Agenda - Council - April 21, 2004

Report - Standing Policy Committee on Protection and Community Services - April 5, 2004

Item No. 1 2004 West Nile Virus Strategy
File PA

STANDING COMMITTEE RECOMMENDATION:

On April 14, 2004, the Executive Policy Committee concurred in the recommendation of the Standing Policy Committee on Protection and Community Services and submits the following to Council:

1. That the additional contingency funding required to support the City of Winnipeg's portion of the following 2004 West Nile Virus strategic actions, based on the range of Provincial cost sharing mechanisms as described in the administrative report dated March 29, 2004, be approved, namely:

   A. Targeted Larviciding for West Nile Virus within Winnipeg ($75,000.00 as required);
   B. Emergency Adulticiding (Fogging) for West Nile Virus within Winnipeg ($30,000.00 per round, as required);
   C. Enhanced Public Education and Communication ($85,000.00);
   D. T.E.A.A.M. - Community-based Initiative (estimated $37,500.00).

2. That the Community Services Department be authorized to proceed with implementation of the above strategies as required, and that the actual costs incurred be processed after the fact through an additional appropriation to be considered by the Standing Committee on Fiscal Issues.

3. That the City Solicitor/Manager of Legal Services be instructed to prepare suitable amendments to the Mosquito Control By-law No. 101/2003 to support the above strategic actions, including designations of employees to conduct inspection programs by public notice in 2004.

4. That the Proper Officers of the City be authorized to do all things necessary to implement the intent of the foregoing.

Report - Standing Policy Committee on Protection and Community Services - April 5, 2004

DECISION MAKING HISTORY:

EXECUTIVE POLICY COMMITTEE RECOMMENDATION:

On April 14, 2004, the Executive Policy Committee concurred in the recommendation of the Standing Policy Committee on Protection and Community Services and submitted the matter to Council.

Further, the Executive Policy Committee received as information the recommendation of the Civic Environmental Committee with respect to the Mosquito Control Plan / West Nile Virus Response Strategy 2004.

STANDING COMMITTEE RECOMMENDATION:

On April 5, 2004, the Standing Policy Committee on Protection and Community Services concurred in the administrative recommendation, as amended, namely:

- That Recommendation 2 be amended by adding the following words at the end of said Recommendation "to be considered by the Standing Committee on Fiscal Issues",

and submitted the matter to the Executive Policy Committee and Council.

Further, the Standing Policy Committee on Protection and Community Services requested the Administration to conduct a preliminary review for the establishment of a Reserve Fund for the West Nile Virus Strategy and report back to the Standing Policy Committee on Protection and Community Services.

On March 8, 2004, the Standing Policy Committee on Protection and Community Services requested the Administration to provide the Standing Committee with an update on the 2004 Mosquito Control Strategy at its meeting scheduled for April 5, 2004.

CIVIC ENVIRONMENTAL COMMITTEE RECOMMENDATION:

On April 5, 2004, the Civic Environmental Committee considered a report dated March 29, 2004, from the Community Services Department, on the Department's Mosquito Control Strategy for 2004.

Report - Standing Policy Committee on Protection and Community Services - April 5, 2004

DECISION MAKING HISTORY (continued):

Further, the Civic Environmental Committee concurred in the administrative recommendation and submitted the following to the Executive Policy Committee for consideration:

1. That the Civic Environmental Committee supports the general direction of the report and commends the City for working toward a more environmentally friendly Mosquito Control Strategy.

2. That the Administration should consider the estimated cost of public versus private expenditures associated with mosquito control activities and whether a more appropriate balance could be struck.

3. That the Administration also explore the possibility of seeking additional partners who are already involved in doing home inspections, such as Manitoba Hydro, to participate in T.E.A.A.M. strategies.

