mecklenburg

Dear Ms. Griffin:

The Healthcare Planning and Certificate of Need Section, Division of Health Service Regulation (Agency), determined that the above referenced project is exempt from certificate of need review in accordance with G.S. 131E-184(f). Therefore, you may proceed to acquire without a certificate of need the Siemens Somatom Force CT scanner to replace the GE Lightspeed CT scanner, serial #403502CN8. 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.

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,

Julie M. Faenza
Project Analyst

for
Lisa Pittman
Assistant Chief, Certificate of Need

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



June 17, 2021

Via Email

2085 Frontis Plaza Boulevard
Winston-Salem, NC 27103

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

Re: Novant Health Huntersville Medical Center (FID# 990440)
Replacement of Existing CT Scanner
Huntersville, NC (Mecklenburg County)

Dear Ms. Faenza:

Pursuant to N.C. Gen. Stat. § 131E-184(f), this letter serves as prior written notice that Novant Health Huntersville Medical Center (“NHHMC”) intends to replace an existing CT scanner currently located in the CT Department of Radiology Services on the first floor of the hospital.

NHHMC’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

NHHMC is located at 10030 Gilead Road, Huntersville, North Carolina. The CT Department within Radiology Services is located on the first floor in the area highlighted in yellow font as the Radiology Department (See the Campus Map included in **Attachment A**). The main hospital building is the location at which NHHMC exercises financial and administrative control over the entire facility and the administrative suite is located on the first floor of NHHMC (see “Administration” also highlighted in yellow near the Cafeteria on the enclosed Campus Map in **Attachment A**).

Previous Certificate of Need

The existing CT scanner is a replacement of an older unit; however, we are unable to find the documentation regarding its original acquisition. NHHMC has two CT scanners as reported on their Annual License Renewal Application (“LRA”). This is a replacement of one of those CT scanners. The most recent LRA is included as support that this CT scanner has been in use and is still in use. See **Attachment B** for an excerpt of NHHMC’s 2021 LRA.

Replacement Equipment

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

- (1) NHHMC will replace the existing 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.

The replacement involves the existing CT scanner which was acquired in 2008 and is well past its useful life and is outdated to current equipment capabilities. **Attachment E** contains the Equipment Comparison Form.

See **Attachment C** for the Equipment Quote for the new CT scanner. As part of the equipment cost, the vendor will provide onsite clinical training for the equipment. Also, the existing equipment will be traded in and removed from North Carolina by Siemens. The total capital cost for the proposed replacement equipment project is estimated to be \$2,471,124. See **Attachment D** for the Project Capital Cost Form.

In support of our request, please find attached:

- Attachment A** – NHHMC Campus Map
- Attachment B** – NHHMC 2021 LRA Excerpt
- Attachment C** – Equipment Quote
- Attachment D** – Project Capital Cost Form
- Attachment E** – NC CON Equipment Comparison Form

NHHMC's acquisition of the replacement CT scanner 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 \$2,471,124. The proposed capital cost includes equipment, as well as 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 NHHMC's replacement equipment request does not constitute a new institutional health service and is exempt from certificate of need review as indicated above.

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

Sincerely,

DocuSigned by:

