GREENWICH HOSPITAL
YALE NEW HAVEN HEALTH

June 28, 2004

Hon. Christine Vogel
Commissioner
Office of Health Care Access
410 Capital Avenue, MS#13HCA
PO Box 340308
Hartford, CT 06134-0308

RE: Greenwich Hospital
Fixed Site Pet/CT Scanner

Dear Commissioner Vogel:

Please find enclosed the original Letter of Intent from Greenwich Hospital to establish a fixed site Pet/CT Scanner.

If you have any questions, I can be reached at (203)863-3008.

Respectfully yours,

Eugene J. Colucci
Vice President Finance/CFO

5 Perryridge Road
Greenwich, CT 06830-4697
(203) 863-3000

State of Connecticut
Office of Health Care Access
Letter of Intent/Waiver Form
Form 2030

All Applicants must complete a Letter of Intent (LOI) form prior to submitting a Certificate of Need application, pursuant to Sections 19a-638 and 19a-639 of the Connecticut General Statutes and Section 19a-643-79 of OHCA's Regulations. Please submit this form to the Commissioner of the Office of Health Care Access, 410 Capitol Avenue, MS# 13HCA, P.O. Box 340308, Hartford, Connecticut 06134-0308.

SECTION I. APPLICANT INFORMATION

If there are more than two Applicants, please attach a separate sheet of paper and provide additional information in the format below.

	Applicant One	Applicant Two
Full legal name	Greenwich Hospital	
Doing Business As	Greenwich Hospital	
Name of Parent Corporation	Greenwich Health Care Services ,Inc	
Mailing Address, if Post Office Box, include a street mailing address for Certified Mail	5 Perryridge Road Greenwich, CT 06830	
Applicant type (e.g., profit/non-profit)	Non-profit	
Contact person, including title or position	Gene Colucci Chief Financial Officer	
Contact person's street mailing address	5 Perryridge Road Greenwich, CT 06830	

SECTION II. GENERAL APPLICATION INFORMATION

a. Proposal/Project Title:

Greenwich Hospital Pet/ CT Scanner

b. Type of Proposal, please check all that apply:

☐ Change in Facility (F), Service (S) or Function (Fnc) pursuant to Section 19a-638, C.G.S.:

☐ New (F, S, Fnc) ☒ Replacement ☐ Additional (F, S, Fnc)

☐ Expansion (F, S, Fnc) ☐ Relocation ☐ Service Termination

☐ Bed Addition` ☐ Bed Reduction ☐ Change in Ownership/Control

☐ Capital Expenditure/Cost, pursuant to Section 19a-639, C.G.S.:

☐ Project expenditure/cost cost greater than $ 1,000,000

☒ Equipment Acquisition greater than $ 400,000

☐ New ☐ Replacement ☐ Major Medical

☒ Imaging ☐ Linear Accelerator

☐ Change in ownership or control, pursuant to Section 19a-639 C.G.S., resulting in a capital expenditure over $1,000,000

c. Location of proposal (Town including street address):
5 Perryridge Road Greenwich, Connecticut 06830

d. List all the municipalities this project is intended to serve: ***Please refer to Attachment I for copy of service area map.***

e. Estimated starting date for the project: ***05/05 – 10/05***

f. Type of project: ***21*** **(Fill in the appropriate number(s) from page 7 of this form)**

Number of Beds (to be completed if changes are proposed)

Type	Existing Staffed	Existing Licensed	Proposed Increase (Decrease)	Proposed Total Licensed
NA				
NA				

SECTION III. ESTIMATED CAPITAL EXPENDITURE INFORMATION

a. Estimated Total Capital Expenditure: $ 2,704,590

b. Please provide the following breakdown as appropriate:

Construction/Renovations	$ 201,500
Medical Equipment (Purchase)	
Imaging Equipment (Purchase)	$ 2,493,090
Non-Medical Equipment (Purchase)	10,000
Sales Tax	
Delivery & Installation	
Total Capital Expenditure	**$ 2,704,590**
Fair Market Value of Leased Equipment	$
Total Capital Cost	**$ 2,704,590**

Major Medical and/or Imaging equipment acquisition:

Equipment Type	Name	Model	Number of Units	Cost per unit
Pet/CT Scanner	GE		1	$,2,493,090

Note: Provide a copy of the contract with the vendor for major medical/imaging equipment.
Please refer to Attachment II for copy of proposal.

c. Type of financing or funding source (more than one can be checked):

☒ Applicant's Equity ☐ Lease Financing ☐ Conventional Loan

☐ Charitable Contributions ☐ CHEFA Financing ☐ Grant Funding

☐ Funded Depreciation ☐ Other (specify):

SECTION IV. PROJECT DESCRIPTION

Please attach a separate 8.5" X 11" sheet(s) of paper and provide no more than a 2 page description of the proposed project, highlighting all the important aspects of the proposed project. Please be sure to address the following (if applicable): **Please refer to Attachment III and IV.**

1. Currently what types of services are being provided? If applicable, provide a copy of each Department of Public Health license held by the Petitioner. **Attachment III**
2. What types of services are being proposed and what DPH licensure categories will be sought, if applicable?
3. Who is the current population served and who is the target population to be served?
4. Identify any unmet need and how this project will fulfill that need.
5. Are there any similar existing service providers in the proposed geographic area?
6. What is the effect of this project on the health care delivery system in the State of Connecticut?
7. Who will be responsible for providing the service?
8. Who are the payers of this service?

If requesting a Waiver of a Certificate of Need, please complete Section V.

SECTION V. WAIVER OF CON FOR REPLACEMENT EQUIPMENT

I may be eligible for a waiver from the Certificate of Need process because of the following: (Please check all that apply)

☐ This request is for Replacement Equipment.

- ☐ The original equipment was authorized by the Commission/OHCA in Docket Number:
- ☐ The cost of the equipment is not to exceed $2,000,000.
- ☐ The cost of the replacement equipment does not exceed the original cost increased by 10% per year.

