

The Regional Municipality of Durham COUNCIL INFORMATION PACKAGE September 29, 2022

Information Reports

- 2022-INFO-80 Commissioner of Planning and Economic Development re: 2021 Census of Population – Language (Release 4)
- 2022-INFO-81 Commissioner and Medical Officer of Health re: Durham Region Health Department 2021 Health Check Up!

Early Release Reports

There are no Early Release Reports

Staff Correspondence

There is no Staff Correspondence

Durham Municipalities Correspondence

There are no Durham Municipalities Correspondence

Other Municipalities Correspondence/Resolutions

- 1. Municipality of Brighton re: Resolution passed at their Council meeting held on September 21, 2022, requesting support for streamlining governing legislation for Physicians in Ontario
- 2. Township of Tay Valley re: Resolution passed at their Council meeting held on August 23, 2022, regarding Ontario Wildlife Damage Compensation Program Administrative Fee

Miscellaneous Correspondence

- 1. Durham District School Board (DDSB) re: Letter dated September 22, 2022, to the Ministry of the Solicitor General to request that the Government of Ontario undertake a review of the Amber Alert program criteria, broadening the scope to include missing and at-risk vulnerable persons
- 2. Wendy Bracken, Clarington Resident re: Comments on Durham's Newtonville Road Construction Pilot Project

Advisory / Other Committee Minutes

1. Durham Nuclear Health Committee (DNHC) minutes – September 16, 2022

Members of Council – Please advise the Regional Clerk at clerks@durham.ca, if you wish to pull an item from this CIP and include on the next regular agenda of the appropriate Standing Committee. Items will be added to the agenda if the Regional Clerk is advised by Wednesday noon the week prior to the meeting, otherwise the item will be included on the agenda for the next regularly scheduled meeting of the applicable Committee.

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The Regional Municipality of Durham Information Report

From:	Commissioner of Planning and Economic Development
Report:	#2022-INFO-80
Date:	September 29, 2022

Subject:

2021 Census of Population – Language (Release 4), File: D01-03

Recommendation:

Receive for information

Report:

1. Purpose

1.1 This report presents an overview of Statistics Canada's fourth release of the 2021 Census of Population data, highlighting Durham Region's statistics on language. Attachment 1 summarizes key statistics in Durham Region, the Greater Toronto and Hamilton Area (GTHA), and Ontario.

2. Background

2.1 On August 17, 2022, Statistics Canada released the fourth dataset in a series of 2021 Census of Population statistics for municipalities across Canada. This release focused on language, including first official language spoken; mother tongue; languages spoken at home; and knowledge of languages. The Census is conducted in Canada every five years.

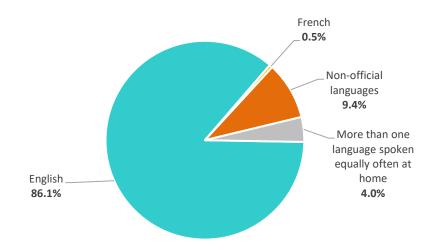
3. Previous Reports and Decisions

3.1 2022-INFO-79 – 2021 Census of Population – Families, Households, Marital Status, and Income (Release 3)

- 3.2 2022-INFO-77 2021 Census of Population Age, Gender, and Dwelling Type (Release 2)
- 3.3 2022-INFO-31 2021 Census of Population Population and Dwelling Counts (Release 1)

4. Language

- 4.1 In 2021, the knowledge of English or the ability to have a conversation in English was claimed by 98.8% of Durham's residents, slightly lower than in 2016 (99.1%).
- 4.2 Approximately 97.2% of respondents reported English as their **first official language spoken**, followed by French (1.3%).
- 4.3 English was the **language most frequently spoken at home** for 86.1% of Durham's population in 2021, as identified in Figure 1. This percentage compares to Ontario at 77.4% and GTHA at 68.5%.



- 4.4 Similarly, English was the **mother tongue** for the majority of people in Durham (76.6%), Ontario (65.1%) and the GTHA (53.8%), all slight decreases from 2016.
- 4.5 Approximately 18.3% of Durham residents reported having one or more languages as mother tongue that are different than either of Canada's two official languages in 2021 (up from 15.3% in 2016). The most prevalent non-official languages reported as mother tongue in Durham in include (in rank order): Tamil, Urdu, Tagalog (Filipino), Spanish, Mandarin, Italian, Arabic, Dari, Gujarati, and Yue (Cantonese), as illustrated in Figure 2.

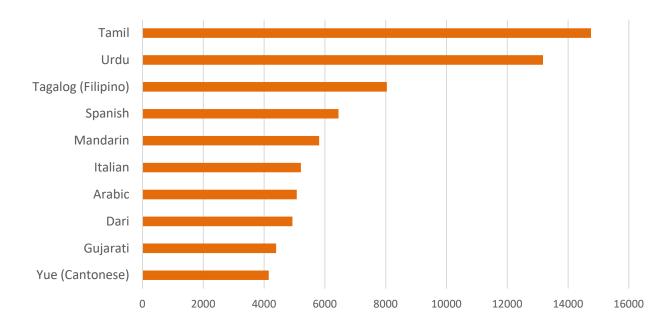


Figure 2 | Top 10 non-official languages reported as mother tongue

4.6 In 2021, 9.4% of Durham's population (65,440 people) reported speaking one or more non-official languages on a regular basis at home, compared to 6.5% (41,975 people) in 2016. Of those in Durham Region who speak a non-official language most often or on a regular basis at home, the most prevalent include: Tamil, Urdu, Mandarin, Tagalog (Filipino), Spanish, Dari, Gujarati, Arabic, Yue (Cantonese), and Punjabi.

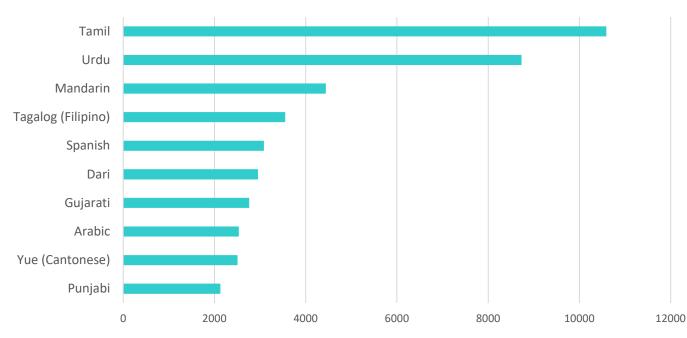


Figure 3 | Top 10 languages spoken most often at home, other than English and French

4.7 The GTHA has a considerably higher share of residents who first learned a nonofficial language as their mother tongue (38.8%) compared to Durham (18.1%), as illustrated in Figure 4.

