

**Equipment Drive 2009 - 2010**

Welland Hospital Foundation has committed to fund almost \$400,000 worth of urgently needed equipment, some of which appears on the list below. Please be generous as donations from the community are the only source of revenue, as no government funding is available for these items.

**Central Monitoring System (Intensive Care Unit)..... \$102,959**

The ICU is a 16 bed unit including an 8 bed ICU for patients who are primarily multi-system failure, on a ventilator, cardiac or dialysis patients requiring a high level of invasive monitoring and intensive care. The patient's information will be seen at the bedside and at the central monitoring station at the Nurses Station. The second 8 beds are in the cardiac monitored care/step-down unit for less intensive observation through the use of wireless telemetry packs and two beds with bedside monitoring capability. The wireless telemetry system will allow a patient to be seen throughout the hospital i.e. when being taken to x-ray.

The foundation will fund this monitoring system over five years at a cost of \$105,000 annually for a total cost of more than \$500,000 (*2<sup>nd</sup> year of five year commitment*).

**Anaesthetic Machine (Surgical Services & Maternal/Childcare)..... \$51,363**

Every surgery requires general anaesthesia as a back-up to any other form of anaesthesia. With five operating rooms in use up to five days per week for surgeries from gallbladder to hip or knee replacements, the anaesthesia machines are well utilized. New technology ensures excellent patient care and attracts new specialists to practice at the Welland Hospital.

The foundation will fund these machines over five years at a cost of \$269,089 (*3<sup>rd</sup> year of five year commitment*).

**Endoscopy Scopes (Ambulatory Care).....\$44,570**

The Endoscopy Department has a need to replace all of its endoscopes. At the Welland Site approximately 2500 scopes are performed each year. These scopes are used to visualize the stomach and bowel. The Doctor is able to take samples of tissue, remove polyps, stop bleeding and give the patient a diagnosis of the problem.

The scopes are also used in the Regional Colorectal Screening program as a preventive cancer screening tool.

The foundation will fund these scopes over five years at a total cost of \$222,850.

**Bariatric Bed (4<sup>th</sup> Floor).....\$30,000**

This is a bed which is required to meet the special needs of a bariatric patient which includes additional length, width and a specialty mattress. There has been an increasing need for this specialized bed on the inpatient surgical unit in recent years.

**Blood Bank Freezer (Laboratory).....\$12,000**

A blood bank plasma freezer is a continuously monitored -30°C system with alarm to store essential blood products required during clinically significant bleeding. Products such as Frozen Plasma and Cryoprecipitate supply much needed clotting factors in times of urgent need such as trauma due to motor vehicle accidents or massive bleeding. They are also used to help reverse the effects of blood thinners prior to emergency surgery. Having a freezer that meets Canadian Standards on site prevents waiting for the products from having to come from other centers.

**Carendo Bathing System (reclining shower chair) (Extended Care Unit).....\$8,700**

Residents living in Long Term Care enjoy their showers or baths twice a week. Safety and comfort adds to this experience. The Carendo bathing chair has many functions to meet each individual resident's needs. It can be reclined to support frail resident's posture, raised to help the care giver give personal care and transport the resident back to their room. On other occasions the chair can be utilized to support toileting. Bathing is so important in the social model of care that we offer to our residents.

**(2) Electric Beds (6<sup>th</sup> Floor) & (1) (Complex Continuing Care) .....\$7,500**

The replacement of beds is a constant need for patient safety and comfort. The wear and tear on hospital beds is multiplied many times more than our beds at home. Hospital beds are in use around the clock, day after day.

<b>Hydraulic Treatment Table (Occupational Therapy)</b> .....	<b>\$7,000</b>
This table is used for a variety of patients attending therapy treatment in order to improve balance, sitting tolerance, upper body strength and endurance. The table can adjust to different heights to accommodate a variety of patients. This table will allow the therapists to offer more treatment options to our in-patients.	
<b>Ceiling Lift (Complex Continuing Care)</b> .....	<b>\$6,800</b>
Ceiling lifts are an important piece of equipment to support patients and assist the staff with transferring patients so that they are able to get up and out of their beds. These lifts are installed with an overhead track so that the patient can be moved to and from a variety of positions in the room. The installation of this ceiling lift will complete all rooms on Complex Care.	
<b>Phototherapy lights (Mat/Child)</b> .....	<b>\$6,500</b>
Phototherapy lights are a necessary piece of equipment needed to treat jaundice in a newborn. As a newborn's liver cannot clear bilirubin rapidly enough from the infant's blood, jaundice occurs. Using phototherapy lights, when medically indicated, decreases blood bilirubin levels and prevents complications.	
<b>(2) Epidural Pumps (Surgical Services)</b> .....	<b>\$6,000</b>
An epidural infusion is a way of giving medicine to control pain. The medicine is given through the lower back into the space around the spinal cord called the epidural space. The epidural space goes from the bottom of the skull to the tip of the tail bone. The epidural nerves travel through this space. While a patient is asleep during the operation, the doctor will put a very thin plastic tube into the lower back.	
The epidural catheter is connected to a special pump. This pump allows for a continuous infusion of pain medication through the catheter and then into the patient's back. A patient will get this medicine all the time during and after the operation until the epidural catheter comes out.	
<b>(7) Vital Signs Monitor (ICU)(4<sup>th</sup> Floor)(Ambulatory Care)(6<sup>th</sup> Floor)(Emergency)</b> .....	<b>\$4,800</b>
This is a multipurpose monitor that allows the health care team to continuously reassess the patient's heart rate, blood pressure and oxygen saturation. The monitor can be used while the patient is in bed or can also be used as a portable unit, as required.	
<b>(7) Infusion Pumps (Emergency)(ICU)(Nephrology)(Mat/Child)</b> .....	<b>\$4,000</b>
The Emergency Department needs to replace three of these workhorses, which monitor and control proper flow rates for intravenous (IV) solution.	
On the Maternal/Child Unit, IV pumps are used to safely control the amount of fluid an infant or child receives. All IV's must be on a pump as the dosages are much smaller in infants and children than adults.	
<b>Honeywell Imaging System (Diagnostic Imaging)</b> .....	<b>\$4,000</b>
The Panic/alarm system will support communication in an emergency from CT/xray or Ultrasound to ER and provide assurance that there will be a response from Security or Emergency in the event of a patient or staff incident particularly at night or weekends when there is no one else in the Diagnostic Imaging Department.	
<b>Smoke Evacuator (Ambulatory Care)</b> .....	<b>\$3,500</b>
Lasers and electrocautery are used for surgery to vaporize, coagulate, and cut tissue. The vapours, smoke, and particulate debris produced during these surgical procedures are called laser plumes. Laser plumes may contain carcinogens, irritants, and fine dusts.	
Smoke evacuators are mobile units consisting of a vacuum pump, filter, hose, and an inlet nozzle placed close to the source of the smoke.	
<b>Paediatric Arrest Cart (Surgical Services)</b> .....	<b>\$3,100</b>
Special resuscitation cart for the paediatric patients in the operating and recovery rooms.	
<b>Patient Chart Storage System (Physiotherapy)</b> .....	<b>\$2,100</b>
The out-patient Physiotherapy department requires a patient chart storage system to maintain patient records in a secure, accessible location within the Physiotherapy department that meets the current College of Physiotherapy requirements for Record Keeping and Privacy legislation.	
<b>Ear, Nose &amp; Throat – clip applicator for nasal arteries (Surgical Services)</b> .....	<b>\$2,000</b>
An instrument used apply clips to control nasal bleeding.	
<b>Grand Total</b> .....	<b>\$380,692</b>