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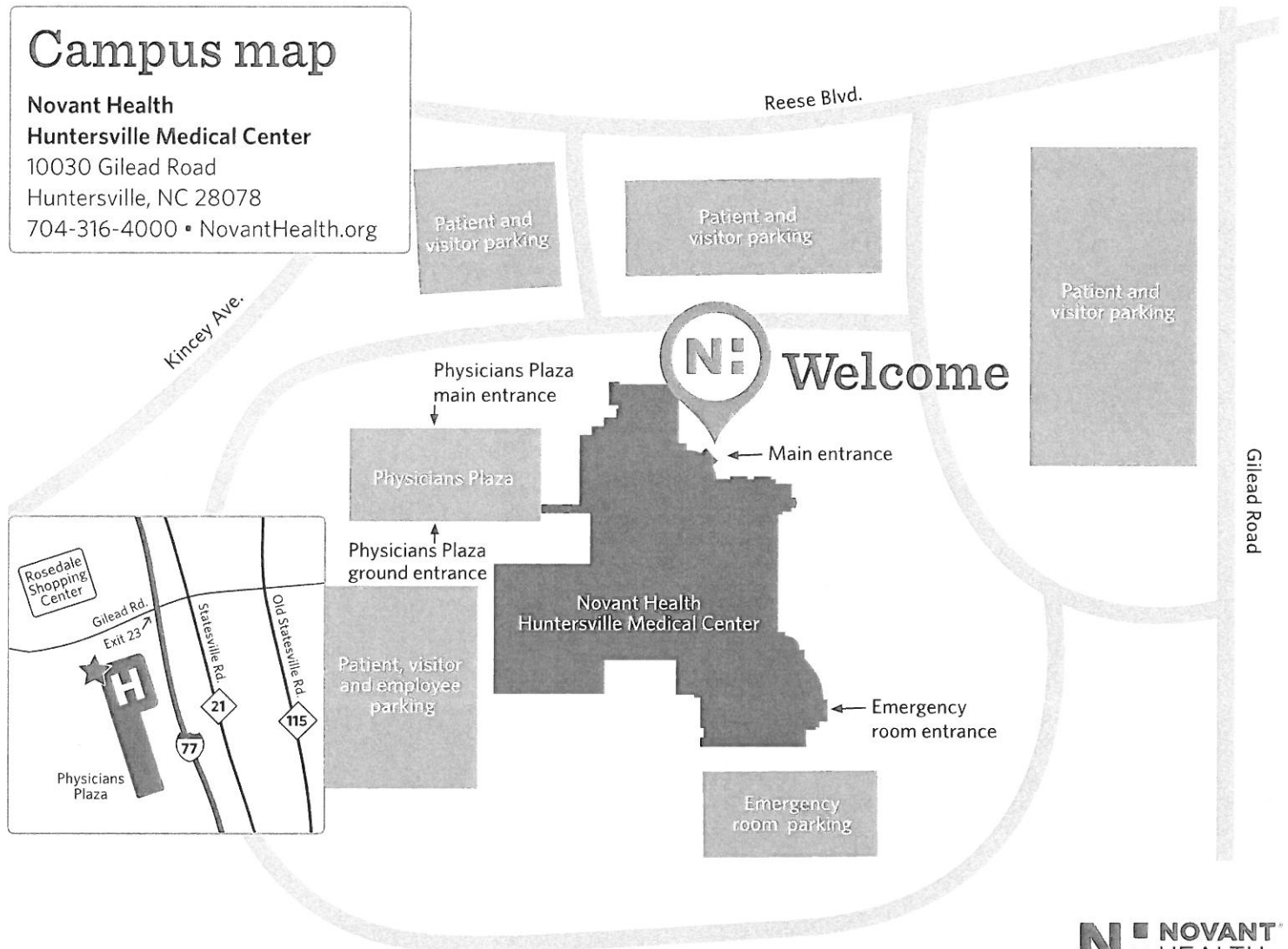
Lisa Griffin
Manager, Operational Planning
Novant Health, Inc.

