



**COMMUNITY SERVICES/
INFORMATION TECHNOLOGY COMMITTEE**

Wednesday, October 20, 2004, 1:00 p.m.

County Building, Wyoming – Committee Room #1

1. Libraries, Museums, and Gallery Lambton – C. Thayer
 - a) Libraries.....**LIB1 – LIB8**
 - b) Museums**MUS1 – MUS6**
 - c) Gallery Lambton..... **GL1 – GL6**
2. Housing Services– C. Thayer**HSG1 – HSG3**
3. Senior Services – C. Thayer.....**SSD1 – SSD14**
4. Emergency Medical Services – C. Thayer..... **EMS1 – EMS2**
5. Information Technology – L. Ross **IT1 – IT7**

PART B **Monthly Activities (continued)**

- The Grand Opening of Wyoming's new library will be held on Saturday, October 23. The program includes tours, refreshments, live entertainment and a ribbon cutting ceremony at 3:00 p.m.

b) SOLS

Wyoming Library will be the site for this fall's Trustee Council #1 (St. Thomas area) meeting on October 16. Stephanie Murray represents Lambton County Library on the Trustee Council and the new Wyoming Library is pleased to have the opportunity to show off their new facility.

- c) Lt. Governor James Bartleman's program to bring books to communities in Ontario's isolated north was a resounding success. Over one million books were distributed, with over a thousand coming from Lambton County libraries. Participating branch libraries contacted their OPP branches and gave both used books and donations of new books from the community, on an individual basis.
- d) Forest Library has submitted a grant application to the Forest Community Foundation to restart a "Homework Help" program in the community. With the hiring of a student coordinator and with the assistance of volunteers, this program is projected to aid elementary students with their homework three afternoons a week from November – May.
- e) Lambton County Library has submitted a grant for \$1,500.00 to ABC Canada, a literacy foundation, to supplement our children's French book collection. Funded by Coca Coal Ltd., the "Des Histoires à Partager" program supports family reading initiatives and is available to libraries with at least 25 participants in its French story hours.
- f) Inwood Library was featured in Brooke Telecom's September newsletter. A photo and article on the "Safari Jeff" visit this past summer was highlighted. Brooke Telecom volunteered their shop location for the library program which was attended by nearly 300 people. Also included in the feature were words of encouragement to their customers to make full use of the Inwood library.
- g) Theford Library fire update

We continue to await repair of the structural damage to the wall that was common to the library and former hotel. At this point, library staff still have not been permitted entrance into the damaged facility to assess damage or recover salvageable material.

PART B **Monthly Activities (continued)**

Lambton County Library’s Bookmobile Service will continue providing book selection services temporarily to the Thedford Community in the absence of a library building. It is scheduled for Saturday, October 9, 16 and 23, from 1:00 – 4:00 p.m. As winter approaches, the Bookmobile becomes a less viable option.

The Community Complex is also the temporary location for the many services. Patrons can pick up “holds” or material requests from other branches on Wednesdays from 6:00 - 9:00 p.m., Thursdays from 3:00 – 5:00 p.m. and Fridays from 10:00 a.m. – 12:00 p.m. Story Hour, for children ages 3 to 8, is held on Wednesdays at 6:00 p.m. and the preschool program, Tales for Tots, is held on Fridays at 10:00 a.m. Kid’s Korner, for children ages 8 and up, is available on Saturday, November 6, at 10:30 a.m. The “Book Return box” is located outside the complex.

However, currently we have not been able to provide Internet access but we are looking at different options available to us, nor are we able to provide patrons with access to browsing the collection. The Community Complex is not a viable option for either of these activities. There has been no indication from Lambton Shores regarding their intention either to restore the old location or provide a permanent alternate site.

h) Statistics pages 5,6

4. General Manager’s Report

Recommendation

That the General Manager’s Report as set out in Part A and Part B be accepted as presented.

PART C **Other Matters Requiring a Motion**

1. Correspondence

None at this time.

PART C **Other Matters Requiring a Motion (continued)**

2. Donations

- \$25.70 for reference materials at Sarnia Branch from Barry Beals, San Jose, CA.
- \$5.00 for reference materials at Sarnia Branch from Mark Thorburn, Delta, B.C.
- \$10.00 from Brigden donation box
- \$10 from Bright's Grove donation box
- \$12 from Mallroad donation box
- \$35.50 from Watford's donation box

Sale of used books: \$290.33

Recommendation

That these donations be gratefully accepted and that thank you letters be sent in accordance with the County's recognition policy.

