



The Regional Municipality of Durham

COUNCIL INFORMATION PACKAGE

September 23, 2016

Information Reports

- [2016-INFO-21](#) Commissioner of Planning and Economic Development – re: Monitoring of Durham Region Land Division Committee Decisions, Meeting of August 15, 2016
- [2016-INFO-22](#) Commissioner of Planning and Economic Development – re: Building Activity – January to June, 2016

Early Release Reports

There are no early Release Reports.

Staff Correspondence

1. [Memorandum from John Presta](#), Director, Environmental Services, regarding Region of Durham Water SCADA Project.

Durham Municipalities Correspondence

There is no Correspondence from Durham Municipalities.

Other Municipalities Correspondence/Resolutions (For Information)

There is no Correspondence/Resolutions from Other Municipalities.

Miscellaneous Correspondence (For Information)

1. [Association of Municipalities of Ontario \(AMO\)](#) e-mailing re: AMO Welcomes Formula Allocation for New Federal and Provincial Clean Water Funding.

Advisory Committee Minutes (For Information)

1. Durham Trail Coordinating Committee (DTCC) minutes – [September 8, 2016](#)
2. Durham Region Roundtable on Climate Change (DRRCC) minutes – [September 9, 2016](#)

3. Durham Nuclear Health Committee (DNHC) minutes – [September 16, 2016](#)

Action Items from Council (For Information Only)

Action Items from Committee of the Whole and Regional Council meetings – [click here](#)

Members of Council – Please advise the Regional Clerk at clerks@durham.ca by 9:00 AM on the Monday one week prior to the next regular Committee of the Whole meeting, if you wish to add an item from this CIP to the Committee of the Whole agenda.



The Regional Municipality of Durham Information Report

From: Commissioner of Planning and Economic Development
Report: #2016-INFO-21
Date: September 21, 2016

Subject:

Monitoring of Durham Region Land Division Committee Decisions, Meeting of August 15, 2016

Recommendation:

Receive for information

Report:

1. Overview

- 1.1 The Durham Region Land Division Committee considers and makes decisions on consent applications on behalf of Regional Council.
- 1.2 Attachment 1 summarizes decisions made by the Durham Region Land Division Committee at its meeting held on August 15, 2016. The approved applications all conform to the Durham Regional Official Plan.

2. Distribution

- 2.1 A copy of this report will be forwarded to the Land Division Committee for its information.

3. Attachments

Attachment #1: Monitoring Chart for the August 15, 2016 Meeting.

Respectfully submitted,

Original signed by

B.E. Bridgeman, MCIP, RPP
Commissioner of Planning and
Economic Development



Monitoring Of Land Division Committee Decisions For The Meeting Date of

Monday, August 15, 2016

Appeal Deadline: Tuesday, September 13, 2016

LD File Number	Owner	Location	Nature of Application	Regional Official Plan	LDC Decision
LD 031/2016	Baio, Vince Jarrar, Bernie	Part lot 32, Conc. BF City of Pickering	Consent to sever a 924.3 square metre residential lot with an existing dwelling, retaining a 925.3 square metre residential lot.	Does Not Conform	Denied UNANIMOUSLY
LD 070/2016	Gill, Dr. Jass	Part lot 16, Conc. 2 Municipality of Clarington (former Darlington)	Consent to grant an access easement over a 452.9 square metre vacant parcel of land, retaining a 2,916.4 square metre vacant parcel of land.	Conforms	APPROVED UNANIMOUSLY
LD 071/2016	Gosse, Ron	Part lot 15, Conc. 5 Twp. of Brock (former Thorah)	Consent to sever a 816 square metre vacant residential parcel of land, retaining a 3,700 square metre residential parcel of land with an existing dwelling.	Conforms	APPROVED UNANIMOUSLY
LD 072/2016	Gosse, Ron	Part lot 15, Conc. 5 Twp. of Brock (former Thorah)	Consent to sever a 1,535 square metre vacant residential parcel of land, retaining a 2,162 square metre residential parcel of land with an existing dwelling.	Conforms	APPROVED UNANIMOUSLY
LD 073/2016	Mandarello, Michael	Part lot 27, Conc. 1 City of Pickering	Consent to sever a 696.8 square metre residential lot, retaining a 696.8 square metre residential lot with an existing dwelling to be demolished.	Conforms	APPROVED
LD 074/2016	James, Bruce	Part lot 1, Conc. 1 City of Oshawa	Consent to add a 463 square metre vacant residential parcel of land to the south, retaining a 684 square metre residential lot with an existing dwelling.	Conforms	APPROVED UNANIMOUSLY
LD 075/2016	De Jong, B. & I.	Part lot 8, Conc. 6 Twp. of Scugog (former Cartwright)	Consent to sever a 0.48 hectare surplus farm dwelling, retaining a 52.52 hectare agricultural parcel of land to be added to the property to the east.	Conforms	APPROVED UNANIMOUSLY

LD File Number	Owner	Location	Nature of Application	Regional Official Plan	LDC Decision
LD 077/2016	Niro, John Niro, Filomena	Part lot 5, Conc. BF Town of Ajax	Consent to sever a vacant 442.6 square metre residential parcel of land, retaining a 491.7 square metre residential lot with an existing dwelling.	Conforms	APPROVED UNANIMOUSLY
LD 078/2016	Gallo, Cesare Ciancio, Jose	Part lot 32, Conc. BF City of Pickering	Consent to sever a 1,965 square metre residential lot, retaining a 1,967 square metre residential lot with an existing dwelling to be demolished.	Conforms	APPROVED UNANIMOUSLY
LD 080/2016	Van Roessel, Edith Van Roessel, Wilma	Part lot 22, Conc. 2 Town of Whitby	Consent to sever a 338.9 square metre vacant residential parcel of land, retaining a 671.1 square metre residential parcel of land with an existing dwelling to remain.	Conforms	APPROVED UNANIMOUSLY
LD 081/2016	Rutt, Gerald Rutt, Bessie	Part lot 22, Conc. 2 Town of Whitby	Consent to add a 338.7 square metre vacant residential parcel of land to the west, retaining a 671.1 square metre residential parcel of land with an existing dwelling to remain.	Conforms	APPROVED UNANIMOUSLY
LD 082/2016	Taylor, David Taylor, Sandra	Part lot 19, Conc. 6 Twp. of Scugog (former Reach)	Consent to add a 72.8 square metre vacant commercial parcel of land to the property to the north, retaining a 309 square metre vacant commercial parcel of land.	Conforms	APPROVED UNANIMOUSLY
LD 083/2016	Hvidston, J. Peter	Part lot 19, Conc. 5 Twp. of Scugog (former Reach)	Consent to grant a 77.8 square metre access easement in favour of the properties to the north and south, over a 658 square metre commercial lot.	Conforms	APPROVED UNANIMOUSLY
LD 085/2016	Lynde, John	Part lot 6, Conc. 10 Twp. of Scugog (former Reach)	Consent to add a 6,522.7 square metre vacant industrial parcel of land to the property to the west, retaining a 33,917.6 square metre industrial parcel of land with an existing structure.	Conforms	APPROVED UNANIMOUSLY
LD 086/2016	Lynde, John	Part lot 5, Conc. 10 Twp. of Scugog (former Reach)	Consent to add a 26,700.2 square metre vacant industrial parcel of land to the property to the east/south, retaining a 324,189.5 square metre industrial parcel of land with an existing structure.	Conforms	APPROVED UNANIMOUSLY

LD File Number	Owner	Location	Nature of Application	Regional Official Plan	LDC Decision
LD 087/2016	Lack, Phil Lack, Pamela	Part lot 23, Conc. 11 Twp. of Scugog (former Cartwright)	Consent to add a 115.51 square metre vacant rural residential parcel of land to the east, retaining a 529.34 square metre rural residential parcel of land with an existing dwelling to remain.	Conforms	APPROVED UNANIMOUSLY
LD 088/2016	Lack, Pamela	Part lot 23, Conc. 11 Twp. of Scugog (former Cartwright)	Consent to add a 11.55 square metre vacant rural residential parcel of land to the west, retaining a 333.38 square metre rural residential parcel of land with an existing dwelling to remain.	Conforms	APPROVED UNANIMOUSLY
LD 089/2016	Brown, Brian/Scott	Part lot 9, Conc. 9 Twp. of Brock	Consent to sever a 0.83 hectare non-farm rural residential lot with a surplus farm dwelling, retaining a 40.6 hectare agricultural parcel of land.	Conforms	APPROVED UNANIMOUSLY

End of Report



The Regional Municipality of Durham Information Report

From: Commissioner of Planning and Economic Development
Report: #2016-INFO-22
Date: September 16, 2016

Subject:

Building Activity – January to June, 2016, File: D03-02

Recommendation:

Receive for information

Report:

1. Purpose

1.1 This report summarizes building permit and construction activity for Durham Region and the Greater Toronto Area (GTA) for the period of January to June 2016, with comparisons to the same period in 2015.