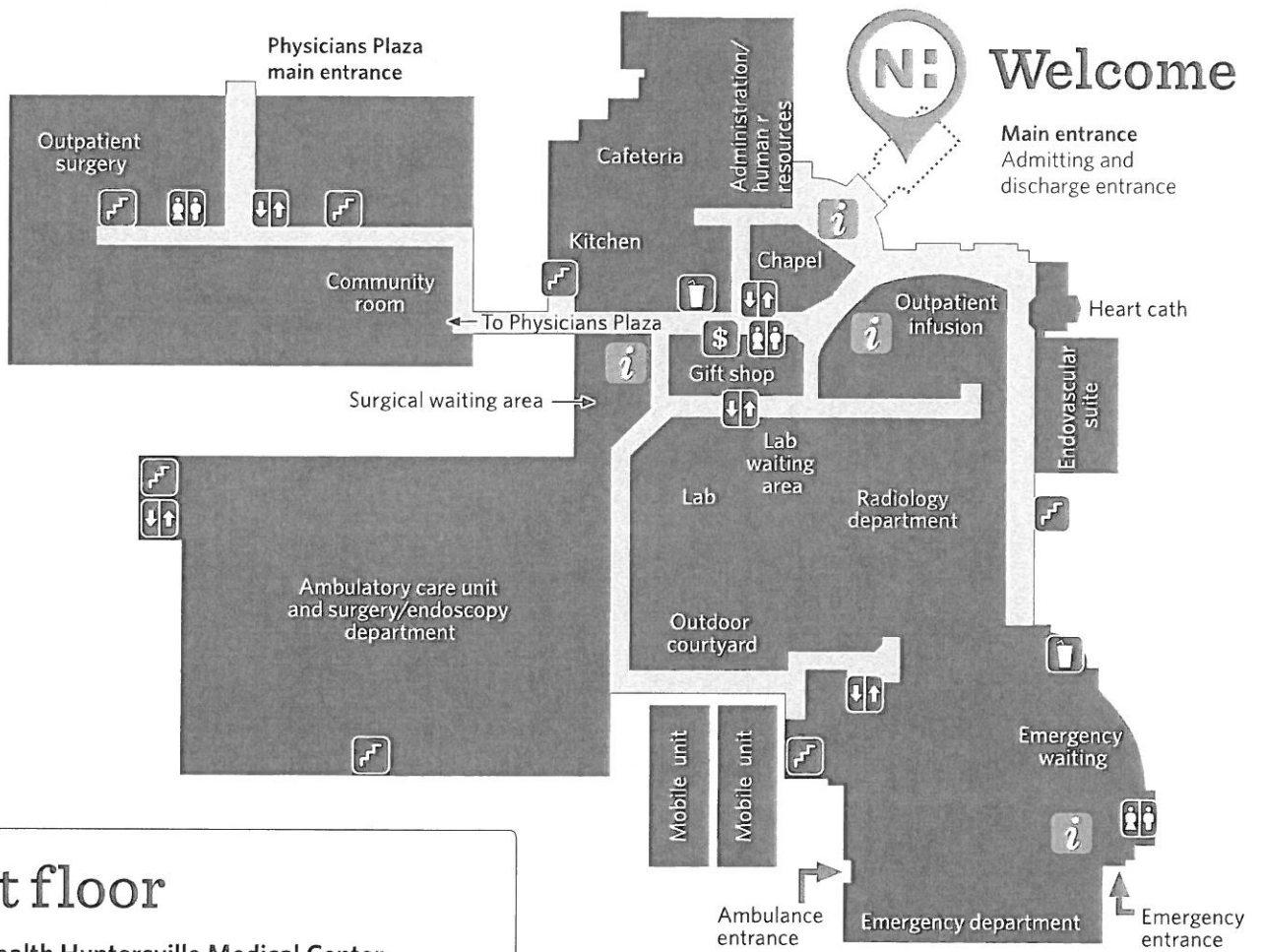
ATTACHMENT A

-Campus Maps

Campus map







**Novant Health
Huntersville Medical Center**
10030 Gilead Road
Huntersville, NC 28078
704-316-4000 • NovantHealth.org





First floor

Novant Health Huntersville Medical Center

-  Information
-  Elevator
-  Vending
-  Stairs
-  Restrooms
-  ATM

ATTACHMENT B
-2021 LRA Excerpt

All responses should pertain to **October 1, 2019 through September 30, 2020.**

d. Mobile MRI Services Campus – if multiple sites: _____
 During the reporting period.

1. Did the facility own one or more mobile MRI scanners? ___ Yes No

If Yes, how many? _____ Of these, how many are grandfathered? _____
 CON Project ID numbers for non-grandfathered mobile scanners owned by facility:

Did the facility contract for mobile MRI services? ___ Yes No

If Yes, name of mobile vendor: _____

e. Other MRI

Patients served on units listed in the next table should not be included in the MRI Patient Origin Table on page 30 of this application. For hospitals that operate medical equipment at multiple sites/campuses, please copy the MRI pages and provide separate data for each site/campus.

Campus – if multiple sites: _____

Other Scanners	Units	Inpatient Procedures*			Outpatient Procedures*			TOTAL Procedures
		With Contrast or Sedation	Without Contrast or Sedation	TOTAL Inpatient	With Contrast or Sedation	Without Contrast or Sedation	TOTAL Outpatient	
Other Human Research MRI scanners	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-
Intraoperative MRI (iMRI)	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-

* An MRI procedure is defined as a single discrete MRI study of one patient (single CPT coded procedure). An MRI study means one or more scans relative to a single diagnosis or symptom.

f. Computed Tomography (CT). Campus – if multiple sites: _____

How many fixed CT scanners does the hospital have? 2
 Does the hospital contract for mobile CT scanner services? ___ Yes No
 If yes, identify the mobile CT vendor _____

Complete the following table for fixed and mobile CT scanners.

	Type of CT Scan	FIXED CT Scanner # of Scans	MOBILE CT Scanner # of Scans
1	Head without contrast	6,204	-0-
2	Head with contrast	2,566	-0-
3	Head without and with contrast	20	-0-
4	Body without contrast	7,101	-0-
5	Body with contrast	10,615	-0-
6	Body without contrast and with contrast	531	-0-
7	Biopsy in addition to body scan with or without contrast	10	-0-
8	Abscess drainage in addition to body scan with or without contrast	32	-0-
	Total	27,079	-0-

ATTACHMENT C

-Equipment Quote

Siemens Medical Solutions USA, Inc.
40 Liberty Boulevard, Malvern, PA 19355

SIEMENS REPRESENTATIVE

Stuart Waddey
stuart.waddey@siemens-healthineers.com

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Customer Number: 0000059463

Date: 06/01/2021

PRESBYTERIAN HOSPITAL
10030 GILEAD RD
HUNTERSVILLE, NC 28078

Estimated Delivery Date: XX/XX/XXXX

Estimated delivery date is subject to change based upon factory lead times, acceptance date of this quote, customer site readiness, and other factors. A Siemens representative will contact you regarding the final delivery date.

Trade-in of existing GE CT required.

Multi-modality/Multi-unit purchase required.

Quote Nr. **CPQ-224146 Rev. 0**

SOMATOM Force

All items listed below are included for this system:

Qty	Part No.	Item Description	Extended Price
1	14460675	<p>SOMATOM Force</p> <p>At the top of our Dual Source CT portfolio, SOMATOM Force enables a new level of adaptability to patients, image quality, and clinical outcomes.</p> <p>Examine patients without having to control their heart rate, with no need for them to hold their breath, and with the lowest possible dose of contrast media. Make clearly quantified therapy evaluations with dose-neutral Dual Energy.</p> <p>Automated technologies support safe, standardized and highly performant workflows – allowing for appropriate dose and reproducible precision, from the smallest to the tallest patients.</p> <p>Thinking beyond today, you're connected to the future with an ever-growing expert community and VIP access to our advanced research environment.</p> <p>SOMATOM Force contains two Vectron™ X-ray tubes with unprecedented 2 x 1,300 mA tube current at 2 x 120 kW generator power and the StellarInfinity detector.</p> <p>SOMATOM Force takes CT imaging where it has never gone before by routinely generating ultra-thin 0.5 mm slices e.g. for most accurate stenosis, plaque and stent analysis and for low-kV imaging without compromises, even in adults or obese patients at scan speeds up to 737 mm/s (opt.).</p> <p>The SOMATOM Force gantry, with its powerful hollow shaft motor achieves</p>	\$ 1,397,500.00

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maximum rotation speeds of up to 0.25 seconds (opt.) resulting in 66 ms, heart rate independent temporal resolution to freeze motion. It features the industry leading Turbo Flash mode, with a dynamic Field of View (FoV) of up to 50 cm, even in ultra-high pitch applications (up to 737 mm/s table speeds, Opt.).

