

Synopsis of Grant Commitments 2013/2014

Thunder Bay Regional Health Sciences Foundation

2013-001 Digital Mammography Unit with Stereotactic Breast Biopsy Replacement (Miller, \$200,000)

Equipment to replace and upgrade aging equipment

The Linda Buchan Centre currently has two digital mammography units, one with stereotactic breast biopsy replacement (which takes two images from different angles to create a 3D image to better locate tumours for more accurate needle placement during biopsy) and one without. The one without is aging, causing delays. This new unit will replace the old, and upgrade capabilities.

2013-003 Chemotherapy Unit Equipment Replacement – Terrace Bay (Riley & Roberts, \$8,350.00)

Equipment replacement for chemotherapy infusion

The chemotherapy program at McCausland Hospital needs to replace an aging triple-channel IV infusion pump for safe chemotherapy delivery.

2013-004 Chemotherapy Unit Equipment Replacement – Sioux Lookout (Shepherd, \$9,435.00)

Equipment replacement for chemotherapy infusion

The chemotherapy program at Meno Ya Win Health Centre needs to replace an aging triple-channel IV infusion pump for safe chemotherapy delivery.

For More Information: [Media Release – Sioux Lookout Meno Ya Win Health Centre Receives Grant from TBRHSF to Fund New Chemotherapy Equipment](#)

2013-006 Chemotherapy Equipment – Red Lake (Larson, \$17,189)

Equipment essential for the safe and effective day-to-day operations of a regional chemotherapy program

The Chemotherapy Unit at Margaret Cochenour Memorial Hospital in Red Lake requires a new biological safety cabinet for safe preparation of chemotherapy drugs, a new pain medication infusion pump, and a replacement refrigerator to ensure medications are stored at proper temperature.

For More Information: [Media Release – Red Lake Margaret Cochenour Memorial Hospital Receives Grant from TBRHSF to Fund New Chemotherapy Equipment](#)



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2013-007 Bariatric Treatment Chairs – Kenora (Fitzgerald, \$3,785)

Equipment for chemotherapy and dialysis patients weighing 300+ pounds

Currently both the dialysis and chemotherapy programs at Lake of the Woods District Hospital serve patients weighing in excess of 300 pounds, making their treatment chairs unsafe for patients and staff. These new chairs will provide better patient safety and comfort for bariatric patients.

For More Information: [Media Release – Lake of the Woods District Hospital Receives Grant from TBRHSF to Fund New Bariatric Treatment Chairs for Chemotherapy](#)

2013-008 Chemotherapy Unit Equipment Replacement – Fort Frances (Morand & Guertin, \$12,200)

Equipment replacement for chemotherapy infusion

The chemotherapy program at La Verendrye Hospital needs to replace an aging triple-channel IV infusion pump for safe chemotherapy delivery, as well as add a “chemo cart” for the storage and organization of supplies used during chemotherapy including rubber gloves, syringes, etc.

For More Information: [Media Release – Riverside Health Care Receives Grant from TBRHSF to Fund New Equipment for Chemotherapy](#)

2013-010 Thunder Bay and District Breast Cancer Support (Linstrom, \$5,000)

Program – support group for breast cancer patients and survivors

The Thunder Bay and District Breast Cancer Support Group provides support through monthly meetings and other events to patients diagnosed with breast cancer throughout treatment and survivorship.

2013-013 Ultrasound Unit Replacement (Miller, \$180,000)

Equipment to replace aging unit and upgrade capabilities

The Ultrasound Department currently performs 30,000 exams annually. However, aging equipment could lead to maintenance issues and delays in patient care. This new unit will replace an older unit (purchased in 2000), upgrading image quality and resolution for improved diagnostics.

2013-017 COPE – Linda Buchan Speaker Series (McMullen, \$3,000)

Program speaker series for medical professionals

The Community Oncology Professional Education (COPE) is an annual professional education workshop for healthcare professionals. The Linda Buchan Speaker Series will allow COPE to invite relevant cancer experts from around the world to deliver the keynote speech.



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2013-019 Two IV Pumps for 2C Cardiovascular Unit (Miller, \$13,050)

Equipment to extend current IV capabilities

The 2C Cardiovascular Unit identified an opportunity to increase the number of IV pumps for its patients to deliver pain medications, antibiotics, cardiac-specific medications, and other medications intravenously. The addition of two new units will help improve timely care and overall patient outcomes.

2013-021 Ultrasound Unit for Cardiac Cath Lab (MacDougall, \$22,694)

Equipment to help cardiologists with image-guided insertions

This new ultrasound unit will help interventional cardiologists locate veins deeper inside the body during several procedures including pacemaker insertion. The unit will simplify technical procedures, reduce procedure time, reduce certain risks for certain patients, and ultimately improve patient care.