Additional Items Attached for Information Purposes Only

Adult Programs Calendar September 2004

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Children's Programs Calendar September 2004

Page 8

PART B **Monthly Activities (continued)**

c) Lambton Fall Colour Craft Sale

This is the annual fundraiser which draws over 6,000 paid visitors to two locations, with over 100 professional craftspeople participating. Museum volunteers and Council members staff the food booth. The event runs October 16 & 17th, 10-5 PM. Several community partners are dependent on our event for successful fundraisers of their own: the Port Franks Art & Studio Tour, Thedford Firemen, Thedford Scouts Canada, Thedford Figure-Skating and others.

Other fall activities under preparation include the advance promotion phase of the Christmas school tours, which are popular at both museums, the unhangng of the Keep Me Warm One Night in Lambton Quiltshow, and advance selection for the Toys on Parade exhibition highlight for 2005.

d) Volunteer Appreciation Evening

Museum volunteers were invited to an evening event that began with the official opening of the Lambton Garden, a new project that incorporates welded sculptures and fossil rocks into a garden setting, to acquaint visitors to the area with the highlights of Lambton County. Ron Van Horne assisted with presentation of pins and certificates to each of 35 volunteers.

e) Community Outreach and Partnership

The Oil Museum of Canada set up a display of Oil Heritage books and videos in downtown Oil Springs, and mounted a promotional display at the Bluewater Tourist Information Centre.

Lambton Heritage Museum loaned a heritage projector and associated artifacts to Gallery Lambton's forthcoming film industry exhibition.

4. General Manager's Report

Recommendation

That the General Manager's Report as set out in Part A and Part B be accepted as presented.

PART C **Other Matters Requiring a Motion**

1. Collections Management

Lambton Heritage Museum

Artifacts Recommended for Acceptance:

- “Corn stooks”, folk painting by Edwin Johnson, from Bill Heinsohn, Sarnia.
- Stamped and painted wooden block set, 1920’s, for Toys on Parade, from Marjorie Miniely, London.

Artifacts Recommended for Deaccessioning:

- A large assortment of wine and vinegar bottles or liquid product containers are surplus to our needs. Many of these are 20th C bottles; all are of limited use in an exhibit sense; those of the local area have been set aside to be kept. For disposal: green bottles 976.2610; .2607; .2602; 2592 & .2591; clear bottles 976.2542; .2546; .2544; .690 & .2511; brown bottles 976.2557; .2619; .2601; 2567; .2567; .2560 7 .645.

Artifacts Recommended for Refusal:

- 2 Buckeye incubators (duplicate existing collection)

Lambton Room Donations

- Belden’s Illustrated Historical Atlas of the County of Lambton (Original Copy), 2 ledgers from the Alvinston Brick & Tile Company circa 1914-1928, Miscellaneous papers and scrapbooks, donated by Alvinston Branch Library, Alvinston, Ontario.
- Maple Leaf Women’s Institute Cash Book 1989-1994, Tweedsmuir History, donated by Maple Leaf Women’s Institute, Sarnia, Ontario.
- Photocopy of Beaver Hose Division 1, Sarnia Minute Book 1883-1889, donated by John Rochon, Sarnia, Ontario.
- Carter and Isaac Photo # 5388, donated by Bill Coristine, London, Ontario.
- Miscellaneous Papers pertaining to St. John’s Anglican Church, Alvinston, Ontario, donated by Rev. George Hamilton, Glencoe, Ontario.

PART C **Other Matters Requiring a Motion (continued)**

- Belden's Historical Atlas of the County of Lambton (Reprint), A Century Christ Anglican Church, Camlachie, Ontario and Our Heritage 1877-1977, Wyoming: The Hub of Lambton County, Historical Records of Elementary Schools in Plympton Township & Wyoming Village, Canada West's Last Frontier, A History of Community Action in Lambton County, Canada's Bluewater Country: Lower Lake Huron Sarnia and Lambton County, The Wardens, Councillors, Parliamentary Representatives, Judicial Officers and County Officials of the County of Lambton for 100 Years from 1849 to 1949, C.E.E. Hospital Addition Official Opening Programme 1976, donated by Marion Smith, Wyoming, Ontario.
- \$74.77 from used book sales
- \$70.29 from donation box

Recommendation

That these donations be gratefully accepted and that thank you letters be sent in accordance with the County's recognition policy.