Please complete the attached affidavit for Section V only.

AFFIDAVIT

Applicant: **Greenwich Hospital**

Project Title: ***Greenwich Hospital Pet/ CT Scanner***

I, Frank A. Corvino (Name), President CEO (Position – CEO or CFO)

of Greenwich Hospital being duly sworn, depose and state that the information provided in this CON Letter of Intent/Waiver Form (2030) is true and accurate to the best of my knowledge, and that Greenwich Hospital (Facility Name) complies with the appropriate and applicable criteria as set forth in the Sections 19a-630, 19a-637, 19a-638, 19a-639, 19a-486 and/or 4-181 of the Connecticut General Statutes.

Signature

4-1-04
Date

Subscribed and sworn to before me on April 1, 2004

Notary Public/Commissioner of Superior Court

SHEILA G. VENTO
NOTARY PUBLIC
MY COMMISSION EXPIRES MAR. 31, 2007

My commission expires:

Form 2030
Revised 8/02

Project Type Listing

Please indicate the number or numbers of types of projects that apply to your request on the line provided on the Letter of Intent Form (Section II, page 2).

Inpatient

1. Cardiac Services
2. Hospice
3. Maternity
4. Med/ Surg.
5. Pediatrics
6. Rehabilitation Services
7. Transplantation Programs
8. Trauma Centers
9. Behavioral Health (Psychiatric and Substance Abuse Services)
10. Other Inpatient

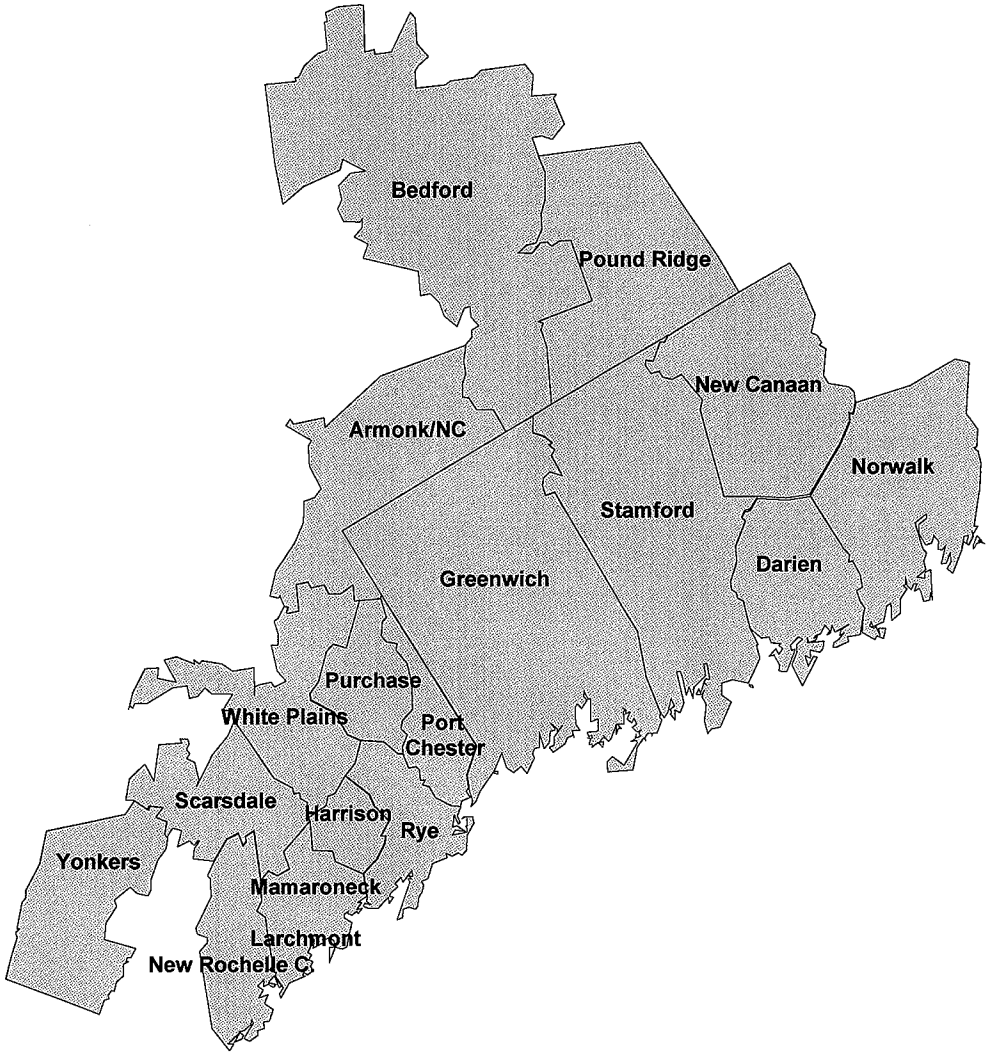
Outpatient

11. Ambulatory Surgery Center
12. Birthing Centers
13. Oncology Services
14. Outpatient Rehabilitation Services
15. Paramedics Services
16. Primary Care Clinics
17. Urgent Care Units
18. Behavioral Health (Psychiatric and Substance Amuse Services)
19. MRI
20. CT Scanner
21. PET Scanner
22. Other Imaging Services
23. Lithotripsy
24. Mobile Services
25. Other Outpatient
26. Central Services Facility

Non-Clinical

27. Facility Development
28. Non-Medical Equipment
29. Land and Building Acquisitions
30. Organizational Structure (Mergers, Acquisitions, Affiliations, and Changes in Ownership)
31. Renovations
32. Other Non-Clinical

Greenwich Hospital
Primary Service Area



Attachment I

GE Medical Systems
General Electric Company
P.O. Box 414, Milwaukee,
WI, 53202-0414
gemedical.com