Dual Source Dual Energy spectral imaging with Tin Filter (~30% better energy separation than the Definition Flash, for more precise Dual Energy quantification), automatically provides a second noncontrast image for the best possible diagnosis without any extra dose with a spectral field of view (FoV) of up to 35 cm at scan speeds up to 285 mm/s (opt.).

Additionally, it enables reduction in dose, while improving overall image quality

1	14440674	CT Replacement SOMATOM Force Conversion to Siemens SOMATOM Force.	\$ 0.00
1	14460678	Force Imaging We combine our market leading applications to make this the most personalized scanner for our customers. Including SureView, Turbo Flash Spiral, Adaptive Dose Shield, CARE Dose 4D, CARE kV, CARE Child, CARE Profile, CARE Dashboard, CARE Bolus, Dose MAP, FAST Adjust	\$ 0.00
1	14460679	Force Imaging - Advanced The Imaging Advanced Package combines ADMIRE, X-CARE and CARE Contrast to bring imaging to the next level.	\$ 118,250.00
1	14460676	High-speed 0.25 s rotation High-speed 0.25 s rotation	\$ 73,100.00
1	14460680	Force Reading We combine our market leading applications to make reporting consistent, fast and simple for our customers. Includes VRT, Workstream 4D and Extended FoV.	\$ 0.00
1	14460681	Force Reading - Advanced We combine our advanced applications to make reporting of complex and atypical anatomical structures faster and simpler. Includes: iMAR for anatomically driven metal artifact reduction, combining three successful approaches (beam hardening correction, normalized sinogram inpainting and frequency splitting). This reduces artifacts caused by metal implants. FAST Spine, providing anatomically aligned preparation of spine recons with just a single click. HD FoV, special reconstruction algorithms allow for visualization of objects using a FoV up to 65 cm with an image quality suited for radiation therapy planning UHR mode, with the wide large UHR-Comb, delivers Ultra High resolution in plane of up to 32lp/cm (0.16 mm) for high defined imaging of small structures such as inner ear or even the lung, joints or fractures of the bone. The UHR Collimation could be increased to 32 x 0.6 mm collimation.	\$ 27,950.00
1	14460684	Force Function - Cardiac Cardiac scanning options to enable a simple to use, routine cardiac CTA and calcium scoring workflows. Includes: Heart View, Cardio Best Phase Plus, and FAST Phase.	\$ 70,950.00
1	14460685	Force Function - Dynamic	\$ 25,800.00

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1	14460770	<p>Adaptive 4D Spiral - a unique 4D Spiral scan mode that enables the SOMATOM Force to extend beyond restraints experienced when utilizing a static detector and allows for up to 80 cm dynamic CT coverage. This enables use not only in perfusion but also for advanced 4D CT DSA evaluations. Tilttable head holder for optimal positioning of stroke patients.</p> <p>FAST Integrated Workflow We combine our market leading applications to make positioning simple for our customers.</p> <p>The world's first 3D camera integrated into a CT positioning workflow is available as an option and allows automatic patient positioning in the examination room.</p> <p>The FAST 3D camera captures the patient's shape, position, and height in three dimensions. Using infrared measurement, it even recognizes body contours: for example, when people are wearing heavy clothes or blankets.</p> <p>Specialized applications support accurate and reproducible positioning: FAST Isocentering, at the push of a button, provides the correct isocenter position, enabling the right dose modulation and consistent images.</p> <p>FAST Range supports scanning the correct body region in the topogram with no cut-off – by aligning the automatically identified anatomical position with the protocol.</p> <p>FAST Direction helps safeguard the right scan direction of the topogram, which is crucial when moving the table with infused patients.</p> <p>FAST Topo - enables faster scan speeds in topograms, which minimizes breath-hold artifacts. It also has the potential to decrease the topogram dose.</p> <p>FAST Planning - assists scan and reconstruction planning, based on a topogram, to provide an easier, faster and standardized workflow in CT scanning.</p> <p>FAST 3D Align - automatically corrects misalignment of anatomic structures, organs of the patient. It aligns those to fit it to the selected reconstruction plane for a highly automated reconstruction workflow. Additionally, it minimizes the black area in the image by automatically adjusting the recon field of view selection.</p>	\$ 64,500.00
1	14460677	<p>FAST IRS Reconstruction computer for the preprocessing and reconstruction of the CT raw data. The reconstruction computer contains of a cluster of high-performance GPU boards performing the preprocessing and reconstruction of the CT data.</p>	\$ 0.00
1	14449417	<p>Multi-purpose table The Multi-Purpose table is especially designed for multi-disciplinary use, while still enabling ultra-fast spiral scanning (up to 737 mm/s with HeartView in Turbo Flash spiral). Its flexible design allows exchanging table tops for routine radiology, trauma or bariatric use.</p>	\$ 53,750.00
1	14410230	<p>Mat for MPT Standard Table Top Replacement for the positioning mattress for Standard Multi Purpose Table Top.</p>	\$ 344.00
1	14408231	<p>High Cap. Patient & Trauma Tab.Top The high capacity and trauma table top offers the capability to support up to 307 kg/676 lbs of patient weight. It allows easy positioning and transfer from and to the table, due to its flat surface. Special accessories and an extended table top width of 530 mm ensure a safe and comfortable positioning for obese patients.</p>	\$ 21,500.00

