



**BOARD OF DIRECTORS MEETING
WEDNESDAY, September 6th, 2017 @ 6:30PM
TILLSONBURG ADMINISTRATION OFFICE**

AGENDA

1. Welcome
2. Additional Agenda Items
3. Disclosures of Interest
4. Deputations:
 - a) Kim McEwan – Haldimand Campers’ Association
5. Minutes of the Previous Meeting:
 - a) Board of Directors’ Regular Meeting - August 2nd, 2017 Pg 1-6
 - b) Board of Directors’ Special Conference Call
– August 24th, 2017 Pg 7
6. Business Arising: none
7. Review of Committee Minutes:
 - a) Strategic Review Committee – March 2nd, 2017 Pg 8-10
8. Correspondence:
 - a) Premier Wynne re: Shoreline Property Assistance Act Pg 11
9. Development Applications: (L. Minshall)
 - a) Staff-approved applications Pg 12-19
 - b) New Applications Pg 20-24
10. New Business
 - a) General Manager’s Report (C. Evanitski) Pg 25
 - b) A.D. Latornell Conference (C. Evanitski) Pg 26-27
 - c) LPRCA Parks Update (P. Walther-Mabee) Pg 28-30
 - d) 2017 Budget Reallocation (L. Minshall) Pg 31-32
 - e) 2017 Capital Update (J. Maxwell) Pg 33-37
 - f) NDMP Report (L. Minshall) Pg 38-40
 - g) Sediment Management Report (L. Minshall) To follow

11. Adjournment

PLEASE CALL 519-842-4242 OR 1-888-231-5408 IF YOU CANNOT ATTEND



**LONG POINT REGION CONSERVATION AUTHORITY
BOARD OF DIRECTORS – MINUTES
August 2nd, 2017**

Members in attendance: Leroy Bartlett, Dave Beres, Doug Brunton, Robert Chambers, Michael Columbus, Roger Geysens, Craig Grice, Noel Haydt, David Hayes, John Scholten and Tom Southwick

Staff in attendance: C. Evanitski, J. Maxwell, L. Minshall, P. Walther-Mabee, J. Stefek and D. McLachlan

Regrets: none

The LPRCA Chair called the meeting to order at 6:30 pm Wednesday, August 2nd, 2017 in the Tillsonburg Administration Office Boardroom.

ADDITIONAL AGENDA ITEMS

MOTION A-179/17 moved: M. Columbus seconded: J. Scholten

THAT the LPRCA Board of Directors add a Property Matter and “Teeterville Dam Update” under Closed Session as item 11(c) and New Business as item 10 (E) respectively to the August 2nd, 2017 agenda.

CARRIED

DISCLOSURES OF INTEREST

None

R. Geysens joined the meeting.

DEPUTATIONS

None

MINUTES OF PREVIOUS MEETINGS

No questions or comments

MOTION A-180/17 moved: R. Geysens seconded: J. Scholten

THAT the minutes of the LPRCA Board of Directors Regular Meeting held July 5th, 2017 be adopted as circulated.

CARRIED

FULL AUTHORITY COMMITTEE MEMBERS

Leroy Bartlett, Dave Beres, Doug Brunton, Robert Chambers, Michael Columbus, Roger Geysens, Craig Grice, Noel Haydt, David Hayes, John Scholten, Tom Southwick

BUSINESS ARISING

a) Bill 139 – Building Better Communities and Conserving Watersheds Act, 2017

The GM noted that Bill 139 is an omnibus Bill that includes proposed changes to the Conservation Authorities Act. The Bill has passed first reading and the second and third readings are expected this fall. Discussion ensued.

MOTION A-181/17 moved: D. Brunton seconded: D. Hayes

THAT the LPRCA Board of Directors receives the Bill 139: Building Better Communities and Conserving Watersheds Report as information.

CARRIED

b) Waterford North Gatehouse

Staff reported that the current gatehouse at Waterford is located within the park away from the point of entry and creates the potential for lost revenue. Staff provided three options to correct the issue noting that the preferred option would be to locate the gate at the south end of the entry road and funneling vehicles through by narrowing the road entrance. Staff will research and review automated gates.

MOTION A-182/17 moved: D. Brunton seconded: D. Hayes

THAT the LPRCA Board of Directors accepts the Gatehouse report as information; AND THAT staff continues to explore options to be presented during the 2018 budget process.

CARRIED

REVIEW OF COMMITTEE MINUTES

No questions or comments.

MOTION A-183/17 moved: J. Scholten seconded: R. Geysens

THAT the minutes from the Backus Museum Committee meeting of May 25th, 2017 be received as information.

CARRIED

CORRESPONDENCE

Staff fielded questions from the Board.

FULL AUTHORITY COMMITTEE MEMBERS

Leroy Bartlett, Dave Beres, Doug Brunton, Robert Chambers, Michael Columbus, Roger Geysens, Craig Grice, Noel Haydt, David Hayes, John Scholten, Tom Southwick

MOTION A-184/17

moved: D. Hayes

seconded: D. Brunton

THAT the correspondence outlined in the Board of Director's Agenda of August 2nd, 2017 be received as information.

CARRIED

DEVELOPMENT APPLICATIONS

a) Staff Approved applications

Staff approved 34 applications since the last meeting: LPRCA-14/17, LPRCA-126/17, LPRCA-130/17, LPRCA-132/17, LPRCA-133/17, LPRCA-137/17, LPRCA-141/17, LPRCA-134/17, LPRCA-135/17, LPRCA-142/17, LPRCA-145/17, LPRCA-146/17, LPRCA-148/17, LPRCA-149/17, LPRCA-151/17, LPRCA-152/17, LPRCA-153/17, LPRCA-154/17, LPRCA-155/17, LPRCA-156/17, LPRCA-157/17, LPRCA-158/17, LPRCA-159/17, LPRCA-160/17, LPRCA-161/17, LPRCA-162/17, LPRCA-163/17, LPRCA-164/17, LPRCA-167/17, LPRCA-168/17, LPRCA-169/17, LPRCA-171/17, LPRCA-177/17 and LPRCA-181/17.

No questions or comments.

MOTION A-185/17

moved: R. Geysens

seconded: J. Scholten

That the LPRCA Board of Directors receives the Staff Approved Section 28 Regulation Applications report dated July, 2017 as information.

CARRIED

b) New applications

The Planning Department recommended approval for seven applications. Brian Duxbury, attorney for neighbouring landowners, spoke against recommending approval for applications LPRCA-85/17 and LPRCA-150/17 on Hastings Drive, Long Point. Mr. Duxbury listed a number of reasons for his request including:

- recent changes to the law derived from a recent court challenge;
- conservation authority decisions must be consistent with the Provincial Policy Statement;
- the structures addressed in the applications are over the size limit as per the Building Code;
- zoning on Hastings Drive is currently under appeal to the Ontario Municipal Board;
- the Norfolk County Official Plan states "No new development permitted on Hastings Drive;"
- the species at risk and the provincially significant wetland in the area; and
- public safety and perception.

FULL AUTHORITY COMMITTEE MEMBERS

Leroy Bartlett, Dave Beres, Doug Brunton, Robert Chambers, Michael Columbus, Roger Geysens, Craig Grice, Noel Haydt, David Hayes, John Scholten, Tom Southwick

Mr. Duxbury fielded questions from the Board.

No further questions were directed to staff.

MOTION A-186/17 moved: M. Columbus seconded: D. Hayes

THAT the LPRCA Board of Directors receives the deputation by Brian Duxbury as information.

CARRIED

MOTION A-187/17 moved: D. Hayes seconded: D. Beres

THAT the LPRCA Board of Directors approves the following Development Applications contained within the background section of the report:

- A. For Work under Section 28 Regulations, Development, Interference with Wetlands & Alterations to Shorelines and Watercourses Regulations (R.R.O. 1990 Reg. 178/06),

LPRCA-85/17
LPRCA-147/17
LPRCA-182/17

LPRCA-90/17
LPRCA-150/17

LPRCA-107/17
LPRCA-179/17

- B. That the designated officers of LPRCA be authorized to complete the approval process for this Development Application, as far as it relates to LPRCA's mandate and related Regulations.

CARRIED

NEW BUSINESS

a) GENERAL MANAGER'S REPORT

No questions or comments.

MOTION A-188/17 moved: R. Geysens seconded: J. Scholten

THAT the LPRCA Board of Directors receives the General Manager's Report for July 2017 as information.

CARRIED

b) LPRCA MARKETING UPDATE

Jarah Stefek introduced herself and provided information on her background and qualifications. Ms. Stefek presented the requirements for a website redesign and the

FULL AUTHORITY COMMITTEE MEMBERS

Leroy Bartlett, Dave Beres, Doug Brunton, Robert Chambers, Michael Columbus,
Roger Geysens, Craig Grice, Noel Haydt, David Hayes, John Scholten, Tom Southwick

outcome of a recent RFQ. Staff withdrew the recommendation for the website and requested that it be deferred until 2018 budget discussion. The Low Impact Development signage will be ready for installation the week of August 21st. Social media statistics were provided and upcoming projects detailed. Discussion ensued.

MOTION A-189/17 moved: D. Beres seconded: D. Brunton

THAT the LPRCA Board of Directors receives the Marketing Update as information.

