

7TH REPORT OF THE
TREES AND FORESTS ADVISORY COMMITTEE

Meeting held on August 24, 2011, commencing at 12:19 p.m.

PRESENT: B. Gilmore (Chair), Councillor J. L. Baechler, J. Galbraith, I. Kalsi, J. Kennedy, J. Ryan, D. Sheppard, and G. Sinclair and B. Mercier (Secretary).

ALSO PRESENT: I. Listar and R. Postma.

REGRETS: C. Benson and B. Shiel.

I YOUR COMMITTEE RECOMMENDS:

2012 Budget Development 1. (6) That the 2012 Budget allocation for the Trees and Forests Advisory Committee (TFAC) **BE INCREASED** by \$1,000.00 for a total allocation of \$2,005, to assist interested members to attend the 2012 Canadian Urban Forest Conference to be hosted by the City of London; it being noted that the requested increase will be for one year only and that the proposed registration fee for the Conference, will be approximately \$500.00 per person; it being further noted that the TFAC reviewed and received a communication, dated August 11, 2011, from B. Westlake-Power, Manager of Legislative Services, with respect to the 2012 Budget development for Advisory Committees.

II YOUR COMMITTEE REPORTS:

Revised Proposed Governance Structure 2. (5) That the Trees and Forests Advisory Committee (TFAC) reviewed and received a communication, dated June 10, 2011, from the City Clerk, with respect to the revised proposed governance structure.

Tree Watering Alert – Definition of Alert Conditions and Daily Precipitation in London 3. (8) That the Trees and Forests Advisory Committee (TFAC) reviewed and received a communication from D. Sheppard, with respect to the City’s tree watering alert, including a definition of alert conditions and graphs of the daily precipitation in London, and received the attached communication from R. Postma, Forestry Technologist, with respect to the tree watering alerts. The TFAC asked that D. Sheppard provide a revised definition of alert conditions, at the next TFAC meeting.

Upcoming Conferences and Symposiums 4. (Added) That the Trees and Forests Advisory Committee (TFAC) held a general discussion with respect to the various conferences and symposiums coming up in the near future; it being noted that the TFAC approved a maximum expenditure of up to \$500.00, per interested Member, from its 2011 Budget for registration and travel expenses to attend any of the following conferences:

- (a) the Ontario Urban Forest Council in partnership with the Toronto Botanical Garden symposium, entitled “Spreading Roots, Working Together To Protect Our Urban Trees”, to be held on November 3 to 5, 2011 at the Toronto Botanical Garden;
- (b) the A.D. Latornell Conservation Symposium, entitled “Water: The Future of the Source”, to be held on November 16 to 18, 2011 at the Nottawasaga Inn, Alliston, Ontario;
- (c) the Canadian Institute of Forestry, Canada’s Forest Conference 2011 to be held on September 18 to 21, 2011 in Huntsville, Ontario; and/or,
- (d) the Society of Municipal Arborists, International Urban Forestry Conference to be held September 25 to 28, 2011 at the Hyatt Regency in Milwaukee, Wisconsin;

it being noted that the TFAC has sufficient funds in its 2011 budget for this potential expenditure.

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- Celebrate the Trees in the Forest City 5. (Added) That the Trees and Forests Advisory Committee (TFAC) heard a verbal update and received the attached communication from J. Ryan, with respect to the London's Amazing Tree Quest, Celebrate the Trees in the Forest City event to be held on September 28, 2011 at Windermere Manor. The TFAC approved the expenditure of \$100.00 from its 2011 Budget allocation for the purchase of four tickets to the above-noted event; it being noted that the TFAC have sufficient funds in its 2011 Budget for this expense.
- Tree Planting Guidelines 6. (Added) That the Trees and Forests Advisory Committee (TFAC) held a general discussion with respect to the Tree Planting Guidelines, and asked Staff to provide an update on the proposed changes to the Guidelines, at its next meeting.
- EAB Strategy 7. (Added) That the Trees and Forests Advisory Committee (TFAC) heard a verbal update from I. Listar, Manager, Urban Forestry, with respect to the Emerald Ash Borer Strategy.
8. That the Trees and Forests Advisory Committee (TFAC) noted and filed the following:
- 5th and 6th Reports of the TFAC (a) (1) the 5th and 6th Reports of the Trees and Forests Advisory Committee from its meetings held on May 25, 2011 and June 22, 2011, respectively;
- TFAC – Glossary of Terms (b) (2) a Municipal Council resolution adopted at its meeting held on June 20, 2011 with respect to the TFAC's glossary of terms to be included in the orientation packages for the newly appointed TFAC membership;
- UFORE Report (c) (3) a Municipal Council resolution adopted at its meeting held on June 20, 2011 with respect to the Urban Forest Effects (UFORE) report;
- Canadian Urban Forest Conference (d) (4) a Municipal Council resolution adopted at its meeting held on May 31, 2011 with respect the City of London hosting the 2012 Canadian Urban Forest Conference; and,
- OPA #403 Supreme Court Decision (e) (7) a communication, dated June 9, 2011, from B. Bergsma, Ecologist Planner, with respect to the OPA #403 Supreme Court decision.
- Next Meeting 9. That the Trees and Forests Advisory Committee (TFAC) will hold its next meeting on September 28, 2011.