Attachment II

PRELIMINARY PROPOSAL

Greenwich Hospital
5 Perryridge Road
Greenwich, CT 06830
Attention: Ralph Sgambato

Melissa Banks
1400 Computer Drive
Westborough, MA 01581-5088
(508) 870-5200

LTQC1A.LTQ04 June 11, 2004

QTY	CATALOG	DESCRIPTION	PRICE
		Discovery St Petct System With 16 Slice CT 6-10-04	
		Base System	
1	S9102LA	Discovery ST-16 PET/CT Scanner	
		The GE Discovery ST-16 Whole Body PET/CT System is a State-of-the-art Computed Tomography and Positron Emission Tomography Scanner. The System Combines the Premium LightSpeed 16 (with Xtream, Direct 3D and SmartPrep) 16-Slice CT with High Performance PET That is Optimized for Routine 2D and 3D Oncology, Cardiology and Neurology Clinical Studies, Yet Powerful and Flexible Enough For Research Applications, Making it the Ideal Solution for All Your PET/CT Scanning Needs. Discovery ST 16 has Capabilities for Imaging All Available PET Tracers and Provides Superior Image Quality, High Throughput, Easy Operator Interaction and Proven Reliability. It Also Includes Powerful Built-in Remote Diagnostics and is Backed by Traditional GE Service Quality. The 70cm Wide Bore and Optional Radiation Therapy Couch Make the Discovery ST an Optimal System for Whole Body Oncology and Radiation Therapy. Discovery ST is Fully Optimized for Cardiology with High Sensitivity for Perfusion Studies and the Capability to do Both Gated and Dynamic Acquisitions. To Provide Long Term Investment Protection, Discovery ST has a Large Portfolio of Innovative Upgrades, Which Deliver Productivity Enhancements You can Count on. These Upgrades Include Scaleable Reconstruction Processing Options, DICOM Compatible Image Registration and Fusion (MR and CT) and a Host of Other Features. All Features Come Equipped with a Warranty and are Backed by GE Service. Discovery ST-16 can be Used as an Integrated PET/CT Scanner or as a Standalone High Quality Diagnostic CT Scanner for All Clinical and Research Applications Excluding Tilt. It Supports Multiple Sequencing Protocols Including a PET/CT Protocol Where CT Acquisition is Immediately Followed by PET Acquisition. High Quality CT Data is Used for Attenuation Correction of the PET Data and Precise Localization. Typical Exam Protocol Consists of the Following Series: Series 1: Scout View; Type: Planar CT; Purpose: Define Scan Range for PET/CT Study. Series 2: PET/	

GE Medical Systems
General Electric Company
P.O. Box 414, Milwaukee,
WI, 53202-0414
gemedical.com

PRELIMINARY PROPOSAL

Greenwich Hospital
5 Perryridge Road
Greenwich, CT 06830
Attention: Ralph Sgambato

Melissa Banks
1400 Computer Drive
Westborough, MA 01581-5088
(508) 870-5200

LTQC1A.LTQ04 June 11, 2004

QTY	CATALOG	DESCRIPTION	PRICE

CT Sequence; What: Helical CT Followed by PET Emission; Purpose: Attenuation Correction of PET and Anatomical Mapping and PET Physiology. Series 3: High Quality (Dose) Diagnostic CT (Optional Step); Type: CT Helical or Axial; Purpose: Diagnostic Contrast CT.

The GE Discovery ST-16 Scanner Consists of:

- One Integrated Gantry Containing Slip Ring Design CT X-ray Tube and 16-slice Detector, Twenty Four PET Detector Rings of Bismuth Germanate (BGO) Crystals, High Speed Acquisition Electronics and PET Image Reconstruction System with Scalable High Performance Array Processor System and Reconstruction Algorithms

- One Patient Imaging Table with Extended Dual Patient Scan Range, Head Holder, Patient Security Straps and Comfort Accessories

- One Integrated Operator Console with Xtream Technology Featuring: Direct 3D for CT Volume Rendered Models That Automatically Build Simultaneously with Standard Reconstruction. This can be Fully Automatic, Interactive with Limited User Interaction, or Manual with Complete User Control, and is Designed to be Integrated as Part of the Standard Patient Protocol; Large Screen Interface for Controlling Scan Acquisition Easily, with Virtually Everything at a Single Glance; Excellent Simultaneity and Multi-tasking Performance; Completely Protocol Driven Scan Control; with a Dramatic Reduction in Number of Screens; Highly Flexible Editing Tools That Allow Easy Tailoring of the Exam to the Patient; Large 21 Inch, 1024 Color Display Capable of Displaying High Resolution PET/CT, PET, CT Images; Volumetric for Fast and Flexible PET/CT Review Including PET/CT Fusion.

- Options for Review Workstations: Full Compatibility with Xeleris v1.0 or Greater and Advantage Windows v4.1 or Greater

- Options for Gated Acquisitions, Enhanced Reconstruction Processing, CT Perfusion, CT Navigator, CT DentaScan, CT Bone Mineral Densitometry and CT SmartScore PRO, ConnectPro for HIS/RIS Interface ... Many More.