CARRIED

c) HALDIMAND HYDRO UPDATE

Staff provided an update on the status of the 2017 Haldimand Hydro Capital project. The work completed was inspected and passed, but other issues have since arisen. To maintain compliance some trailers had to be moved and trees cut and some of the poles within the park will have to be replaced. Staff is meeting with the Hydro Safety Authority to help in producing a plan of action. A budget reallocation was requested.

MOTION A-190/17 moved: J. Scholten seconded: R. Geysens

THAT the LPRCA Board of Directors reallocates up to \$13,200 from the 2017 Capital Budget Waterford North CA Hydro Upgrade to the Haldimand CA for the necessary repairs to the hydro, water and septic systems.

CARRIED

d) 2nd QUARTER FINANCIALS

Staff reported a negative variance in seasonal revenues in comparison to the 2017 budget. The number of seasonal campers is down 41 sites from last year but the revenue is higher. Some expenses are currently tracking under at the parks.

Upon questions from the Board, staff indicated that the trail revitalization project at Backus is underway and will include accessibility access to some areas, bridge replacement to Backus Woods trails, stair replacement, widening of the Cottonwood trail and some interpretive signage placement. The project is expected to be completed by year-end. Staff plans to apply for funding to complete a phase 2. Further details were provided for the various capital projects including the upcoming Request for Proposals for the Sediment Management Plan at Teeterville Dam.

MOTION A-191/17 moved: T. Southwick seconded: D. Beres

THAT the LPRCA Board of Directors receives the Budget Performance Report as at June 30th, 2017 as information.

CARRIED

FULL AUTHORITY COMMITTEE MEMBERS

Leroy Bartlett, Dave Beres, Doug Brunton, Robert Chambers, Michael Columbus, Roger Geysens, Craig Grice, Noel Haydt, David Hayes, John Scholten, Tom Southwick

e) TEETERVILLE DAM

The Legion has been notified that, as per the Board's decision, the stoplogs will remain as is - no logs will be added or removed. The GM offered to again speak with the Legion membership about the issues.

An abutting landowner had requested information as to how to irrigate at Teeterville. Information was forwarded by the GM.

MOTION A-192/17 moved: T. Southwick seconded: D. Beres

That the LPRCA Board of Directors does now enter into a closed session to discuss:

- personal matters about an identifiable individual, including Conservation Authority employees*
- a proposed or pending acquisition or disposition of land by the Conservation Authority*

CARRIED

MOTION A-193/17 moved: R. Geysens seconded: J. Scholten

That the LPRCA Board of Directors does now adjourn from the closed session.

CARRIED

MOTION A-194/17 moved: R. Geysens seconded: D. Beres

THAT the LPRCA Board of Directors approves the contract extension for Jarah Stefek as LPRCA's Marketing Coordinator to December 31st, 2018, as per the GM's verbal closed session report.

CARRIED

MOTION A-195/17 moved: D. Hayes seconded: J. Scholten

*THAT the LPRCA Board of Directors receives the GM's closed session report regarding a property matter as information;
AND THAT the matter be referred to the Strategic Plan Review Committee.*

CARRIED

The Chair adjourned the meeting at 8:30pm.

Noel Haydt
Chair

Dana McLachlan
Administrative Assistant

FULL AUTHORITY COMMITTEE MEMBERS

Leroy Bartlett, Dave Beres, Doug Brunton, Robert Chambers, Michael Columbus,
Roger Geysens, Craig Grice, Noel Haydt, David Hayes, John Scholten, Tom Southwick

**LONG POINT REGION CONSERVATION AUTHORITY
BOARD OF DIRECTORS – Special Conference Call
August 24th, 2017 – 9am**

Members emailed: D. Beres, D. Brunton, M. Columbus, R. Geysens, N. Haydt and J. Scholten.

Regrets: L. Bartlett, R. Chambers, C. Grice, D. Hayes, T. Southwick.

Staff emailed: C. Evanitski and J. Maxwell.

The Chair called the meeting to order at 9:04am. The GM was called upon to discuss the purpose of the call, noting that the Lee Brown Marsh Management Committee is an advisory committee, and as such, any recommendations from them need to be ratified by the Board of Directors of the Long Point Region Conservation Authority. The Lee Brown Committee had approved minutes the day before recommending a capital budget reallocation that would result in the deferral of sheet piling works at the boathouse in favour of a purchase of a new second-hand vehicle for the Marsh Manager. Discussion ensued regarding the vehicle type, source of funding and the need to immediately address the situation. The Manager of Corporate Services noted the funds would come from the Lee Brown Capital Reserve.

MOTION A-196/17

moved: D. Beres

seconded: J. Scholten

That the LPRCA Board of Directors approves the Lee Brown Marsh Management Committee minutes of August 10th, 2017 including the recommendations contained therein.

CARRIED

A recorded vote was called with all six participants responding in the affirmative.

The Chair adjourned the meeting at 9:13am.

Noel Haydt
Chair

Cliff Evanitski
General Manager

FULL AUTHORITY COMMITTEE MEMBERS

Leroy Bartlett, Dave Beres, Robert Chambers, Betty Chanyi, Michael Columbus
Roger Geysens, Craig Grice, Ed Ketchabaw, Ron Sackrider, Dennis Travale

LONG POINT REGION CONSERVATION AUTHORITY STRATEGIC PLAN REVIEW COMMITTEE - MINUTES

March, 2nd, 2017

Members in attendance: D. Beres, M. Columbus (past Chair), R. Geysens and N. Haydt (Chair).

Staff in attendance: C. Evanitski and D. Holmes.

Regrets: J. Scholten

Chair Haydt called the meeting to order at 10:12am.

ADDITIONAL AGENDA ITEMS

None

DECLARATION OF PECUNIARY INTEREST

None recorded.

MINUTES

SRC-1/17 Moved by R. Geysens, seconded by M. Columbus and carried that the Strategic Plan Review Committee approves the minutes of its meeting held October 4th, 2016.

BUSINESS ARISING

1) Forestry and Capital Update

Staff was asked for an update of capital projects. D. Holmes reviewed 2016 first, noting that BHCA's hydro upgrades had been completed with savings realized because the work was done at the end of the season when in-house staff could be freed up to do some of the work. D. Holmes added that those funds would be carried over to 2017 to expand hydro works.

The Field Superintendent said underground piping had been replaced to upgrade water systems in the Historical Village, as well as, the Education Centre. He added that there are now four water systems at BHCA which should help if any falter. The Chair asked if a water system was needed in the Village. D. Holmes said it would be a good idea for various reasons (Education programs, Aunt Erie's Kitchen). M. Columbus asked if D. Holmes would leave a list outlining the current status of projects behind for his successor; he stated that he would. It was noted by staff that mold resistant paint needs to be used in the new water treatment station.

D. Holmes added further that 100 feet of off-shore pipe needs to be replaced at the Norfolk Conservation Area at an approximate cost of \$5,000.00. As well, at Waterford North CA, D. Holmes has contacted Hydro One because he stated that the infrastructure in the park belongs to the utility and is in need of upgrades. He added that it took him a while to get a sense of the infrastructure needed and that he hoped to have that tender out before he retired.

D. Holmes moved onto the 2017 capital projects, noting that the last 14 campsites on the other side of the transformer were being upgraded. The Chair asked if all projects could be tendered together. D. Holmes responded that such a tender would limit competition. D. Holmes stated that the comfort station at Waterford North CA is very vintage with lots of maintenance problems in 2016. He said he expected staff to be able to do this project in-house. As for purchasing canoes, D. Holmes said he was waiting for the spring specials.

Discussion ensued re: threats to forestry operations. D. Holmes talked about the importance of timing windows for forestry operations. He brought forward a couple of prescriptions and said he has marked a couple of other bushes. He informed the Committee that 5 to 7 bushes need to be done this year to meet revenue targets. D. Holmes discussed research projects that are taking place with various universities and colleges. He further provided a history of the LPRCA Forestry Program and the Cook Contract (Waterford North CA).

SCR-2/17 Moved by D. Beres, seconded by M. Columbus and carried that the Strategic Plan Review Committee receives the verbal report regarding forestry and capital operations as information.

NEW BUSINESS

1) Personnel and Procedures Policy

The GM reviewed the updates.

*SCR-3/17 Moved by M. Columbus, seconded by D. Beres and carried that the Strategic Review Committee approves the updated changes to the LPRCA Personnel Policy/Administrative Policies:
AND THAT said recommendation be recommended to the Board for approval.*

2) LPRCA Reserves – Replenishment Strategy Update

The GM spoke to the matter.

SCR-4/17 Moved by R. Geysens, seconded by M. Columbus and carried that the Strategic Review Committee receives the Reserve Replenishment Update as information.

3) SWOT Analysis Follow-up

The Committee deferred the discussion.

CLOSED SESSION

The GM excused himself so that members could review his 2016 appraisal.

ADJOURNMENT

The meeting was adjourned at 1:45pm.

The next meeting is at the call of the Chair.

Noel Haydt
Strategic Plan Review Committee Chair

Cliff Evanitski
General Manager

The Premier of Ontario

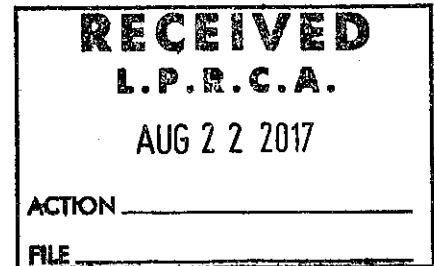
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Toronto, Ontario M7A 1A1



La première ministre de l'Ontario

Édifice de l'Assemblée législative, Queen's Park
Toronto (Ontario) M7A 1A1

August 14, 2017



Mr. Noel Haydt
Chair
Long Point Region Conservation Authority
4 Elm Street
Tillsonburg, Ontario
N4G 0C4

Dear Mr. Haydt:

Thank you for your letter providing me with a copy of the authority's motion requesting review of the Shoreline Property Assistance Act. I appreciate your keeping me informed of the conservation authority's activities.