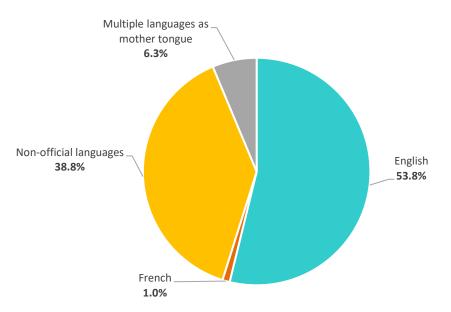


Figure 4 | Languages reported as mother tongue in the GTHA

4.8 The GTHA, as a whole, also has a higher share of residents who use a non-official language spoken most often or on a regular basis at home (23.8% or 1.7 million people) than Durham (9.4%). The most prevalent include: Mandarin, Yue (Cantonese), Punjabi, Urdu, Tamil, Spanish, Tagalog (Filipino), Arabic, Portuguese, and Russian.

5. Potential Impacts of global events

5.1 Global events, including the COVID-19 pandemic, have significantly impacted population and demographic growth trends across the globe. They have also influenced growth patterns in the GTHA as indicated in previous data releases noted in section 3. One key impact is the changes in immigration patterns which enhance and diversify the languages spoken within Durham's communities, as identified in this report. Future data releases of the 2021 Census and beyond will provide further insight into the shifts, the longevity of their impacts, and whether they represent long-term trends.

6. Relationship to Strategic Plan

- 6.1 This report aligns with/addresses the following strategic goals and priorities in the Durham Region Strategic Plan:
 - a. Goal 5.3 Demonstrate commitment to continuous quality improvement and communicating results

7. Conclusion

- 7.1 The Census is an essential source of data on the demographic characteristics over time.
- 7.2 Statistics Canada has noted the following release schedule for additional data this year:
 - September 21 Indigenous peoples and Housing;
 - October 26 Immigration, place of birth, and citizenship; ethnocultural and religious diversity; and mobility and migration;
 - November 30 Education, labour, language of work, commuting, and instruction in the minority official language.
- 7.3 Following the completion of the seven major releases, there will be further releases (dates to be determined) that will highlight additional themes and key findings in the data, data tables, updates to data products, and further analyses.
- 7.4 The 2021 Census information will be used as input to various Regional projects, including the update to the Regional Official Plan through the Municipal Comprehensive Review (Envision Durham), infrastructure master planning, annual infrastructure capital budgets and forecasts, the annual Business Plan and Budgeting process, Development Charges Studies, and the Durham Region Profile.
- 7.5 A copy of this report will be forwarded to the area municipalities and be made available on the Region's website.

8. Attachments

Attachment #1: Statistics Canada 2021 Census of Population, Fourth Release (language)

Respectfully submitted,

Original signed by

Brian Bridgeman, MCIP, RPP Commissioner of Planning and Economic Development Table 1 Knowledge of Official Languages by Municipality in Durham

Official Languages	Ajax	Brock	Clarington	Oshawa	Pickering	Scugog	Uxbridge	Whitby	Durham
Total population by knowledge of official languages	126,415	12,335	100,950	174,390	98,760	98,760 21,520	21,480	137,135 692,975	692,975
English only	114,445	11,730	92,865	161,340	90,255	20,030	19,760	123,965 634,385	634,385
French only	100	0	70	235	60	0	5	110	580
English and French	9,420	560	7,565	11,200	7,130	1,440	1,640	11,425	50,385
Neither English nor French	2,450	40	450	1,615	1,315	50	70	1,635	7,630

Note: Excludes institutional residents.

Table 2 Knowledge of Official Languages in the GTHA

Official Languages	Durham	Halton	Peel	Toronto York	York	Hamilton GTHA		Ontario
Total population by knowledge of official languages	692,975	591,845	1,441,775	692,975 591,845 1,441,775 2,772,630 1,167,855 563,820 7,230,9 14,099,79	1,167,855	563,820	7,230,9	14,099,79
English only	634,385	527,860	1,300,645	634,385 527,860 1,300,645 2,409,655 1,024,110 520,350 6,417,0 12,196,57	1,024,110	520,350	6,417,0	12,196,57
French only	580	360	1,005	2,555	470	410	5,380	39,310
English and French	50,385	50,385 54,205	81,965	236,915	74,625	32,630	32,630 530,725 1,519,365	1,519,365
Neither English nor French	7,630	7,630 9,420	58,160	123,505	68,645	10,435	68,645 10,435 277,795 344,545	344,545

Note: Excludes institutional residents.

If this information is required in an accessible format, please contact 1-800-372-1102 ext. 3111



The Regional Municipality of Durham Information Report

From:Commissioner & Medical Officer of HealthReport:#2022-INFO-81Date:September 29, 2022

Subject:

Durham Region Health Department 2021 Health Check Up!

Recommendation:

Receive for information

Report:

1. Purpose

1.1 To provide an update on the Durham Region Health Department (DRHD) <u>2021</u> <u>Health Check-Up!</u> (HCU), which has been posted on durham.ca.

2. Background

- 2.1 DRHD releases an annual HCU to report on key program achievements and feature program specific stories.
- 2.2 Due to the pandemic and the significant resources that were required for pandemic response, publication of the 2020 HCU was delayed until January 2022. At the time of publication, 2020 financial information was not available. The 2020 financial information is now available in the <u>2020 HCU</u>.
- 2.3 The 2021 HCU includes:
 - a. Key metrics and achievements in DRHD's response to COVID-19, including vaccine administration;
 - b. A timeline of major milestones achieved while administering COVID-19 vaccines;
 - c. A summary of the year's COVID-19 trends;
 - d. Accomplishments made in the COVID-19 response, including stories that showcase how staff met extraordinary challenges with dedication and a willingness to adapt for a second year in a row;

- e. Accomplishments made in regular program areas that operated when feasible; and
- f. 2021 financial information, including expenditures and revenues.