For More Information: [New Ultrasound in Cath Lab Improves Patient Safety](#)

2013-022 Rotational Atherectomy (Rotablator) Unit for Cardiac Cath Lab (MacDougall, \$25,000)

Equipment to extend specific angioplasty capabilities

Angioplasty opens arteries to the heart by pressing plaque build-up against the artery wall. Sometimes this plaque hardens, making it impossible to do the procedure. This unit allows cardiologists to “drill” through the hardened plaque, reducing the need to send patients away for this or an alternative procedure.

For More Information: [Rotablator Opens Pathway to the Heart Thanks to Foundation Grant](#)

2013-026 Dialysis Machines for Renal Services (Salomon, \$56,000)

Equipment to replace aging equipment and upgrade capabilities

Dialysis machines clean the blood of patients in kidney failure. Two new units will replace aging models (7+ years) and will upgrade capabilities with new technology.

2013-026 Wheelchairs and Parts for Health Sciences Centre General Use (Sutherland, \$27,349)

Equipment to transport patients and others who cannot walk long distances

Each day, approximately 500 patients and others are transported within the Health Sciences Centre to various locations for tests, procedures, and appointments. These 35 additional wheelchairs will help better meet transport needs. Additional parts will allow the upgrade of existing wheelchairs.



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2013-034 Babylog Ventilator with Stand and Accessories for NICU (Purdon, \$49,000)

Equipment to help newborns with breathing issues get enough oxygen

The Babylog ventilator is a machine that provides mechanical breathing support to newborns with breathing issues (usually sick or pre-term babies) until they are able to breathe on their own. This unit features new technology to help reduce risks sometimes associated with long-term ventilator use.

2013-035 Giraffe Shuttle for NICU (Purdon, \$26,000)

Equipment to help transport newborns in incubators more safely

Transferring newborns between isolettes (incubators) can pose certain risks to the babies including affecting the baby's temperature and simply disturbing the baby through movement. The Giraffe shuttle allows NICU staff to move the newborn without physically touching the baby for safer transport.

2013-036 Isolette (Incubator) for NICU (Purdon, \$33,000)

Equipment that provides a warm, safe environment for pre-term or ill infants

Pre-term or ill infants sometimes do not have the needed body fat so important to keeping themselves warm. The isolette helps infants maintain appropriate body temperature. This new unit will replace and upgrade current capabilities within the Neonatal Intensive Care Unit (NICU).

2013-037 Infant Flow SiPap Unit for NICU (Purdon, \$25,000)

Equipment that provides breathing assistance for newborns with respiratory issues

The SiPap unit helps newborns in NICU breathe by regulating the flow and percentage of oxygen. This mask-based or nasal-prong system is non-invasive, and allows skin-to-skin contact between baby and Mum or Dad.

2013-038 Ventilator for Critical Care Unit (ICU) (Miller, \$70,968)

Equipment replacement to help patients in ICU who require breathing assistance

Many patients in the Critical Care Unit (ICU) require the mechanical breathing assistance provided by a ventilator. This new unit will replace aging equipment, and upgrade current technology including being versatile enough to be used for adults and children over four-months old.



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2013-040 Health Sciences Centre Cardiac Monitoring Replacement Project (Beck, \$350,000)

Equipment replacement and upgrade for all heart monitoring within Health Sciences Centre

Most cardiac monitoring equipment is 10 years old or older, and the aging equipment needs replacement. New technology advancements include WiFi-based monitoring systems, centralized monitoring stations, and easier transfer of data when a patient moves between departments or units.

For More Information: [New Cardiac Monitoring System Improves Patient Care, Safety, and Comfort](#)

2013-042 Multi-Colour Laser System (MacDonald, \$185,000)

Equipment to replace and upgrade ophthalmology (eye) laser therapy

Current single-beam laser therapy unit is 14 years old and needs replacing. New multi-colour system uses three different wavelengths of lasers – separately or in any combination – to provide specific eye treatments. This reduces visits, provides more personalized care, and improves patient comfort.

For More Information: [Lions Clubs Continue to Support Vision Care in Thunder Bay](#)



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Other Additional Funding

Family CARE (Care Advancements Recommended by Employees) Grants (\$60,000)

Grant Program – Funding provided in collaboration with the Volunteer Association

The grant program encourages employees to apply for grants for the ‘little things’ that help enhance patient care at the Thunder Bay Regional Health Sciences Centre.

Thunder Bay Regional Research Institute (\$400,000)

Funding is provided to the TBRI to further the unique, patient-centred research being done in Northwestern Ontario to improve the lives of patients here at home, both today and in the future.

Regional Cancer Care Northwest Patient Refreshments (\$12,000)

Program – support for cancer patients and families while receiving treatment

Volunteers at Regional Cancer Care Northwest provide refreshments in the waiting room for patients and families who are receiving treatment. A cup of soup or a hot cup of tea are welcomed and add some of the comfort of home.

Dryden Regional Health Centre (Ryan, Rabbat & Furlong, \$50,000)

Equipment for colorectal cancer screening

The Dryden Regional Health Centre serves a population of approximately 15,000 and operates a colorectal cancer screening program that results in the early detection of colorectal cancer. Increased demand for the service, primarily due to an aging population, requires investment for updated equipment and instruments.



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