This issue falls under the jurisdiction of my colleague the Honourable Kathryn McGarry, Minister of Natural Resources and Forestry, and I note that you have sent the information to her attention. I trust that the minister will also take the views into consideration.

Once again, thank you for the information. Please accept my best wishes.

Sincerely,

A handwritten signature in cursive script that reads 'Kathleen Wynne'.

Kathleen Wynne
Premier

c: The Honourable Kathryn McGarry



LONG POINT REGION CONSERVATION AUTHORITY STAFF REPORT

Date: August 28th, 2017

File: 3.3.1

To: Chair and Members,
LPRCA Board of Directors

From: General Manager, LPRCA

Re: Section 28 Regulation – Staff Approved Applications
Development, Interference with Wetlands & Alterations to Shorelines and
Watercourses Regulations (R.R.O. 1990 Reg. 178/06)

RECOMMENDATION

THAT the LPRCA Board of Directors receives the Staff Approved Section 28 Regulation Applications report as information.

STRATEGIC PLAN

Goal #1 - To develop and maintain programs that will protect life and property from natural hazards such as flooding and erosion.

BACKGROUND

Application# LPRCA-124/17

Plan 251, Lot 88, 227 Hastings Drive, Norfolk – South Walsingham

- The proposed work - shoreline protection repair- to fix tie backs and replace rip rap behind the sheet pile structure with a concrete cap and install access stairs;
- This proposal is not in accordance with the currently approved Shoreline Management Plan. However, as per the July 5, 2017 Board Resolution #A-173/17, the emergency repair of existing shoreline protection and the extension of shoreline protection to fill gaps between protected lots are supported.

Application# LPRCA-166/17

Con 1, Lot 21, 1998 Lakeshore Road, Haldimand - Rainham

- The proposed work - construct a 14.5m² covered deck, a 22.3m² non-habitable accessory building and interior renovations to the existing dwelling;
- A satisfactory site plan and construction details were submitted;
- There is no opportunity for conversion into habitable space;
- No new or additional dwelling units are created;
- The application is within the Lake Erie shoreline flooding hazard and the control of flooding should not be affected;
- The application is within the Lake Erie shoreline erosion hazard and the control of erosion should not be affected.

Application# LPRCA-170/17

Plan 251, Lot 85-86, 221 & 223 Hastings Drive, Norfolk – South Walsingham

- The proposed work - shoreline protection repair- place posts and rubble to fill in gaps between protected lots;
- This proposal is not in accordance with the currently approved Shoreline Management Plan. However, as per the July 5, 2017 Board Resolution #A-173/17, the emergency repair of existing shoreline protection and the extension of shoreline protection to fill gaps between protected lots are supported.

Application# LPRCA-172/17

Concession 1, Part Lot 11, 10 Auld Lane, Haldimand-Rainham

- The proposed work – to raise the existing seasonal dwelling on concrete columns;
- A satisfactory site layout and design plans were submitted in support of this application;
- The application is within the Lake Erie shoreline flood hazard and this proposal will not negatively affect flooding.

Application# LPRCA- 173/17

Plan 251, Lot 58, 165 Hastings Drive, Norfolk – South Walsingham

- The proposed work – to remove concrete rubble and replace with granite boulders and replace the timber posts;
- This proposal is not in accordance with the currently approved Shoreline Management Plan. However, as per the July 5, 2017 Board Resolution #A-173/17, the emergency repair of existing shoreline protection and the extension of shoreline protection to fill the gaps between protected lots are supported.

Application# LPRCA-176/17

Plan 82B, Lot 6, 262 Queen Street, Norfolk - Charlotteville

- The proposed work - construct a single-family dwelling and the associated services approximately 30 metres from a wetland;
- A satisfactory site plan and construction details were submitted;
- The application is within the regulated area adjacent to a wetland. The hydrologic function of the wetland should not be negatively impacted by this development.

Application# LPRCA-180/17

Concession 1, Part Lot 19, 1877 Lakeshore Road, Haldimand - Rainham

- The proposed work - to raise an existing seasonal residence and install a new foundation with a full basement;
- The proposed structure is located above and set back from the Lake Erie shoreline Flooding Hazard;
- The structure is no closer to the lake;
- The application is in accordance with the Long Point Region Shoreline Management Plan;
- The application is within the Lake Erie shoreline flooding hazard allowance and this proposal will not negatively affect the control of flooding.

Application# LPRCA-184/17

Plan 251, Lot 93, 237 Hastings Drive, Norfolk – South Walsingham

- The proposed work - shoreline protection repair- to reposition fallen concrete with filter cloth installed and concrete cap, re-establish access stairs, replace the timber posts and construct access stairs to property;
- This proposal is not in accordance with the currently approved Shoreline Management Plan. However, as per the July 5, 2017 Board Resolution #A-173/17, the emergency repair of existing shoreline protection and the extension of shoreline protection to fill gaps between protected lots are supported.

Application# LPRCA-185/17

Plan 252, Lot 22, 23 Woodstock Ave., Norfolk – South Walsingham

- The proposed work - shoreline protection repair- to reposition concrete block structure to original dimensions and replace concrete block only where required;
- This proposal is not in accordance with the currently approved Shoreline Management Plan. However, as per the July 5, 2017 Board Resolution #A-173/17, the emergency repair of existing shoreline protection and the extension of shoreline protection to fill gaps between protected lots are supported.

Application# LPRCA-187/17

Plan 251, Lot 76-77, 203 & 205 Hastings Drive., Norfolk – South Walsingham

- The proposed work - shoreline protection repair- place posts and rubble to fill in gaps between protected lots;
- This proposal is not in accordance with the currently approved Shoreline Management Plan. However, as per the July 5, 2017 Board Resolution #A-173/17, the emergency repair of existing shoreline protection and the extension of shoreline protection to fill gaps between protected lots are supported.

Application# LPRCA-189/17

Con 1, Lot 14, 612 South Coast Drive, Haldimand - Walpole

- The proposed work - construct a 26.7m² non-habitable accessory building;
- A satisfactory site plan and construction details were submitted;
- The development is set back 22 metres from the shoreline protection structure and is no closer to the lake than the existing development;
- The application is within the Lake Erie shoreline flooding hazard and the proposal should not negatively affect the control of flooding;
- The application is within the Lake Erie shoreline erosion hazard allowance and this proposal should not negatively affect the control of erosion.

Application# LPRCA-190/17

Concession 9, Lot 11, 52 River Oaks Drive, Oxford - Norwich

- The proposed work - to construct an in-ground pool, pool shed and decking approximately 60m from a wetland;
- The application is within the regulated area adjacent to a wetland. The hydrologic function of the wetland will not be negatively impacted by this development.

Application# LPRCA-191/17

Concession 6, Part Lots 111-114, 54117 Heritage Line, Elgin - Bayham

- The proposed work - to construct gully erosion control protection undertaken by the LPRCA Lands & Waters Supervisor;
- A clay berm and catch basin structure will be constructed ;
- The application is within the riverine valley system of the Big Otter Creek and will not negatively affect the slope stability.

Application# LPRCA-192/17

Concession 7, Lot 19, 1412 Charlotteville East Quarter Line, Norfolk - Charlotteville

- The proposed work - to construct a 223 m² detached garage approximately 50 metres from a wetland;
- The application is within the regulated area adjacent to a wetland. The hydrologic function of the wetland will not be negatively impacted by this development.

Application# LPRCA-193/17

Plan 292, Lot 15, 88 Otterview Drive, Oxford - Norwich

- The proposed work - to construct a single-family residence and detached garage approximately 100m from a wetland;
- The application is within the regulated area adjacent to a wetland. The hydrologic function of the wetland will not be negatively impacted by this development.

Application# LPRCA-194/17

Plan 436, Lot 619, 100 Old Cut Blvd., Norfolk – South Walsingham

- The proposed work - to remove an existing storage building, dig a boatwell, install a sheet pile shoreline structure, and construct a new single-storey boathouse/garage.
- There is no feasible alternative site outside the Lake Erie Shoreline Flooding Hazard;
- There is no opportunity for conversion into habitable space in the future;
- The application is within the Lake Erie shoreline flooding hazard and this proposal will not negatively affect the control of flooding.

Application# LPRCA-197/17

Concession 3, Part Lot 2, 1785 Norfolk County Road 19 West, Norfolk – Windham

- The proposed work - to construct a 157 m² detached garage approximately 40m from a wetland;
- The application is within the regulated area adjacent to a wetland. The hydrologic function of the wetland will not be negatively impacted by this development.

Application# LPRCA-200/17

Plan 251, Lot 59, 167 Hastings Drive, Norfolk – South Walsingham

- The proposed work - to remove concrete rubble and replace with granite boulders and replace the timber posts;
- This proposal is not in accordance with the currently approved Shoreline Management Plan. However, as per the July 5, 2017 Board Resolution #A-173/17, the emergency repair of existing shoreline protection and the extension of shoreline protection to fill gaps between protected lots are supported.