3. 2021 HCU Highlights

- 3.1 DRHD engaged in many COVID-19 response activities to reduce the spread of illness and protect the health and safety of area residents. DRHD's COVID-19 response activities are described in the 2021 HCU and organized into several topic areas as follows:
 - a. Vaccine administration
 - b. Case and contact management
 - c. Communications
 - d. Inspections and investigations
 - e. Instructions and orders
 - f. Outbreak management
 - g. School-focused nurses
 - h. Surveillance
 - i. Paramedic services and COVID-19 support
 - j. Testing support
- 3.2 Due to the demands associated with the COVID-19 response, some regular programs were suspended for parts of the year, or in some cases the entire year, to allow DRHD staff to support pandemic response efforts. Where possible, high-priority programs and services continued in a modified way. Achievements in programs and services that continued throughout the pandemic as well as restored programs are described in the Regular Programs and Services section of the HCU.

4. Relationship to Strategic Plan

- 4.1 This report aligns with/addresses the following strategic goal and priority in the Durham Region Strategic Plan:
 - a. Goal 5: Service Excellence: 5.3 Demonstrate commitment to continuous quality improvement and communicating results.

5. Conclusion

- 5.1 In 2021, the COVID-19 pandemic presented unique challenges affecting everyone in many ways. Over 28,400 Durham residents contracted COVID-19, 945 were hospitalized, and 144 people died from the illness.
- 5.2 By year-end, approximately 80 per cent of Durham's population aged five and older completed their primary COVID-19 vaccination series, rolling up their sleeves to protect themselves and their community. Behind this success, the team at DRHD, Regional colleagues, the provincial government, and many partners like Lakeridge Health, local pharmacies, primary care providers, and community groups worked

hard to get over 1.2 million doses of COVID-19 vaccines into the arms of people in Durham.

- 5.3 To learn more about what clients had to say about their COVID-19 immunization clinic experience, please see an infographic, posted on durham.ca, summarizing results from an online survey of eligible individuals that attended a DRHD or Lakeridge Health immunization clinic between April and October 2021.
- 5.4 DRHD continues to work with local partners to respond to the ongoing pandemic, offer COVID-19 vaccinations, reduce health inequities, and improve the health of area residents.

Respectfully submitted,

Original signed by

R.J. Kyle, BSc, MD, MHSc, CCFP, FRCPC, FACPM Commissioner & Medical Officer of Health Subject: Resolution for support regarding streamlining governing legislation for Physicians in Ontario

Good afternoon;

Please find below a resolution requesting support for streamlining governing legislation for Physicians in Ontario.

Resolution No. COU-2022-346

Moved by Councillor Ron Anderson Seconded by Councillor Emily Rowley

Whereas attracting primary health care providers, including doctors, to Brighton and other small communities has been a difficult task;

And Whereas the Provincial Government announced a tuition program to attract nurses to underserved areas of Ontario;

Now be it resolved that the Municipality of Brighton Council requests that the Government of Ontario provide funding and change legislation to allow the College of Physicians & Surgeons of Ontario (CPSO) to implement the changes proposed in their letter to the Minister of Health on August 18, 2022. Which includes:

- Exempting IEP's from the regulatory requirement to have Canadian experience (re-do residency) where all other requirements are met; and
- Implementing Practice Ready Assessment programs similar to those already used in seven (7) other provinces.

And further that the Government of Ontario develop a similar tuition program to attract family doctors to underserved areas of Ontario;

And further that this motion is circulated to the Premier of Ontario, the Minister of Health, MPP David Piccini, and all municipalities across Ontario and the Association of the Municipalities of Ontario (AMO) for endorsement.

Kind Regards,

Candice Doiron Municipal Clerk

Municipality of Brighton 35 Alice Street PO Box 189 Brighton, ON K0K 1H0 cdoiron@brighton.ca

Tel: 613-475-0670 Fax: 613-475-3453



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August 31, 2022

Association of Municipalities of Ontario (AMO) 200 University Ave., Suite 801 Toronto, ON M5H 3C6 Sent via email: <u>resolutions@amo.on.ca</u>

RE: RESOLUTION – OMAFRA Ontario Wildlife Damage Compensation Program Administrative Fee

The Council of the Corporation of Tay Valley Township at it's Council meeting on August 23rd, 2022 adopted the following resolution:

RESOLUTION #C-2022-08-42

"WHEREAS, the Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA) administers the Ontario Wildlife Damage Compensation Program to provide compensation to farm producers for livestock killed by wildlife;

AND WHEREAS, Ontario Municipalities administer the Program on behalf of OMAFRA by appointing a Livestock Investigator and staff to work on wildlife damage claims;

AND WHEREAS, the costs associated with wildlife damage claims typically exceed the administration fee of \$50.00 per claim as provided to the Municipality from OMAFRA;

NOW THEREFORE BE IT RESOLVED THAT, the Council of Tay Valley Township request the Ministry of Agriculture, Food and Rural Affairs to review the administrative fee provided to Municipalities for the administration of the Ontario Wildlife Damage Compensation Program;

AND FURTHER THAT, this resolution be circulated to the Association of Municipalities of Ontario (AMO) and all Ontario Municipalities for their consideration and support."

ADOPTED

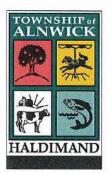


If you require any further information, please do not hesitate to contact the undersigned at (613) 267-5353 ext. 130 or <u>deputyclerk@tayvalleytwp.ca</u>.