2. Ontario Visual Heritage Project

Local hosting of the Ontario Visual Heritage Project has been confirmed as the major 2005 initiative for Heritage Sarnia-Lambton museums. A not-for-profit organization, Ontario Visual Heritage has researched, scripted and enacted broadcast-quality multimedia histories of six Counties, utilizing Trillium grants to underwrite a major portion of project costs. The history videos are then produced to DVD and distributed to every school, library, museum, gallery and tourist information centre as part of the overall project. Ontario Visual Heritage has agreed to lend its successful funding formula and considerable production skills to Kent and Lambton Counties as its next focus.

Funding for the project is dependent on \$30,000 in Trillium funds and \$20,000 local support of both cash and an in-kind nature. Levels of meaningful community contribution range from cash funding to assignment of publishing rights, access for on-site filming, copying, costume rentals, billets and lunches. Cash contributors are named in the Trillium grant provisions to share copyright access to use of the end product for educational, interpretive or promotional purposes.

PART C **Other Matters Requiring a Motion (continued)**

The Oil Museum of Canada hosted an information meeting October 8th for Lambton County with over 30 groups and corporations represented. Early public and corporate interest in this project is enthusiastic. Our goal is to produce a successful product which the County can utilize for tourism promotion, heritage awareness, economic development communications, and enhancement of community identity and pride.

Participants in the community partnership must soon be confirmed to make application to Trillium Foundation for the November 1 deadline. The County is being asked to provide management and fiscal reporting of the project, access to archival and artifact holdings, research time for storyline development, and financial support as a 2005 capital project.

Recommendation

That we endorse the Ontario Visual Heritage Project: Lambton in principle and refer the County contribution to the 2005 Committee for further discussion at budget time.

COMMUNITY SERVICES DIVISION
GENERAL MANAGER'S REPORT

October 20, 2004

GALLERY LAMBTON

PART A **Follow-up from Previous Month(s)**

No matters to report at this time.

PART B **Monthly Activities**

1. **Accounts and Verification**

Totals for the month of September: \$ 23,903.90

A listing of the accounts will be available at the meeting.

- | | | |
|------|------------------------------------------------------------|-----|
| i) | Are there any items significantly over Budget? | No |
| ii) | Are there any items significantly under Budget? | No |
| iii) | Were all items purchased in accordance with County Policy? | Yes |
| iv) | Are there any items that were not in the Budget? | No |

2. **Revenue and Verification**

Revenues received during the month of September: \$ 97,873.00

- | | | |
|------|--------------------------------------------------------------|----|
| i) | Were any receipts not included in the current year's budget? | No |
| ii) | Were any receipts significantly less than budgeted? | No |
| iii) | Were any receipts significantly more than budgeted? | No |

3. **Items of Committee Interest**

a) **Bus Trips**

McMichael Canadian Art Collection, Kleinburg, Ontario

A bus trip is being organized to see the exhibition *The Private Eye: Art, Collectors and Their Stories*, at the McMichael Canadian Art Collection, Kleinburg, Saturday, October 23, 2004. Thus far 17 people have registered.

b) **Exhibitions**

Representing Cinema: The Art of the Film Poster, October 16 to November 20, 2004 (Main Gallery). Organized and circulated by the Thames Art Gallery, Chatham, this exhibition features 32 movie posters from 1932 to 1974 and from 9 countries including Sweden, Japan, Italy, France and the USSR.

PART B **Monthly Activities (continued)**

In conjunction with this exhibition, there will be five screenings on Wednesday evenings on October 6 and 13, and November 3 and 10 at 7:00 pm at the Sarnia Library Theatre. The films will be from France, Italy, Sweden, Mexico and the U.S.A. All screenings are open to the public and free of charge and Darryl Latawiec will provide a brief introduction prior to each screening.