ADMINISTRATIVE REPORT

RE: WEST NILE VIRUS RESPONSE STRATEGY 2004

FOR SUBMISSION TO:	**Standing Policy Committee on Protection & Community Services**
ORIGINAL REPORT SIGNED BY:	**Ursula Stelman, Director Community Services Department**
REPORT DATE:	**March 29, 2004**

RECOMMENDATION(S):

1. That Council approve the additional contingency funding required to support the City of Winnipeg's portion of the following 2004 West Nile Virus strategic actions, based on the range of Provincial cost sharing mechanisms as described in the report. Those strategic actions requiring additional City of Winnipeg funding are:
   - Targeted Larviciding for West Nile Virus within Winnipeg ($75,000 as required)
   - Emergency Adulticiding (Fogging) for West Nile Virus within Winnipeg ($30,000 per round, as required)
   - Enhanced Public Education and Communication ($85,000)
   - T.E.A.A.M. - Community-based Initiative (estimated $37,500)

2. That the Community Services Department be authorized to proceed with implementation of the above strategies as required, and that the actual costs incurred be processed after the fact through an additional appropriation.

3. That the City Solicitor be instructed to prepare suitable amendments to the Mosquito Control By-law to support the above strategic actions, including designations of employees to conduct inspection programs by public notice in 2004.

REPORT SUMMARY:

Key Issues:

- This report presents the 2004 West Nile Virus Response Strategy, and is a product of a collaborative planning effort between the City of Winnipeg, and the Province of Manitoba.

- A range of funding mechanisms has been identified for the proposed strategic actions, including some that are joint City/Provincial cost sharing.

- Additional funding is required to support the City of Winnipeg's portion of the strategic actions, based on the range of Provincial cost sharing mechanisms as described in the report.

- Total costs of the 2003 Blueprint for Action were $674,853. The City of Winnipeg's portion of these costs totaled $209,519. The remaining $465,334 was recovered from the Province of Manitoba. This years WNv Response Strategy proposes City of Winnipeg costs up to $197,500 plus Emergency WNv Adulticiding (fogging) costs if required.

- Within the 2004 WNv Response Strategy the City of Winnipeg continues to integrate additional environmentally sensitive approaches within its mosquito control program.

- This report addresses the range of mosquito control services provided by the City of Winnipeg, as well as a comprehensive response plan for West Nile Virus.

- Key components include:

    - An ongoing inter-governmental approach for the coordination and planning of West Nile Virus response strategies by the Winnipeg Regional Team.

    - Targeted West Nile Virus surveillance and larviciding.

    - A range of funding mechanisms has been identified for the proposed strategies, including some that are joint City/Provincial cost sharing.

    - T.E.A.A.M. (Targeted Environmental Action Against Mosquitoes) A community-based initiative utilizing environmentally friendly strategies. The focus of the project will be targeted strategies aimed at reducing potential sources of mosquito breeding within neighbourhoods. It will include:
        1. Provision of a yard audit and education to a minimum of 200 residential yards randomly selected throughout Winnipeg for assessment of potential breeding sites
        2. Providing educational information and a yard audit inspection at the request of the homeowner - City-wide basis
        3. Backyard cleanup assistance for the elderly and high needs individuals as identified by other property inspectors
        4. Public education including media and community events aimed at reducing residential mosquito breeding sites. It will incorporate messaging based on the specific breeding sources identified during the yard assessments.

    - Improved public education and communication mechanisms, in particular a new automated phone and e-mail notification system for individuals who require personal notification when fogging is taking place.

- Participation by the City of Winnipeg on the Health Canada National West Nile Virus Steering Committee and the newly established National Mosquito Surveillance & Control Subcommittee. The mandate of this subcommittee is to identify options for mosquito control, gaps in available products, priorities and rationale for development and access to alternative mosquito control products. Also connected to this National Subcommittee is an Expert Group here in Winnipeg. Building on the knowledge of the National Mosquito Surveillance & Control Subcommittee, this group will make recommendations and pursue licensing of alternative products on Winnipeg's behalf.

Implications of the Recommendation(s):

General implications:

None

x **For the organization overall &/or for other departments**

x **For the community and/or organizations external to the City**

Involves a multi-year contract

Comment(s):

- This report outlines a mosquito control strategy for 2004 that (a) reduces nuisance mosquitoes, and (b) reduces the risk to the health of Winnipeg citizens from West Nile Virus. This strategy is a product of collaborative planning between the Province of Manitoba and the City of Winnipeg.

Policy implications:

No

x **Yes** **Comment(s):**

- Council approval is required for the funding of new City of Winnipeg and intergovernmental initiatives.