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1	14408232	<p>High Cap. Patient & Trauma Acc Kit The High capacity and Trauma accessory kit contains additional Patient restraint set with a width of 400mm and additional table extensions for feet and head.</p>	\$ 1,720.00
1	14414739	<p>Mattress for Bariatric Table Top This mat has a curved profile and allows comfortable positioning of patients on the flat table top.</p>	\$ 1,720.00
1	14460771	<p>Tunnel Light SOMATOM Force offers a tunnel mood light (LED) in different, preset, adjustable colors that are synchronized with the gantry ring light. It makes the gantry bore appear wider thus making it easier for patients with claustrophobia to undergo their examination.</p>	\$ 0.00
1	14460772	<p>Ring Light SOMATOM Force offers a gantry ring mood light (LED) in different, preset, adjustable colors that are synchronized with the gantry tunnel light. They help create a relaxing atmosphere for your patients, making a SOMATOM Force examination even more exciting and memorable.</p>	\$ 0.00
1	14402933	<p>Computer Cabinet New cabinet to accommodate the computer system and UPS. Matched to the design of the control console table. Width: 800 mm, Depth: 800 mm, Height: 720 mm</p>	\$ 602.00
1	14460683	<p>Force Function - DE The syngo Dual Energy Scan with Tin Filter option allows the use of both SOMATOM Force X-ray sources simultaneously at different energies, while the Tin Filter reduces dose and at the same time increases energy separation by blocking unnecessary parts of the energy spectrum. syngo Dual Energy offers the possibility to acquire two spiral data sets simultaneously from a single scan running the tubes at 80/Sn150 kV, 90/Sn150 kV and 100/Sn150 kV (for obese Dual Energy imaging). The results are two data sets with diverse information.</p>	\$ 27,950.00
1	14444626	<p>s.via CT bundle A (Identifier) CT system bundled with syngo.via</p>	\$ 0.00
1	14456549	<p>syngo.via Project Identifier System identifier for syngo.via project</p>	\$ 0.00
1	14456827	<p>Workplace/Workstation Hardware syngo.via Server-based Workstation HW, tower floorstand configuration.</p>	\$ 6,250.00
1	14457028	<p>Prime HW Support WS 5y Prime HW Support (Workplace/Workstation HW → ML110 Gen10) for 5 years</p>	\$ 2,150.00
1	14444874	<p>Monitor EIZO MX232W col. 2.1MP The EIZO MX 232W is a color widescreen LCD monitor for diagnostic use and clinical review with a resolution of 1920 x 1080 pixels.</p>	\$ 1,100.00
1	14456981	<p>WebViewer User #1 Integrated Server syngo.via WebViewer is a web-based client server add-on to syngo.via. It provides high-speed 2D and 3D image data review and basic manipulation functionality within the healthcare institution's network and through secure VPN connection both over LAN and wireless connections. The integrated server can be used for internal image distribution only (internet access only by VPN infrastructure). The syngo.via WebViewer runs on PC, Mac and laptops equipped with appropriate browsers, as well as on Apple iPad.</p>	\$ 0.00