Dreams and Nightmares: The Drawings of Joseph Platzer, October 16 to November 20, 2004 (Sadie A. Knowles Gallery). Alvinston artist Joseph Platzer is best known for his three-dimensional wood and metal sculptures and his low relief wood paintings. Apart from a few graphite drawings shown previously, this will be the first exhibition devoted entirely to this medium.

c) Exhibitions: Upcoming

Tom Benner: Cruising the Margins, November 27, 2004 to January 8, 2005 (Main Gallery). Originated and circulated by the McIntosh Gallery, University of Western Ontario, this exhibition features three reconstructed cars of the late 1950s by London artist Tom Benner. The names of these cars were appropriated by the auto makers from the First Nations: Pontiac, de Soto and Apache.

Jane Austin: Constructions Titillating and Otherwise, November 27, 2004 to January 8, 2005 (Sadie A. Knowles Gallery). Petrolia artist, Jane Austin has previously shown her paintings of the southwestern Ontario landscape. This exhibition focuses on her small constructions that are witty plays on certain parts of the human anatomy.

d) ProgramsChildren's Art Classes

A full program of children's art classes are being offered throughout the Fall from Creative Wigglers (ages 2 to 5 years) to programs for ages 6 to 8 and 9 to 13. Thus far, the first two Creative Wigglers classes were almost full at 10 and 11 participants along with a care giver. The other children's art classes have 5 and 4 registrants respectively. The other classes are beginning to have registrants.

PART B **Monthly Activities (continued)**

Adult Art Classes

Exhibiting artist Johnene Maddison presented a workshop, *Creative Surfaces* on Saturday, September 25th and this was full at 12 registrants.

Cathleen Earle's watercolour art class in the East Room at the Sarnia Library beginning September 21 and ending on October 12, has 5 participants.

Public Lectures

Exhibiting artist, Johnene Maddison, gave a walking tour to approximately 50 enthusiastic participants on Saturday, September 25th.

Curator David G. Taylor gave a talk on the gallery and the Johnene Maddison exhibition: *Over Here: Women, Work and WW II*, on Tuesday, September 28th to 45 members of the University Women's Club.

Alvinston artist, Joseph Platzer will give a walking tour of his exhibition on Saturday, October 30, 2004 at 3:00pm.

Curator Otto Buj will present a walking tour of the exhibition, *Representing Cinema*, on Saturday, November 6, 2004 at 3:00pm.

Hidden Treasures Appraisal Day

Approximately 40 people had their treasures appraised by Jens Thielsen for fine art and Marvin Post for books on Saturday September 18th. This event raised approximately \$600.00 and the appraisers will donate back their fees.

e) Permanent Collection Loans

The Edmonton Art Gallery has borrowed Lawren Harris' *Winter Evening* and this will be returned in April 2005 following the exhibition at the McMichael Canadian Collection (December 4, 2004 to February 14, 2005).

David Morris' *Sumac #2* is currently on loan to the St. Thomas-Elgin Art Centre, St. Thomas for an exhibition on St. Thomas sculptor David Morris from September 4 to October 24, 2004.

PART B **Monthly Activities (continued)**

The Montreal Museum of Fine Arts is organizing a traveling exhibition, *Edwin Holgate: Master of the Human Figure* that will be a major retrospective. This is due to open at the MMFA on June 9, 2005. They have requested the loan of Gallery Lambton's *The Lumberjack, 1924*, for this show.

f) Grant applications

Two grant applications have been made to the Canada Council for Project Assistance. The first is for a publication for Sarnia artist, Ian McLean, in the amount of \$9,300 and the second is to assist with Sarnia artist, Shawn McKnight's exhibition, *Energy Exchange* in the amount of \$5,000. Both exhibitions will be shown from January 15 to February 19, 2005.

g) Statistics

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4. General Manager's Report

Recommendation

That the General Manager's Report as set out in Part A and Part B be accepted as presented.

PART C **Other Matters Requiring a Motion**

1. Correspondence

Nothing at this time

2. Collections Management Report

Toronto artist Jane Burns wishes to donate 16 original prints to Gallery Lambton. Thus far, Jane Burns is not represented in the collection. Each is signed, titled and dated, and the artist has provided information on the techniques and media used.