Environmental implications:

No

x **Yes** **Comment(s):**

- During the 2004 season the City of Winnipeg will continue to integrate additional environmentally sensitive approaches within its mosquito control program.
- The report proposes a community-based initiative that engages Winnipeg citizens in reducing potential sources of mosquito breeding within neighbourhoods utilizing environmentally-friendly approaches.
- Participation by the City of Winnipeg on the Health Canada National West Nile Virus Steering Committee and the newly established National Mosquito Surveillance & Control Subcommittee will provide a mechanism for the identification of options for mosquito control, gaps in available products, priorities and rationale for development and access to alternative mosquito control products for use within Winnipeg.

Human Resources implications:

No

x **Yes Comment(s):**

- Seasonal positions will be created within the Insect Control Branch, contingent upon the need for targeted West Nile Virus mosquito control activities.

Financial implications:

Within approved current and/or capital budget

x **Current and/or capital budget adjustment required**

Comment(s):

- A range of funding mechanisms has been identified for the proposed WNv strategies, including some that are joint City/Provincial cost sharing.
- Additional funding is required to support the City of Winnipeg's portion of the WNv strategic actions, based on the range of Provincial cost sharing mechanisms as described in the report.
- Those strategic actions requiring additional City of Winnipeg funding are:
  - Targeted Larviciding for West Nile Virus ($75,000 as required)
  - Emergency Adulticiding (Fogging) for West Nile Virus ($30,000 per round, as required)
  - Improved Public Education and Communication ($85,000)
  - T.E.A.A.M. Initiative (estimated $37,500)
  - For the City of Winnipeg, the above WNv strategic actions total up to a maximum of $197,500, plus any Emergency WNv Adulticiding (fogging) costs if required.

- The Community Services Department is requesting authorization to proceed with implementation of the above strategies as required, and that the actual costs incurred be processed after the fact through an additional appropriation.

REASON FOR THE REPORT:

At the March 8, 2004 meeting, the Standing Policy Committee on Protection and Community Services requested the Administration to provide the Standing Committee with an update on the 2004 Mosquito Control Strategy for its meeting on April 5, 2004.

Council approval is required for the additional contingency funding required to support the City of Winnipeg's portion of the 2004 WNv Response Strategies. These 2004 strategies have been developed in keeping with the principles of the overall Blueprint for Action approved by Council in April 2003.

HISTORY:

The City of Winnipeg has carried out mosquito control activities aimed at the reduction of nuisance and disease carrying mosquitoes since 1927. The Insect Control Branch has the responsibility for the control of several other major urban insect pests affecting public health or the property of the City and its citizens; however, mosquito control has always been its primary concern.

In recent years the City of Winnipeg has continued to demonstrate its leadership and significant progress in delivering an Integrated Pest Management Program, with major emphasis on environmentally friendly approaches. The strategies described in this report further enhance the delivery of the City's Green Agenda.

In 2002 a partnership was formed between the Province of Manitoba, the City of Winnipeg, and a number of Capital Region municipalities to enhance the City's mosquito larviciding efforts within a 6-10 km radius of Winnipeg. The Province of Manitoba and the surrounding Capital Region municipalities contributed $1 million annually toward this expanded program. This program will continue in 2004.

In May of 2003, Council passed the Mosquito Control By-law which included one year appointments of certain employees for the purpose of conducting mosquito inspection programs by public notice. *The Charter* provides that such appointments must be made by by-law and expire one year after they are made; it is therefore necessary for such appointments to be made annually.

DISCUSSION:

The 2003 *Mosquito Control Strategy – Blueprint for Action* was developed as a product of collaborative planning between the City of Winnipeg, the Province of Manitoba, and the Winnipeg Regional Health Authority and was approved by City Council in April 2003. Total costs of the 2003 Blueprint for Action were $674,853. The City of Winnipeg's portion of these costs totaled $209,519. The remaining $465,334 was recovered from the Province of Manitoba.

This years WNv Response Strategy proposes City of Winnipeg costs up to $197,500 plus Emergency WNv Adulticiding (fogging) costs if required.

This intergovernmental and interdepartmental response plan provided for a more coordinated and consistent approach to mosquito control that focused on enhanced environmentally friendly strategies. It also provided joint communication to the public that reinforced messages on what citizens could do to reduce sources of mosquito breeding and take personal protection measures.