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1	14456962	<p>syngo.via Workstation Software VB30</p> <p>The syngo.via Workstation offers 2D, 3D, 4D multi-modality routine reading capabilities and a variety of advanced applications tailored to the Workstation. The combination of syngo.via Software and Workstation Hardware is ideal for 1 - 2 users. The availability of all applications and workflows included in syngo.via Workstation is virtually unlimited, i.e. the number of opened cases is only constrained by server HW resources.</p> <p>The syngo.via client runs on standard Windows computers in the network and integrates into radiologist's reading workplace (RIS; PACS) for efficient image reading based on a wide range of clinical applications (advanced visualization applications) for different clinical cases. Those applications are available as additional options for syngo.via.</p> <p>The optional advanced visualization applications/Engines follow the flexible concurrent user model (users working at the same time). The service support for syngo.via requires the provision of an administrator with dedicated tasks and a minimum broadband Internet connection bandwidth.</p>	\$ 18,060.00
1	14456957	<p>syngo.via General Engine WS</p> <p>The syngo.via General Engine provides functionalities for highly efficient reading and reporting of routine to advanced cases.</p> <p>The syngo.via General Engine comprises the following software modules:</p> <p>ALPHA technology speeds up the workflow by automating and standardizing reconstructions and improves consistency in image presentation.</p> <p>syngo.via Advanced Reporting enables efficient and structured management and communication of syngo.via results plus easy creation and administration of report templates.</p>	\$ 7,310.00
1	14460509	<p>syngo.CT DE Advanced Package #1</p> <p>The syngo.CT Dual Energy Advanced Package includes all Dual Energy Applications that are available for syngo.via.</p>	\$ 40,850.00
1	14445228	<p>syngo.via local Impl. (Identifier)</p> <p>Identifier for professional services completely provided by locally organized resources.</p>	\$ 0.00
1	14429311	<p>PACS-Driven Implementation Pkg.</p> <p>This PACS-Driven Implementation Package includes installation and integration services for syngo.via in a radiologic workflow mainly supported by the PACS functionality.</p> <p>This package includes professional services, such as:</p> <ul style="list-style-type: none"> - Installation of the syngo.via server software on the server hardware - Installation of the syngo.via client software on one clinical workplace for one user - Connection to up to 5 DICOM nodes - Image call-up of syngo.via from the PACS' user interface - Assistance in setting up image call-up of syngo.via from the PACS' user interface. <p>This may require the purchase of software and services from the PACS vendor.</p> <ul style="list-style-type: none"> - Configuration of basic syngo.via workflows and rules - Integration of one syngo.via client workplace with one syngo MultiModality Workplace. <p>- Installation of WebViewer integrated license (syngo.via SW version VA30 or higher, country restrictions might apply).</p>	\$ 6,250.00

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- Installation of the syngo.via WebViewer client application on one Mobile Device or Web Client system if requested by the customer. Ensure that the customer's Web Clients / Mobile Devices fulfill the minimum requirements according to the syngo.via WebViewer Data Sheet. Verification of the syngo.via WebViewer basic functionality
- If applicable: Integration into the Local Area Network of the customer and to Siemens Remote Service over the internet connection plus basic installation service for the syngo.via HW system at the customer's site.

1	14429312L	<p>Via Workstation Server HW Installation</p> <p>Basic installation of the syngo.via Workstation hardware with the operating system at the customer's site by the hardware supplier. Integration into the Local Area Network of the customer and to Siemens Remote Service over internet connection. Please check that the following information is included in the customer quote: correct and complete delivery location, customer's contact person for implementation planning. See also the questions in the Sales Checklist, which supports you in evaluation of the customer's requirements.</p>	\$ 1,500.00
1	SY_VIRINTL_4	<p>Virtual Initial Consultation, syngo.via</p> <p>This virtual initial consultation session, up to 4 hrs in duration, is designed to define the clinical customization of syngo.via specific to radiology workflow. Through direct communication with a clinical education specialist, this session will identify and configure site-specific workflow and imaging storage and retrieval parameters. This educational offering must be conducted no more than 4 weeks before the scheduled system turnover event. This consultation session will be scheduled during standard business hours, Monday through Friday. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.</p>	\$ 1,050.00
1	SY_INITIAL_16	<p>Initial onsite training 16 hrs syngo.via</p> <p>Up to (16) hours of on-site clinical applications training on syngo.via basic navigation and modality specific clinical workflows, scheduled consecutively (Monday – Friday) during standard business hours for a maximum of (4)users. Training will focus on the use of syngo.via in clinical routine and customization of systems based on workflow needs. This educational offering must be completed (12) months from turnover date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.</p>	\$ 4,900.00
1	SY_ADDTL_24	<p>Add'l training 24hrs, syngo.via</p> <p>Up to (24) hours of on-site clinical applications training on syngo.via navigation and modality specific clinical workflows, scheduled consecutively (Monday – Friday) during standard business hours for a maximum of (4)users. The training offering must be completed (12) months from the later of turnover date or offering purchase date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.</p>	\$ 6,300.00
1	SURE_VIEW	<p>SureView</p> <p>Provides exceptional image quality at any pitch setting, enabling you to scan faster because you can scan at any pitch without degrading image quality</p>	\$ 0.00
1	UFC_DETECTO R	<p>UFC Detector</p> <p>Ultra Fast Ceramics (UFC) technology is a unique type of scintillation technology material that quickly and efficiently transforms radiation from the X-ray tube into light signals. Its superb overall quantum efficiency and unique short afterglow enable time-critical X-ray detection at low doses and extremely fast data collection.</p>	\$ 0.00
1	FAST_ADJUST	<p>FAST Adjust</p> <p>FAST Adjust: assists the user to handle system settings in a fast and easy way by automatically solving of conflicts within user defined limits by one single click on the FAST Adjust button. The limits for scan time and tube current per scan are defined</p>	\$ 0.00