Application# LPRCA-201/17

Plan 128, Lot 21, 170 Cedar Drive, Norfolk - Charlotteville

- The proposed work - demolish and construct a 47.5m² single-storey non-habitable accessory building;
- A satisfactory site plan and construction details were submitted;
- There is no feasible alternative site outside of the Lake Erie Shoreline Flooding Hazard;
- There is no opportunity for conversion into habitable space;
- The application is within the Lake Erie shoreline flooding hazard and this proposal should not negatively affect flood flows.

Application# LPRCA-204/17

Con 12, Lot 8, 50 Newell Road, Oxford - Tillsonburg

- The proposed work - place material to repair slope erosion and re-establish slope vegetation;
- A satisfactory site plan and construction methodology were submitted;
- The application is within the riverine hazard and should not negatively affect the slope stability.

Application# LPRCA-205/17

Concession 4, Part Lot 13, 972 Norfolk County Road 19W, Norfolk – Windham

- The proposed work - to construct two broiler barns approximately 80 metres from a wetland;
- No additional fill material is proposed or no major site grading is required;
- The application is within the regulated area adjacent to a wetland. The hydrologic function of the wetland will not be negatively impacted by this development.

Application# LPRCA-206/17

Plan 54, Lot 13 & 14, 14 Walnut Street, Elgin - Bayham

- The proposed work - construct a 64.6m² non-habitable accessory building;
- A satisfactory site plan and construction details were submitted;
- The building is located within the flood fringe of Big Otter Creek;
- The structure is floodproofed using an unexcavated foundation;
- The application is within the riverine flooding hazard of Big Otter Creek and it should not negatively affect flood flows.

Application# LPRCA-207/17

Plan 41M-297, Lot 4, 17 VanParys, Oxford - Norwich

- The proposed work - to construct a 260 m² single-family dwelling and a 120 m² detached single-storey garage approximately 30 metres from a wetland;
- The residential lot is part of a previously approved subdivision;
- The application is within the regulated area adjacent to a wetland. The hydrologic function of the wetland will not be negatively impacted by this development.

Application# LPRCA-208/17

Concession 1, Part Lot 9, 825 Lakeshore Road, Haldimand – Rainham

- The proposed work – to raise the existing seasonal dwelling on concrete columns;
- A satisfactory site layout and design plans were submitted in support of this application;
- The application is within the Lake Erie shoreline flood hazard and this proposal will not negatively affect flooding.

Application# LPRCA-209/17

Plan 7483, Lot 65, 5 Swallow Lane, Haldimand - Rainham

- The proposed work - install a septic system;
- A satisfactory site plan was submitted;
- The application is within the Lake Erie shoreline flooding hazard allowance and this proposal should not negatively affect the control of flooding.

Application# LPRCA-214/17

Plan 436, Lot 462, 14 Old Cut Blvd., Norfolk – South Walsingham

- The proposed work – to construct a 15m² addition onto the existing seasonal dwelling and a 45m² screened porch addition to the existing seasonal dwelling approximately 17 metres from a wetland;
- The habitable portion of the addition is no closer to the lake than the existing structure;
- No new dwelling unit will be created and the proposed habitable floor space is the same as the existing floor elevation;
- The application is within the regulated area adjacent to a wetland. The hydrologic function of the wetland will not be negatively impacted by this development;
- The application is within the regulated flood hazard associated with Lake Erie and the control of flooding should not be affected by the proposed development.

Application# LPRCA-215/17

Plan 436, Lots 354 & 355, 40 Beach Ave., Norfolk – South Walsingham

- The proposed work – to demolish and construct a 17.8 m² non-habitable accessory building approximately 80 metres from a wetland;
- A satisfactory site plan and construction details were submitted;
- There is no opportunity for conversion into habitable space;
- The application is within the regulated flood hazard associated with Lake Erie and the control of flooding should not be affected by the proposed development;
- The application is within the regulated area adjacent to a wetland. The hydrologic function of the wetland will not be negatively impacted by this development.

Application# LPRCA-220/17

Concession 5, Part Lot 2, St. John's Road, Norfolk - Charlottesville

- The proposed work – to construct an approximate 204m² single-residential dwelling, attached garage and septic system approximately 30 metres from a wetland;
- The application is within the regulated area adjacent to a wetland. The hydrologic function of the wetland will not be negatively impacted by this development.

BUDGET IMPLICATION

N/A

Prepared by:



Bonnie Bravener
Resource Technician

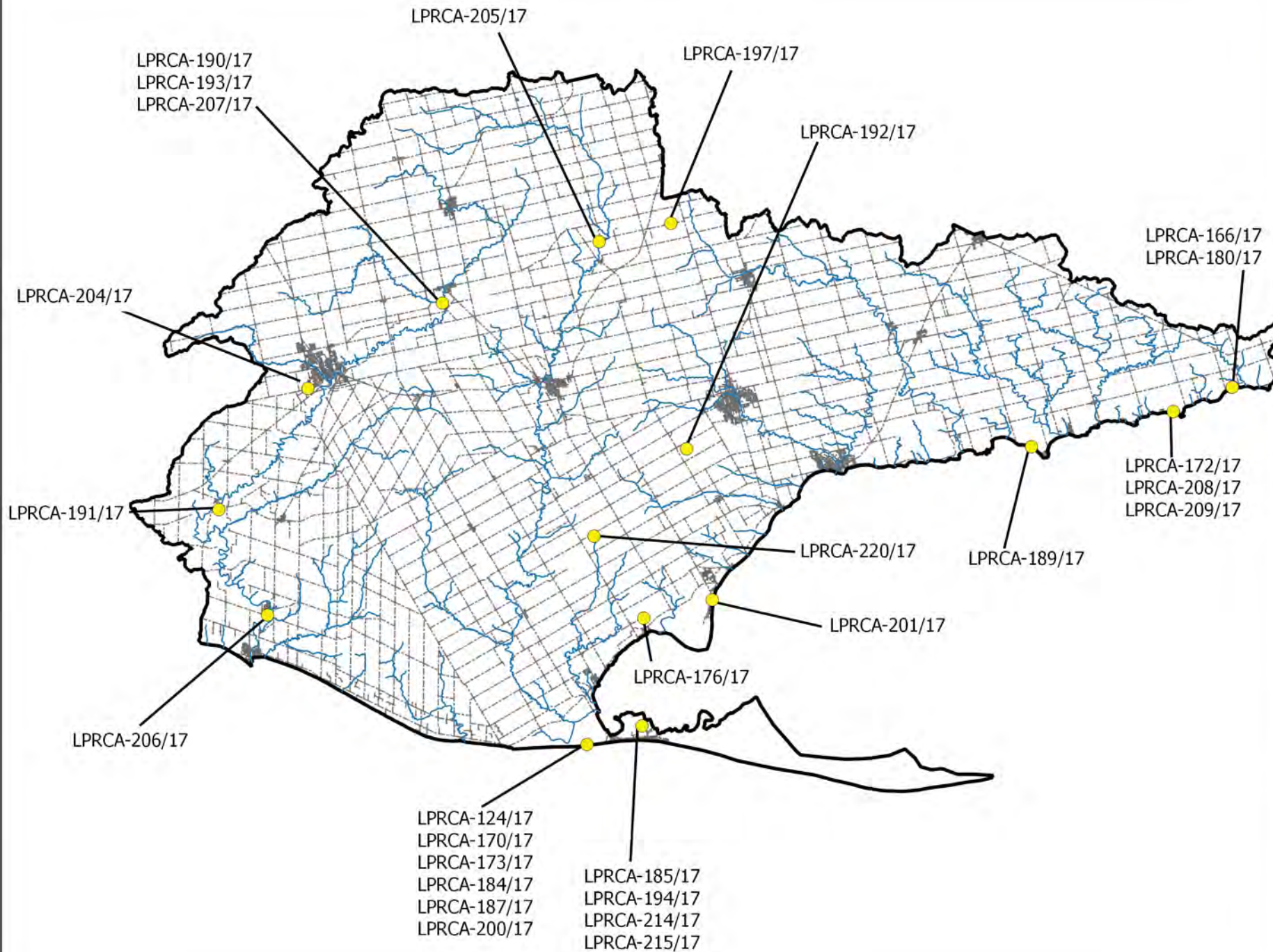
Approved and submitted by:



Cliff Evanitski
General Manager



SUMMARY MAP APPROVED APPLICATIONS



The Long Point Region Conservation Authority (LPRCA) assumes no responsibility for the correctness of the information contained in this map nor liability to any user of such information, regardless of the purpose. (2017)



LONG POINT REGION CONSERVATION AUTHORITY STAFF REPORT

Date: September 6th, 2017

File: 3.3.1

To: Chair and Members,
LPRCA Board of Directors

From: General Manager, LPRCA

Re: Section 28 Regulation Approval
Development, Interference with Wetlands & Alterations to Shorelines and
Watercourses Regulations (R.R.O. 1990 Reg. 178/06)

RECOMMENDATION

THAT the LPRCA Board of Directors approves the following Development Applications contained within the background section of this report:

A. For Work under Section 28 Regulations, Development, Interference with Wetlands & Alterations to Shorelines and Watercourses Regulations (R.R.O. 1990 Reg. 178/06),

LPRCA-174/17	LPRCA-216/17
LPRCA-183/17	LPRCA-217/17
LPRCA-188/17	LPRCA-218/17
LPRCA-202/17	LPRCA-219/17
LPRCA-203/17	

B. That the designated officers of LPRCA be authorized to complete the approval process for this Development Application, as far as it relates to LPRCA's mandate and related Regulations.