GE Medical Systems
General Electric Company
P.O. Box 414, Milwaukee,
WI, 53202-0414
gemedical.com

PRELIMINARY PROPOSAL

Greenwich Hospital
5 Perryridge Road
Greenwich, CT 06830
Attention: Ralph Sgambato

Melissa Banks
1400 Computer Drive
Westborough, MA 01581-5088
(508) 870-5200

LTQC1A.LTQ04 June 11, 2004

QTY	CATALOG	DESCRIPTION	PRICE

PET Subsystem

- o Detector Ring Diameter: 88.6 cm
- o Detector Layout: 10,080 Individual Crystals Arranged in 24 Rings of 420 Crystals Each
- o Transaxial FOV: 70 cm
- o Axial FOV: 15.7 cm
- o Axial Sampling Interval: 3.27 mm
- o Number of Image Planes: 47
- o Patient Port Size: 70 cm Diameter
- o Crystal Type/Size: BGO, 6.3 mm Transaxial, 6.3 mm Axial, 30 mm Radial
- o 0.8 mm Tungsten Interplane Septa, 5.4 cm Long to Minimize Random and Scattered Coincidences
- o Automatic Retraction of Interplane Septa to Switch From 2D to 3D Mode or Back in <30 Seconds
- o Low Acoustic Noise at Gantry Center: <55dBA During PET Scan
- o Shielding of Both the Front and Back of the Detector Units Prevents Detection of Events From Outside the Scan Planes
- o Scan Field of View Located Toward Back of Gantry for Easy Patient Positioning Access
- o Large Numerical Display on Gantry for Indication of Total System Count Rate at All Times and to Show Elapsed Time During Acquisition
- o System Calibration Requires One Normaliza tion Rod Source* (68 Ge,1.5mCi Maximum). *Rod Source is Not Included. Automatic Loading and Storage of Rod Source Used for Calibration (Less than 15 Seconds to Load or Store Pin). Shielded Storage Container Located in Gantry.

PET Event Detection and Processing

- o Individual Position Mapping of Each Crystal to Improve Spatial Resolution
- o Individual Energy Mapping for Each Crystal to Improve System Energy Resolution
- o Individual Timing Adjustment for Each Crystal to Improve Timinig Resolution
- o Deadtime Measured Directly During Acquisition to Improve Correction Accuracy
- o System Electronics Customized for 3D Volume Imaging Capability Via Custom VLSI Coincidence Circuitry
- o Random Correction From Singles or From Delayed Events in Real Time or Storage of Separate Prompt and Delayed Files

GE Medical Systems
General Electric Company
P.O. Box 414, Milwaukee,
WI, 53202-0414
gemedical.com

PRELIMINARY PROPOSAL

Greenwich Hospital
5 Perryridge Road
Greenwich, CT 06830
Attention: Ralph Sgambato

Melissa Banks
1400 Computer Drive
Westborough, MA 01581-5088
(508) 870-5200

LTQC1A.LTQ04 June 11, 2004

QTY	CATALOG	DESCRIPTION	PRICE

PET Data Acquisition and Reconstruction System

- o Static and Dynamic Acquisition Modes
- o Static Acquisitions at Multiple Table Positions
- o 2D Coincidence Acquisition
- o 3D Volume Acquisition
- o PET Gating (Option)
- o Direct Measurement of Dead-time Information for All Emission Acquisitions
- o Estimation of Random Events Rates From Singles
- o Byte or Word-mode Storage of Events
- o Start on Count Rate, Stop on Counts
- o Real-time Display of Total Prompt and Delayed Coincidence Count Rates During Acquisition
- o cPCI-based Real Time System Controller
- o State-of-the-art 4-node G4 Power PC Array Processor System
- o Dynamic Histogram Memory 320 MB Stores Over 60 Separate Sinogram Sets
- o System Raw Data Maintained on SCSI High Performance Drive with 36 GB Storage Capacity

CT Subsystem

Scan Modes:

- o The Discovery ST PET CT Scanner System can Perform any CT Clinical Application That Does Not Require Tilt, Due to it's Wide Variety of Scan Modes
- o With the Discovery ST PET CT Scanner System, Body CT Studies are Easier to Perform and More Productive Than Ever Before.

Helical:

- o Slip Ring Technology has Advanced Axial Scanning by Enabling Scans with Zero Interscan Delay with Simultaneous Table Movement
- o Continuous 360 Degree Scanning with Table Incrementation and No Interscan Delay
- o Scans can be Acquired with a Wide Variety of Speeds

Axial:

- o Up to 16 Contiguous Axial Planes Acquired Simultaneously with Each 360 Degree Rotation, With the Time Between Scans Set by the User-selected Interscan Delay (ISD) or Intergroup Delay (IGD)
- o Scans may be Easily Clustered in Groups to Allow Multiple Scans in a Single

GE Medical Systems
General Electric Company
P.O. Box 414, Milwaukee,
WI, 53202-0414
gemedical.com

PRELIMINARY PROPOSAL

Greenwich Hospital
5 Perryridge Road
Greenwich, CT 06830
Attention: Ralph Sgambato

Melissa Banks
1400 Computer Drive
Westborough, MA 01581-5088
(508) 870-5200

LTQC1A.LTQ04 June 11, 2004

QTY	CATALOG	DESCRIPTION	PRICE

Breathhold
- o Minimum Scan-to-scan Cycle Time of Only 1.5 Seconds with Table Moves </= 10 mm (Any Scan Time)

Scout (TM):
- o Single Radiographic Plane for Scan Localization and Graphical Prescription of Prospective Reconstruction
- o Extended Range Matches Helical Scannable Range

The Gantry's Advanced Slip Ring Design Continuously Rotates Generator, Tube, Detector and Data Acquisition System Around the Patient:

- o Rotational Speeds: 360 Degrees in 0.5, 0.6, 0.7, 0.8, 0.9, and 1.0 Seconds
- o Aperture: 70 cm
- o Focus to Detector: 95 cm
- o Focus to Isocenter: 54 cm
- o Maximum SFOV: 50 cm
- o Laser Alignment Lights Brightly Illuminate the Scan Plane.
- o Visual Readout is Easy to Read From the Table Side or From the Operator Console.

X-ray Tube

The Performix ADV Metal-Ceramic Tube w/6.3 MHU of Heat Storage Capacity and 53.2 kW Operation Provides Increased Helical Performance with Greater Patient hroughput and Virtually No Tube Cooling. Advanced Technology in the Performix ADV Tube Includes a Metal-Ceramic Frame for Long Life, High-speed Bearing for for Sub-second Scanning, a High-efficiency Motor to Accelerate the Large Anode, and Efficient Cooling for High Throughput and Superior Helical Performance.