Ancient Coin, 1996

Oceanic, 2002

Shattered, 2004

Hot Flash 1, 2002

Hot Flash 2, 2002

Hot Flash 3, 2002

Whitewater, 2003

The Long Fall, 2000 (Wall hanging)

Elevation, 2002

Strata, 2002

Mountain Series (Spring), 2003

Mountain Series (Summer), 2003

Mountain Series (Fall), 2003

Mountain, 2004

Red Sky, 2000 (framed)

Dormant Volcano, 2000 (framed)

PART C **Other Matters Requiring a Motion (continued)**

Two other prints by Burns are not recommended for acquisition.

London Artist, Jean Hay (born 1911), wishes to donate three paintings on canvas to Gallery Lambton's permanent art collection. The subject matter is of the Canadian Arctic. Thus far, Jean Hay is not represented in the collection.

- i) *Rivers of Ice*, 2002. 39 x 56 in.
- ii) *Nowadays no-one even collects pennies*, 1994. 36 x 60in.
- iii) *Phytoplankton – lichen – maple leaves*, 1998. 2 pieces 54 x 47 in and 33 ½ x 14 in.

The Curator selected these three paintings during a visit to the artist's studio in July 2004 with the Curator of the McIntosh Art Gallery, University of Western Ontario. If accepted they will be displayed in the spring in an exhibition of selections from the Regional Collection of Gallery Lambton.

A painting by Evelyn Scott of Industrial buildings is not recommended for acquisition.

Recommendation

That we accept sixteen original prints by Jane Burns and three paintings by Jean Hay, as listed above, into the permanent art collection of Gallery Lambton and that thank you letters be sent in accordance with the recognition policy.

PART B **Monthly Activities (continued)**

c) Insurance

The Social Housing Reform Act (SHRA) requires Housing Providers to participate in a group insurance plan established through the Social Housing Service Corporation (SHSC). As the County of Lambton has taken direct ownership of the public housing stock, it is preferred that the County's normal insurance provider, Frank Cowan Company, also insure Housing Services. The County has arranged coverage through Cowan's and has requested permission from the Ministry to withdraw from the Social Housing Service Corporation's policy.

4. General Manager's Report

Recommendation

That the General Manager's Report as set out in Part A and Part B be accepted as presented.

PART C **Other Matters Requiring a Motion**

1. Capital Project 118 – Roofing and Rainware

Capital Project 118 for the replacement of roofing and rainwear on Kathleen Avenue, Cardiff Acres, 124 Queen Street, Sarnia; 436 Greenfield St., Petrolia and 3548 St. Clair Pkwy., Sombra has an approved budget of \$265,000. The actual cost of this project was \$214,886.30.

Recommendation

That the surplus of \$50,113.70 be placed in a reserve account for the continuation of row housing roof replacement on Kathleen Avenue in Sarnia in 2005.

PART B **Monthly Activities (continued)**

- b) LTC Public Reporting Data Verification pages 5-8

The Ministry of Health and Long-Term Care is developing a “Public Report for Long-Term Care” that will be available to the general public on the Ministry web site. This report will be based on data that the Ministry maintains in a database about each LTC Home. Information available includes reports on Home inspection findings with dates of the inspection(s) and any unmet standards, as well as a “score card” showing the number of unmet standards for the particular Home, compared to the average for all homes. The information contained on the site does not specify what the exact nature of the unmet standard is nor the exact complaint. The information is sorted into general categories.

After consultation with the Long Term Care operators, the Ministry is now including a link to each Facility’s own web page. This link will allow facilities to post their own information related to the unmet standard, including the Ministry approved compliance plan, the exact nature of the problem, and any additional relevant information. This should allow the public to access as much information as possible in order to determine the impact the unmet standard might have on the quality of resident care.

Attached is the information that will be posted on the Public Report Web Site for the County’s three facilities.

4. General Manager’s Report

Recommendation

That the General Manager’s Report as set out in Part A and Part B be accepted as presented.

PART C **Other Matters Requiring a Motion**

1. Correspondence Pages 9-11

- a) 11-4-04 Letter dated October 1, 2004 from the Ministry of Health and Long-Term Care, announcing funding enhancements. Effective October 1, 2004, the Homes will receive \$2.83 per resident per day (before an adjustment is made for the CMI). Effective April 1, 2005, the Homes will receive an additional \$0.75 per resident per day (before an adjustment is made for the CMI).

PART C **Other Matters Requiring a Motion (continued)**

In addition to the funding envelope adjustments, the Ministry will also be providing equalization adjustments for pay equity to a maximum of \$3.25 per resident per day and an additional structural compliance premium adjustment for previous Class A facilities that were not receiving the full \$3.00 per resident per day.