STRATEGIC PLAN

Goal #1 - To develop and maintain programs that will protect life and property from natural hazards such as flooding and erosion.

BACKGROUND

Application# LPRCA-174/17

Plan 120, Lot 10, 14 Kiwanis Avenue, Norfolk – Port Dover

- The proposed work – to repair the existing foundation, renovate the existing cottage, remove the existing rear deck and reconstruct a 45m² deck (partially covered) and a front porch;
- A satisfactory geotechnical report has been submitted in support of this application;
- A satisfactory site layout and building design plans were submitted;
- The replacement structure is no closer to the lake than the former structure;

- The application is within the Lake Erie erosion hazard allowance and the control of erosion should not be affected by the development and will not negatively affect the slope stability.

Application# LPRCA-183/17

Concession 14, Part Lot 1 & 2, 2nd Ave West & Upper Wellington, Norfolk - Simcoe

- The proposed work – road reconstruction, replace/upgrade municipal services and replace storm sewer outfall;
- A satisfactory engineers report and design were submitted in support of this application;
- The application is within the Patterson Creek/Davis Creek riverine hazard and the control of flooding and erosion should not be affected by the development.

Application# LPRCA-188/17

Concession 1, Part Lot 11, Robinson Street, Elgin – Port Burwell

- The proposed work – upgrade municipal road and construct a stormwater management bio swale;
- A satisfactory engineers report and design were submitted in support of this application;
- The application is within the Lake Erie flood hazard and the control of flooding should not be affected by the development.

Application# LPRCA-202/17

Plan 133, Lot 94, 195 Ordnance Avenue, Norfolk - Charlotteville

- The proposed work – to move and reconstruct a 231m² seasonal residence and septic system approximately 28m from a wetland;
- The proposed structure is flood proofed and a satisfactory engineered foundation design was submitted in support of this application;
- A satisfactory site layout and building design plans were submitted;
- The redeveloped structure is no closer to the lake than the former structure;
- As per the July 5, 2017 Board Resolution# A -178/17, the requirement for safe access is deemed to be satisfied by the Norfolk County Safety Strategy for Long Point and Turkey Point;
- The application is within the regulated area adjacent to a wetland. The hydrologic function of the wetland will not be negatively affected;
- The application is within the Lake Erie flood hazard and the control of flooding should not be affected by the development.

Application# LPRCA-203/17

Plan 133, Lot 96, 199 Ordnance Avenue, Norfolk - Charlotteville

- The proposed work – to demolish and place 140m² seasonal residence with a 11.7m² addition and septic system approximately 30m from a wetland;
- The proposed structure is flood proofed and a satisfactory engineered foundation design was submitted in support of this application;
- A satisfactory site layout and building design plans were submitted;
- The redeveloped structure is no closer to the lake than the former structure;
- As per the July 5, 2017 Board Resolution# A -178/17, the requirement for safe access is deemed to be satisfied by the Norfolk County Safety Strategy for Long Point and Turkey Point;

- The application is within the regulated area adjacent to a wetland. The hydrologic function of the wetland will not be negatively affected;
- The application is within the Lake Erie flood hazard and the control of flooding should not be affected by the development.

Application# LPRCA-216/17

Plan 28B, Lot 9, 20 Old Mill Road, Norfolk – Houghton

- The proposed – to construct a 15-metre armour stone shoreline revetment to fill the gap between two existing shoreline protection structures;
- A satisfactory coastal engineer’s report and design were submitted in support of this application;
- The application is within the Lake Erie erosion hazard and the control of erosion should not be affected by the development.

CONDITION:

- An inspection of the completed shoreline protection structure by the design engineer with a letter report stating all work was completed as per the submitted design.

Application# LPRCA-217/17

Plan 28B, Lot 7, 21 Old Mill Road, Norfolk – Houghton

- The proposed – to construct a 15 metre armour stone shoreline revetment to fill the gap between two existing shoreline protection structures;
- A satisfactory coastal engineers report and design were submitted in support of this application;
- The application is within the Lake Erie erosion hazard and the control of erosion should not be affected by the development.

CONDITION:

- An inspection of the completed shoreline protection structure by the design engineer with a letter report stating all work was completed as per the submitted design.

Application# LPRCA-218/17

Concession SLR, Lot 18, Road Allowance Old Mill Road, Norfolk – Houghton

- The proposed – to construct a 15-metre armour stone shoreline revetment to fill the gap between two existing shoreline protection structures;
- A satisfactory coastal engineers report and design were submitted in support of this application;
- The application is within the Lake Erie erosion hazard and the control of erosion should not be affected by the development.

CONDITION:

- An inspection of the completed shoreline protection structure by the design engineer with a letter report stating all work was completed as per the submitted design.

Application# LPRCA-219/17

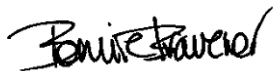
Plan 135, Lot F, 29 Cedar Drive, Norfolk – Charlottesville

- The proposed work – to demolish and construct a 160m² seasonal residence which includes a 36.3m² addition, attached garage and septic system;
- The proposed structure is flood proofed and a satisfactory design was submitted in support of this application;
- A satisfactory site layout and building design plans were submitted;
- The redeveloped structure is no closer to the lake than the former structure;
- The application is within the Lake Erie flood hazard and the control of flooding should not be affected by the development.

BUDGET IMPLICATION

N/A

Prepared by:



Bonnie Bravener
Resource Technician

Approved and submitted by:



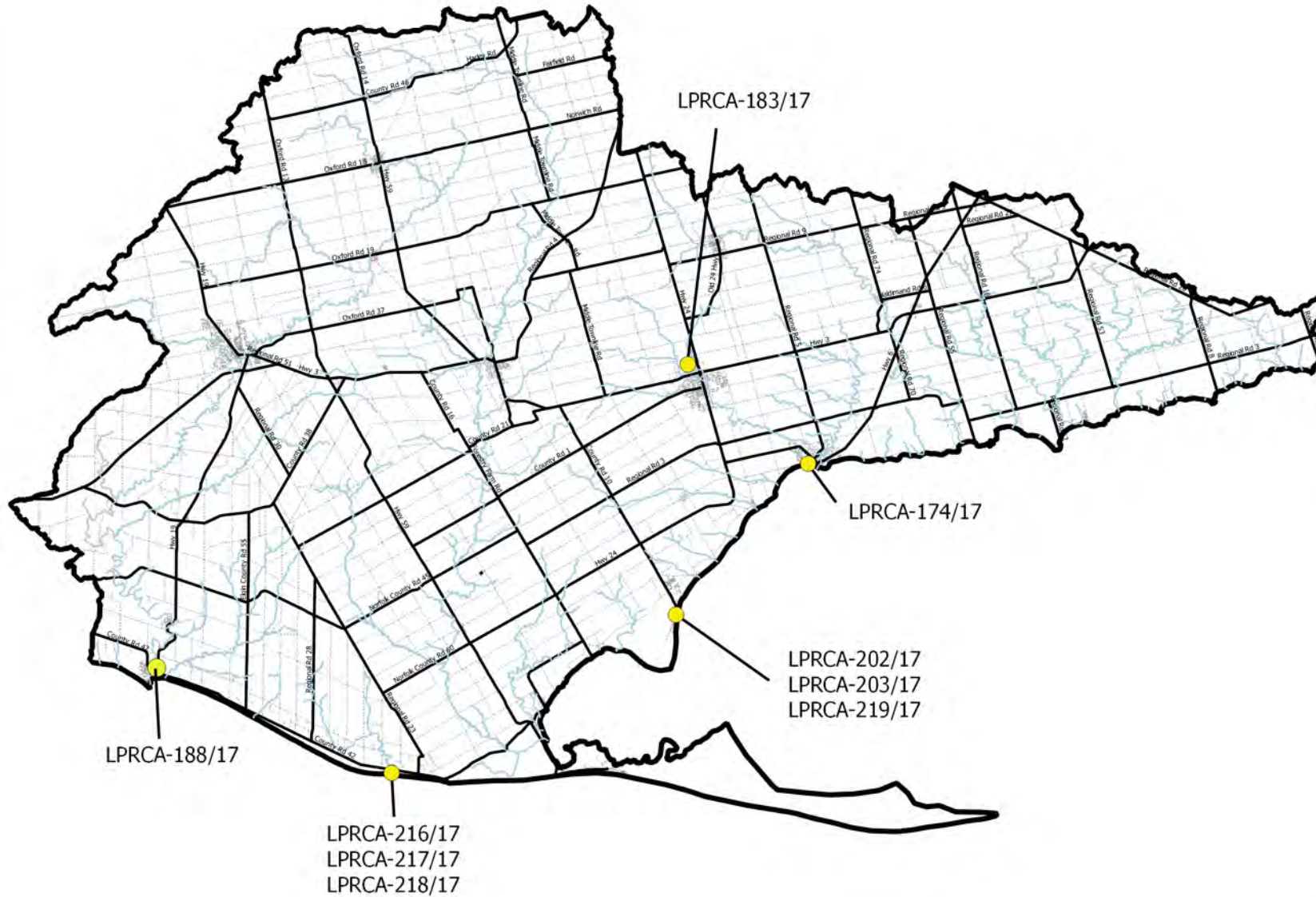
Cliff Evanitski
General Manager



SUMMARY MAP

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Long Point Region
Conservation Authority





**LONG POINT REGION CONSERVATION AUTHORITY
STAFF REPORT**

Date: August 29th, 2017 **File:** 1.1.2
To: Chair and Members,
LPRCA Board of Directors
From: General Manager, LPRCA
Re: **GM's REPORT – August 2017** (C. Evanitski)

RECOMMENDATION

That the LPRCA Board of Directors receives the General Manager's Report for August 2017 as information.