2. Background

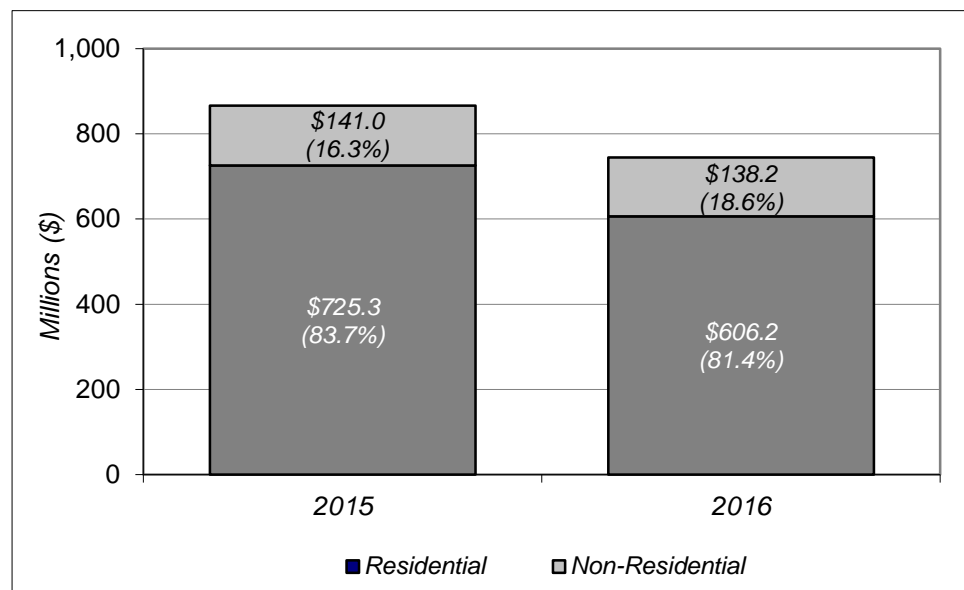
2.1 The Planning and Economic Development Department conducts on-going monitoring activities to assess the effectiveness of the Durham Regional Official Plan (ROP) and other Regional policies. Monitoring assists in identifying emerging issues and trends.

2.2 Building activity is monitored on an on-going basis as an indicator of regional housing and employment activity, the level of local investment and economic performance. The report also compares Durham's building activity with the other GTA municipalities. The appendices to this report provide a comprehensive source of data on residential construction activity including overall building activity from the start of the process (i.e. issuance of building permit), to the construction and ultimate sale of new residential units into the market.

3. Building Permit Activity in Durham

- 3.1 During the first half of this year, the total value of building permits issued in Durham declined by 14.1 per cent from \$866.3 million in 2015, to \$744.4 million in 2016 (Figure 1).

Figure 1
Total Building Permit Value by Residential and Non-Residential Sector
Durham Region, January to June 2014 and 2015



Residential Building Activity in Durham

- 3.2 Durham's residential building permit value in the first 6 months declined by 16.4 per cent from \$725.3 million in 2015, to \$606.2 million in 2016. Within Durham, Clarington (27.7% or \$167.8 million) had the greatest share followed by Oshawa (22.9% or \$138.8 million) and Whitby (16.3% or \$98.7 million) (refer to Attachment 1, Section 2).
- 3.3 The total number of permits issued for new residential units in Durham declined 10.5 per cent from 2,191 units in 2015, to 1,962 units in 2016. Single-detached homes accounted for the largest percentage of new housing units (41.8%). The share of apartments remained at 26.6 per cent. The majority of building permits issued for new residential units were located in Clarington (606 units), Oshawa (450 units), and Ajax (344 units) (refer to Attachment 1, Section 3).

Non-Residential Building Activity in Durham

- 3.4 In the first half of the year, non-residential building permit values declined by 2.0 per cent. The commercial sector accounted for the largest share of non-residential building permit value with 46.1 per cent (\$63.7 million), followed by the industrial sector with 17.0 per cent (\$23.5 million). Whitby accounted for the largest share of non-residential building permit activity during the first half of 2016 (25.6% or \$35.4 million), followed by Oshawa (25.4% or \$35.0 million) (refer to Attachment 1, Section 5).
- 3.5 Major non-residential construction projects initiated in Durham during the second quarter of 2016 included:
- a retirement residence in Uxbridge (\$15.7 million);
 - a new building at the Oshawa GO Station (\$10.5 million); and
 - a new commercial building on South Blair Street in Whitby (\$10.0 million).

4. Building Permit Activity in the GTA

- 4.1 In the first half of the year the total value of building permits issued (residential and non-residential) in the GTA declined by 16.6 per cent from \$9.6 billion in 2015, to \$8.0 billion in 2016. Toronto had the greatest share of GTA total value with 34.0 per cent, followed by York (27.5%), Peel (16.9%), Halton (12.3%) and Durham (9.3%). Halton (7.0%) and York (6.1%) were the only municipalities that experienced increases in building permit value (refer to Attachment 2, Section 2).

Residential Building Activity in the GTA

- 4.2 The total value of residential building permits in the GTA declined 6.1 per cent from \$5.7 billion in 2015, to \$5.3 billion in 2016. York Region accounted for the largest share of GTA residential building permit value with 34.6 per cent of the total. Durham's share of GTA residential building permit value declined from 12.7 per cent in 2015 to 11.3 per cent in 2016 (refer to Attachment 2, Section 3).
- 4.3 In the first half of 2016 there were 15,520 building permits issued for new residential units in the GTA, compared to 18,392 units in 2015, which represents a 15.6 per cent decline in permit activity. Apartments accounted for the greatest share of new units at 45.8 per cent, followed by single-detached dwellings at 31.9 per cent. York had the greatest share of new residential units (35.8%), followed by Toronto (26.0%), Peel (14.8%), Durham (12.6%), and Halton (10.7%) (refer to Attachment 2, Section 4).

Non-Residential Building Activity in the GTA

- 4.4 Approximately \$2.6 billion in non-residential building permits were issued in the GTA during the first half of this year, which represents a decline of 32.2 per cent over the same period last year (\$3.9 billion). Halton (6.8%) experienced the only increase in non-residential building permit value (refer to Attachment 2, Section 5 for further details).

5. Other Housing Indicators

Housing Starts and Completions

- 5.1 While monitoring the number of building permits issued for new residential units provides an excellent indication of short-term future development, monitoring construction activity provides an indication of what is currently occurring in the community.
- 5.2 There was an 11.3 per cent increase in the number of housing starts from 1,531 in the first half of 2015 to 1,704 in 2016. There was also an increase in the number of completions, from 1,119 to 1,393 (24.54%) (refer to Attachment 3, Section 1).

Housing Prices

- 5.3 For the half of the year, the average cost of a new single-detached dwelling in Durham Region increased 3.6 per cent from \$518,843 in 2015, to \$537,346 in 2016. Within the GTA, the average cost of a new single-detached dwelling increased in Regions of Peel (13.0%) and York (2.7%); while it decreased in the Halton (0.8%) and City of Toronto (6.9%) (refer to Attachment 4, Section 2).
- 5.4 The average price of a resale dwelling (all dwelling types) in Durham increased 17.1 per cent from \$438,198 in 2015, to \$512,912 in 2016. The number of resale homes sold in Durham increased 5.2 per cent from 6,403 in 2015 to 6,735 in the first half of 2016 (refer to Attachment 4, Section 3).

6. Conclusion

- 6.1 During first half of 2016, Durham's residential sector experienced a decline in the value of building permits (-16.4%) as well as a decline in the number of permits for new residential units (-10.5%).
- 6.2 Non-residential building permits also declined (-2.0%) compared to the first half of last year.

- 6.3 The GTA housing market will continue to moderate as mortgage carrying costs and home prices rise. “High house prices in neighbouring Toronto communities will mean more home buyers, particularly first-time buyers, will choose to take up residence in places like Oshawa City and Whitby.”¹
- 6.4 A copy of this report will be forwarded to the area municipalities for information.