The Ministry's expectations relating to this new funding are that by January 1, 2005, LTC Homes will:

- increase Registered Nursing and Registered Practical Nursing staff to provide net new nursing time per resident;
- ensure that a Registered Nurse is on site and on duty 24 hours a day, seven days a week (The County is already meeting this standard at all three homes);
- ensure each resident is bathed twice a week by the method of his or her choice;
- increase full-time and part-time Personal Support Workers (PSW) and other direct care staffing, and;
- ensure that Resident menu plans and menu cycles will be signed by Registered Dietitians.

The County's three facilities will receive an estimated additional \$194,000 for the period October 1, to December 31, 2004 based on our current CMI's. Staff is in the process of reviewing the Ministry's expectations related to the funding and will report on potential staffing increases as part of the 2005 budget process.

Recommendation

That correspondence 11-4-04 be received and filed.

2. Donations

The following memorial donations have been received:
Marshall Gowland Manor - total of \$415.00

Recommendation

That these donations be gratefully accepted and that a thank you letter be sent in accordance with the County's recognition policy.

PART C **Other Matters Requiring a Motion (continued)**

3. Local Health Integration Networks (LHINs) pages 12-14

Recommendation

That staff work with the MoHLTC and other health care providers in Lambton County to ensure that the creation of the LHINs does not negatively impact on the health and well being of the residents of Lambton County.

PART B **Monthly Activities (continued)**

- c) Staff attended a meeting with Lambton College officials regarding the implementation of a Paramedic Program at their facility. The discussion included the benefits of providing a part time program, and program for skill enhancements, as well as the local need for paramedics. Current programs require two to three years to complete and the County's expanded service will be completed by the end of this year. Our requirement for paramedics will be substantially reduced in 2005, with the exception of part time employees. Staff will continue to work with the College, whatever the nature of the program.

4. General Manager's Report

Recommendation

That the General Manager's Report as set out in Part A and Part B be accepted as presented.

PART C **Other Matters Requiring a Motion**

1. Correspondence

None at this time.

PART B **Monthly Activities (continued)**

b) Paperless Council Meeting

Negotiations have been completed with ClearFrame Solutions for the purchase of electronic agenda software (eGenda). IT is currently working with the vendor to schedule some minor customizations and work out the implementation plan and schedule. Initial estimates by the vendor indicate a 6 to 8 week implementation which includes training for Councillors and staff. It is anticipated that the training will commence in December.

c) County Internet/Intranet

An initial prioritized task list has been developed that includes many new features for the County web site. Some projects include replacement of the Budget Minutes software using web technology, hosting and supporting lower tier municipality web sites, investigating eBusiness applications for Planning/Public Works/Galleries, and posting and tracking of purchasing and tender opportunities on the web.

4. Corporate Manager's Report

Recommendation

That the Corporate Manager's Report as set out in Part A and Part B be accepted as presented.

PART C **Other Matters Requiring a Motion**

1. County Supplied Internet Access for Councillors

IT has investigated supplying Councillors with internet access from home for County business. A wide array of methods are used by other municipalities to provide this service. For example, in the municipalities of Halifax, North Vancouver, Chatham-Kent and Kawartha Lakes, internet access is provided to Councillors and is fully paid for by the municipality. Some communities such as Timmins have Councillors pay their own internet access. In the County of Simcoe, Councillors receive 50% of the cost of high speed internet access to a maximum of \$25.00. Installation costs have not been covered.

PART C **Other Matters Requiring a Motion (continued)****County Supplied Internet Access for Councillors (continued)**

As the County realizes a cost savings from the use of electronic agenda technology, it is appropriate that part of those savings be applied to the cost of internet access for Councillors to receive Council and Committee packages via the internet.

Through information gathered earlier in the eGenda project, there are a number of different technologies used at various Councillors' residences to gain access to the internet. It is for that reason, each individual Councillor will be provided with the appropriate technology to allow them access to the internet for County business on an individual basis. Some may require wireless high-speed connections; others may require an additional phone line be put in, while others may require cable modems. Additional equipment may also be necessary such as wireless routers. In most cases, the monthly charges will be less than \$50.00 per month per Councillor, and the equipment may range from \$0 to \$200.00 per installation, depending upon the technology required at each residence and what technology already exists there.