- o Heat Storage Capacity: 6.3 MHU
- o Heat Dissipation
  - Anode (max) 840 KHU/min
  - Casing (cont) 300 KHU/min
  - Tube Unit: 6.9 kW Continuous for 10 Minutes

High Voltage Generation

- o High Frequency On-board Generator. Continuous Operation During Scan.
- o 53.2 kW Output Power
- o kVp: 80, 100, 120, 140 kVp
- o mA: 10 to 440 mA, 5 mA Increments
- o Maximum mA for Each kVp Selection (400mA,

GE Medical Systems
General Electric Company
P.O. Box 414, Milwaukee,
WI, 53202-0414
gemedical.com

PRELIMINARY PROPOSAL

Greenwich Hospital
5 Perryridge Road
Greenwich, CT 06830
Attention: Ralph Sgambato

Melissa Banks
1400 Computer Drive
Westborough, MA 01581-5088
(508) 870-5200

LTQC1A.LTQ04 June 11, 2004

QTY	CATALOG	DESCRIPTION	PRICE

80kVp), (420mA, 100kVp), (440mA, 120kVp), 380mA, 140kVp)

HiLight Matrix CT Detector

21,888 Individual Elements Composed by:
8 Rows of 1.25 mm Thickness and 16 Rows of 0.625 Thickness, Each Containing 888 Active Patient Elements; 24 Reference Elements.

CT Data Acquisition System

- o 12,288 Available Input Channels
- o 1640 Hz Maximum Sample Rate
- o Effective Analog to Digital Conversion Range Greater Than Two Million to One.

Integrated Operators Console

The Discovery ST 16 PET/CT Scanner System Operator Console User Interface Features:

- o Two 21 Inch (Diagonal Width) 1280 x 1024 High Resolution Color Monitors for Image Display, Analysis, Processing, and Management. Scan/Recon Monitor Mainly for Scan and Recon Control with No Image Display, and Image Monitor Mainly for Image Display, Analysis, Processing, Fusion and Management.
- o Each Monitor Provides a 1280 x 1024 High Resolution, Flicker-free Display
- o Split Table Top Allows Unrestricted Patient Viewing While Still Supporting 2 Large Color Monitors; Scan Control Keyboard Assembly with Intercom Speaker, Microphone and Volume Controls
- o Three Button Mouse with Mouse Pad
- o CT BrightBox (Trackball Assembly)
- o Two-wide Work Surface
- o Front and Back Work Surfaces can be Set During Installation Within a Range of Vertical Heights That Help Accommodate a Variety of Siting Requirements

All These Devices are Free-standing and can be Easily Moved to Accommodate a Large Variety of Working Conditions and Individual Operator Preferences.

PET/CT Host Computer:
An Integrated PET/CT Computer Built on the Xtream Technology:

- o 64-bit Microprocessor. Single/Dual R12000A Processor with Direct 3D Option. Dual SMP 2.66 GHz Intel Xeon Processors with 512KB

GE Medical Systems
General Electric Company
P.O. Box 414, Milwaukee,
WI, 53202-0414
gemedical.com

PRELIMINARY PROPOSAL

Greenwich Hospital
5 Perryridge Road
Greenwich, CT 06830
Attention: Ralph Sgambato

Melissa Banks
1400 Computer Drive
Westborough, MA 01581-5088
(508) 870-5200

LTQC1A.LTQ04 June 11, 2004

QTY	CATALOG	DESCRIPTION	PRICE

L2 Cache.
- o 1.5GB Standard. Intel Hyper-threading Technology.
- o 2GB DDR266 Dual Channel Memory with a Throughput of 4.2GB/sec.

Image Processor
- o Nvidia Quadro4 980XGL AGP 8X Graphics with 128MB Memory Silicon Graphics, Inc. VPRO V12-DCD Graphics Engine with 128 MB SDRAM
- o Graphics Processor Unit (GPU) Clock 300Mhz 104 MB TRAM (Texture Memory)
- o Graphics Memory Clock 325Mhz 448 Million Trilinear Textured Interpolations per Second

Image Display & Management Computer:
- o Windows NT Workstation Provides All Combined PET/CT Image Management Capabilities: Display, Image Analysis, Filming, Hardcopy, Archive, and Networking
- o Pentium P4 Xeon 2.8 Ghz, 512 KB L2 Cache 2 GB RAM
- o 73GB Ultra 32 SCSI Hard Drive 10,000 RPM.
- o Database Capability: 45GB or 2500 Studies (Whichever Comes First).

System Console Peripherals:

Accessories and Phantoms

- o One Fixed Offset Headholder, Two Armrests, Patient Security Straps and Patient Positioning Cushions
- o 20 cm Combination Phantom with Inserts Provided for Measuring PET Imaging Performance and Cross-Calibration with Well-counter
- o Inserts are Included for Measurement of Scattered Radiation, Scatter Correction, and Attenuation Correction
- o PET/CT Registration QC Phantom

Warranty

The published company warranty in effect on the date of shipment shall apply. The company reserves the right to make changes. All specifications are subject to change.

Regulatory Compliance

This product is designed to comply with applicale standards under the Radiation Control for Health and Safety Act of 1968.