Sincerely,

Janie Laidlaw, Deputy Clerk

cc: All Municipalities of Ontario



September 23, 2022

Association of Municipalities of Ontario (AMO) 200 University Avenue, Suite 801 Toronto, ON M5H 3C6 resolutions@amo.on.ca

Re: Support of Resolution – OMAFRA Ontario Wildlife Damage Compensation Program Administrative Fee

At the Township of Alnwick/Haldimand's Regular Council Meeting held on September 15, 2022, Council received the resolution sent by Tay Valley Township regarding a request to the Ministry of Agriculture, Food and Rural Affairs to review the administrative fee provided to municipalities for the administration of the Ontario Wildlife Damage Compensation Program. Council of the Township of Alnwick/ Haldimand supported and passed the following resolution:

R-336-2022

Moved by Deputy Mayor Sherry Gibson, seconded by Councillor Jim Hogg;

"Be it resolved that the correspondence from Tay Valley Township dated August 31, 2022, RE: Support of Resolution - OMAFRA Ontario Wildlife Damage Compensation Program Administrative Fee, be received; and

Further that Council of the Township of Alnwick/Haldimand supports the resolution from Tay Valley Township to request the Ministry of Agriculture, Food and Rural Affairs to review the administrative fee provided to the Municipalities for the administration of the Ontario Wildlife Damage Compensation Program; and

Further that this resolution be circulated to the Association of Municipalities of Ontario (AMO) and all Ontario Municipalities for their consideration and support.

CARRIED

A copy of the above noted resolution from Tay Valley Township is attached for your reference.

Sincerely yours,

Yołánda Melburn, Deputy Clerk Township of Alnwick/Haldimand 905-349-2822 ext. 32 <u>ymelburn@ahtwp.ca</u>

cc: Ontario Ministry of Agriculture, Food and Rural Affairs (<u>minister.omafra@ontario.ca</u>) All Ontario Municipalities, MPP David Piccini (<u>david.piccinico@pc.ola.org</u>)



Durham District School Board

400 Taunton Road East, Whitby, Ontario L1R 2K6 Phone: 905-666-5500; Toll Free: 1-800-265-3968

The Honourable Michael Kerzner
Ministry of the Solicitor General
25 Grosvenor Street
Toronto, Ontario M7A 1Y6
michael.kerzner@ontario.ca

	ervices Department Services Division
Date & Time	September 26, 2022
Received:	1:15 pm
Original To:	CIP
Copies To:	
Take Appropriate Action File	
Notes/Comments:	

September 22, 2022

Re: Review of Amber Alert Program

Dear Solicitor General Kerzner,

I am writing on behalf of the Durham District School Board (DDSB)'s Board of Trustees to inform you that Trustees adopted a motion at our Board Meeting on Monday, September 19, 2022 to request that the Government of Ontario undertake a review of the Amber Alert program criteria, broadening the scope to include missing and at-risk vulnerable persons or, that a new program specifically for missing and at-risk vulnerable persons be established. Many municipalities in Durham Region have also written to the Province on this topic so that collectively we can better protect children and youth.

The Amber Alert system has been effective at announcing abductions of children in a timely manner. The recent tragic disappearance and death of Draven Graham, an 11-year-old child, highlights the need to broaden the scope of the Amber Alert system to include children with special needs or those who are especially vulnerable. Revised alert criteria should also include instances where children with special needs or who are especially vulnerable leave parent/guardian/caregiver custody of their own accord, not necessarily through abduction.

If after a review of the current program it is determined that broadening the scope is not appropriate, a new alert program should be developed, similar to Amber Alert, that quickly and widely informs communities that a vulnerable or at-risk person is missing.

We thank you for your consideration of this important request and hope that we can count on the Government of Ontario to do everything in its power to help prevent another tragic death from occurring.

Sincerely,







Carolyn Morton Chairperson Durham District School Board

Cc: Premier of Ontario Minister of Education MPPs in Durham Region Regional Chair, Durham Region **Durham Region Municipalities** Trustees, Durham District School Board







September 27th, 2022

To: Durham Regional Council

Re: Action Requested at September 28th Meeting regarding Newtonville Road Pilot Project

Dear Regional Council Members,

I am a resident of the Municipality of Clarington.

On Monday, September 19th, 2022, Clarington Council unanimously endorsed a motion **directed to Durham Regional Council**.

I have attached a copy of this Clarington Resolution #C-181-22, which requests "*prompt*" <u>actions</u> by the Region as well as <u>information</u> "*at the earliest possible opportunity*" to address information Clarington received from a Clarington resident, including photos, that unacceptable waste materials, including batteries, circuit boards, razor blades, and other metal objects were being used in the road bed at the Region's Newtonville Road pilot project.

In their motion, Clarington Council explicitly stated "*And that this motion be sent to Durham Regional Council forthwith*".

I am outraged that Clarington's correspondence to Durham Regional Council requesting such immediate actions as well as information, has not been included on the Agenda for the September 28th Regional Council which is also the final meeting of this Regional Council.

I am also outraged that Linda Gasser's correspondence on this matter has also been omitted from the September 28th agenda.

Instead, Durham Regional Clerk Alexander Harras, copying Chair Henry and CAO Baxter-Trahair, advised Linda Gasser that that the Clerk decided that both her correspondence and Clarington's correspondence were put in the Council Information Package (CIP).

This now means that this matter of great concern to Clarington Council and Clarington residents cannot be dealt with in a timely manner as requested unless further actions are taken – actions that require a $2/3^{rd}$ majority to even be considered.

This is disturbing. Council members reading their Agendas only would not even be aware of this issue requiring immediate attention.

Keeping Council in the dark, delaying important matter requiring timely action and setting up obstacles (like requiring 2/3rd majority votes) are not only unnecessary and lead to a dysfunctional Council, but are also undemocratic.

It is completely unacceptable and I ask Council members to take immediate actions to correct this and have these correspondence items put on the September 28th Agenda/Addendum.