Although West Nile Virus was first detected in Manitoba in the summer of 2002, last year (2003) was the first year that Manitoba had human cases of WNv. The total number of reported human West Nile Virus cases in Manitoba was 141; of these, 27 lived in Winnipeg. In 2003, West Nile Virus was determined to be a contributing factor in two deaths in Manitoba. Public health investigation of all cases indicated that although many of the individuals infected had a likely source of infection from travel outside the province, some were likely exposed to the virus in and around Winnipeg.

In the summer of 2003, mean temperatures were near or above normal but precipitation amounts were lower than normal. These weather conditions may have resulted in lower than normal mosquito breeding levels and nuisance mosquito numbers. Thus no fogging was required for the control of adult mosquitoes.

Inter-governmental Planning and Service Delivery - This report reflects this year's collaborative planning efforts between the Province of Manitoba and the City of Winnipeg to ensure an insect control strategy for 2004 that (a) reduces nuisance mosquitoes, and (b) reduces risk to the health of Winnipeg citizens from West Nile Virus.

The Province of Manitoba has indicated that contingency funding for larviciding and adulticiding in response to West Nile Virus will be provided on a 75% Provincial / 25% Municipal cost-sharing basis. In addition, this report describes a number of WNv control strategies that the Province will be contracting the City of Winnipeg to provide on a 100% cost-recovery basis.

Public Communication Strategies - Given the City of Winnipeg's commitment to clear and open communication with citizens, Insect Control Services continues to enhance its website and it's Bugline. The coordinated and joint messaging between the City and the Province will provide consistent and timely updates for citizens. Newspaper advertising as well as press releases and media updates will provide complementary messaging to the public.

In 2004, the *T.E.A.A.M. Initiative's* community-based students will spend more time connecting with citizens at community and group events to provide public education on how citizens can engage in proactive strategies to reduce mosquito breeding and use personal protection measures to reduce their risk from WNv.

Automated phone and email public notification system - In response to the concerns identified by individuals who require notification of pesticide use in the control of adult mosquitoes, this season Insect Control Services will be implementing a telephone and e-mail notification system. Individuals requesting notification will send a written letter to the Insect Control Branch which

will include their name, the date, the address of their principle residence, and one phone number at which they wish to be notified. Similarly if e-mail notification is requested, the individual must send their request from the actual e-mail address to which notification will be sent. Once registered, the applicant will receive daily phone or e-mail notification during any and all fogging for adult mosquito control. Notifications will identify areas of the City in which that day's fogging is intended. The City will continue its commitment made to citizens last year to provide a minimum notice of 8 hours before any fogging will take place.

Environmentally Friendly Products and Approaches – Last year's Blueprint for Action identified the need to establish research initiatives to provide advice relative to the most effective and environmentally sensitive mosquito control methods.

The City of Winnipeg is participating on the Health Canada National West Nile Virus Steering Committee and the newly established National Mosquito Surveillance & Control Subcommittee. The mandate of this subcommittee is to identify options for mosquito control, gaps in available products, priorities and rationale for development and access to alternative mosquito control products. Also connected to this National Subcommittee is an Expert Group here in Winnipeg. Building on the knowledge of the National Mosquito Surveillance & Control Subcommittee, this group will make recommendations and pursue licensing of alternative products on Winnipeg's behalf.

For 2004, another strategy that is aimed to further reduce the need for residential fogging is the use of portable fogging equipment, which the City will be able to access from the Province for use within Winnipeg. Should fogging be necessary, this will allow for increased fogging of large non-residential areas in an effort to reduce residential fogging.

T.E.A.A.M. Initiative **-** In 2003 the City of Winnipeg and Province of Manitoba jointly funded a community-based pilot project called Targeted Environmental Action Against Mosquitoes (T.E.A.A.M.). The project aimed to increase public education on West Nile Virus prevention activities and reduce sources of mosquito breeding in residential areas and personal protection techniques. Students were hired to visit homes in the Wolseley and Garden City neighbourhoods and conduct a communication survey, a door-to-door audit, and a backyard clean-up initiative that helped to eliminate potential mosquito breeding sites. The pilot project was formally evaluated by Acumen Research. Results of the evaluation indicated that:

- T.E.A.A.M. was well received in the two pilot neighbourhoods, perceived as being highly effective in improving knowledge of mosquito prevention and personal protection techniques, and was a widely used source of information by residents in the pilot neighbourhoods. Although residents reported changing their behavior to reduce sources of mosquito breeding, the yard re-inspections that were carried out did not support these findings. This is consistent with behaviour change theory that indicates that consistent and repeated messaging is required over time, as behaviour change is complex.