7. Attachments

- Attachment #1: Building Permit Activity in Durham
- Attachment #2: Building Permit Activity in the Greater Toronto Area
- Attachment #3: Housing Market Supply of New Units in Durham
- Attachment #4: Housing Indicators

Respectfully submitted,

Original signed by

B.E. Bridgeman, MCIP, RPP
Commissioner of Planning and
Economic Development

Attachment 1
Building Permit Activity in Durham - January to June

Key Indicators	2015		2016		% change
	#	%	#	%	
1. Total value of building permits \$ millions)	866.3	100%	744.4	100%	-14.1
a) By area municipality:					
Ajax	96.6	11.1	106.4	14.3	10.1
Brock	6.5	0.7	5.8	0.8	-10.1
Clarington	193.0	22.3	177.3	23.8	-8.1
Oshawa	318.6	36.8	173.9	23.4	-45.4
Pickering	102.1	11.8	94.0	12.6	-7.9
Scugog	27.4	3.2	6.1	0.8	-77.8
Uxbridge	38.8	4.5	46.9	6.3	20.7
Whitby	83.3	9.6	134.1	18.0	61.0
b) By permit type (\$ millions):					
Residential	725.3	83.7	606.2	81.4	-16.4
Non-Residential	141.0	16.3	138.2	18.6	-2.0
2. Value of residential permits (\$ millions)	725.3	100%	606.2	100%	-16.4
a) By area municipality:					
Ajax	85.7	11.8	89.6	14.8	4.4
Brock	5.6	0.8	4.1	0.7	-28.2
Clarington	153.2	21.1	167.8	27.7	9.6
Oshawa	286.1	39.4	138.8	22.9	-51.5
Pickering	95.4	13.1	73.0	12.0	-23.4
Scugog	4.4	0.6	5.3	0.9	19.6
Uxbridge	35.6	4.9	29.0	4.8	-18.7
Whitby	59.2	8.2	98.7	16.3	66.7
b) By construction type:					
New residential units	695.0	95.8	570.2	94.1	-18.0
Renovations, additions and improvements	30.5	4.2	36.0	5.9	18.2

Note: All figures rounded.

Source: Durham Region Planning Division Building Permit Summaries.

Attachment 1
Building Permit Activity in Durham - January to June

Key Indicators	2015		2016		% Change
	#	%	#	%	
3. Permits issued for new residential units	2,191	100%	1,962	100%	-10.5
a) By unit type:					
Single	1,179	53.8	820	41.8	-30.4
Semi	131	6.0	81	4.1	-38.2
Row/Town	298	13.6	537	27.4	80.2
Apartment	583	26.6	521	26.6	-10.6
b) By area municipality:					
Ajax	230	10.5	344	17.5	49.6
Brock	12	0.5	6	0.3	-50.0
Clarington	549	25.1	606	30.9	10.4
Oshawa	828	37.8	450	22.9	-45.7
Pickering	308	14.1	158	8.1	-48.7
Scugog	6	0.3	6	0.3	0.0
Uxbridge	95	4.3	53	2.7	-44.2
Whitby	163	7.4	339	17.3	108.0
c) By urban/rural area:					
Urban	2,134	97.4	1,906	97.1	-10.7
Rural	57	2.6	53	2.7	-7.0
4. By average dwelling size (square feet):					
Singles	2,511		1,827		-27.2
Semis	1,855		2,599		40.1
Rows/Towns	1,743		1,619		-7.1
Apartments*	906		1,047		15.5

* Average apartment size excludes accessory apartments and retrofits.

Note: All figures rounded.

Source: Durham Region Planning Division Building Permit Summaries.

Attachment 1
Building Permit Activity in Durham - January to June

Key Indicators	2015		2016		% Change
	#	%	#	%	
5. Value of non-residential building permits (\$ millions)	141.0	100%	138.2	100%	-2.0
a) By sector:					
Commercial	32.5	23.1	63.7	46.1	95.8
Industrial	61.2	43.4	23.5	17.0	-61.7
Agricultural	5.0	3.5	3.0	2.2	-38.9
Institutional	39.3	27.9	27.4	19.9	-30.2
Governmental	3.0	2.1	20.6	14.9	595.0
b) By area municipality:					
Ajax	10.8	7.7	16.8	12.2	55.4
Brock	0.9	0.6	1.8	1.3	109.8
Clarington	39.9	28.3	9.5	6.9	-76.1
Oshawa	32.4	23.0	35.0	25.4	8.0
Pickering	6.7	4.8	21.0	15.2	212.2
Scugog	23.0	16.3	0.8	0.6	-96.5
Uxbridge	3.2	2.3	17.9	13.0	455.6
Whitby	24.1	17.1	35.4	25.6	46.8
c) Commercial, industrial, and agricultural sectors:	98.0	100.0	90.2	100.0	-8.0
Value Associated with New Construction	57.6	58.8	40.6	45.0	-29.6
Value of Renovations, Additions and Improvements	40.3	41.2	49.6	55.0	22.9
d) Institutional and governmental sectors:	43.0	100.0	48.0	100.0	11.7
Value Associated with New Construction	28.8	67.0	31.2	65.1	8.5
Value of Renovations, Additions and Improvements	14.2	33.0	16.8	34.9	18.1
6. Non-residential floorspace ('000 sq. ft)	581.3	100%	826.1	100%	42.1
a) By sector:					
Commercial	73.5	12.6	250.2	30.3	240.3
Industrial	265.9	45.7	316.7	38.3	19.1
Agricultural	173.4	29.8	96.7	11.7	-44.2
Institutional	67.0	11.5	104.8	12.7	56.4
Governmental	1.5	0.3	57.7	7.0	3720.8
b) By area municipality:					
Ajax	21.1	3.6	105.0	12.7	398.2
Brock	27.3	4.7	23.6	2.9	-13.7
Clarington	131.7	22.7	121.4	14.7	-7.9
Oshawa	133.1	22.9	81.0	9.8	-39.1
Pickering	0.5	0.1	76.4	9.2	15324.8
Scugog	52.2	9.0	37.8	4.6	-27.7
Uxbridge	41.1	7.1	116.5	14.1	183.7
Whitby	174.3	30.0	264.5	32.0	51.8

Note: All figures rounded.

Source: Durham Region Planning Division Building Permit Summaries.

Attachment 2
Building Permit Activity in the Greater Toronto Area (GTA) - January to June

Key Indicators	YTD June		Difference
	2015	2016	
1. Durham's Share of GTA Building Permit Activity (%):			
Total Value	9.1	9.3	0.3
Residential Value	12.7	11.3	-1.4
Residential Units	11.9	7.2	-4.7
Non-Residential Value	3.6	5.3	1.6

	YTD June		% Change	Share of GTA	
	2015	2016		YTD 2015	YTD 2016
2. Total Value of Building Permits Issued (\$ Millions)					
GTA	9,565.6	7,973.8	-16.6%	100.0%	100.0%
Durham	866.3	744.4	-14.1%	9.1%	9.3%
Halton	913.3	977.3	7.0%	9.5%	12.3%
Peel	1,830.7	1,348.6	-26.3%	19.1%	16.9%
Toronto	3,888.5	2,709.4	-30.3%	40.7%	34.0%
York	2,066.9	2,194.0	6.1%	21.6%	27.5%

3. Value of Residential Building Permit Activity (\$ Millions)					
GTA	5,696.4	5,349.8	-6.1%	100.0%	100.0%
Durham	725.3	606.2	-16.4%	12.7%	11.3%
Halton	466.2	499.7	7.2%	8.2%	9.3%
Peel	1,259.6	900.9	-28.5%	22.1%	16.8%
Toronto	1,704.5	1,490.3	-12.6%	29.9%	27.9%
York	1,540.8	1,852.7	20.2%	27.0%	34.6%

Note: This data may contain estimated values by Statistics Canada. As such, this data is subject to change.

Sources: Statistics Canada (Halton, Peel, Toronto, York) and Durham Region Planning Division (Durham).