Laser alignment devices contained within this

GE Medical Systems
General Electric Company
P.O. Box 414, Milwaukee,
WI, 53202-0414
gemedical.com

PRELIMINARY PROPOSAL

Greenwich Hospital
5 Perryridge Road
Greenwich, CT 06830
Attention: Ralph Sgambato

Melissa Banks
1400 Computer Drive
Westborough, MA 01581-5088
(508) 870-5200

LTQC1A.LTQ04 June 11, 2004

QTY	CATALOG	DESCRIPTION	PRICE
		product are appropriately labeled according to the requirements of the Center for Devices and Radiological Health. This product is a CE-compliant device which satisfies regulations regarding Electro-Magnetic Compatibility (EMC) and Electro-Magnetic Interface (EMI), Pursuant to IEC-601.	
1	E8690AD	Discovery ST Pin Source for International Use	
		Injector	
1	E8007ND	Medrad Stellant D CT Injector with Counterpoise System Mount and Dual Injector Head with Saline Flush Capability ..C	
		PETCT On Site Training	
1	W7004CT	CT On-site Software Training for Cardiac Snapshot, CardIQ Analysis, and CardIQ Function 3 Days	
1	B7501CT	CT Advantage Sim Training o (1) 3 Day On Site Visit for Training Advantage Sim and Advantage CT/MR Fusion and CT/PET Fusion	
		Distance Learning	
2	R0857NT	PET and PET/CT Oncology Image Interpretation for Reading Physicians - PC Version This Course, Available to Order on CD-ROM or as Online Web Course, is Designed to Introduce Physicians to PET Image Interpretation. Detailed Case Studies Presented by World Renowned PET Experts Demonstrate Normal Distribution of FDG, Patient Preparation, FDG Administration and Uptake Phase, Normal and Post-therapeutic Variants and Artifacts, SUV Analysis, Clinical Image Interpretation for Diagnosis, Staging and Re-staging, and PET/CT Study Acquisition and Normal and Post-therapeutic Variants. Course is Delivered Through Asynchronous Web-based Platform. With the Use of Streaming Video and Audio, This Platform Leverages the Video, Text, Graphics, Case Studies and CE Testing to Provide High Quality Education On Demand. Also Includes Accompanying Slides and Text Transcripts of the Presentations Which are Time Coded and Fully Synchronized. This Course Consists of 1 CD-ROM.	
2	R0743TP	Positron Emission Tomography (PET) Imaging is the Fastest Growing Procedure within the Nuclear Medicine Department. Coupling CT (Computed	

GE Medical Systems
General Electric Company
P.O. Box 414, Milwaukee,
WI, 53202-0414
gemedical.com

PRELIMINARY PROPOSAL

Greenwich Hospital
5 Perryridge Road
Greenwich, CT 06830
Attention: Ralph Sgambato

Melissa Banks
1400 Computer Drive
Westborough, MA 01581-5088
(508) 870-5200

LTQC1A.LTQ04 June 11, 2004

QTY	CATALOG	DESCRIPTION	PRICE
		Tomography) with PET Promises to Move PET Imaging into a New Dimension. The Program Discusses the Fundamentals of PET and Helical CT Imaging. The Various, Positron Emitting, Radionuclides that are Currently Available are Discussed and their Applications Reviewed. The Instrumentation is Explained Along with their Clinical Applications. The Program Provides a Good Foundation for Nuclear Departments that are Starting to Image with Hybrid Positron/CT Scanners. This Basic to Intermediate Level Program is Intended for all Nuclear Medicine and PET Physicians and Technologists. CE Credit is Available. Upon Completion of this Course, Participants will be Able to: 1) State the Basic Principles of PET Imaging. 2)State the Basic Principles of Helical CT. 3)Discuss the Isotopes Used and their Applications. 4)Explain the Principles of Image Fusion and its Applications. Duration of 1.5 Hours. This Course is Delivered Via CD ROM.	
2	R0866NT	PETech: PET Fundamentals for Technologists This CD-ROM course is for Technologists who want to learn about PET Imaging. PETech: PET Fundamentals for Technologists includes Seven Distinct Courses and is Designed for Technologists who work in Hospitals, Clinics, Imaging Centers, Mobile PET Units and other Facilities with New or Existing PET Scanners as well as Technologists and other Healthcare Staff looking for Continuing Education Opportunities. Course Topics Include: PET Physics, PET Radionuclides, PET Instrumentation, PET Quality Control, PET Anatomy and Pathology, PET Clinical Applications and PET Software Applications. This Course Offers 8.25 Continuing Education Hours.	
1	E8500NB	Pinestar Patient Arm Support System for Nuclear, PET/CT, MRI. Flat Base, Coated Arm Support Combines Total Arm Support and Passive Restraint Increasing Patient Comfort During Extended Procedures. Velcro Mounted, Easily Cleaned, Compatible with Most Systems ..H	
1	R0853NT	PET Oncology Fundamentals for Reading and Referring Physicians This PET (Positron Emission Tomography) Oncology Fundamentals for Reading and Referring Physicians Course is Designed to Increase Physician Understanding of Clinical PET. Detailed Case Studies Presented by World Renowned PET Experts Demonstrate how PET Impacts Cancer Detection, Cancer Staging, and Therapy	

GE Medical Systems
General Electric Company
P.O. Box 414, Milwaukee,
WI, 53202-0414
gemedical.com

PRELIMINARY PROPOSAL

Greenwich Hospital
5 Perryridge Road
Greenwich, CT 06830
Attention: Ralph Sgambato

Melissa Banks
1400 Computer Drive
Westborough, MA 01581-5088
(508) 870-5200

LTQC1A.LTQ04 June 11, 2004

QTY	CATALOG	DESCRIPTION	PRICE
		Evaluation. In Addition to the Case Studies this Course Includes a Physics Review, the Basics of Image Interpretation, an Overview of Indications, and a Summary of PET and CT Image Fusion Technology. There is Also Information on Marketing of PET Services and a Summary of Reimbursement. The Program is Designed for Physicians Performing PET Procedures as Well as Physicians who Refer Patients for PET Studies. Other Professionals in Diagnostic Imaging or Oncology will Also Benefit from the Content Provided. Upon Completion of the Course, Participants will be Able to: 1) State the Core PET Clinical Applications for Oncology. 2) Explain the Fundamental Principles of PET Imaging and PET/CT Fusion. 3) Use Case Studies to Demonstrate the Efficiency of PET Imaging. 4) Explain the Basics of Image Interpretation. Duration is Six Hours.	
		Operators Workstation	
1	P5051PS	Discovery ST Uninterrupitable Power Supply	
		Recommended Accessories	
		Performance	
1	B7500PL	ConnectPro HIS/RIS Interface Option for LightSpeed with Linux (includes bar code reader) ConnectPro Offers New Levels of Productivity to LightSpeed Users by Providing a Connection Between the Facilities Hospital (HIS) or Radiology (RIS) Information System. ConnectPro Simplifies and Eliminates Errors in Patient Data Entry. Data Available at the Operator Console When Using ConnectPro Includes: o Procedure Step Code/Description o Requested Procedure Code/Description o Performed Procedure Step Compatibility o Demographic Data - Name, ID, Age, Birthday, Sex, etc. o Study UID - Unique ID Number o Scheduling Info - Dept, Modality, Station Address, Accession #, Date, Time The Operator has Three Convenient Ways to Enter Patient Information:	