Recommendation

That Committee approves providing County paid internet access to each County Councillor's home.

2. **Geographic Information System Orthophotography Renewal****Background**

One of the areas that will need to be addressed in the coming year is the need to renew the orthophotography that was initially completed in 2003. Most organizations that acquire orthophotography plan to renew it on a regular basis. Urban areas tend to renew more frequently than rural areas with less development. For instance, London renews every year while the GTA does so every other year. Chatham-Kent is planning to renew its 2001 photos in 2006 while the Essex Region Conservation Authority (ERCA) shot photos in 2000 and 2004. Some ERCA municipalities (Windsor, Tecumseh, LaSalle) took high resolution images in 2002. Although renewal frequency varies dramatically by an organization depending upon its size and uses, two aspects are clear; orthophotography must be renewed at some point and the needs of rural versus urban differ.

PART C **Other Matters Requiring a Motion (continued)****Geographic Information System Orthophotography Renewal (continued)**

The main reason to renew orthophotography is to have a current snapshot of landscape to ensure accurate decisions can be made. Accurate decisions depend on geographical accuracy. Having new pictures makes it possible to compare changes over time, for example, municipal employees can monitor changes in buildings, woodlots, roads, and many other features. This could help with bylaw enforcement, planning, works, etc.

The frequency of renewal is not the only issue that needs to be considered. Some applications require more accurate pictures of landscape in order to make more informed decisions. This is particularly true in urban areas for planners. Increasing the accuracy of photography from 30 cm (our current accuracy) to 10 cm pixel size allows more detail to be seen. In general, an object needs to be at least 2.5 pixels across to be clearly visible on the photography. Thus the 2003 photography allows one to detect items 75 cm or more across, which means that they do not reliably display manholes. 10 cm photography makes smaller features visible and more clearly delineates areas. However the price is substantially more and must be considered when defining what areas will be flown at a higher resolution.

To overcome the invisibility of some features, the County used GPS units to collect the location of small features. Many of these features (such as water valves) may still be invisible on 10 cm photography. Although this technique helps, the GPS features are only available in the road allowances, whereas photography covers the entire area.

One common way to reduce costs of obtaining higher definition orthophotography is to mix the shooting of urban areas (or other areas of interest) at a higher resolution with lower resolution in rural areas. The premise for this is that rural areas typically do not change as frequently as urban, thus, does not have to be renewed as often. It is also possible to do areas of interest alone, as happened in Essex in 2002. Either option would cut costs. What needs to be defined by local municipalities is what areas would be considered “urban”.

Another method of cutting costs is by working with partners to split costs. Much of the cost of obtaining orthophotography is the cost of getting the airplane off the ground. Working with partners who are already scheduled to do a flight reduces costs by sharing in the cost of getting the plane off the ground. Cost sharing

PART C Other Matters Requiring a Motion (continued)

Geographic Information System Orthophotography Renewal (continued)

worked very well in the past utilizing members of the Lambton Mapping Group as was done in 2003. Potential partners could include:

- the Conservation Authorities, which are investigating taking high resolution photographs of the Lake Huron shore and are also mandated to improve their drainage models;
- local municipalities;
- First Nations (land and environmental issues around Kettle and Stony Point have resulted in several requests for higher resolution images);
- Chatham-Kent;
- the petrochemical industry, members of which regularly take high resolution photography of their sites.

In 2003, the province provided half of the funding; this is now less likely, but they might provide some funds, particularly for the lakeshore portion. The cost of the orthophotography in 2003 was roughly \$250,000 for 3,000 sq. km. The cost of renewal at the same resolution would be lower, since we would not have to re-create a DEM (Digital Elevation Model) as this is required only one per resolution.

In the spring of 2004, we got a very rough estimate of \$200-\$250 per square kilometer (or \$650,000 to \$800,000 for the entire County) for 10 cm pixel size. As it is not a huge benefit to have high resolution images of rural areas, it would be prudent to define urban areas that require more frequent renewal and 10 cm resolution to reduce costs. Based on some **very** general estimates on required area the following shows an approximate cost for doing some urban areas at 10 cm resolution and also shows for comparison, a revised 30 cm cost. An RFP process will be required to get a more accurate estimate.