Attachment 2
Building Permit Activity in the Greater Toronto Area (GTA) - January to June

Key Indicators	YTD June		% Change	Share of GTA	
	2015	2016		YTD 2015	YTD 2016
4. Permits Issued for New Residential Units By Type					
GTA	18,392	14,619	-20.5%	100.0%	100.0%
Single	6,041	4,668	-22.7%	32.8%	31.9%
Semi	785	1,021	30.1%	4.3%	7.0%
Town	2,975	2,343	-21.2%	16.2%	16.0%
Apartment	8,591	6,587	-23.3%	46.7%	45.1%
Durham	2,191	1,058	-51.7%	11.9%	7.2%
Single	1,179	537	-54.5%	19.5%	11.5%
Semi	131	521	297.7%	16.7%	51.0%
Town	298	0	-100.0%	10.0%	0.0%
Apartment	583	0	-100.0%	6.8%	0.0%
Halton	1,834	1,661	-9.4%	10.0%	11.4%
Single	358	329	-8.1%	5.9%	7.0%
Semi	1	48	4700.0%	0.1%	1.0%
Town	855	275	-67.8%	28.7%	11.7%
Apartment	620	1,009	62.7%	7.2%	15.3%
Peel	3,013	2,298	-23.7%	16.4%	15.7%
Single	1,732	1,070	-38.2%	28.7%	22.9%
Semi	485	281	-42.1%	61.8%	6.0%
Town	573	739	29.0%	19.3%	15.8%
Apartment	223	208	-6.7%	2.6%	4.5%
Toronto	6,584	4,041	-38.6%	35.8%	27.6%
Single	606	669	10.4%	10.0%	14.3%
Semi	19	26	36.8%	2.4%	2.5%
Town	375	285	-24.0%	12.6%	12.2%
Apartment	5,584	3,061	-45.2%	65.0%	46.5%
York	4,770	5,561	16.6%	25.9%	38.0%
Single	2,166	2,063	-4.8%	35.9%	44.2%
Semi	149	145	-2.7%	19.0%	14.2%
Town	874	1,044	19.5%	29.4%	44.6%
Apartment	1,581	2,309	46.0%	18.4%	35.1%

5. Value of Non-Residential Building Permit Activity (\$ Millions)

GTA	3,869.2	2,624.0	-32.2%	100.0%	100.0%
Durham	141.0	138.2	-2.0%	3.6%	5.3%
Halton	447.1	477.5	6.8%	11.6%	18.2%
Peel	571.1	447.7	-21.6%	14.8%	17.1%
Toronto	2,184.0	1,219.2	-44.2%	56.4%	46.5%
York	526.1	341.3	-35.1%	13.6%	13.0%

Note: This data may contain estimated values by Statistics Canada. As such, this data is subject to change.
Sources: Statistics Canada (Halton, Peel, Toronto, York) and Durham Region Planning Division (Durham).

Attachment 3
Housing Market Supply of New Units in Durham - January to June

Key Indicators	2015		2016		% change
	#	%	#	%	
1. Housing Supply					
a) Total Supply	3,696	100%	4,350	100%	17.7
Pending Starts	1,271	34.4	852	19.6	-33.0
Under Construction	2,387	64.6	3,466	79.7	45.2
Completed & Not Absorbed	38	1.0	32	0.7	-15.8
b) Starts	1,531		1,704		11.3
c) Completions	1,119		1,393		24.5
d) Absorbed	483		558		15.5
Key Indicators	2015		2016		% Change
	#	%	#	%	
2. Total Supply*					
a) By unit type:					
Single	1,726	46.7	1,604	36.9	-7.1
Semi	86	2.3	88	2.0	2.3
Row/Town	690	18.7	886	20.4	28.4
Apartment	1,194	32.3	1,772	40.7	48.4
b) By area municipality:					
Ajax	351	9.5	451	10.4	28.5
Brock	74	2.0	79	1.8	6.8
Clarington	747	20.2	1,336	30.7	78.8
Oshawa	1,541	41.7	1,346	30.9	-12.7
Pickering	424	11.5	352	8.1	-17.0
Scugog	43	1.2	31	0.7	-27.9
Uxbridge	150	4.1	142	3.3	-5.3
Whitby	366	9.9	613	14.1	67.5
3. Absorptions					
a) By unit type:					
Single	392	81.2	401	71.9	2.3
Semi	8	1.7	14	2.5	75.0
Row/Town	83	17.2	69	12.4	-16.9
Apartment	0	0.0	74	13.3	N/A
b) By area municipality:					
Ajax	168	34.8	51	9.1	-69.6
Brock	0	0.0	2	0.4	N/A
Clarington	113	23.4	134	24.0	18.6
Oshawa	102	21.1	220	39.4	115.7
Pickering	70	14.5	61	10.9	-12.9
Scugog	1	0.2	9	1.6	800.0
Uxbridge	3	0.6	17	3.0	466.7
Whitby	26	5.4	64	11.5	146.2

Attachment 4
Housing Indicators - January to June

	Key Indicators	YTD June		% Change
		2015	2016	
1.	Average Interest Rates¹			
	Conventional Mortgage Rates (%):			
	1 Year Term	2.89	3.14	8.7
	3 Year Term	3.39	3.39	0.0
	5 Year Term	4.64	4.64	0.0
	Bank Rate (%):	1.00	1.00	0.0
2.	Average Cost of a New Single Detached Dwelling²			
	Durham Region:	\$518,843	\$537,346	3.6
	Ajax	551,136	619,351	12.4
	Brock	--	--	--
	Clarington	437,463	497,807	13.8
	Oshawa	484,862	501,312	3.4
	Pickering	670,796	632,888	-5.7
	Scugog	--	--	--
	Uxbridge	--	477,943	--
	Whitby	584,219	607,280	3.9
	City of Toronto	2,011,085	1,872,620	-6.9
	York Region	947,707	972,857	2.7
	Peel Region	669,817	756,866	13.0
	Halton Region	938,175	930,257	-0.8
3.	Resale Housing Market in Durham³			
	Number of Sales	6,403	6,735	5.2
	Number of New Listings	8,936	8,452	-5.4
	Average Price (all dwelling types)	\$438,198	\$512,912	17.1

Sources: 1. Bank of Canada website: <http://www.bankofcanada.ca/rates/interest-rates/canadian-interest-rates/>
2. CMHC, Housing Now - Greater Toronto Area, June 2015/16.
3. Toronto Real Estate Board - Market Watch, January - June 2016. Prices Rounded.



Interoffice Memorandum

TO: Regional Chair and Members of Regional Council

FROM: John Presta, P.Eng., MPA
Director, Environmental Services

DATE: September 23, 2016

RE: Region of Durham Water SCADA Project

Further to your questions at the Committee of the Whole meeting on September 7, 2016, please find background information as requested:

The Region of Durham's Water Supply SCADA project was initiated in order to establish a robust and secure control system for the 14 existing water supply systems and 65 individual sites. The objectives and benefits of a fully integrated and modern control system in the Region's water supply plants are:

- 24 hour, seven day remote operator monitoring of every site
- Improved control system standardization, water system robustness, security and water safety
- More effective operational control and optimization of resources
- Enhanced business continuity and operational capabilities during emergencies
- Superior compliance monitoring, better data collection and reduced risk in Ontario's zero tolerance enforcement paradigms

The original budget allowance for the project was identified as \$16.5 million in 2009.

Westin Engineering was retained in June 2009, following a Request for Qualification and Request for Proposal process where 3 submissions were received out of the 4 prequalified engineering firms. Westin's assignment upset limit was \$3 million. The assignment included project management, detailed design, procurement document development, software programming and overall project coordination. The preliminary schedule would involve a 3 year time frame.

One of the main challenges to implement the water SCADA project is to provide a fully operable remote control system at each existing site without the complete record documentation of the full site conditions in terms of electrical panels, wiring, and equipment controls. In addition, the water supply system must continue to operate in compliance while the new system is being implemented.

One of the first tasks was to review if the data communication links using high speed data lines from telephone service providers could be used.

The review concluded that it was in the best interest of the system to review the feasibility for the Region establishing its own wireless Wide Area Network (WAN) in the pilot project area. This involved an additional cost of \$160,000 approved in June 2010.

The feasibility study concluded that the Region should establish a separate WAN for all water SCADA communications. It was estimated at the time that the Region would save approximately \$850,000 annually versus using a telephone company infrastructure which would cost more and be less reliable for service. As the project evolved, additional engineering was required which was not included in the original scope of work including: i) the establishment of the Region's wireless WAN, ii) the phasing of the project required additional time in order to address operational constraints at the existing systems, and iii) the collection and reporting of the historical Oracle database used by plant operations. This involved an additional cost of \$840,000 approved in February 2012.

The implementation of the WAN required additional engineering including site investigations, radio path studies, public consultation, project management and coordination with Durham Regional Police Service-DRPS Nextgen and other communication networks. Substantial effort was required for the Cities of Oshawa and Pickering and the Township of Uxbridge communication sites related to public consultation. This involved an additional cost of \$520,000 approved in May 2014.

The pilot project included the Bowmanville and Newcastle WSPs in order to ensure the software and hardware would be effective once the projected was implemented at the other water supply sites. The results of the pilot project identified challenges related to the GE web space product which involved additional time for trouble shooting for programming, documentation and commissioning. GE replaced all defective cards and provided a credit for trouble shooting. The pilot work resulted in a change in information technology architecture.

The construction of the WAN included 9 communication towers, 20 utility poles, 12 antennas, 11 antenna masts, 5 sunshades and 7 grounding systems with a construction value of \$6.3 million at 65 sites. The WAN project required full time contract administration based on the contractor's schedule utilizing 3 civil and 3 electrical construction crews in parallel in the east, north and south water service districts.