GE Medical Systems
General Electric Company
P.O. Box 414, Milwaukee,
WI, 53202-0414
gemedical.com

PRELIMINARY PROPOSAL

Greenwich Hospital
5 Perryridge Road
Greenwich, CT 06830
Attention: Ralph Sgambato

Melissa Banks
1400 Computer Drive
Westborough, MA 01581-5088
(508) 870-5200

LTQC1A.LTQ04 June 11, 2004

QTY	CATALOG	DESCRIPTION	PRICE

- o Scan Barcode
- o Type in Unique Identification Number
- o Select From a List of Patients

All of This Results in:

- o Enhanced Productivity
- o Direct Patient Data Entry
- o On-line Access to Schedules
- o Display of Patients Scheduled for Current Time of Day
- o Full Simultaneity with All Scanner Operations
- o Eliminates Errors Critical for "Filmless" Operation
- o Enhances Quality of Care
- o Obtain Key Data From Your HIS/RIS via Modality Worklist - Allergies, Pregnancy Status, Medical Alerts
- o Easy to Use
- o User-selectable Filtering and Sorting
- o Seamless Integration with LightSpeed
- o Performed Procedure Step Compatibility

Note: May Require Interface Box for Conversion of HL7 to Dicom.

System Options

1 P5005LS 5-day PET/CT Masters Series

The 5-day PET/CT Masters Series is Designed to Give Physicians an Avenue to Learn About Clinical PET/CT and Help Them Deliver Better Patient Care While Maximizing Productivity. These Classes are Balanced with Class Work, Image Interpretation and Small Class Sizes That Ensure Active Participation and are Taught by Leading Physicians and Scientists who Provide Instruction in PET and PET/CT Imaging.

- o Comprehensive Agenda
- o Read with the Experts

GE Medical Systems
General Electric Company
P.O. Box 414, Milwaukee,
WI, 53202-0414
gemedical.com

PRELIMINARY PROPOSAL

Greenwich Hospital
5 Perryridge Road
Greenwich, CT 06830
Attention: Ralph Sgambato

Melissa Banks
1400 Computer Drive
Westborough, MA 01581-5088
(508) 870-5200

LTQC1A.LTQ04 June 11, 2004

QTY	CATALOG	DESCRIPTION	PRICE

- Hands-on Experience
- Clinical Applications
- PET Technology
- Radio Pharmacy
- CME Credits (Johns Hopkins Offers 30.5 CME Credits)

TOTAL NET EQUIPMENT SELLING PRICE 2,399,090.00

GE Medical Systems
General Electric Company
P.O. Box 414, Milwaukee,
WI, 53202-0414
gemedical.com

PRELIMINARY PROPOSAL

Greenwich Hospital
5 Perryridge Road
Greenwich, CT 06830
Attention: Ralph Sgambato

Melissa Banks
1400 Computer Drive
Westborough, MA 01581-5088
(508) 870-5200

LTQC1A.LTQ04 June 11, 2004

QTY	CATALOG	DESCRIPTION	PRICE
		Equipment Options	
1	E8200DS	Codonics Horizon Ci Imager. CE Marked. Media Sizes: 8 Inch x 10 Inch Film and Paper, 14 Inch x 17 Inch Film and Paper, A-size Paper, 320 dpi, 4096 Levels of Gray. For Use with GE CT, MR, and Lunar Products ..E	42,000.00
1	B79001MF	Advantage Sim 6.0 is Used to Prepare Geometric and Anatomical Data Relating to a Proposed External Beam Radiotherapy Treatment Prior to Dosimetry Planning. Anatomical Volumes can be Defined in Three Dimensions Using a Set of CT Images Acquired with the Patient in the Proposed Treatment Position. The Geometric Parameters of a Proposed Treatment Field are Selected to Allow Non-dosimetric, Interactive Optimization of Field Coverage. Defined Anatomical Structures and Geometric Treatment Fields are Displayed on Transverse CT Images, on Reformatted Sagittal, Coronal or Oblique Images, on 3D Views Created From the CT Images, or on a Beam Eye's View Display of Defined Structures with or Without the Display of Defined Structures with or Without the Display of Digitally Reconstructed Radiograph. Speed: The Package Allows Complete 3D Volumes to be Defined and Manipulated Using Automatic Thresholding Tools, Structure Drawing with or Without "Live Wire" to Pixel Value Gradients and Automatic Interpolation. Beam Placement is Facilitated with Automatic Isocenter Placement and Beam's Eye View. Ease of Use: The Package is Mouse Driven with a Windows User Interface. The Press of a Single Button Using Pre-defined and Configurable Treatment Plan Templates Linked to Patient Anatomy Offers Many Functions. Protocol Specific Structure Names and Properties, Beam Geometry and Field Shape can be Loaded From a Palette of Templates. Pre-defined Sequences of Actions can Then be Applied Adding to the Ease of Use. Flexibility: Contouring and Field Definition Parameters can be Modified on the Fly to Allow Thresholds, Margins and Display Characteristics to be	40,000.00

GE Medical Systems
General Electric Company
P.O. Box 414, Milwaukee,
WI, 53202-0414
gemedical.com