STRATEGIC GOAL

Goal #5 Work collaboratively with watershed stakeholders to deliver high-value, efficient and innovative solutions.

BACKGROUND

On August 9th, the GM met with the Audit and Finance Committee where direction was provided to explore municipal debentures as an investment tool for the Conservation Authority. The GM along with other staffers volunteered for the annual Deer Creek Fishing Derby on the 12th with approximately 80 registrants signing up for the successful event. The GM visited Haldimand Conservation Area the next day to inspect remediation works following the hydro upgrades project.

The GM met with Norfolk County's new Economic Development Coordinator on the 15th to discuss potential planning matters/opportunities that might develop in the foreseeable future. On the 20th, the GM attended the NorfolkTales event at Backus Heritage Conservation Area; the event attracted approximately 300 attendees over three nights. On the 22nd, the GM met with Brant County staff to discuss investments and debentures. The Strategic Planning Review Committee met on the 24th. The Committee directed the GM to prepare a report including timelines for the development of the next LPRCA Strategic Plan; the current one expires at the end of 2018. The Audit Committee met again on the 30th.

Prepared and submitted by:

Cliff Evanitski
General Manager/Secretary-Treasurer



LONG POINT REGION CONSERVATION AUTHORITY
STAFF REPORT

Date: August 29th, 2017

File: 1.1.6.3

To: Chair and Members,
LPRCA Board of Directors

From: General Manager, LPRCA

Re: 24th, Annual A.D. Latornell Conference

RECOMMENDATION

THAT the LPRCA Board of Directors approves the attendance of the General Manager, _____, _____ and _____ for the 24th Annual A.D. Latornell Conference.

BACKGROUND

The A.D. Latornell Conference is organized by Conservation Ontario, the University of Guelph and other partners and is hosted annually in Alliston, Ontario. This Conference runs from November 21st to the 23rd. It attracts approximately 800-1000 environmental stakeholders from across Ontario and provides an excellent forum for information exchange and potential funding opportunities.

The theme of the 2017 Symposium is *Succession; the Nature of Change*. Organizers state that:

In this Canada's 150th, we explore the succession of science, knowledge, policy and organisations and the nature of this change on the environment. Many of us identify with natural or ecological succession – the process by which a plant or animal community successively gives way to another, leading to a new state. But the same is true of our organisations, as we have matured in our purpose and knowledge, and have seen leadership transfer to successive generations. The ongoing growth of knowledge through research, monitoring, observation, analyses **and education** have informed our actions on the ground, the policies we have developed and our legislative responses to emerging challenges.

Through this year's theme of Succession, we explore the topics of ecological, policy and organisational succession, and continuing contributions to knowledge. Let us explore where we have been, how that has informed who we are today, and where we are headed.

Keynote speakers include:

- Leona Dragis - Inspirational/Motivational/ Leadership Advocate;
- Terry O'Reilly – Radio Broadcast Host and Author.

BUDGETARY IMPLICATION

Early registration is \$705/person (up from \$695 in 2016) for the three days not including hotel and travel expenses, and is due by October 11th. Late registration is \$895.00.

Prepared and submitted by:

A handwritten signature in black ink, appearing to read "Cliff EA", with a long horizontal stroke extending to the right.

Cliff Evanitski

General Manager/Secretary-Treasurer



LONG POINT REGION CONSERVATION AUTHORITY STAFF REPORT

Date: August 28th, 2017 **File:** 2.1.C

To: Chair and Members,
LPRCA Board of Directors

From: General Manager, LPRCA

Re: **Parks Update** (Pam Walther-Mabee)

RECOMMENDATION

THAT the LPRCA Board of Directors receives the following report as information:

BACKGROUND

Haldimand Park:

As previously reported, the Electrical Safety Authority (ESA) inspector visited the park to complete an inspection for the work being undertaken by Darlington's. During this visit there were a number of defects noted by the inspector related to the existing hydro services. Since the last meeting, action has been taken in the park and LPRCA staff has worked towards completing the outstanding work orders to satisfy the ESA.

- Staff met with Wendy Reid, Electrical Safety Authority, regarding a Continuous Safety Service, (CSS), package/plan for each of LPRCA's Conservation Areas and properties with hydro services. CSS plans have been implemented in many municipalities and CAs across Ontario. These service plans primarily focus on providing a free overall, site by site, inspection, to determine if there are deficiencies. The CSS plan covers the cost of all ESA permits while enrolled in the program. The cost is determined by number and type of locations. There will be a costing estimate provided for the 2018 budget.
- A contractor was engaged to remove wild vines from a pole structure and transformer, as well as, from the main north overhead power-line that runs from South Coast Drive northerly to the woodshed.
- Haldimand CA, Norfolk CA and Waterford Central Workshop staff emptied and relocated the woodshed so as to comply with ESA.
- A tender is being prepared to move the existing hydro lines underground and away from the trailers on sites 110 to 116; the start date is on or about October 15, 2017.
- Proper warning labels have been affixed to all designated hydro poles throughout the Haldimand CA site that were identified as being LPRCA assets, (vs. Hydro One's poles).

Currently, the ESA Inspector has been informed the progress of remediation works and timeline.

Norfolk:

The major challenge at Norfolk has been to supply consistent and potable water. The long weekend in August had complications for water delivery due to an untimely storm which churned up Lake Erie, increasing turbidity for the water source at a time when demand was escalating due to high attendance in the park. The situation was remedied within 24 hours.

There is currently work being undertaken to clear brush and scrub away from the fenced area on both sides of the main entranceway to ensure a tidy appearance while removing potential causes of damage to fence integrity. Further trimming work is required on the park roads system to restore proper widths for trailers and pick-up trucks.

Deer Creek:

The park continues to operate at a high level of occupancy for the 40 campsites. Areas are being considered for expansion. Deer Creek's day-use and overnight camping season is finished on Labour Day. Backus Heritage CA Park staff continues to monitor the water and clean the washrooms for the remaining 12 seasonal campers until October 15. Hydro upgrades will be scheduled to start after the park closes for the season.

Backus:

Successful Ontario 150 production of the NorfolkTales theatrical event, saw over 300 visitors at the 3-day event (first night was rained out). Many positive reviews were received from those who attended.

The TD Grant Trail project has been a combined effort between BHCA Staff and Waterford Central Workshop Staff. Three bridges have been repaired, and a new set of stairs leading to the Cottonwood Trail has been installed.

Staff is now focusing on LPRCA's signature event, the War of 1812 Re-enactment, as well as, the return of school groups in September. Hydro upgrades to Campground C will start after the park closes.

Waterford North CA:

The main parking area was reconfigured and delineated with new fencing. The plan for Hydro upgrades at Waterford is still the main focus in the park. The Waterford Washroom upgrade is being priced.

BUDGET IMPLICATION

None.

Prepared by:



Pam Walther-Mabee
Manager of Conservation Land Services

Approved and submitted by:



Cliff Evanitski
General Manager



LONG POINT REGION CONSERVATION AUTHORITY STAFF REPORT

Date: August 28th, 2017

File: 3.4.4

To: Chair and Members
LPRCA Board of Directors

From: General Manager

RE: Budget Reallocation – Environmental Monitoring Stns (L. Minshall)

RECOMMENDATION

THAT the LPRCA Board of Directors reallocates up to \$13,000 from the 2016 Capital Levy for unallocated studies to construction costs for establishing the environmental monitoring stations as per the staff report of September 6th, 2017.

STRATEGIC PLAN

Goal #1 - To develop and maintain programs that will protect life and property from natural hazards such as flooding and erosion.

Goal #2 – Maintain and enhance watershed health.

Goal #3 – Link people to the environment through outdoor, education and cultural heritage experiences.

Goal #4 – Maintain an organization committed to teamwork, positive change and excellence.

Goal #5 Work collaboratively with watershed stakeholders to deliver high-value, efficient and innovative solutions.

BACKGROUND

MNRF Surface Water Monitoring Centre is providing LPRCA with environmental monitoring equipment valued at approximately \$25,000. In exchange, LPRCA will install and maintain the equipment, as well as, provide MNRF access to the data. The environmental monitoring equipment LPRCA is receiving free of cost includes:

- data loggers
- wind speed
- rainfall gauge
- snow depth
- air temperature
- barometric pressure
- relative humidity
- satellite telemetry
- soil moisture
- soil temperature
- solar power setup

The equipment is to be installed in 3 existing monitoring stations and one proposed weather station. The proposed location of the weather station is

Backus Heritage Conservation Area near the front gatehouse. The station will consist of a 10-metre tall wind tower on top of an engineered foundation. Many of the sensors listed above will be mounted on the tower. A rainfall gauge, snow depth gauge, and soil sensors will also be located on site. A 6-foot chain-link fence with gate will enclose the area for public safety and equipment security.

