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# BACKGROUNDER

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## ABBOTSFORD TECHNOLOGY HIGHLIGHTS

Total construction and equipment cost of the Abbotsford Regional Hospital and Cancer Centre is $355 million. Highlights of the $30-million equipment package announced today include the following:

Comprehensive Cardiology Care Unit
- One telemetry system – enables wireless communication of patient's vital signs
- Physiological monitoring system for 24 beds
- Three mobile monitors

Diagnostic Services
- Two treadmill systems, seven ECG machines and one ECG Holter monitoring system, which records ECG data 24/7, and can be carried by the patient
- MUSE information management system – an ECG data system that allows faster access, delivery and analysis of patient cardiac information

Emergency
- Physiological monitoring system for 30 beds
- Portable ultrasound unit

General Day Care Unit
- One nine-inch digital c-arm – portable fluoroscopy or live X-ray unit, used in general/orthopedic surgical cases
- Four mobile monitors

Intensive/Stepdown Care Unit
- Physiological monitoring system for 18 beds
- Two mobile monitors and 14 multipurpose ventilators

Maternal Care Program
- One obstetrics ultrasound unit and one portable ultrasound
- Physiological monitoring system – includes 24 fetal monitors and patient information management system

Medical Imaging
- One MRI unit – uses a strong magnetic field and radiofrequency waves to generate detailed images of soft tissues, bone and blood vessels in any plane
- Two CT scanners – generates high-resolution, cross-sectional images of the body
- One digital mammography unit – a low-dose X-ray device for breast imaging that produces digital images, allowing for advanced imaging at multiple locales

- Four digital mobile X-ray units, one angiography unit, and three digital radiographic units, which allow for advanced imaging at multiple locales
- Two digital fluoroscopy units, which are capable of producing static X-ray images and live continuous X-ray images for studies such as barium studies of the digestive tract
- Two vascular echo ultrasound units, four ultrasound units and two digital echo ultrasound units, which are capable of analysing heart functions in a non-invasive manner
- One bone densitometer – uses X-rays to measure and report the bone mineral density of a patient and evaluate a patient for osteoporosis
- Physiological monitoring system for four beds and one transport monitor
- Digital picture archiving and communications system (PACS)

Nuclear Medicine

- Three gamma cameras – detects a signal from a patient who has been given a radioactive isotope specific to the type of examination; the signal is converted to an image that highlights areas of concern

Outpatient Breast Health Services

- One digital screening mammography unit

Radiation Therapy

- One ECG machine and one anesthetic machine
- Two CT simulators

Special Care Nursery

- Physiological monitoring system for 16 beds
- Three infant ventilators
- 14 incubators and infant resuscitation units

Surgical Services

- Physiological monitoring system for 55 beds, two mobile physiological monitors and two transport monitors
- 10 anesthesia patient systems, including a patient information system
- One 12-inch digital c-arm, one urological imaging system and one mini digital c-arm, a portable fluoroscopy or live X-ray imaging unit for small-joint orthopedic cases
- One portable ultrasound unit

Various Departments

- 82 portable vital signs monitors

GE Healthcare will also provide digital picture archiving and communications system (PACS) for the new hospital and cancer centre. PACS is a computer system that allows the digital capture, viewing, storage and transmission of medical images. PACS replaces conventional X-ray film and greatly improves access to patient information by providing the ability for referring clinicians to review their patient's images on computer screens in the hospital or from their own offices.

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Contact: Marisa Adair
Communications Director
Ministry of Health
250 920-8500 (cell)
250 952-1889 (media line)

Jennifer Davies
Director, Communications
Government Relations
Partnerships BC
604 660-0946

Fraser Health
Communications
604 450-7881 (pager)

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