Sincerely,

Wendy Bracken

Resolution # C-181-22 Moved by Councillor Zwart Seconded by Councillor Anderson

Whereas the Region of Durham proposed, and is currently in Phase 2 of a Pilot project, to use recycled waste materials in a section of a Newtonville Road reconstruction as described in Durham Report #2019-COW-31 (Section 7), Durham Report #2020-INFO-117, and Durham Report #2022-W-12; September 19, 2022 Council Minutes 7

And whereas the Municipality of Clarington unanimously passed Resolution GG-103-22 on February 28, 2022 that "the Municipal of Clarington is vehemently opposed to the Region of Durham's proposal to run a pilot project using incinerator ash and/or plastics and/or other waste materials anywhere in Clarington";

And whereas residents have raised concerns to both Durham and Clarington Councils about the health and environmental impacts of using waste materials in the road construction;

And whereas Regional staff wrote in Report #2020-INFO-117 that "the use and quantity of these recycled materials in this road reconstruction project will depend on the approval of the Ministry of the Environment, Conservation and Parks (MECP)", but then, in Section 4.3 of Durham Report #2022-W-12, stated "It should be noted that the use and quantity of the proposed recycled materials in this pilot project were reviewed by the Ministry of the Environment, Conservation and Parks (MECP); however, we were advised there is no formal ministry approval process for the proposal. Ministry staff advised that the Region must be satisfied that the proposed materials meet relevant engineering standards for road construction and that there are no anticipated adverse effects from using these materials"

And whereas a Clarington resident, on September 15, 2022, sent pictures stated to have been taken at the road pilot site which appear to show multiple waste materials beyond recycled plastics and glass and stated in their email that there was evidence of "leaky batteries and metal objects such as antennas from cellular phones and crushed metals, metal hooks, broken razor blades, dental tools, metal pens full of ink, small circuit boards, metal keys, to name just a few";

And whereas this information from the resident has been provided to Regional staff, as well as Clarington staff and Council;

And whereas the Municipality of Clarington wishes to protect the health of the environment and our residents,

Now therefore be it resolved that the Municipality of Clarington request that Durham Region:

a) Advise the Municipality of Clarington, in writing, what steps Durham has taken to investigate/verify the contents of the pictures and the information sent by the resident;

b) Provide a prompt, and full, accounting, in writing, to the Municipality of Clarington of the total quantity (tonnage) and materials composition by waste category as well as the sources of all waste materials used in the Pilot;

c) Promptly provide all documents to the Municipality of Clarington that the Region has submitted to the MECP describing the materials and quantities to be used in the Pilot project;

d) Provide, in writing, a description to the Municipality of Clarington of the potential adverse impacts of the use of the waste materials depicted in the September 19, 2022 Council Minutes 8 pictures and what potential remedies exist to address the potential adverse impacts;

e) Provide all of the above information to the Municipality of Clarington at the earliest possible opportunity;

And that this motion be sent to Durham Regional Council forthwith with copies sent to the Minister of the Environment Hon. David Piccini, MECP (Durham-York District Office), and Durham Region CAO Elaine Baxter-Trahair.

Carried as Amended, see following motions Amendment Resolution # C-182-22 Moved by Councillor Anderson Seconded by Councillor Zwart

That the foregoing Resolution #C-181-22 be amended by adding the following as f):

"f) That no further work continue until a full report has been provided."

Carried Amendment

DURHAM NUCLEAR HEALTH COMMITTEE (DNHC) MINUTES

Location

Durham Regional Headquarters 605 Rossland Road E, Whitby

Meeting

In an effort to help mitigate the spread of COVID-19, this DNHC meeting was a virtual meeting so that presenters, members, and guests could present and participate without meeting together in the Regional Council Chambers.

Date & Time

September 16, 2022 at 1:00 PM

Members that Participated

Lisa Fortuna, Durham Region Health Department (DRHD) (Chair) Mary-Anne Pietrusiak, DRHD Dr. Kirk Atkinson, Ontario Tech University (OTU) Phil Dunn, Ministry of the Environment, Conservation and Parks (MECP) Raphael McCalla, Ontario Power Generation (OPG) Loc Nguyen, OPG Deborah Kryhul, Public Member Veena Lalman, Public Member Susan Ebata, Public Member Dr. Barry Neil, Public Member Jane Snyder, Public Member Dr. David Gorman, Public Member Dr. Lubna Nazneen, Alternate Public Member Alan Shaddick, Alternate Public Member

Presenters & Assistants

Paulo Correia, DRHD (Secretary) Carrie-Anne Atkins, OPG (Presenter) Lindsay Parks, OPG(Presenter) Ali Esmaeily, OPG(Presenter) Ajit Ghuman, CNL (Presenter) Alex Swirski DRHD (Presenter) Vinroy Thorpe, OPG David Keene, MECP Helen Tanevski, DRHD Roger Ignacio, DRITD

Regrets

Hardev Bains, Public Member Janice Dusek, Public Member Dr. Robert Kyle, DRHD Lisa Fortuna opened the virtual meeting and welcomed everyone.

Land Acknowledgement by Lisa Fortuna.

Lisa Fortuna mentioned that observers who have questions concerning presentations today, should email or discuss their requests with Paulo Correia, DNHC secretary, at <u>dnhc@durham.ca</u>.

Paulo Correia will follow-up with each of the presenters after the meeting with the observers' questions off-line to prevent any duplication of emails and responses. Paulo will report back to Dr. Robert Kyle the outcomes of the questions received.

1. Approval of Agenda

The Revised Agenda was adopted.

2. Approval of Minutes

The Minutes of June 17th, 2022 meeting were adopted as written.

3. Correspondence

- **3.1** Dr. Robert Kyle's office received the Minutes of the Joint Pickering Nuclear Generating Station (NGS) and Darlington NGS Community Advisory Council virtual meeting held on April 19, 2022.
- **3.2** Dr. Robert Kyle received a report from James Kilgour, dated July 6, 2022, stating that James did not receive any questions from Observers arising from the June 17 DNHC meeting.
- **3.3** Dr. Robert Kyle received an OPG report from Margo Curtis on behalf of Raphael McCalla, Director, Environmental Health and Safety, that provided a link to OPG's 2021 Results of Environmental Monitoring Programs available at https://www.opg.com/reporting/regulatory-reporting/.
- **3.4** Dr. Robert Kyle wrote a letter on behalf of the DNHC concerning the licence application by Canadian Nuclear Laboratories' (CNL) application for a 10-year renewal of the Port Granby Project of the Port Hope Area Initiative to allow CNL to continue carrying out cleanup activities and continue the monitoring and maintenance of the Port Granby Long-Term Waste Management Facility. Dr. Kyle's letter was dated September 12, 2022.

4. Presentations

4.1 Progress report by Ontario Power Generation (OPG) concerning the Results of the 2021 Environmental Monitoring Program (EMP) for Darlington and Pickering Nuclear Generating Stations (NGSs) Lindsay Parks, Environmental Advisor, Environmental Health and Safety, OPG provided a presentation of the 2021 EMP results for Darlington and Pickering NGSs.