The additional cost related to the pilot project and the WAN construction was \$1,015,675 approved in June 2015. At this time the total SCADA project cost was identified as \$26.5 million. This is the project estimate as identified in the 2015 Servicing and Financing Study.

Based on heightened security issues within the North American and global environment, a project review was conducted in order to implement enhanced cyber security for the Region's proposed water supply SCADA system. In addition, based on the experience from plant operations staff on the pilot project and the requests for improvements under the Region's Drinking Water Quality Management System, a number of improvements were proposed which were both directly and indirectly related to the proposed SCADA project. This proposed work which is outside of the original scope of work requires additional engineering at a cost of \$1,625,000 which is part of the Committee of Whole Report #2016-COW-27. The report identifies a total project cost of \$28.7 million with a completion date planned for 2020 subject to all approvals.

In summary, the implementation of the water supply SCADA project has required additional effort and time from the original scope of work in 2009 for the project. The project planning and implementation was conducted in a staged approach in order to reduce the Region's operational and regulatory risk. Regional staff has reported on the project status and additional investment required for the water supply project when the pertinent project information was reviewed and analyzed.

As noted above the additional effort required to implement this information technology project includes:

- Establishment of Region's Wireless WAN
- Confirmation of on- site conditions
- Operational knowledge from pilot project
- Technology knowledge from pilot project
- Change in information technology architecture
- Operational improvements from Drinking Water Quality Management System
- Enhanced cyber security system
- Longer period of implementation time for all water supply sites

Regional staff has ensured that additional costs and project status reports have been presented to the appropriate Standing Committee and Council on a regular basis.

It is important to note that SCADA information technology for water utilities can be complex and costly. Although each project is not the same and the details are site specific, the following provides a sample of the quantity of investment required for similar type projects:

- City of Hamilton Water System - \$40 million (2013)
- Duffin Creek WPCP SCADA Upgrade - \$7 million (2006)
- Lemieux Island & Britannia Water Plants - \$3 million (2005)
- Oakville Water Plant- \$ 8 million (2005)

Should you have any questions or require additional information, please do not hesitate to contact me.

Original signed by

John Presta, P. Eng.
Director, Environmental Services

Cc: Susan Siopis, P.Eng.

SEP 14 2016 4:21:26

Original

To: CIP

Copy

To: <communicate@amo.on.ca>

10:

From: AMO Communications <communicate@amo.on.ca>
Sent: September-14-16 12:33 PM
To: Clerks
Subject: NEW FUNDING ANNOUNCEMENT

September 14, 2016

AMO Welcomes Formula Allocation for New Federal and Provincial Clean Water Funding

Today the Governments of Canada and Ontario announced the intake of Phase 1 Clean Water and Wastewater Fund (CWWF) projects. Funding will support all municipal governments and their respective water, wastewater or storm water projects. Federal and provincial funding for this program is \$840 million. With municipal contributions, this will provide more than \$1.1 billion to support projects. This reflects a 50-25-25 per cent contribution by federal, provincial and municipal governments.

As announced in the federal 2016 Budget, the Clean Water and Wastewater Fund (CWWF) provides about \$570 million to support the maintenance and state of good repair projects in Ontario. Federal funding can be used for up to 50 per cent of eligible projects. While projects are to be completed by March 2018, the federal Minister has the ability to accept some projects that are longer in length and the federal budget allocated 25% of the funds in 2019 to accommodate this possibility.

The Government of Ontario is providing about \$270 million in new funding as its contribution. In addition, for those recipients of the Ontario Community Infrastructure Fund (OCIF) will have the flexibility to use those monies toward the 25% municipal contribution of this Phase 1, CWWF.

Funding will be allocated to municipalities on a formula system based on their proportion of water, wastewater and stormwater infrastructure and economic conditions. The funding will also have a base component of \$50,000 federal and \$25,000 provincial funds to ensure an adequate level of funding for all municipalities. The intake process will capture project information to ensure eligibility requirements are met through a short provincial and federal approval process.

Allocation and key program information is being emailed by the Province to municipal governments with follow up letters to municipal CAOs, Clerks and Treasurers. Intake proposal deadline is October 31, 2016.

AMO Contact: Craig Reid, Senior Advisor, creid@amo.on.ca, 416-971-9856 ext. 334.

The Regional Municipality of Durham

Minutes

Durham Trail Co-ordinating Committee

September 8, 2016

A meeting of the Durham Trail Co-ordinating Committee was held on Thursday, September 8, 2016 in Room 1-B, Main Level, Regional Headquarters, 605 Rossland Road East, Whitby, at 7:00 PM.

Present: T. Clayton, Chair, Brock
J. Back, Local Councillor, Scugog
J. Ballinger, Regional Councillor, Uxbridge
S. Collier, Regional Councillor, Ajax, attended for part of the meeting
P. Davidson, Clarington
K. Jones, Vice Chair, Oshawa
G. Lodwick, Local Councillor, Brock
Joe Neal, Regional Councillor, Clarington, attended the meeting at 7:19 PM
D. Pickles, Regional Councillor, Pickering
I. McDougall, Scugog
C. Slaughter, Whitby
M. Weist, Ajax

Absent: D. Carter, Regional Councillor, Oshawa
D. Taylor, Uxbridge
S. Van Steen, Pickering

Staff

Present: S. McEleney, Planner, Planning and Economic Development Department
D. James, Committee Clerk, Corporate Services – Legislative Services

1. Adoption of Minutes

Moved by Councillor Ballinger,
That the minutes of the regular meeting of the Durham Trail Co-ordinating Committee held on June 2, 2016, be adopted.

CARRIED

2. Declarations of Interest

There were no declarations of interest.

3. Presentation

A) Keith Jones, Vice Chair and Oshawa Citizen Member, Re: Durham Trails Signage Update in Oshawa

K. Jones advised that the City of Oshawa has placed Durham Region Trail signs on The Waterfront Trail and the Joseph Kolodzie Oshawa Creek Bike Path.

K. Jones further advised that, in his opinion, new development in the northern Oshawa area lacks connectivity to trails. Discussion ensued with respect to the Durham Transportation Plan and trail development and the need for the Region to encourage local municipalities to build trails in new development. Concerns were also raised with respect to the Seaton Development and whether this development will connect to the Rouge Park. Staff was asked to invite staff from Rouge Park to an upcoming meeting to discuss the Seaton /Rouge Park trail connection.

B) Bruce MacDonald, Durham Region Cycling Coalition (DRCC) and John Fisher, Durham Mountain Bike Association (DMBA)

B. MacDonald provided a PowerPoint presentation on the Durham Region Cycling Coalition and the status of the TransCanada Trail through Durham Region.

Highlights of the presentation included:

- Who Are We?
- Our Mandate
- TransCanada Trail
- TransCanada Trail Map
- TransCanada Trail Map through the Durham Region
- TransCanada Trail - Ride the Trail for Elizabeth – Ed Aunger
- TransCanada Trail – Durham Region Portion – Identified Issues
- Our Findings for TransCanada Trail in Durham
- Pictures of the TransCanada Trail through the Ottawa Region
- Recap: Are we 91 km Operational?

B. MacDonald and J. Fisher responded to questions from the Committee.

Discussion ensued with respect to which level of government is responsible for the TransCanada Trail; the reasons why certain parts of the TransCanada Trail through Durham Region have 'dead ended'; and, whether these portions should be cleaned up or if a realignment of these portions of the trail would be more appropriate.

Moved by Councillor Joe Neal,
That we recommend to the Committee of the Whole for
approval and subsequent recommendation to Regional
Council:

That Council allocate from the 2017 General Budget, funds totalling
\$10,000, to be used at the discretion of the Durham Trail
Coordinating Committee for the maintenance of the TransCanada
Trail (which is supported by the Regional Trail Network) through the
Durham Region.

CARRIED

4. Discussion Items

There were no discussion items to be considered.

5. Information Item

There were no information items to be considered.

6. Other Business

A) Update on the Durham Walks the 150

J. Ballinger advised that the grant application for the Durham Walks
the 150 submitted to Canadian Heritage was not successful. He
thanked the members for their support and advised that a grant
application has been submitted to the Ontario 150 Community
Celebration Program to have the Township of Uxbridge Walk the
150 and host a Heritage Parade. He advised that he would keep the
members updated.

7. Next Meeting

The next regularly scheduled meeting of the Durham Trail
Coordinating Committee will be held on Thursday, December 1,
2016 in Room 1-B, Regional Headquarters Building, 605 Rossland
Road East, Whitby, at 7:00 PM.

8. Adjournment

Moved by Councillor Ballinger,
That the meeting be adjourned.

CARRIED

The meeting adjourned at 8:45 PM.