Urban Guesstimates - Municipality	Town	Photo Area Estimate	\$250/sq km (10cm)	Photo Area (30 cm)	\$50/sq km (30 cm)
Brooke-Alvinston	Inwood	1.5	\$375	4	\$200
Brooke-Alvinston	Alvinston	3.5	875	4	200
Dawn-Euphemia	Florence	1	250	4	200
Dawn-Euphemia	Rutherford	1	250	4	200
Dawn-Euphemia	Shetland	1	250	4	200
Enniskillen	Oil City	1	250	4	200
Lambton Shores	Lakeshore communities	35	8,750	45	2,250

PART C Other Matters Requiring a Motion (continued)Geographic Information System Orthophotography Renewal (continued)

Urban Guesstimates - Municipality	Town	Photo Area Estimate	\$250/sq km (10cm)	Photo Area (30 cm)	\$50/sq km (30 cm)
Lambton Shores	Arkona	2.5	625	4	200
Lambton Shores	Forest	9	2,250	9	450
Lambton Shores	Grand Bend	5	1,250	6	300
Lambton Shores	Theford	3.5	875	4	200
Oil Springs	Oil Springs	9	2,250	9	450
Petrolia	Petrolia	18	4,500	20	1,000
Plympton- Wyoming	Camlachie	2	500	4	200
Plympton- Wyoming	Lakeshore communities	15	3,750	25	1,250
Plympton- Wyoming	Wyoming	6	1,500	6	300
Point Edward	Point Edward	3.5	875	4	200
Sarnia	Sarnia	180	45,000	180	9,000
St. Clair	Brigden	1.5	375	4	200
St. Clair	Corunna	7	1,750	8	400
St. Clair	Riverfront	50	12,500	60	3,000
St. Clair	Wilkesport	1	250	4	200
Warwick	Warwick	2.5	625	4	200
Warwick	Watford	3.5	875	4	200
Setup Charge			10,000		10,000
Totals		363	\$100,750	424	\$31,200
Whole County		3,100	\$775,000	3,500	\$175,000

In order to ensure the photography is kept current, a mechanism to renew the orthophotography is required. For those areas requiring a shorter renewal period, likely urban areas or areas of interest, every three years seems to be the norm. A renewal period of every six years for all other areas seems the norm. It is common to schedule regular orthophotography renewal and it is a technique used by most other organizations in Ontario to ensure accurate pictures while keeping costs respectable. Planning regular orthophotography renewal also makes budgeting easier.

There are a number of local entities currently looking at renewing orthophotography in 2006 including a group looking at shoreline photography in Lambton. Chatham-Kent is also flying in 2006 and may be interested in partnering with us. It would be most economical if the orthophotography was renewed at 10 cm resolution for urban areas at that time.

PART C **Other Matters Requiring a Motion (continued)****Geographic Information System Orthophotography Renewal (continued)****Summary**

In summary, a recommendation is required to define a renewal policy that will ensure that orthophotography remains accurate throughout Lambton County and that the appropriate resolution be flown for municipalities requiring higher resolution. In order to do this, a definition is required for urban versus rural. The Provincial Geomatics Services Centre Natural Resources Management Branch distinguishes urban versus rural a number of ways based on buildings per metre of road or buildings per hectare, however, utilizing these calculations may not accomplish what local municipalities desire. Staff recommends that individual municipalities define which areas they feel are urban and which areas they desire to be included in higher resolution orthophotography.

Funding for 10 cm resolution versus 30 cm resolution must also be determined. As there is some advantage to the County property getting 10 cm resolution, it is recommended that the County pay the cost every third year at the 30 cm rate which will help defer some of the cost of the 10 cm resolution. For those municipalities wishing to get higher resolution ortho, the local municipality will pay the difference. Also, the County will fund the flying of 30 cm resolution every six years, with the prospect of scheduling flyovers with other partners also wanting to renew at that time.

Municipalities that are deemed urban are not required to participate in obtaining higher resolution orthophotography if they do not need it and alternatively, if rural areas would like to participate in the purchase of higher resolution orthophotography, they may under the same costing formula.

Recommendation

That Committee approve renewal of orthophotography every three years for urban and every six years for rural and that funding be provided as described in the summary above; and further, that staff be directed to explore other funding options, whether they be through grants or through partnerships with other organizations.