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		via the Scan Protocol Assistant. FAST Adjust offers an undo functionality to return to previously set values.	
1	FAST_SCAN_ASSIST	FAST Scan Assistant FAST Scan Assistant: An intuitive user interface for solving conflicts by changing the scan time, resp. the pitch and/or the maximum tube current manually.	\$ 0.00
1	ADAPT_DOSE_SHIELD	Adaptive Dose Shield Adaptive Dose Shield for spiral acquisition to eliminate pre- and post-spiral over-radiation.	\$ 0.00
1	CARE_DOSE4D	CARE Dose4D CARE Dose4D delivers the highest possible image quality at the lowest possible dose for patients - maximum detail, minimum dose. Adaptive dose modulation for up to 60% dose reduction	\$ 0.00
1	CARE_KV	CARE kV CARE kV: First automated, organ-sensitive voltage setting to improve image quality and contrast-to-noise-ratio while optimizing dose and potentially reducing it by up to 60%.	\$ 0.00
1	CARE_PROFILE	CARE Profile CARE Profile: Visualization of the dose distribution along the topogram prior to the scan	\$ 0.00
1	CARE_DASHBOARD	CARE Dashboard Visualization of activated dose reduction features and technologies for each scan range of an examination to analyze and manage the dose to be applied in the scan	\$ 0.00
1	ACCESS_PROTOCOL	Access Protection Scan Protocols are password protected allowing only authorized staff members to access and permanently change protocols	\$ 0.00
1	NEMA_XR-29	NEMA_XR-29 Standard This system is in compliance with NEMA XR-29 Standard Attributes on CT Equipment Related to Dose Optimization and Management, also known as Smart Dose.	\$ 0.00
1	CT_UPS_FORCE	Standard UPS for Force The standard partial system uninterruptible power system (UPS) is built directly into the power distribution cabinet (PDC) and supports the critical circuits for table and gantry electronics, console computer, image reconstruction system, and the internal Ethernet switch (to ensure connectivity). This enables safe removal of patient if outage occurs during scanning. The UPS allows for a safe shutdown of the CT scanner in the event of power interruption. The UPS provides 5-7 minutes of power, during which the user is prompted and guided through the process to perform a safe shutdown of the system. This safe shutdown ensures that no data is lost.	\$ 0.00
1	4SPAS014	Low Contrast CT Phantom & Holder	\$ 2,600.00
1	PSPD250480Y3K	Surge Protective Device (SPD)	\$ 2,916.00
1	CTSP4002	CT Slicker Thermoseal seams and flaps deflect fluids, reducing contaminant penetration into the cushion and table. Contaminants are retained on the tabletop or shunted to the floor. Cleanup is faster, more thorough, and contaminant build-up is reduced. Built using heavy, clear, micro matte vinyl, and top grade hook and loop fastening	\$ 350.00

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strips (Velcro) to better fit the specified table. Custom vinyl resists tears and minimizes radiologic interference. Latex free. Set includes CT Skirts.

Includes warranty from RADSCAN Medical.

1	CT_PM	<p>CT Project Management</p> <p>A Siemens Project Manager (PM) will be the single point of contact for the implementation of your Siemen's equipment. The assigned PM will work with the customer's facilities management, architect or building contractor to assist you in ensuring that your site is ready for installation. Your PM will provide initial and final drawings and will coordinate the scheduling of the equipment, installation, and rigging, as well as the initiation of on-site clinical education.</p>	\$ 0.00
1	CT_ADDL_RIGGING	<p>Additional Rigging CT @ \$8,500</p>	\$ 8,500.00
1	CT_BTL_INSTALL	<p>CT Standard Rigging and Installation</p>	\$ 9,000.00
1	CT_TRADE_IN_ALLOW	<p>Trade-in of existing GE scanner</p>	\$ 0.00
1	CT_EDUOPTION5	<p>Clinical Education & Training: Option 5</p> <p>Siemens offers multiple options for clinical education and training on your new system. These options enable a more personalized approach to the introduction to system operation, features, and benefits and will help ensure that your technologists and physicians have the opportunity to engage in the level of training that best meets your current clinical needs and business objectives.</p> <p>The following items are the education and training modules are highly recommended for the operation of your new Siemens system and are most effective for sites where technologists and/or physicians have limited experience on Siemens' systems. In addition to covering routine procedures, this option also provides additional opportunities to learn more specialized procedures and further increase efficiencies.</p>	\$ 0.00
1	CT_CONVERTPKG	<p>Education Pkg for Conversion Customers</p> <p>This educational package is designed to assist customers in the transition to Siemens CT scanning systems. The package offering consists of two 4 hour customized workshop sessions at the customer's facility-both sessions must be scheduled for and subsequently completed within a 24 hour window, access to Siemens Learning Center for 12 months and up to a total of 100 CE's. 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>	\$ 7,200.00
1	CT_INITIAL_32	<p>Initial onsite training 32 hrs</p> <p>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. Uptime Clinical Education phone support is provided during the warranty period for specified posted hours. 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>	\$ 7,800.00
1	CT_FOLLOWUP_16	<p>Follow-up training 16 hrs</p> <p>Up to (16) hours of follow-up on-site clinical education training, scheduled consecutively (Monday – Friday) during standard business hours for a maximum of (4) imaging professionals. Uptime Clinical Education phone support is provided</p>	\$ 4,900.00

PRELIMINARY PROPOSAL

during the warranty period for specified posted hours. 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.