T. Clayton, Chair,
Durham Trail Coordinating
Committee

D. James, Committee Clerk

If this information is required in an accessible format, please contact 1-800-372-1102 ext. 2097.

The Regional Municipality of Durham

MINUTES

DURHAM REGION ROUNDTABLE ON CLIMATE CHANGE

September 9, 2016

A regular meeting of the Durham Region Roundtable on Climate Change was held on Friday, September 9, 2016 in Boardroom LL-C, Regional Municipality of Durham Headquarters, 605 Rossland Road East, Whitby at 1:02 PM

Present: R. Gauder, Citizen Member, Chair
M. Vroegh, Citizen Member, Vice-Chair
Councillor Ashe, Finance & Administration Committee
Councillor Ballinger, Works Committee, attended the meeting at 1:04 PM
G.H. Cubitt, Chief Administrative Officer, attended the meeting at 1:16 PM
Councillor Glead, Health and Social Services Committee
T. Hall, Citizen Member
E. Lacina, Citizen Member
H. Manns, Citizen Member
B. Neil, Citizen Member
Regional Chair Anderson

Also

Present: Councillor McQuaid-England

Alternates

Present: B. Bridgeman, Commissioner of Planning and Economic Development

Absent:

C. Caneo, Citizen Member
D. Gilbert, Citizen Member
D. Hoornweg, Citizen Member
Councillor Mitchell, Planning & Economic Development Committee
S. Moore, Citizen Member
J. Solly, Citizen Member

Staff

Present: B. Kelly, Manager of Sustainability, Office of the CAO
P. Reid, Director, Corporate Policy & Strategic Initiatives, Office of the CAO
D. James, Committee Clerk, Corporate Services – Legislative Services

1. Adoption of Minutes

Moved by Regional Chair Anderson,
That the minutes of the regular Durham Region Roundtable on
Climate Change meeting held on June 10, 2016, be adopted.
CARRIED

2. Declarations of Interest

There were no declarations of interest.

3. Proposed Community Climate Adaptation Plan

A) Brian Kelly, Manager of Sustainability, Durham Region, Community Climate
Adaptation Memorandum and Proposed Plan

B, Kelly, Manager of Sustainability, Durham Region, provided a PowerPoint Presentation with respect to the Proposed Community Climate Adaptation Plan. A copy of the presentation was provided to Committee members via email.

Highlights of the presentation included:

- Climate Lock In
- Adaptation and Mitigation
- Community Adaptation Plan Phasing and Schedule
- Vision and Goals
- Cross-Sectorial Program

Discussion ensued with respect to concerns that the implementation principles contained within the Community Climate Adaptation Plan could be adopted in principle by Regional Council with no cost implications attached to them and the affect these principles would have on the Regional budget; at what stage other regions are at, in this process and how the Region of Durham compares to them; and, the implications of being considered the 'leader in climate change adaptation' and whether this title could adversely affect potential government funding to the Region of Durham for climate change initiatives.

Staff was asked to co-ordinate with staff from the Economic Development Division to create a report on a positive marketing approach to promoting the Region of Durham to others as a leader in climate change adaptation; and, to bring this report to a future Committee of the Whole meeting.

Concerns were raised with respect to the proposed 4 week period for stakeholder comments and whether the 4 week timeframe would be sufficient. It was questioned whether the public is sufficiently informed of the effects of climate change on communities. Staff advised they would

investigate whether a marketing campaign utilizing Facebook ads linking to the Region of Durham's climate change webpage would be beneficial to help educate the public on the effects of climate change.

Staff was requested to include the following preamble in the Community Action Plan: "The Region of Durham would like to see these programs proceed in a phased and measured response."

Moved by Regional Chair Anderson,

- a) That the Community Climate Adaptation Plan be approved by the Durham Region Roundtable on Climate Change in principle;
- b) That a 4 week period from September 12 to October 11 be established for further stakeholder comments on the Plan;
- c) That the Durham Region Roundtable on Climate Change subsequently considers stakeholder comments as appropriate and recommends to the Committee of the Whole that the Community Climate Adaptation Plan, amended as necessary, be approved in principle; and
- d) That the Committee of the Whole recommends to Regional Council that this report be approved in principle and that it be referred to local municipal councils, electrical utilities, local conservation authorities and senior government agencies for their review and consideration.

CARRIED

4. Update on Durham Community Energy Plan

- A) Brian Kelly, Manager of Sustainability, Durham Region, Update on Durham Community Energy Plan

Copies of the Durham Community Energy Plan Invitation – Stakeholder Consultation #1 and the Stakeholder Consultation Brief #1 – Durham Community Energy Plan were provided as handouts.

B. Kelly advised that the invitation to the Stakeholder Consultation #1 has been submitted electronically to all stakeholders. He also invited the Committee members to attend and submit their comments.

5. Other Business

There was no other business to consider.

7. Date of Next Meeting

The next regular meeting of the Durham Region Roundtable on Climate Change will be held on Friday, October 14, 2016 starting at 1 PM in Room LL-C, Regional Headquarters Building, 605 Rossland Road East, Whitby.

8. Adjournment

Moved by Councillor Ballinger,
That the meeting be adjourned.
CARRIED

The meeting adjourned at 2:35 PM.

R. Gauder, Chair, Durham Region
Roundtable on Climate Change

D. James, Committee Clerk

DURHAM NUCLEAR HEALTH COMMITTEE (DNHC) MINUTES

Location

University of Ontario Institute of Technology (UOIT)
2000 Simcoe Street North, City of Oshawa
Meeting Room ERC 1058 in the Energy Research Centre Building

Date September 16, 2016

Time 1:00 PM

Host UOIT

Members

Dr. Robert Kyle, Durham Region Health Dept (DRHD) (Chair)
Ms. Mary-Anne Pietrusiak, DRHD
Mr. Ken Gorman DRHD (Presenter)
Dr. Tony Waker, UOIT (Presenter)
Mr. Raphael McCalla , Ontario Power Generation (OPG)
Mr. Loc Nguyen, OPG
Mr. Hardev Bains, Public Member
Mr. Marc Landry, Public Member
Ms. Janice Dusek, Public Member
Dr. Barry Neil, Public Member
Dr. John Hicks, Public Member
Dr. David Gorman, Public Member
Ms. Veena Lalman, Public Member
Dr. Lubna Nazneen, Alternate Public Member

Presenters/Observers

Mr. Brian Devitt (Secretary)
Ms. Jennifer Knox, OPG (Presenter)
Ms. Meg Timberg, OPG (Presenter)
Ms. Carol Chan, Haliburton, Kawartha, Pine Ridge Dist. Health Unit
Ms. Amy Burke, Municipality of Clarington
Ms. Theresa McClenaghan, Canadian Environmental Law Association
Ms. Pamela Khan, DRHD
Ms. Gail Cockburn, Durham Nuclear Awareness (DNA)
Ms. Renee Cotton, DNA
Ms. Lynn Jacklin, DNA
Ms. Lydia Skirko, Whitby Resident
Mr. A.J. Kehoe, Durham Region Resident

Regrets

Mr. Glenn Pringle, OPG
Mr. Phil Dunn, Ministry of Environment and Climate Change

Robert Kyle opened the meeting, welcomed everyone. Robert notified the DNHC that at approximately 2:00pm, he would be handing over the responsibilities of chairing the meeting to Ken Gorman because he had another meeting to attend.

Robert Kyle thanked Dr. Tony Waker for hosting the meeting today and for providing the tour of the research laboratories used by the Faculty of Energy Systems and Nuclear Science at UOIT before the meeting today for DNHC Members.

1. Approval of Agenda

The Revised Agenda was adopted.

2. Approval of Minutes

The Minutes of June 17, 2016 were adopted as written.

3. Correspondence

3.1 Robert Kyle's office received the approved minutes for the Pickering Nuclear Generating Station (NGS) Community Advisory Council meeting for May 2016.

3.2 Robert Kyle's office received the information release from Carrie- Anne Atkins, Manager, Corporate Relations and Communications, Pickering Nuclear that the Pickering NGS was nominated by the Canadian Nuclear Safety Commission (CNSC) to participate in an Operational Safety Review Team (OSART) mission in the fall 2016 dated June 22, 2016.

3.3 Robert Kyle's office received a response and explanation directed to Janet McNeill, DNA, prepared by Carrie-Anne Atkins, concerning a question raised by Janet in the June 17th DNHC meeting about the handling of used nuclear fuel waste in the irradiated fuel bay and later, when sufficiently cooled, placed into sealed dry storage containers routinely monitored by the CNSC and OPG dated June 30, 2016.

3.4 Robert Kyle's office received the news release from OPG concerning the Darlington Semi-Annual Performance Report about the Refurbishment Project dated August 2016.