Lindsay explained the key objectives of EMP are to:

- Demonstrate the effectiveness of containment and effluent control, independent of effluent monitoring
- Demonstrate compliance with limits on the concentration and intensity of contaminants and physical stressors in the environment and
- Provide data to assess the level of risk on human health and the environment and to confirm predictions made by environmental risk assessments

The highlights of the 2021 EMP presentation:

Maps illustrating the Sampling Point locations emphasised:

- Sample locations associated with the annual monitoring program and the locations of the Potential Critical Groups.
- Calculated annual radiation dose for representative people in critical groups. Dose is calculated for 3 age categories (infant, child, adult).
- Critical groups are groups of people with similar habits and diets
- Dose is calculated for 3 age categories (infant, child, adult).
- Calculations include station emissions, meteorological data, sample data around the stations from the critical groups.
- For Darlington, the Critical Groups include the West/East Beach residents, farm residents, rural residents, and dairy farmer.
- For Pickering, the Critical Groups include the urban resident, industrial worker, sport fisher and dairy farm.
- Sample collections include tritium in air samplers and noble gas detectors highlighted in red on the map.
- C-14 air samplers represented by green dots.
- Additional samples of fruit, vegetables, poultry, eggs, animal feed, milk, beach sand, lake water, well water and municipal water are collected and analyzed and indicated by different colours on the legend.
- Radiation dose image from the CNSC illustrated radiation doses from various sources and the units in millisieverts.
 - The annual dose limit for Pickering and Darlington is one millisievert. The typical does near a nuclear power plant is approximately 0.001 millisievert or one microsievert.
 - Cross Canada flight is approximately 20 microsieverts.
 - A chest x-ray is approximately 100 microsieverts.
- The 2021 EMP public dose results from Pickering was 2.0 microsieverts and from Darlington was 0.6 microsieverts. This represents 0.2% of the annual regulatory limit for Pickering and less than 0.1 % of the annual regulatory limit for Darlington.

- Station radiological emissions remained at very small fractions of their respective Derived Release Limits (DRLs).
 - The DRL is a rate that corresponds to an exposure at a legal public dose limit. Maintaining emissions below DRLs, ensure that the annual dose limit is not reached.
- Dose calculations and annual report were reviewed and verified by an independent third party.
- 2021 EMP report was submitted to CNSC on April 25, 2022 and is available on www.opg.com.
- The 2021 public dose for Darlington was 0.6 microsieverts.
 - Tritiated water (HTO), C-14, and noble gases are the main dose contributors.
 - o Darlington public dose is consistent with the 2020 dose.
 - The 2021 dose is less than 0.1% of annual regulatory limit of 1000 microsieverts.
- The 2021 public dose for Pickering was 2.0 microsieverts.
 - HTO and noble gases are the main dose contributors.
 - Pickering public dose is consistent with the 2020 dose.
 - The 2021 dose is 0.2% of annual regulatory limit of 1000 microsieverts.
- A table showed the total radiological emissions from Darlington, Pickering and their respective DRLs.
 - Radiological emissions to air include Tritium Oxide, Elemental Tritium from the Tritium Removal Facility at Darlington, Noble Gas, I-131, Particulate and C-14.
 - Radiological emissions to water include Tritium Oxide, Gross Beta/Gamma and C-14.
 - Pickering Gross beta-gamma are reported to be 6% of the DRL.
- 2021 Tritium air results were reviewed. Tritium is measured at 6 boundary locations for Darlington and 6 for Pickering.
 - Tritium to air emissions for Darlington were 2.6 x 1014 Bq. Average tritium in air at Darlington Site Boundary was 0.87 Bq/m3.
 - Tritium to air emissions for Pickering were 5.2x1014 Bq. The average tritium in air concentration at the Pickering site boundary was 5.2 Bq/m3.
- Tritium concentrations monitored at Water Supply Plants (WSPs) remained below OPG's commitment of less than 100Bq/L and below the Ontario Drinking Water Quality Standard of 7000 Bq/L.
 - Samples collected from 3 WSPs near Darlington and 4 water supply plants near Pickering. Average for the year:
 - Bowmanville WSP 4.8 Bq/L for the year.
 - Oshawa WSP 6.6 Bq/L for the year.
 - Ajax WSP 4.9 Bq/L for the year.
 - F.J Horgan WSP 3.5 Bq/L for the year.
- Results of Non-Radiological Monitoring.
 - 2021 emissions continue to be reported through 2022, the 2021 EMP Report also summarized the complete set of emissions for 2020.

- Emissions to air include sulphur dioxide, nitrogen dioxide, carbon dioxide, ammonia, hydrazine and ozone-depleting substances (ODS).
- In 2020, there were three ODS releases of R134a (tetrafluoroethane) refrigerant at DN, in excess of 100kg. The spills were reported to the Spills Action Centre and regulatory authorities.

Lindsay summarized the EMP results.

- Site emissions remined at a small fraction of DRL.
- 935 laboratory analyses performed for the 2021 dose calculation.
- 2021 site public dose remains a small fraction of both the legal dose limit and the annual natural background radiation.

Other monitoring programs captured in the presentation:

- Annual reporting of fish impingement is required by Fisheries and Oceans Canada (DFO) to ensure ongoing compliance with conditions of the PN Fisheries Act Authorization issued to OPG in January 2018.
- Results of the 2021 monitoring program are presented in the Pickering Nuclear 2021 Impingement Monitoring Report submitted to both DFO and CNSC and will be available on OPG.com.
- 2022 monitoring program results will be issued in 2023.

Environmental Risk Assessments (ERA):

- The updated 2020 Darlington ERA has been completed and is available on <u>www.OPG.com</u>. The results of the following are included in the ERA:
 - 2019 study on hydrazine concentrations in lake water indicate that there are no health risks for human receptors due to the exposure of hydrazine in drinking water.
 - 2019 study on the filtered and unfiltered concentrations of aluminum did not exceed screening criteria, aluminum deemed not a chemical contaminant of concern for the ERA.
- The updated 2021 Pickering ERA has been completed and submitted to the CNSC and will be available online once reviewed by the CNSC.