The meeting adjourned at 2:00 p.m.

CELEBRATE THE TREES

IN THE FOREST CITY



Wed. September 28th
5pm - 7pm

Join Us At:
Windermere Manor
200 Collip Circle
London, ON, N6G 4L4

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Adult: \$25 in advance
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Report on Tree Watering Alert for TFAC

Over the last 2 years, 2 Tree watering alerts (TWA) have been issued by the City during times of little rainfall and high temperatures. The last TWA was issued on July 13/2011 after 10 days of no rainfall and 18 days of little rainfall combined with unseasonably high temperatures. The TWA was cancelled days after a significant rainfall of 44mm of rain and a forecast of more rain and cooler temperatures. We did have some rainfall previous to this, but it was isolated and high temperatures remained so the TWA was not cancelled earlier. All rainfall statistics are based on the National Climate Data and Information Archive website:
http://www.climate.weatheroffice.gc.ca/Welcome_e.html

When the TWA was issued, a media release was issued and added to our website, along with notification on our social network sites Face book and Twitter. When the TWA was cancelled, another message was put up on our website thanking Londoners along with the same message on Face book and Twitter, but a formal media release was not issued.

Part of the confusion during this time has been when to cancel the TWA. The document above indicates that a TWA should be cancelled if we have a rainfall of greater than 5mm of rain or several days of light rain. The document above also states that a new tree requires 45 liters of water every 10-14 days. I feel that a mistake was made translating 45 liters of water to mm of rainfall. If 1 liter of water equals 1mm of rainfall, then 45 liters of water should equal 45 mm of rainfall. The above document should be corrected to indicate that a new tree needs 22 mm of rainfall a week or 50 mm of rainfall every 2 weeks. This means that a TWA would not be cancelled until a rain event of at least 22 mm of rain has taken place. The City of London website also indicates that new trees need at least 25 mm of rain per week which is what we based cancelling the TWA on. This correction should follow the rest of the document for deciding when to issue and cancel a TWA.

The following tables show the rainfall for 3 summer months for the last 6 years. As indicated, it is not uncommon to have 25 mm of rain in a week and any weeks falling below this amount of rainfall should be considered to be drought conditions and after 1.5 to 2 weeks without 50 mm of rainfall, a TWA should be issued. The table also indicates when the last TWA occurred and their duration, or approximate duration for last year.

Prepared by Rick Postma

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June	2006	2007	2008	2009	2010	2011
	<u>Total Precip</u>	<u>Total Precip</u>	<u>Total Precip</u>	<u>Total Precip</u>	<u>Total Precip</u>	<u>Total Precip</u>
	mm	mm	mm	mm	mm	mm
Sum	45.6	45.6	70.9	92.4	132.7	62.5
<u>1</u>	0	0.9	0	0	13.8	0
<u>2</u>	2.4	0	0	1.1	6.8	0
<u>3</u>	5.2	4	8.6	0	16.5	0
<u>4</u>	0.8	2	0	0	21.2	5.6
<u>5</u>	0	0	0	0	7.4	0
<u>6</u>	0	0.6	1	0	22.4	0
<u>7</u>	0	0	0	0	0	11.5
<u>8</u>	0	6.2	3.6	21.5	0	0
<u>9</u>	0	0	6.1	0	6.1	0
<u>10</u>	0	0.7	12.5	0	0	0
<u>11</u>	0	0.7	0	11.4	0	0
<u>12</u>	0	0	0	0	0	0
<u>13</u>	0	0.8	0	0	0	0
<u>14</u>	0	0	0	1.1	0	0
<u>15</u>	0	0	4.8	0	0	0
<u>16</u>	0	0	0	0	14.9	4.6
<u>17</u>	0	0	5.1	13.2	0	0
<u>18</u>	0	0	1	0	0	0
<u>19</u>	11.6	17.7	0	3.6	0	0
<u>20</u>	0	0.8	1.8	15	0	0
<u>21</u>	7.9	0	3.1	0	0	11.3
<u>22</u>	0	0	0	0	11.2	21.4
<u>23</u>	0	0.8	0	0	1.5	3.2
<u>24</u>	0	0.7	0	0	0	4.1
<u>25</u>	0	0	1.2	3.7	0	0.8
<u>26</u>	8.4	0	9.2	0	0	0
<u>27</u>	2.2	9.1	2.5	0	10.9	0
<u>28</u>	7.1	0	6.7	4.8	0	0
<u>29</u>	0	0.6	3.7	5.8	0	0
<u>30</u>	0	0	0	11.2	0	0