3.5 Robert Kyle's office received an information release from Carrie-Anne Atkins concerning scheduled fall Pickering Nuclear Community Information Sessions involving staff from OPG, CNSC, Durham Region, City of Toronto Emergency Management Office (TEMO) and the Office of the Fire Marshal and Emergency Management (OFMEM) from 5:00 to 9:00pm on October 19, 20, 26 and 27th at

various locations in the Town of Ajax, City of Pickering and the City of Toronto dated September 9, 2016.

3.6 Robert Kyle's office received a letter from the Canadian Nuclear Laboratories that the CNSC, the regulator for the Port Hope and Port Granby Projects, will hold a public meeting in November 2016 to receive an update on the Port Hope Area Initiative. The meeting date in November has not been set by the CNSC but anyone wanting to provide a written or oral presentation must notify the CNSC by October 3rd. The letter to Robert Kyle was dated September 9, 2016.

4. Presentations

4.1 Progress Report by OPG concerning the Darlington Refurbishment Project

Meg Timberg, Vice President, Nuclear Projects, OPG, provided an update on the Darlington Refurbishment Project.

Meg reviewed the reasons Darlington needs to be refurbished that included:

- All CANDU reactors are designed to require a mid-life refurbishment after approximately 30 years of operation.
- There are several economic reasons to support refurbishment that includes:
 - Darlington is a world class high performing NGS that is a major asset.
 - Refurbishment will secure 3,500 megawatts of affordable, reliable and clean, greenhouse gases (GHGs) free base-load energy.
 - Refurbishment will help moderate electricity prices.
 - The nuclear industry will be strengthened to support the Ontario-wide effort.
 - There will be significant economic benefits including long-term employment opportunities.

Meg provided a list of benefits of the Project that includes:

- Maintains the Province's ability to assist in moderating electricity prices.
- Increases Ontario's GDP by \$15 billion, boosts employment by 8,800 jobs during the Project, retains long-term jobs for an additional 30 years and keeps tax dollars and net income in Ontario.
- Maintains a low carbon footprint by avoiding 330 million tonnes of greenhouse gases compared to replacement with natural gas.
- Maintains nuclear as an important element of a clean and balanced approach to Ontario's power generation.

Meg provided 10 simplified steps in the Project and scheduling that included:

1. Shutdown the reactor
2. Remove all fuel/heavy water
3. Island the Unit
4. Set-up platforms and tools

5. Remove tubes/feeder pipes
6. Replace pipes/tubes
7. Refurbish major components
8. Place new fuel in the reactor
9. Return heavy water to reactor
10. Return reactor to service

Meg explained that during the Project, many other systems and equipment will be overhauled when the reactor is shutdown. After 9 years of extensive planning by OPG, the schedule for the Project will include:

- Each Unit will require 37 to 40 months for completion.
- All 4 Units will take 112 months but OPG will pursue more aggressive internal targets.
- Funding will be released in phases and there will be opportunities to change course if necessary.
- The Project will be completed in March 2026.

Meg outlined the major preparations that have been made to commence refurbishment that included:

- The Board of Directors has approved funding to execute Unit 2.
- Unit 2 execution schedule is being finalized.
- Regulatory approvals are in place.
- The overall cost for all 4 Units is \$12.8 billion.
- The oversight for planning and preparation for refurbishment has been industry leading but now it is time to shift from planning mindset to executing the Project.
- The training of workers in the Reactor Mock-up Facility will continue.
- Parts and materials are on hand.
- The final integrated schedule reviews are underway.
- The planned start date of the Project is October 15, 2016.

Meg listed the Darlington Nuclear Site Improvements needed for the Project to be completed by December 2018 that included:

- Safety and Improvement Projects
 - Third emergency power generator
 - Containment filtered venting system
 - Power house steam venting system – completed
 - Shield tank overpressure protection
 - Fire water and emergency cooling - completed
- Refurbishment Projects
 - Darlington Energy Complex – completed
 - Re-tube and feeder replacement island support annex – completed
 - Refurbishment project office – completed
 - Heavy water storage
 - Retube waste processing building
 - Retube waste storage building

- Site Infrastructure Projects
 - Operations support building refurbishment – completed
 - Vehicle screening facility – completed
 - Holt Road interchange improvements – completed
 - Electrical power distribution – completed
 - Auxiliary heating system – completed
 - Water and sewer – completed
 - Used fuel dry storage building - completed

Meg highlighted the progress being made on the Facility and Safety Initiatives includes:

- The third emergency power generator is nearing completion and plans are underway to start Commissioning activities.
- The Containment and Filtered Venting System is near completion and preparation plans are underway to start Commissioning activities.
- The Heavy Water Storage works is in progress with all tanks in place.
- The Re-tube Waste Processing Plant Building is underway with the steel superstructure being constructed.
- The Re-tube Waste Storage Building is on schedule with structural steel completed and exterior cladding underway.

Meg's summary comments were that the Darlington Refurbishment Project is ready to proceed on October 15th with no compromise in safety to its workers or the community.

Meg Timberg or her associates will continue to keep the DNHC updated on the Darlington Refurbishment Project. More information can be accessed at [OPG Darlington Refurb](#). The slides Meg used in her presentation are available for review on the DNHC website at durham.ca/dnhc.

4.2 Progress Report by DRHD on the Sustainability of the Distribution of Potassium Iodide (KI) Pills in Durham Region

Ken Gorman, Director, Environmental Health, DRHD, provided an update on the KI Distribution Plan for Pickering and Darlington NGSs.

Ken provided statistical information on the distribution of KI pills that included:

- In 2012 to 2015, the DRHD managed and delivered 238,000 KI pills by agreement to many community institutions including child care centres, school boards, private schools, health care facilities, long-term care homes, emergency services, pharmacies and other government agencies. The expiry date for the pills distributed is 2019 and the DRHD will collect and re-issue the pills in 2018.
- In 2015, approximately 200,000 blister packs of 20 pills were mailed out in the Primary Zones or 10 km around Pickering and Darlington NGSs to a daytime population of 370,000 and 13,000 orders were filled from on-line requests.

- In 2016, approximately 1,400 blister packs of 20 pills were mailed out and 5,000 new orders were received on-line.

Ken explained that a 2016 Draft Sustainability Plan for the on-going distribution of KI pills is being developed with the partnership of Durham Region, OPG, TEMO and OFMEM. The draft plan components will include:

- Context, Background and Distribution
- Purpose and Regulatory Guidance
- Scope and concepts of Operations
- Appendices

Ken provided some details of the Draft Sustainability Plan that has been implemented:

- The preparetobesafe.ca website will continue to be maintained and operated by OPG and the website has been enhanced to include general information on KI pills and how to order pills.
- Residents, businesses etc. can order KI pills on-line using a simple form.
- The DRHD will continue to coordinate the distribution of KI pills to community institutions like it has for many years.
- The 5 independent pharmacies in Durham Region will continue to provide KI pills to the public on request as a community service.
- New addresses will be provided by Canada Post to the agency managing the distribution on behalf of OPG 3 times per year and blister packs will be mailed out the second week of January, May and September along with any additional website orders.

Ken explained that a Communication Plan is also underway and will include:

- Awareness campaigns three times per year in January, May and September using the media, ads etc.
- The information provided will be for both the broad community plus a targeted approach to new residents and businesses moving into the Primary Zones of Pickering and Darlington NGSs.
- The City of Toronto will still use its 311 telephone line to provide information to the public.
- The DRHD will still use its Environmental Help Line at 1-888-777-9613 to provide information to the public on KI pills and assist with ordering pills as needed.

Ken mentioned that Pickering Nuclear will be hosting a series of Community Information Sessions to provide information on their NGS including KI pill distribution. These sessions will be staffed by OPG, CNSC, Durham Region, TEMO and OFMEM. The sessions will be from 5:00 to 9:00pm with a presentation at 7:00pm on the following dates and locations:

Wednesday, October 19th at Toronto Pan Am Sports Centre
875 Morningside Avenue, Toronto, ON

Thursday, October 20th at the Pickering Recreational Centre
1867 Valley Farm Road, Pickering, ON

Wednesday, October 26th at the McLean Community Centre
95 Magill Drive, Ajax, ON

Thursday, October 27th at the Pickering Nuclear Information Centre
1675 Montgomery Park Road, Pickering ON

Ken Gorman or his associates will keep the DNHC updated on the progress of the KI Pill Distribution Plan for Pickering and Darlington NGSs. The slides Ken used in his presentation are available for review on the DNHC website at durham.ca/dnhc.