Final summary:

- MECP performed audits of the Health Physics Laboratory in February and August, 2021. No non-compliant findings.
- CNSC Field Inspection completed March 5, 2021. No adverse conditions found.
- In 2021, no major changes to the routine sampling program identified.
- No supplementary studies are planned for 2022 EMP.
- Changes to the EMP as a result of the latest PN and DN ERAs will be identified and captured in the next EMP design review in 2023.

Lindsay Parks or associates will continue to update the DNHC on EMP Report results. Full EMP Reports are available at <u>opg.com</u>.

4.2 Progress report by OPG concerning the Results of the 2021 Groundwater Monitoring Program (GWMP) at Pickering and Darlington NGSs

Ali Esmaeily, Section Manager Environment Programs, Environmental Health and Safety, OPG, provided a presentation of the results of the 2021 GWMP for Pickering and Darlington NGSs.

Ali reviewed the key objectives of the 2021 GWMP:

- Verify groundwater flow direction.
- Monitor changes to on-site groundwater quality, identify new issues in a timely manner, and assess historical issues.
- Monitor groundwater quality at the site boundary to confirm no adverse off-site impacts.

Pickering NGS Program overview:

- Picture of site with sample locations shown.
- 300 samples were taken from 125 sampling locations.
- Majority of monitoring locations are near the operating units. Additional ground water wells are located further out at the site boundary in all directions.
- Groundwater flow patterns verified. Groundwater flows follow a similar pattern from previous years.
- Tritium in groundwater is the main focus.
- Tritium concentrations measured in becquerels per litre (Bq/L) continue to trend downwards.
- 2020 issues with Unit 1 were addressed. Witnessed migration of Tritium from Unit 1 to the Vacuum Building Ramp Sump which collects water from Unit 1 and 2.
- Unit 3 and 4 areas have had stable tritium concentrations and a decline is being observed.
- Irradiated Fuel Bay between Units 2 and 3 saw an increase attributed to a heavy water leak that occurred in the 3rd quarter of 2020. The groundwater in this area flow towards an area of containment.
- Unit 5 and 6 areas have seen stable tritium concentrations similar to 2020. Unit 6 sump saw an increase in tritium concentration due to a defective Unit 6 valve that was addressed and levels declined after the repair.
- Unit 7 and 8 areas have seen concentrations that are stable or decreasing.
- Irradiated Fuel Bay located between Units 6 and 7 saw an increase from the flow of water from Unit 6. This area will continue to be monitored.

Pickering Summary Graph

• No offsite impacts from groundwater in 2021.

Darlington NGS Program overview:

- Picture of site with sample locations shown.
- 180 samples were taken from 81 sampling locations.

- Groundwater flow patterns verified. Groundwater flows follow a similar pattern from previous years.
- Locations sampled near the reactors and site boundary.
- Tritium concentrations are low, stable and have a downward trend.

Darlington Summary

- No offsite impacts from groundwater in 2021.
- Tritium concentrations at the site boundary continue to be low and confirmed by sampling completed in 2021.

2021 Ground Water Monitoring Summary

- Ground water flow patterns remain consistent for both Pickering and Darlington NGS.
- Groundwater data collected remains stable.
- There were no indications of off-site impacts.
- 2021 Ground water Report and GIS Maps are available at opg.com.

Ali Esmaeily or associates will continue to update the DNHC on OPG's Ground Water Monitoring Program results. More information is available at <u>opg.com</u>.

4.3 Progress report by the Canadian Nuclear Laboratories concerning the Port Granby Project

Ajit Ghuman, Manager of Long-Term Waste Management Facilities), provided an update on Port Granby Project.

Ajit commenced the presentation with the project's commitment to Indigenous and community engagement.

Port Granby Engineered Storage Mound completed

- Approximately 1.3 million tons of historical, radioactive waste now contained at the facility.
- Completion of the cap cover was a significant milestone.
- Final Stage is the long-term monitoring and maintenance of the site.

Restoration of the site.

- Focus on tree planting, Goal to plant 21,000 trees by end of 2022.
- Deconstruction and removal of site infrastructure.
 - Lakeshore road realignment and underpass removal.
 - Remove internal roads.
- Construction of berm on west side of the waster water treatment plant.
- Final Stage is the long-term monitoring and maintenance of the site.
 - Air, water, groundwater, soil, plants, wildlife monitoring continues.
 - Continued safety oversight to ensure site is properly managed to reduce risk to people and environment.
 - Long-term Waste Management Facility will continue to be monitored and maintained.

• Wastewater collected will be transported and stored at licensed offsite location.

Port Granby Nature Reserve Proposal

- Proposal to create a nature reserve.
- Atomic Energy of Canada has established a working group for the long-term vision for the lands surrounding the storage mound.
- The site is surrounded by approximately 270 hectares of crown lands.

Port Hope Area Initiative-10 year Licence Renewal Application

- CNL requesting to consolidate the Port Hope licence and the Port Granby Project Waste Nuclear Substance Licence into a single, ten-year Port Hope Area Initiative (PHAI) licence.
- CNL's goal is continue the cleanup and maintenance work of both sites without the requirements of maintaining two separate licences.
- Request to intervene to the CNSC by October 14th, 2022.
- Public Hearing to be held November 22, 2022.
- Decision to be posted by CNSC approximately 12 weeks later.
- Visit PHAI.ca to participate or for more information.

Question raised about the location of the Environmental Monitoring Program? CNL will provide a response and follow-up will occur with the member.

Ajit Ghuman or his associates will continue to keep the DNHC updated on the Port Granby Project. More information is available at <u>phai.ca/port-granby-project</u>.

.4.4 Update by (DRHD) concerning Durham Region Health Neighbourhoods: Release 4

Alex Swirski, Epidemiologist, Health Analytics & Research, DRHD, provided a presentation on the updated Health Neighbourhoods: Release 4

Alex provided an overview of the Health Neighbours Project.

- Last updated in 2017 with 89 Indicators.
- Release 4 updated in June 2022 with 96 indicators.
- 50 Health Neighbourhoods. Municipalities may have 1 neighbourhood or as many as 12.
- Neighbourhoods designed to have an equal number of residents in each, but not possible due to rural and urban population and geographic boundaries.
- Based on the 2016 census, the average population size of each neighbourhood was 12,800 but varied from 8,300 in Westney Heights (Ajax) to 22,000 in Ajax Northeast. Generally, neighbourhoods in rural areas, particularly the north, have smaller populations than the urban neighbourhoods in the south.
- Release 4 delayed due to COVID.
- Health neighbourhoods provides key social determinants of health such as:

- Access to Health services
- Housing
- o Income
- Education
- Employment
- Many more indicators were displayed on the slide.