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July	2006	2007	2008	2009	2010	2011
	<u>Total Precip</u>					
	mm	mm	mm	mm	mm	mm
Sum	151.4	29.2	74.8	75.9	109.9	46.1
<u>1</u>	0	0	0	1.5	0	0
<u>2</u>	3.9	0	5.2	2.9	0	4.7
<u>3</u>	0	0	1	1.1	0	0
<u>4</u>	1.7	9.8	0	0	0	0
<u>5</u>	0	1.4	0	5.7	0	0
<u>6</u>	0	0	0	1	0	0
<u>7</u>	0	0.7	0	0	31.8	0
<u>8</u>	0	0	2.3	0	0	0
<u>9</u>	8.5	0.7	0	0	8.4	0
<u>10</u>	9	0.6	0	0	0	0
<u>11</u>	5.1	0	0	0	0	0
<u>12</u>	26.2	1.2	2	0	12	0
<u>13</u>	0	0.7	0	0	0	0
<u>14</u>	10.1	2.6	0	0	0	0
<u>15</u>	0	0.6	0	0	18.2	0
<u>16</u>	0	0.8	0	0	0	0
<u>17</u>	1.1	0.7	0	7.4	0	0
<u>18</u>	0	0	0	9	7.6	0
<u>19</u>	0	2.6	26.4	0	0	0
<u>20</u>	32.4	0	3.7	5.3	0	0
<u>21</u>	0	0.6	10.2	0	4.5	0
<u>22</u>	2.6	0.7	2.5	4.8	3.7	0
<u>23</u>	0.8	0.8	0	2.6	5	0
<u>24</u>	0	0.6	0	19.9	10.2	0
<u>25</u>	25.8	0	0	8.6	0	0
<u>26</u>	8.6	1	3.2	2.6	0	0
<u>27</u>	0	3.1	2.1	0	0	0
<u>28</u>	6.4	0	0	1.3	7.4	0
<u>29</u>	0.6	0	0	2.2	0	0
<u>30</u>	8.6	0	16.2	0	0	0
<u>31</u>	0	0	0	0	1.1	0

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August	2006	2007	2008	2009	2010	2011
	Total Precip	Total Precip	Total Precip	Total Precip	Total Precip	Total Precip
	mm	mm	mm	mm	mm	mm
Sum	67	83.3	60	94.7	39.5	51.8
<u>1</u>	0	0	18.9	0	0	
<u>2</u>	23	2.8	16.8	0		
<u>3</u>	7.2	0	1.2	0		
<u>4</u>	0	0.7	0	0		
<u>5</u>	0	1.3	0	0		
<u>6</u>	0	0	0	0		
<u>7</u>	0	29.7	0	0		
<u>8</u>	0	0	0	15.1		
<u>9</u>	0	2.7	6.1	20.3		
<u>10</u>	0	0.7	10.8	0		
<u>11</u>	0	0.6	0	7.5		
<u>12</u>	0	1.9	0	0		0
<u>13</u>	0	0.6	0	0		0
<u>14</u>	1.5	0	0	0		
<u>15</u>	0	0	M	0		
<u>16</u>	0	0	0	0		
<u>17</u>	0	0	0	0		
<u>18</u>	0	0.6	1.2	1.4		
<u>19</u>	11.3	1.6	0	0		
<u>20</u>	0.7	13.5	0	16.8		
<u>21</u>	0	0	0	0		
<u>22</u>	0	2.4	0	1.7	2.1	
<u>23</u>	0	5.9	0	0	0	
<u>24</u>	0.8	6	2.9	0	0	
<u>25</u>	6.4	11.6	0	0	0	
<u>26</u>	6.3	0	0	3.8	0	
<u>27</u>	3.4	0	0	0	0	
<u>28</u>	6.4	0	2.1	25	0	
<u>29</u>	0	0	0	0	0	
<u>30</u>	0	0	0	3.1	0	
<u>31</u>	0	0.7	0	0	0	