1	CT_FOLLOWUP _24	<p>Follow-up training 24 hrs</p> <p>Up to (24) hours of follow-up on-site clinical education training, scheduled consecutively (Monday – Friday) during standard business hours for a maximum of (4) imaging professionals. Uptime Clinical Education phone support is provided during the warranty period for specified posted hours. 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>	\$ 6,300.00
1	CT_ADSCAN_1 _TL	<p>CT Advanced Scanning Class 1 w/Travel</p> <p>The CT Advanced Scanning Class 1 is for the following CT scanners: SOMATOM Definition AS, SOMATOM Definition Edge, SOMATOM Definition Flash, SOMATOM Drive, and SOMATOM Force scanners. This includes tuition for (1) imaging professional to attend Siemens Classroom Course at Siemens Training Center. This class provides the experienced Siemens' CT user with in-depth training on advanced system capabilities and examination procedures. Topics include the review of scan acquisition and reconstruction parameters, protocol management, dose reduction features, anatomy, contrast administration, and a variety of post-processing strategies. Workflow for advanced examination procedures including CT Angiography, Neuro Perfusion, Single Source and Dual Source Dual Energy, Cardiac CTA and TAVR will be reviewed and discussed. Prior participation in a Siemens' CT Basic syngo class and/or a minimum of 6 months clinical experience is not mandatory, but highly recommended. This class includes lunch, economy airfare, and lodging for (1) imaging professional. All arrangements must be arranged through Siemens designated travel agency. 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>	\$ 4,500.00
1	SY_PR_TEAMP LAY	<p>teampay Welcome & Registration Package</p> <p>teampay is a cloud-based network that brings together your imaging modality users, the systems' dose and utilization data, and the users' expertise to help you improve the delivery of care to your patients. Basic features are provided free of charge. Premium features (benchmarking, non-Siemens devices) are provided on a trial basis for three months at no charge, and may be used thereafter on a subscription fee basis.</p> <p>To register: http://teampay.siemens.com/#/institutionRegistration/1</p>	\$ 0.00

System Total **\$ 2,035,422.00**



SIEMENS REPRESENTATIVE

Stuart Waddey

stuart.waddey@siemens-healthineers.com

Siemens Medical Solutions USA, Inc.
40 Liberty Boulevard, Malvern, PA 19355

PRELIMINARY PROPOSAL

FINANCING: The equipment listed above may be financed through Siemens. Ask us about our full range of financial products that can be tailored to meet your business and cash flow requirements. For further information, please contact your local Sales Representative.

Siemens Healthcare is pleased to submit this Preliminary Pricing Proposal. A Preliminary Pricing Proposal is provided for planning purposes only; it is not contractually binding. To receive a contractually binding proposal for the Products listed above, inclusive of Terms, Conditions, and Warranty coverage, please contact your Siemens Healthcare Sales Representative.

Siemens Healthcare
Stuart Waddey

stuart.waddey@siemens-healthineers.com

ATTACHMENT D

-Project Capital Costs

Projected Capital Cost Form
NH Huntersville Medical Center CT Scanner Replacement

Building Purchase Price	-
Purchase Price of Land	-
Closing Costs	-
Site Preparation	-
Construction/Renovation Contract(s)	377,752
Landscaping	-
Architect / Engineering Fees	37,450
Medical Equipment	2,035,422
Non-Medical Equipment	-
Furniture	15,000
Information Technology (IT)	5,500
Financing Costs	-
Interest during Construction	-
Other: Contingency	-
Total Capital Cost	\$ 2,471,124

CERTIFICATION BY A LICENSED ARCHITECT OR ENGINEER

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

Date Signed: 6/16/21

Signature of Licensed Architect or Engineer

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.

DocuSigned by:

9BCFAC883516459...

Signature of Officer/Agent

Date Signed: 06/16/2021 | 9:41:51 EDT

Senior Vice President, Design & Construction, Novant Health

Title of Officer/Agent

ATTACHMENT E
-Equipment Comparison Form

EQUIPMENT COMPARISON

<i>HMC CT Scanner #1 Replacement</i>	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)	CT Scanner	CT Scanner
Manufacturer	GE	Siemens
Model number	Lightspeed	Somatom Force
Other method of identifying the equipment (e.g., Room #, Serial Number, VIN #)	403502CN8	TBD
Is the equipment mobile or fixed?	Fixed	Fixed
Date of acquisition	April 2008	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 for New Equipment>	n/a	\$ 2,471,124
Total cost of the equipment	n/a	\$ 2,035,422
Location of the equipment <Attach a separate sheet for mobile equipment if necessary>	Radiology/CT Dept.	Radiology/CT Dept.
Document that the existing equipment is currently in use	LRA Excerpt Attached	NA
Will the replacement equipment result in any increase in the average charge per procedure ?	NA	No
If so, provide the increase as a percent of the current average charge per procedure	NA	NA
Will the replacement equipment result in any increase in the average operating expense per procedure ?	NA	No
If so, provide the increase as a percent of the current average operating expense per procedure	NA	NA
Type of procedures performed on the existing equipment <Attach a separate sheet if necessary>	CT Scans	NA
Type of procedures the replacement equipment will perform <Attach a separate sheet if necessary>	NA	CT Scans

Date of last revision: 5/17/19