4.3 Progress Report by UOIT on the Faculty of Energy Systems and Nuclear Science

Dr. Tony Waker, Professor, UOIT, provided a progress report on the educational and research activities in the Faculty of Energy Systems and Nuclear Science at UOIT. The highlights of Tony's presentation were:

- The 2016-17 Undergraduate Programs and student enrolments are:
 - Bachelor of Nuclear Engineering – 80 students
 - Bachelor of Engineering in Energy Systems Engineering – 0
 - Bachelor of Applied Science in Nuclear Power – 0
 - Bachelor of Science in Health Physics & Radiation Science – 8
 - Bachelor of Energy Systems Engineering & Management – 0
 - Bachelor of Nuclear Power Bridge Program - 0
- The Graduate Programs and student enrolment are:
 - Graduate Diploma in Nuclear Technology – 100 students
 - Master of Engineering (MEng) – 18
 - Master of Applied Science (MAsc) – 19
 - Doctor of Philosophy (PhD) - 19
- UOIT also offers an extensive Internship Program to help introduce young scientists and engineers to the nuclear industry and workplaces. The program partners with many companies including: OPG, CNSC, Bruce Power, SNC Lavalin, Canadian Nuclear Laboratories, Corrosion Services, Proctor and Gamble and Kinectrics In 2016, 6 Co-op and 22 Intern students were involved in the Internship Program at UOIT.

Tony provided some technical information on research projects that he and his associates were working on with their students in well-equipped nuclear laboratories at UOIT.

Tony mentioned his associate at UOIT, Dr. Waller, Professor, is currently on a research leave at the International Atomic Energy Agency (IAEA) in Vienna, Austria, participating in IAEA and United Nations (UN) activities including:

- United Nations Scientific Committee on the Effects of Atomic Radiations (UNSCEAR)
- Chair of an expert group on the discharge methodology and dose from electricity generation
- Nuclear security education and exercises
- Emergency preparedness and response training performance indicators

Dr. Tony Waker will update the DNHC next year on the progress of the Faculty of Energy Systems and Nuclear Science at UOIT. More information can be accessed by contacting nuclear.uoit or anthony.waker@uoit.ca. The slides Tony used are available for review on the DNHC website at durham.ca/dnhc.

5. Communications

5.1 Community Issues at Pickering Nuclear

Jennifer Knox, Manager, Public Affairs, Darlington Nuclear, OPG, provided an update on Community Issues at Pickering Nuclear and the highlights were:

- Pickering Units 1, 4, 5, 6 and 8 are operating at or close to full power.
- Pickering Unit 7 is in a planned maintenance outage.
- Pickering employees have worked 391 days without a lost-time injury.
- During July and August, Pickering hosted 'The Tuesdays on the Trail Program' involving many community partners who participating by providing educational and environmental programs for approximately 2,000 individuals.
- In August, Pickering Nuclear received its 2015 CNSC safety and performance report card with its best ever rating of 'Fully Satisfactory'.
- September 24th, Pickering will be partnering with the City of Pickering and the Toronto and Region Conservation Authority planting trees, shrubs and native wild flowers in the Alex Robertson Park adjacent to the Pickering NGS.
- In October, the Pickering Neighbours Newsletter will be distributed.
- In October, Pickering will host a series of Community Information Sessions that are open to the public from 5:00 to 9:00pm and at 7:00pm there will be a presentation given by CNSC and OPG followed by a questions and answers session. The scheduled meetings dates and locations are:

Wednesday, October 19th at the Toronto Pan Am Sports Centre
875 Morningside Ave, Toronto, ON

Thursday, October 20th at the Pickering Recreational Centre
1867 Valley Farm Road, Pickering, ON

Wednesday, October 26th at the McLean Community Centre
95 Magill Drive, Ajax, ON

Thursday, October 27th at the OPG Pickering Information Centre

1675 Montgomery Park Road, Pickering ON

Carrie-Anne Atkins, Manager, Corporate Relations and Communications, Pickering Nuclear, OPG, can be reached at (905) 839-1151 extension 7919 or by e-mail at carrie-anne.atkins@opg.com for more information.

5.2 Community Issues at Darlington Nuclear

Jennifer Knox, Manager, Public Affairs, Darlington Nuclear, OPG, provided an update on the Community Issues at Darlington Nuclear and the highlights were:

- Darlington Units 1, 2 and 4 are operating at close to full power and Unit 3 is in a planned maintenance outage.
- Darlington employees have worked 101 days without a lost-time injury.
- During July and August, Darlington hosted 'The Tuesdays on the Trail Program' involving many community partners who participated by providing educational and environmental programs for approximately 2,000 individuals.
- In August, Darlington Nuclear received its 2015 CNSC safety and performance report card with 'Fully Satisfactory' for the 7th year in a row.
- In October, the Darlington Neighbours Newsletter will be distributed.
- On October 15th, Darlington is planning to have a 'Community Open House' and an invitation to DNHC Members will be issued when details are finalized.

Jennifer Knox, Manager, Public Affairs Darlington Nuclear, OPG, can be reached at (905) 697-7443 or by e-mail at jennifer.knox@opg.com for more information.

6. Other Business

6.1 Topics Inventory Update

Brian Devitt indicated the Topics Inventory will be revised to include the presentations made today.

6.2 Future Topics for the DNHC to Consider

Brian Devitt indicated the theme of the next DNHC meeting scheduled for November 4, 2016 will be *Progress Reports* by the CNSC and the Port Hope Area Initiative Management Office (PHAI MO) that may include:

- Progress reports by CNSC on the 2015 Safety and Performance at Pickering and Darlington NGSS
- Progress report by OPG on the results of the 2015 Groundwater Monitoring Program at Pickering and Darlington NGSS
- Progress report by the PHAI MO on the Port Granby Project

- Report by the Municipality of Clarington on the proposed Port Granby Nature Reserve

6.3 Change of Date for the November DNHC Meeting

Brian Devitt indicated that the DNHC meeting scheduled for November 18th has been changed to November 4th and will be held at the Durham Regional Headquarters, 605 Rossland Road East, Whitby in Meeting Room LL-C.

6.4 Scheduled DNHC Meeting in 2017

Brian Devitt suggested the DNHC Members and Observers make note of the following DNHC meeting dates for 2017.

January 20th hosted by DRHD at Regional HQ in Meeting LL-C
 April 21st hosted by DRHD at Regional HQ in Meeting Room LL-C
 June 16th hosted by DRHD at Regional HQ in Meeting Room LL-C
 September 15th hosted by UOIT in Meeting Room TBD
 November 17th hosted by DRHD at Regional HQ in Meeting Room LL-C

7. Next Meeting

Location	Durham Regional Headquarters, 605 Rossland Road East, Whitby Meeting Room LL-C
Date	November 4, 2016
Time	12:00 PM Lunch served 1:00 PM Meeting begins
Host	DRHD

8. Adjournment 4:20 PM.

Action Items Committee of the Whole and Regional Council

Meeting Date	Request	Assigned Department(s)	Anticipated Response Date
September 7, 2016 Committee of the Whole	Staff requested to provide a report outlining how the \$100,000 in additional child poverty funds is being allocated.	Social Services	October 5, 2016
September 7, 2016 Committee of the Whole	Councillor Diamond questioned when the report regarding speeding on Liberty Street in Bowmanville will be brought to Committee of the Whole. Staff advised a report would be considered at the October 5 th Committee of the Whole meeting.	Works	October 5, 2016
September 7, 2016 Committee of the Whole	Business Case for Projects Managed Directly by the Region – Increasing the number of projects which are managed directly by the Region, whether through employees or contracted staff – referred to the 2017 budget process.	Works	2017 Budget Process
September 7, 2016 Committee of the Whole	It was requested that a copy of Ms. Gasser's delegation questions be referred to staff and that a report be presented to the Committee of the Whole with answers to Ms. Gasser's concerns.	Works	October 5, 2016
September 7, 2016 Committee of the Whole	Staff was requested to provide a report on the correspondence from the City of Pickering with respect to the Notice of Motion adopted at their Council meeting held on June 27, 2016, re: residential tax relief to eligible low income seniors and low income disabled persons (Pulled from August 19, 2016 Council Information Package)	Finance & Administration	

Meeting Date	Request	Assigned Department(s)	Anticipated Response Date
September 7, 2016 Committee of the Whole	Staff was requested to provide information on the possibility of an educational campaign designed to encourage people to sign up for subsidized housing at the next Committee of the Whole meeting. (Region of Durham's Program Delivery and Fiscal Plan for the 2016 Social Infrastructure Fund Program) (2016-COW-19)	Finance & Administration	October 5, 2016
September 7, 2016 Committee of the Whole	Section 7 of Attachment #1 to Report #2016-COW-31, Draft Procedural By-law, as it relates to Appointment of Committees was referred back to staff to review the appointment process.	Finance & Administration	