The proposed weather station will:

- Provide LPRCA with accurate, real-time wind and rainfall data for flood forecasting and warning;
- Improve LPRCA’s low water response monitoring;
- Fill a very large data gap in LPRCA’s monitoring network;
- Provide an opportunity for youth education programming at Backus Heritage Conservation Area;
- Provide data accessible to the public via LPRCA’s website;
- Benefit agriculture in the area by providing air temperature, soil moisture/temperature, and rainfall data which will improve irrigation plans and planting schedules; and
- Provide long-term datasets with which to conduct internal and external scientific studies.


The bulk of the reallocated \$13,000 will go towards purchase of the wind tower, design and installation of the foundation, and enclosing the area in fencing. However, it does include installation of the other equipment and some contingency for unforeseen costs. The major costs of the project are outlined in the table below.

Required Purchases	Cost (exl HST)
Wind Tower	\$3,085
Foundation Design	\$1,880
Concrete Foundation	\$4,200
Chain-link Fence	\$2,500
Chain-link Gate	\$400
Conduit	\$100
Solar Panel Mount	\$100
Marine Battery	\$150
TOTAL	\$12,415

BUDGET IMPLICATION

In order to complete the installation of the equipment at LPRCA’s monitoring stations, a reallocation up to \$13,000 is required. The funding for this project would be reallocated from the 2016 Capital Levy for studies that are currently not allocated.

Prepared by:



Matthew Churly, EIT
Water Resources Analyst

Approved and submitted by:



Cliff Evanitski
General Manager



**LONG POINT REGION CONSERVATION AUTHORITY
STAFF REPORT**

Date: August 29th, 2017

File: 1.4.1

To: Chair and Members,
LPRCA Board of Directors

From: General Manager, LPRCA

Re: 2017 Approved Capital Projects

RECOMMENDATION

**THAT the LPRCA Board of Directors receives the staff report dated August 29th, 2017 regarding the 2017 Capital Projects as information;
AND approves a reallocation of 2017 Capital Levy of \$16,000 for the Backus Mill Extension of Embankment and Wing Walls project.**

BACKGROUND

At the January 18th, 2017 Board of Directors meeting, the 2017 LPRCA Budget was approved which identified capital projects at various conservation areas. Attached is Appendix 1 which is a summary of the capital projects. The following outlines the status of the various projects since June 7th, 2017:

Watershed Services

MNRF Water and Erosion Control Infrastructure (WECI) grants have been approved for the Teeterville Dam Sediment Management Plan (\$30,000), Teeterville Dam Maintenance Study (\$20,000), Vittoria Dam Sediment Management Plan (\$20,000) and Vittoria Dam Hazard Classification (\$25,000). The funding from WECI is 50% of the costs. Review of the projects determined that the Vittoria Dam Hazard Classification would not proceed. Dave Johnston with MNRF has confirmed that, when alternative methods of determining hazard potential are used, the most conservative determinations will stand. That being the case, there is no benefit in refining the Vittoria Dam Hazard Classification and this project will not go ahead. There was \$15,000 of Capital Levy allocated to this project which now increases the unallocated funds.

The Backus Mill Dam Study commenced in 2016 with 50% WECI funding and was completed in March 2017. The study delivered a Dam Safety Assessment and design drawings for the Backus Mill Dam Embankment & Wing wall Extension.

Backus Mill Dam Embankment & Wing wall Extension was planned at \$110,000 with WECl funding approved for \$55,000. Since the approval by WECl there has been additional project information received which changed the scope of the project. Additional engineering design work is required for the proposed stability and erosion repairs to meet the Lakes and Rivers Improvement Act (LRIA) requirement (per David Johnston, MNRF) that the dam safely pass the 100-year flood. LPRCA staff has requested a cost estimate from the engineer for the modified design and staff will continue work to complete this additional design work and seek LRIA approval this year. However, the delays for LRIA approvals will prevent construction of the repairs this year. The estimated cost of the additional design work for LRIA approval is \$32,000. LPRCA staff proposes instead to do small temporary repairs this year to prevent further erosion of the embankment. This will likely include filling in the section with appropriate fill, covering it in geotextile, and armoring the area with river stone or riprap. These items are estimated to cost \$10,000. The total cost of these items can be refined when the requested cost estimates are received.

Since the stability and erosion repairs to the wing walls and downstream embankment are delayed and the cost of that work may become prohibitive, LPRCA needs to proceed with the installation of the road and pedestrian bridge safety railings and curbs on the dam. These safety repairs were approved in 2016/17 and the engineered design was completed. However, the construction was not completed because of contractor delays. We did not apply in 2017/18 for these safety repairs because staff intended the work to follow the construction of the stability and erosion repairs. However, with the delay in the larger repair project, perhaps indefinitely, the safety repairs cannot be put off and staff proposes to complete these works this fall. The total cost of the safety repairs, based on cost estimates in hand, is \$23,000. The total cost for the proposed 2017/18 Backus Mill Dam repairs is proposed to be \$65,000 versus the original project of \$110,000.

This project was a repair originally requiring a special levy to Norfolk of \$55,000. Now the modified project is a study and a repair with the special levy to Norfolk being adjusted to \$16,500. Thus, a reallocation of \$16,000 is required from the 2017 Capital Levy to cover the study. The WECl funding would be \$32,500, Special Levy of \$16,500 and Capital Levy of \$16,000 for a project of \$65,000.

The Environmental Monitoring Stations is a project that was not in the 2017 Budget and a report was presented to the Board for a reallocation Capital Levy of \$13,000.

The prior year capital levy would be now \$118,829 from successful submissions to WECl. Dam projects have been submitted and the funding received has been greater than what was anticipated in the budgets. There is a small amount from the 2017 capital budget of \$4,226 for future Dam studies.

Backus Heritage and Education Services

Backus Heritage Village and Education (\$2,179) Log Cabins repair and chimney repair. The chinking of the log cabins was completed in 2016 and the chimney repair is all that is left for this project. A local company has been contracted.

Backus Heritage CA Hydro Upgrade (\$15,682 - **2016**, \$40,000 – **2017**, \$13,200 - **2017**). The 2016 tender was completed prior to May 1st for “D” campground. Hydro upgrades to the Heritage Village service and large pavilions are in progress. Tenders will be prepared and advertised for Hydro upgrade to Campground “C”.

Backus Heritage CA Water System Upgrade – (\$22,460) Water well refurbishing in Campground “E” cannot be undertaken until the timeframe of July 1st to September 30th due to the Department of Fisheries and Oceans guidelines.

Conservation Parks Management Services

Deer Creek CA Hydro Upgrade (\$14,000). Hydro upgrades will be scheduled to be completed after the close of the 2017 operating season. A tender will be prepared and advertised by September, 2017.

Haldimand CA Hydro Upgrade (\$35,000) – Work has been completed to upgrade 20 campsites to 30 amp service, in addition to new water and septic lines to the tanks.

Haldimand CA Fire Pit Rings (\$5,000) -The fire grates at the 1967 Centennial pavilion were replaced to provide a community BBQ facility. Fire pit rings for the overnight campsites have been ordered.

Waterford North CA Hydro Upgrade (\$40,000- **2016**, \$40,000 - **2017**, \$13,200 - **2017**) Discussions with Hydro One have taken place and staff is waiting for their final assessment of costs to upgrade the road service to LPRCA property. Once that amount is obtained a tender will be prepared to upgrade service from the road into the campground and to provide service to the maximum number of campsites. Anticipated to be tendered in September 2017.

Waterford North CA Comfort Station (\$55,000) – The Comfort Station upgrade is being priced.

Norfolk CA Water Intake Upgrade (\$6,078- **2016**, \$16,000-**2017**) Staff has implemented an alternate recommendation of a water intake pump encased in a fine mesh box. Water quality has been an issue and the new intake pump needs to be extended further into the lake.

Canoes and other related Watersports Equipment (\$6,000). Kayaks and canoes have been purchased, with room to purchase more during fall specials.

Other Conservation and Land Management Services

Park Sign Replacement and Roadway signage for Parks (\$1285- **2016**, \$5,000 – **2017**). This project has not been started.

BUDGET IMPLICATION

The prior year Capital Levy is \$310,107 with a \$13,000 reallocation request for the Environmental Monitoring Stations and the 2017 Capital Levy is \$349,326 with a reallocation of \$16,000 requested in this report.