- The T.E.A.A.M Project was very useful to the City of Winnipeg in gathering data on public knowledge, preferred sources of information, attitudes and behavior with regards to personal protection measures and source reduction activities to reduce the risk of West Nile Virus infection. This information will be useful for structuring future public

communication campaigns around West Nile virus prevention. Throughout Winnipeg, the three most common sources cited for WNv prevention and source reduction information were television, newspaper and radio. In the pilot neighbourhoods, the residents identified the same three sources, however also identified the T.E.A.A.M project above other media as a source of information for improving knowledge and prompting behavior change.

- When inspecting yards, many different types of common yard features were identified as being capable of breeding mosquitoes. The majority of samples collected from yard features with identified mosquito breeding contained the Culex species larvae, the species of concern regarding the transmission of West Nile Virus.

The City of Winnipeg remains committed to including alternative approaches to reducing mosquito breeding-sites within its integrated pest-management strategy. Last year's project demonstrated that personal contact with residents is effective in increasing knowledge and prompting behavior change with respect to reducing potential breeding sites. This is only one component of an overall public education/communication strategy.

Last year's T.E.A.A.M. project was a concentrated pilot in two neighbourhoods. For 2004, selected components or activities of the project will be used to reach residents throughout Winnipeg.

- The focus of the project will continue to target strategies aimed at reducing potential sources of mosquito breeding within neighbourhoods. It will include:
    1. Yard audit and educational contact to a random selection of a minimum of 200 residential yards throughout Winnipeg for assessment of potential breeding sites
    2. Providing education information and a yard audit inspection at the request of the homeowner - City-wide basis
    3. Backyard cleanup assistance for the elderly and high needs individuals as identified by other property inspectors to reduce identified mosquito breeding sites
    4. Community and group education activities and events that will incorporate messaging regarding how to reduce mosquito breeding within your yard, based on the specific breeding sources identified during the yard assessments.

- This city-wide approach in 2004 will also allow insect control personnel to maintain updated knowledge on what are important breeding sites for mosquitoes in residential areas, how the specific sites may have changed depending on weather and other seasonal conditions, and thus how to specifically focus key messages to the general public on how they can best reduce sources of breeding.

- The project will continue to monitor whether public behavior is changing with respect to reducing standing water sites.

- This initiative will be staffed with 4 summer employment students for 14 weeks and will be supervised by the Insect Control Communications Assistant.

Summary:

This 2004 WNv Response Strategy once again ensures a comprehensive, responsible and environmentally sensitive approach aimed at nuisance control and protection of the public's health. As well, a number of the proposed strategies would be jointly funded between the Province of Manitoba and the City of Winnipeg, as indicated in the following chart. The funds proposed for several of the strategies are contingent upon the level of response that will be required for West Nile Virus, as the season progresses. Appropriate response levels will be implemented by the intergovernmental Regional Team with direction from Manitoba Health. The figures specified are maximum amounts that may be required.

Mosquito Control Plan – 2004

STRATEGY	COST	CITY FUNDING	PROVINCIAL FUNDING
• **CONTINUATION OF WEST NILE VIRUS REGIONAL PLANNING TEAMS** • In response to West Nile Virus, the Province of Manitoba continues to work through Regional Team structures that bring together: ▪ Manitoba Health ▪ Manitoba Conservation ▪ Manitoba Agriculture ▪ Manitoba Intergovernmental Affairs ▪ district representation from the Association of Manitoba Municipalities (AMM) ▪ Winnipeg Regional Health Authority (WRHA) ▪ City of Winnipeg • **One of the most active teams is dedicated to the City of Winnipeg,** including the municipalities of East and West St. Paul. • Purpose: to provide a structure and process required to coordinate and implement the regional and local West Nile Virus program operations in a way that involves shared responsibility with the municipalities, and addresses communications and information flow issues. • The updated Winnipeg West Nile Virus Response Planning Structure is attached as Appendix 1. • **Action by: Province of Manitoba / City of Winnipeg / Other Participants**		No additional cost	
• **PROVINCE OF MANITOBA - CENTRAL HEALTH OPERATIONS COORDINATION** • Manitoba Health continues to provide a Central Health Operations Coordination office to provide leadership, expertise and direction regarding West Nile Virus program policy, and manage provincial communications. An Entomologist has been retained by the Province as a member of this office. • **Action by: Province of Manitoba**		No additional cost	