PRELIMINARY PROPOSAL

Greenwich Hospital
5 Perryridge Road
Greenwich, CT 06830
Attention: Ralph Sgambato

Melissa Banks
1400 Computer Drive
Westborough, MA 01581-5088
(508) 870-5200

LTQC1A.LTQ04 June 11, 2004

QTY	CATALOG	DESCRIPTION	PRICE
		Tailored to a Given Patient Data Set. Efficiency: The Package is Designed for Use Independently of a Treatment Planning System, Enabling the Physician to Define Volumes and Select Treatment Technique at a Dedicated Workstation. Any Plan can be Saved and Pushed to a RTP System as Standard DICOM RT Objects. DICOM RT Structure Set and RT Plan Objects can Also be Received From DICOM RT Compliant Systems and Re-simulated in Advantage Sim. Informative: 3D Based Image Display and Manipulation Provides Full Information About the Patient Anatomy at Image Acquisition Resolution, Up to 512 x 512 Matrix. Pre-requisites: AW 4.0 or Higher All Software Packages are Non-transferable to Other Hardware and are Non-returnable.	
1	P5050ZA	Discovery ST Customer Marketing Kit A Ready to Use, Comprehensive Marketing Communications Program That Provides the Tools Needed by GEMS Customers to Market Their Services in the Local Area. Part I: Marketing and Advertising Materials Part II: Press and Public Relations Materials	12,000.00

PRICING PROPOSAL

General Electric Company is pleased to submit this Pricing Proposal for budgetary purposes only. This Pricing Proposal will be valid until August 10, 2004, unless otherwise indicated herein. If you would like to place an order for the equipment listed herein, your GE Sales Representative will arrange for the preparation and submission to you of a formal GE Quotation, including applicable GE Terms and Conditions and Warranties, for your consideration. Only a formal GE Quotation may be used to create a binding order for this equipment.

Upon request, your GE Sales Representative can also provide you with information concerning GE training, lease/finance and service agreement options.

STATE OF CONNECTICUT

Department of Public Health

Attachment III

LICENSE

License No. 0045

General Hospital

In accordance with the provisions of the General Statutes of Connecticut Section 19a-493:

Greenwich Hospital of Greenwich, CT, d/b/a Greenwich Hospital is hereby licensed to maintain and operate a General Hospital.

Greenwich Hospital is located at 5 Perryridge Road, Greenwich, CT 06830

The maximum number of beds shall not exceed at any time:

32 Bassinets
174 General Hospital beds

This license expires **September 30, 2005** and may be revoked for cause at any time.

Dated at Hartford, Connecticut, October 1, 2003. RENEWAL.

Satellites

Cohen Pavilion, 27 Lafayette Place, Greenwich, CT
The Endoscopy Center of Greenwich Hospital, 500 West Putnam Avenue, Greenwich, CT
Holly Hill Campus, 55 Holly Hill, Greenwich, CT

Norma Gyle, R.N., Ph.D., Acting
Commissioner

ATTACHMENT IV

PROJECT DESCRIPTION FOR LETTER OF INTENT

Greenwich Hospital PET/CT Scanner

A member of the Yale New Haven Health System, Greenwich Hospital is a community teaching hospital, affiliated with the Yale University School of Medicine. Greenwich Hospital is a progressive medical center offering a wide range of medical, surgical, diagnostic and preventive programs. Greenwich Hospital is committed to providing the highest quality of care to the communities it serves. Greenwich Hospital's Department of Public Health License is presented in Attachment III. With this Letter of Intent, Greenwich Hospital is seeking approval to acquire a fixed site PET/CT scanner to be located on the hospital campus.

Greenwich Hospital is a member of the Fairfield County Mobile PET Collaborative. As one of the six hospitals in the collaborative sharing the mobile PET scanner, Greenwich Hospital has provided PET services on-site at the hospital one (1) day a week since the beginning of the collaborative services in October 2002. Consistent with the original Office of Health Care Access approval, Greenwich Hospital expanded services to two (2) days a week in February 2004. Volume has grown steadily. Since inception, the respective quarterly volumes of PET scans were: 84 scans, 70 scans, 81 scans, 92 scans, 94 scans and 123 scans. At present, the vast majority of PET scans at the hospital are for oncology services. The demand for PET scan oncology services continues to grow. In the near future, the hospital expects to expand to include cardiac and neurological PET scan services. This will even further constrain the hospital's ability to meet demand for PET scans in a timely manner. Greenwich Hospital also has both a multi-slice and single-slice CT scanner. The multi-slice CT scanner is in operation seven (7) days a week while the single slice system is used for selective studies, for overflow and as back-up for the multi-slice system.

PET/CT has been accepted as a superior technology that benefits patients through offering the capability of providing both a PET and CT scan. Greenwich Hospital has informed the other Fairfield County Mobile PET Collaborative hospitals of its intention to seek OHCA approval for a fixed site PET/CT at Greenwich Hospital rather than going forward with the mobile PET/CT arrangement approved by the Office for Health Care Access for the Collaborative.

With the implementation of a fixed site PET/CT scanner at Greenwich Hospital, the hospital would be able to serve its patients better through timely access to needed care. The fixed site PET/CT scanner would replace the mobile PET system currently used by the hospital through the collaborative and be available six (6) days a week. The PET/ CT scanner would also replace the single slice CT system at the hospital to provide a backup to the existing multisided CT.

The proposed Certificate of Need would not impact other area providers. Greenwich Hospital would use the proposed PET/CT scanner to serve its current population. The lack of participation by Greenwich Hospital in the mobile PET/CT arrangement approved for the Collaborative would not interfere with the implementation of that arrangement by the other Collaborative hospitals. The payer source and target market would remain unchanged.

The addition of a fixed site PET/CT scanner would enhance the State of Connecticut health care delivery system. Greenwich Hospital would be able to provide patients with state-of-the-art, easily accessible, excellent quality care when they need it, as soon as they need it.