Prepared by:



Judy Maxwell
Manager, Corporate Services

Reviewed and approved by:



Cliff Evanitski
General Manager

Long Point Region Conservation Authority
CAPITAL SUMMARY July 31, 2017

Appendix 2

PROGRAMS AND PROJECTS	PRIOR YEARS Capital Levy	2017 Capital Levy	2017 Special Levy	2017 Federal (NDMP) & Canada 150	WECI	Total \$'s Spent to July 31, 2017	Status	Total \$'s Remaining
OBJECTS OF EXPENSES								
<u>Watershed Services</u>								
Server for Mapping (2017 Budget Approval)	\$5,745					\$5,464	Completed	\$281
Teeterville Sediment Management Plan (\$30,000)	\$0	\$15,000			\$15,000		In progress	\$30,000
Teeterville Maintenance Study (\$20,000)	\$0	\$10,000			\$10,000		In progress	\$20,000
Vittoria Sediment Management Plan (\$20,000)	\$0	\$10,000			\$10,000		In progress	\$20,000
Vittoria Hazard Classification (\$0)	\$0	\$0			\$0		Cancelled	\$0
Backus Mill Dam Study (WECI 2016-2017)	\$25,500				\$8,734	\$34,234	Completed	\$0
Backus Mill Extension of Embankment & Wing walls (\$65,000)		\$16,000	\$16,500		\$32,500		Approval Requested	\$65,000
Haldimand Cty Shoreline Flood & Erosion Hazard Study - Note 1	\$3,000		\$0	\$0			In progress	\$3,000
2016 & 2017 Capital Levy for Studies (WECI funding success)	\$118,829	\$4,226						\$123,055
Environmental Monitoring Stations -Reallocation Sept 2017	\$13,000						Approval Requested	\$13,000
Shoreline Management Plan Balance (2013)	\$49,681							\$49,681
Note 1: GRCA is leading project with Halidmand County								
<u>Backus Heritage and Education Services</u>								
Two Village Log Cabins Repair and Chimney Repairs	\$2,179						In progress	\$2,179
Backus Hydro Upgrades	\$15,682	\$40,000		\$13,200		\$5,721	In progress	\$63,162
Backus Water Systems Upgrades	\$2,460	\$20,000					Not started	\$22,460
<u>Conservation Parks Management Services</u>								
Deer Creek CA Campsite Water & Hydro Upgrades		\$14,000					Not started	\$14,000
Haldimand Hydro Upgrades		\$35,000				\$2,495	In progress	\$32,505
Haldimand CA Fire Pit Rings		\$5,000				\$2,550	In progress	\$2,450
Waterford North Hydro Upgrade	\$40,000	\$40,000		\$13,200			Not started	\$93,200
Waterford North CA Comfort Station/Shower		\$55,000				\$775	In progress	\$54,225
Norfolk CA Water Intake Upgrade	\$6,078	\$16,000				\$9,031	In progress	\$13,047
Canoes and Related Watersports Equipment		\$6,000				\$1,753	In progress	\$4,247
<u>Other Conservation and Land Management Services</u>								
Vehicle Replacement (1 pick-up)		\$27,500				\$25,039	Completed	\$2,461
Equipment Replacement (2 front mount lawnmowers & 1 bucket)		\$24,000				\$27,300	Completed	(\$3,300)
Proceeds from auction sale of truck and 2 lawnmowers						(\$4,118)	Completed	\$4,118
Park Sign Replacement & Roadway Signage for Parks	\$1,285	\$5,000					Not started	\$6,285
<u>Corporate Services</u>								
Administration Office Flooring Upgrades	\$26,500						Not started	\$26,500
Computer Upgrades	\$168	\$3,100				\$3,283	Completed	(\$14)
Back Door Lock Replacement		\$3,500				\$2,569	Completed	\$931
TOTAL	\$310,107	\$349,326	\$16,500	\$26,400	\$76,234	\$116,095		\$662,472
SOURCES OF REVENUE RECONCILIATION								
Municipal Levy - Capital	\$310,107	\$349,326				\$111,479		\$547,954
Proceeds from Auction						(\$4,118)		\$4,118
2017 Special Levy			\$16,500			\$0		\$16,500
2017 Federal (NDMP:\$63,000 & Canada 150:\$26,400)				\$26,400		\$0		\$26,400
WECI Funding					\$76,234	\$8,734		\$67,500
TOTAL	\$310,107	\$349,326	\$16,500	\$26,400	\$76,234	\$116,095		\$662,472



LONG POINT REGION CONSERVATION AUTHORITY
STAFF REPORT

Date: September 6th, 2017

File: 3.6.2

To: Chair and Members,
LPRCA Board of Directors

From: General Manager, LPRCA

Re: National Disaster Mitigation Pgm - Flood Forecasting System (L. Minshall)

RECOMMENDATION

**THAT LPRCA makes application to the National Disaster Mitigation Program for funding to improve its flood forecasting and warning capabilities, and
THAT LPRCA plan during its 2018 budget discussions to contribute 50% of the total project cost, with 43% from General Levy – Capital and 7% in-kind staff time, as its share of the matched funds, and
THAT a letter be sent to member municipalities requesting endorsement for the project.**

STRATEGIC PLAN

Goal #1 - To develop and maintain programs that will protect life and property from natural hazards such as flooding and erosion.

BACKGROUND

The federal National Disaster Mitigation Program, announced in April 2015, will pay 50% of the cost for updated flood mapping, flood mitigation planning and small scale mitigation works.

Staff is proposing to apply, through the Ontario Ministry of Municipal Affairs (MMA), for funding to update and improve its flood forecasting capability. The application is due to MMA on September 15th, 2017.

Only the Provinces and Territories can apply for funding under the program and must apply for 2018-19 funding by October 31st, 2017. The Ministry of Municipal Affairs (MMA) is taking the lead in Ontario, with technical input from the Ministry of Natural Resources and Forestry (MNRF). MMA requires conservation authorities to partner with municipalities to undertake projects since conservation authorities have the lead in mapping flood risk areas and flood forecasting and warning while municipalities have the lead in land-use planning and flood emergency response. MMA will gather, rank and submit applications on behalf of the conservation authorities.

Improvements to LPRCA's flood forecasting and warning system are eligible for NDMP funding in the Small-scale Mitigation Works – Non-structural category.

LPRCA is mandated by the Province to operate and maintain a flood forecasting and warning system for its watercourses and Lake Erie shoreline. Flood watches and warnings are issued by LPRCA to help reduce the risk to life and property from floods. These flood messages are issued to provide early notice to municipal flood coordinators, emergency responders and the

public. The LPRCA Flood Forecasting and Warning Program is described in detail in the staff report to the Board at its April 4th, 2017 meeting.

To evaluate the potential risk of flooding, LPRCA staff monitors weather and watershed conditions including precipitation, temperature and wind forecasts, soil wetness, snow depth and water content, rainfall, precipitation radar, water levels, streamflow and ice conditions. Thresholds for various existing and forecast conditions trigger watches and warning messages for flood damage centres in the watershed. The service is offered on a continuous (24/7) basis.

LPRCA's data monitoring and forecasting systems have aged and have not kept pace with technology and the state of practice in Ontario. There are a number of areas where the system can be improved and gaps filled through the use of current technology.

The improvements to the LPRCA flood forecasting and warning system will:

- a) Automate data collection from the stream flow and rainfall gauges (now done manually) by implementing WISKI/SODA software through the Western Ontario WISKI Hub operated by the Upper Thames River Conservation Authority (UTRCA). WISKI has become the standard in Ontario for data collection, management and analysis with MNRF and at least half of CAs using the software. The UTRCA-managed WISKI hub allows the smaller CAs to implement the system at lower licensing and maintenance cost. Lower Thames, Essex, Maitland, Sudbury and Lakehead CAs are already part of the hub and St. Clair, Saugeen and Grey-Sauble CAs are planning to join in 2018. There is also an Eastern Ontario Hub managed by Quinte Conservation. The larger CAs maintain their own WISKI systems.
- b) Improve the reliability of data collection from the LPRCA stream flow and rain gauges by upgrading weak communication links and replacing aging/failing data loggers and modems.
- c) Improve the reliability of flood forecasting and warning services by providing back-up power at the LPRCA office.
- d) Implement a rotating 24/7 duty officer system and upgrade communication tools (tablet, smart phones).
- e) Re-establish watch and warning thresholds for a range of weather and watershed conditions by investigating historical events and modeling results.
- f) Develop a range of simple to more sophisticated forecast tools, making use of LPRCA's existing hydrology model.
- g) Facilitate duty officer training and effectiveness by updating the Flood Forecasting and Warning Operations Manual.

The cost of these improvements is estimated to be:

	'2018	'2019
Software licenses required to implement WISKI and SODA software through the Western Ontario WISKI Hub	\$15,000	\$6,000
Hardware upgrades streamflow and rainfall gauges	\$15,000	
Backup power for the Flood Control Centre (LPRCA office)		\$20,000
Communications tools for rotating duty officers	\$ 4,000	
Investigation to re-establish watch and warning thresholds	\$16,000	
Develop a range of flood forecasting tools	\$15,000	\$24,000
Prepare Flood Forecasting and Warning Operations Manual		\$15,000
Total Cost	\$65,000	\$65,000
LPRCA's Cost	\$28,000	\$28,000

BUDGET IMPLICATION

The cost to undertake the listed improvements to the flood forecasting and warning capabilities is estimated to be \$140,000 over two years. The contribution of matching funds over two budget years would be as follows:

	<u>Total</u>	<u>2018</u>	<u>2019</u>
Total estimated project cost	\$130,000		
Public Safety Canada (NDMP program)	\$ 65,000	\$ 32,500	\$ 32,500
Matching funds:			
LPRCA General Capital Levy	\$ 56,000	\$ 28,000	\$ 28,000
LPRCA in-kind (15% of matching cash)	<u>\$ 9,000</u>	\$ 4,500	\$ 4,500
Total matching funds	\$ 65,000		

MMAH requires that the application be accompanied by a letter of support from the LPRCA Board and also from municipalities affected by the project. MMAH has said that a letter of support from a senior municipal staff member (signing officer) will meet their requirements.

The ongoing annual cost of maintaining the WISKI/SODA software and the services of the Western Ontario WISKI hub is \$6,000 per year.

Prepared by:



Lorrie Minshall, P.Eng.
Interim Manager Watershed Services

Approved and submitted by:



Cliff Evanitski
General Manager