STRATEGY	COST	CITY FUNDING	PROVINCIAL FUNDING
• **MOSQUITO SURVEILLANCE FOR NUISANCE MOSQUITOES** • All known mosquito-breeding sites will continue to be routinely surveyed. • Standing water sites will continue to be identified and mapped. • Larval samples will be taken to identify and quantify mosquito species. • Adult mosquito populations will be carefully monitored in and around Winnipeg, using a network of 20 standard New Jersey style mosquito light traps. • **Action by: City of Winnipeg**	No additional cost	Contained within 2004 budget	
• **TARGETED MOSQUITO SURVEILLANCE FOR WEST NILE VIRUS – Provincial Contract with City Within Winnipeg and Capital Region Municipalities** • The Province of Manitoba will contract with the City for a rigorous and inclusive program of surveillance, including the identification of sites, and mapping specifically for the Culex mosquito known to carry West Nile Virus in and around Winnipeg: ▪ Targeted larval sampling in selected mosquito breeding sites ▪ Adult mosquito trapping – sorting and identification • **Action by: Winnipeg Regional Team / City of Winnipeg**			This will be 100% recovered from the Province.
• **DEAD BIRD SURVEILLANCE PROGRAM FOR WEST NILE VIRUS – Provincial Contract with City** • In 2004, this surveillance will start earlier in the summer and end when a positive bird has been identified in each quadrant of the City. • **Action by: Winnipeg Regional Team / City of Winnipeg**		No cost	This will be 100% cost recovered from the Province.
• **LARVICIDING FOR NUISANCE MOSQUITOES** • Mosquito larviciding and source reduction are the most effective and environmentally acceptable methods of reducing the mosquito population. • Larviciding will be carried out throughout Winnipeg and within the 6-10 km radius as in past two years. • **Action by: Province of Manitoba / City of Winnipeg / 10 municipalities in the Capital Region**		Contained within 2004 budget.	$1 million has been provided to the City by the Province and surrounding municipalities for expanded larviciding within the Capital Region in 2004.

STRATEGY	COST	CITY FUNDING	PROVINCIAL FUNDING
• **TARGETED LARVICIDING FOR WEST NILE VIRUS WITHIN WINNIPEG** • **Purpose: To provide an enhanced, aggressive but environmentally friendly larviciding program that targets potential WNV breeding sites specifically; in an effort to avoid the use of adult mosquito control measures (fogging) whenever possible.** • 2004 Enhancements to include: ▪ Begin larviciding earlier in 2004 to aggressively target Culex mosquitoes that carries the virus ▪ Larvicide independent of rainfall to coincide with breeding habits of mosquitoes. ▪ Use of environmentally friendlier insecticides in accordance with City policy. • The Province of Manitoba has established contingency funds which are available to the municipality, based on a 75/25 cost sharing model, in the event of a West Nile Virus threat. • **Action by: Winnipeg Regional Team / City of Winnipeg**	Up to a maximum of $300,000	$75,000 (25%) REQUIRES COUNCIL APPROVAL CONTINGENT UPON PROVINCIAL COST-SHARING, WHICH IS AVAILABLE BASED UPON AN ASSESSED RISK TO HUMAN HEALTH FROM WEST NILE VIRUS	$225,000* (75%)
• **TARGETED LARVICIDING FOR WEST NILE VIRUS WITHIN CAPITAL REGION MUNICIPALITIES - Provincial Contract with City** • Purpose: To provide an enhanced, aggressive but environmentally friendly larviciding program that targets potential WNV breeding sites specifically within portions of the capital region municipalities as requested by the Province. • **Action by: Winnipeg Regional Team / Province of Manitoba / City of Winnipeg**			100% cost recovered from the Province
• **ADULTICIDING (FOGGING) FOR NUISANCE MOSQUITO CONTROL** • In 2003 no fogging was required related to weather conditions and effective larviciding efforts. • Adulticiding will be used as a last resort in the event that the combination/timing of environmental conditions (rain, warm temperatures) reduces the effectiveness of the larviciding measures. • Adulticiding will be undertaken, if necessary, to alleviate unacceptably high levels of nuisance mosquitoes. • According to Health Canada, Malathion remains the preferred insecticide for the control of adult mosquitoes, and will continue to be used for the purpose of the City of Winnipeg's adulticiding program. • When adulticiding for nuisance mosquitoes, the City of Winnipeg will continue to respect buffer zones. Concerned public can register with the Insect Control Branch either to ensure no fogging occurs within 100 metres of their personal residence and to receive phone or e-mail notification to allow them to take personal action to avoid potential exposure. • Enhanced communication will occur via news media, press releases, the Bug Line, and the Insect Control website (www.bugline.com) on a daily basis in order to keep the public well-informed as to the expected location of fogging. Public notifications will identify the area of the City where fogging is intended at least 8 hours in advance. • **Action by: City of Winnipeg** * ***Provincial contribution contingent on the level of response needed for West Nile Virus; not expected to exceed amount shown.***		Additional appropriation if adulticiding required, per City policy.	No cost

STRATEGY	COST	CITY FUNDING	PROVINCIAL FUNDING
• **EMERGENCY ADULTICIDING (FOGGING) FOR WEST NILE VIRUS WITHIN WINNIPEG** • In the event of a health emergency whereby the Province of Manitoba believes it to be in the best interests of public health protection, a ministerial order will be issued that will detail the requirements for the City Of Winnipeg to fog irrespective of buffer zones, and reduce the risk of WNV transmission. The extent and duration of fogging would be dependent on ongoing surveillance of virus activity and assessed levels of risk. • The funding required will be dependent on the defined geographic area directed by the Ministerial Health Order. • The Province of Manitoba has acquired portable fogging equipment which the City will be able to access for use. If fogging is necessary, this will allow for increased fogging of large non-residential areas in an effort to reduce residential fogging. • The Province of Manitoba has established contingency funds which will be available to the municipality, based on a 75/25 cost sharing model, in the event of a West Nile Virus threat. • **Action by: Winnipeg Regional Team / City of Winnipeg**	Up to $120,000 per round	Up to $30,000 per round (25%) REQUIRES COUNCIL APPROVAL CONTINGENT UPON PROVINCIAL COST-SHARING, WHICH IS AVAILABLE BASED UPON AN ASSESSED RISK TO HUMAN HEALTH FROM WEST NILE VIRUS	Up to $90,000* per round (75%)
• **IMPROVED PUBLIC EDUCATION AND COMMUNICATION** • Purpose: To ensure consistent, clear and timely public information and to develop joint communication plans with the Province of Manitoba. • Continuing operation of an intergovernmental communications sub-committee of the Regional Team including representation from Manitoba Health, City of Winnipeg, and the Winnipeg Regional Health Authority.			The Province will again be committing significant funds for public education regarding WNV
• Effective development of a coordinated intergovernmental communication strategy will include: ▪ Provision of comprehensive, accurate and timely information to citizens ▪ Development of educational pamphlets and other written materials ▪ Timely and accurate updates for the Bugline phone information and website ▪ Development and implementation of phone and e-mail notification systems for anti-pesticide registrants ▪ Media Request Management – schedules, prepares and coordinates regular news releases and briefings ▪ Development and production of educational resources and displays for community and group events ▪ Implementation of the TEAAM initiative • Insect Control Communications Assistant (seasonal) is essential to coordinate these strategies. • **Action by: Sub-Committee of Winnipeg Regional Team / Province of Manitoba / Winnipeg Regional Health Authority / City of Winnipeg**	$85,000	$85,000	

Provincial contribution contingent on the level of response needed for West Nile Virus; not expected to exceed amount shown.

STRATEGY	COST	CITY FUNDING	PROVINCIAL FUNDING
• **T.E.A.A.M. – Targeted Environmental Action Against Mosquitoes** • Purpose: A community-based initiative that engages Winnipeg citizens in environmentally friendly measures as a means to reduce mosquitoes in residential areas. This more general city-wide approach for 2004 will focus on strategies aimed at reducing potential sources of mosquito breeding within neighbourhoods. It will include: 1. Provision of yard audit and education to a minimum number of 200 residential properties randomly selected throughout Winnipeg for assessment of potential mosquito breeding sites 2. Provision of educational information and a yard audit inspection at the request of the homeowner - City-wide basis 3. Backyard cleanup assistance for the elderly and high needs individuals as identified by other property inspectors 4. Community and group education activities and events. • This project will be staffed with 4 summer employment students for 14 weeks and supervised by the Insect Control Communications Assistant. • **Action by: These initiatives will be facilitated by the Winnipeg Regional Team.**	$50,000	$37,500 (75%) REQUIRES COUNCIL APPROVAL. CONTINGENT UPON PROVINCIAL COST-SHARING.	$12,500 (25%)
• **EMERGENCY ADULTICIDING (FOGGING) FOR WEST NILE VIRUS WITHIN CAPITAL REGION AND OTHER SOUTHERN MANITOBA MUNICIPALITIES – Provincial Contract with City** • In the event of a health emergency whereby the Province of Manitoba believes it to be in the best interests of public health protection, the Province will contract the City to provide adulticiding activities within capital region and other southern Manitoba communities. • These activities are in response to urgent and critical circumstances. • **Action by: Province of Manitoba / Other Municipalities / City of Winnipeg**			This will be 100% cost recovered from the Province.

FINANCIAL IMPACT:

The funds for the following strategies are maximum amounts. Actual expenditures will be contingent upon the level of response that will be needed for West Nile Virus as the summer of 2004 progresses. Actual amounts spent will be processed after the fact through an additional appropriation.

- Targeted Larviciding for West Nile Virus within Winnipeg (total program $300,000 - $225,000 province / $75,000 City)
- Enhanced Public Education and Communication ($85,000 City)
- T.E.A.A.M. Initiative (estimated total program $50,000 - $12,500 Province / $37,500 City)
- **Emergency Adulticiding (Fogging) for West Nile Virus within Winnipeg (estimated total cost per round of $120,000 - $90,000 Province / $30,000 City per round, as required) not included in FIS**

Financial Impact Statement

Date: March 29, 2004

Project Name: **West Nile Virus Response Strategy - 2004**

First Year of Program: **2004**

	2004	2005	2006	2007	2008
Capital					
Capital Expenditures Required	$ -	$ -	$ -	$ -	$ -
Less: Existing Budgeted Costs	-	-	-	-	-
Additional Capital Budget Required	$ -	$ -	$ -	$ -	$ -
Funding Sources:					
Debt - Internal	$ -	$ -	$ -	$ -	$ -
Debt - External	-	-	-	-	-
Grants (Enter Description Here)	-	-	-	-	-
Reserves, Equity, Surplus	-	-	-	-	-
Other - Enter Description Here	-	-	-	-	-
Total Funding	$ -	$ -	$ -	$ -	$ -
Total Additional Capital Budget Required	$ -	$ -	$ -	$ -	$ -
Total Additional Debt Required	$ -	$ -	$ -	$ -	$ -
Current Expenditures/Revenues					
Direct Costs	$ 435,000	$ -	$ -	$ -	$ -
Less: Incremental Revenue/Recovery	237,500	-	-	-	-
Net Cost/(Benefit)	$ 197,500	$ -	$ -	$ -	$ -
Less: Existing Budget Amounts	-	-	-	-	-
Net Budget Adjustment Required	$ 197,500	$ -	$ -	$ -	$ -

Additional Comments: The funds for the following strategies are maximum amounts. Actual expenditures will be contingent upon the level of response that will be needed for West Nile Virus as the summer of 2004 progresses. Actual amounts spent will be processed after the fact through an additional appropriation.

-Targeted Larviciding for West Nile Virus within Winnipeg (Estimated total program $300,000 - $225,000 Province / $75,000 City)

-Enhanced Public Education and Communication ($85,000 City)

-T.E.A.A.M. Initiative (estimated total program $50,000 - $12,500 Province / 37,500 City)

-**Emergency Adulticiding (Fogging) for West Nile Virus within Winnipeg (estimated total program $120,000 - $90,000 province/$30,000 City per round, as required) not included in FIS**

C. Wightman, Manager
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IN PREPARING THIS REPORT THERE WAS CONSULTATION WITH, AND CONCURRENCY BY:

- Manitoba Health
- Manitoba Inter-governmental Affairs

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File No.

Appendix 1

Winnipeg West Nile Virus Response Planning Structure