Alex explained the benefit of Heath Neighbourhoods:

- Allows analysis below the municipal level.
- Provides local data for evidence informed decision making.
- Helps identify priority populations geographically and address the social determinants of health.
- Increases awareness of how community can affect health.
- Facilitates work with other departments, organizations, and community partners.

Alex explained how neighbourhoods in close proximity can be vastly different.

- Two neighbourhoods, 3km apart, had large differences in household income, life expectancy and number of domestic incidents.
- There are 7 priority neighbourhoods in Durham.
- Priority neighbourhoods have the lowest income levels in Durham.
 - Community can affect health.
 - Highlighting priority neighbourhoods can assist in supporting community.
 - 1 in 6 Durham residents live within a priority neighbourhood.
 - These areas have many community strengths and assets that can be used to improve health and well-being.

What's new in Release 4?

- New map viewer platform.
- Online dashboards replaced the PDF indicator summaries and Neighbourhood Profiles used in earlier releases.
- Neighbourhood data can be explored, filtered, and downloaded through the open data portal.

Alex reviewed screen shots of the new platform and improvements to new release.

- New platform allows more flexibility with searching by indicator or neighbourhood.
- Can quickly compare different indicators and time periods.
- Able to compare Health Neighbourhoods, municipality, Durham Region, and Ontario.
- Health Neighbourhood profiles display all available data for the neighbourhood or municipality.
- Can filter data based on higher or lower values.
- Easy to find points of interest: Services, schools, childcare, health care, housing, transportation, and more.

- Easy to navigate on mobile and desktop.
- All data is available on Durham Region's Open Data site.
 - Data can be explored, filtered, and downloaded.
- Durham.ca/neighbourhoods has many additional resources, FAQS, information on indicator changes, etc.
- 20 new indicators added.
- 10 indicators modified or re-named.
- Updated time comparisons with more years of data.

Health Neighbourhoods is an evolving project and future updates to include:

- New dashboard for timepoint comparison.
- New and updated indicators,
- Inclusion of 2020 census data,
- Creating new knowledge, translation, transfer products, and infographics.
- Additional improvements to be considered from feedback and needs of community.

Alex completed her presentation by comparing two Health Neighbourhoods: Frenchman's Bay and Darlington that include both Pickering and Darlington Nuclear stations

- Several slides compared 100 people and how Health Neighbourhoods data can easily compare the two neighbourhoods.
- Visit durham.ca/neighbourhoods for completing your own comparison.

Questions:

A question was asked about correlation between the environment, socio economic and health?

Alex responded to the question.

- There aren't many environmental indicators captured on the project.
- Environment factors may play a role. Exposure to radon, air pollution, UV, and pollen were examples used that can have an impact on a person's health. The impact goes beyond the neighbourhood.
- Difficult to link an exposure when the exposure may impact the region as a whole and not a particular neighbourhood.
- Weather may also be a factor and difficult to associate with a neighbourhood.

Alex Swirski or associates will continue to update the DNHC on its progress with Durham Region Health Neighbourhoods. More information is available at <u>durham.ca/neighbourhoods</u>.

5. Communications

5.1 Community Issues at Pickering Nuclear and Darlington Nuclear

Carrie-Anne Atkins, Manager, Corporate Affairs, Pickering Nuclear, OPG, provided an update on Community Issues at Pickering and Darlington and the highlights were:

Pickering Nuclear Operational Performance Update:

• Pickering Units 4, 5, 6, 7 and 8, are operating at or near full power, with Unit 1 in a scheduled maintenance outage.

Pickering Vacuum Building Outage (VBO)

• Oct. 6 work will commence on the VB - largest outage since the 2010 VBO. Unit 1 (P2211) already planned to be in an outage, all other units will be shut down during the VBO.

Darlington Nuclear Operational Performance Update:

• Darlington Units 2 & 4 are operating at or close to full power. Units 1 & 3 are currently in refurbishment

Project Updates: Darlington New Nuclear Project (DNNP):

- Advertising in local papers starting Sept 8th, 2022.
- Sharing that OPG has received regulatory approval to enter site preparation for the DNNP.
- Work will include non-nuclear infrastructure activities, such as clearing and grading site to build roads, utilities, and support buildings. Work to commence September 2022 and continued into 2025.

Other Community Updates:

- 1. OPG's Pickering & Darlington Nuclear Information Centre reopened to the public on Monday, July 4.
- 2. Tuesdays on the Trail successfully finished another season.
- Summer program ran on select Tuesdays in July and August

Look ahead:

• 2022 OPG Community Open House returning to the Darlington Energy Complex (DEC) on Saturday September 24 for employees and members of the public. Employees from operations and projects will be on hand to answer questions. Tours of the mock up reactor will be offered.

National Day for Truth and Reconciliation:

- OPG has commemorated Orange Shirt Day on Sept. 30 to raise awareness of the impact and legacy of Canada's residential schools. This year, Sept. 30 will also be designated as National Day for Truth and Reconciliation.
- OPG will be hosting an event to commemorate the day at the DEC on Thursday, September 30. The event will be livestreamed for all employees to have the opportunity to participate.

Environmental Stewardship Pickering – Take Pride in Pickering Tree Planting:

• OPG in partnership with the TRCA and the City of Pickering will plant 300 trees on October 1st, 2022.

For more information, Carrie-Anne Atkins, Manager, Corporate Affairs, Pickering Nuclear, OPG, can be reached at 416-528-7766 or by e-mail at <u>carrie-anne.atkins@opg.com.</u>

For more information, Lindsay Hamilton, Manager, Corporate Affairs, Darlington Nuclear, OPG, can be reached at 905-914-2457 or by e-mail at <u>lindsay.hamilton@opg.com.</u>

6. Other Business

6.1 Future Topics for the DNHC to Consider

Lisa Fortuna mentioned the next DNHC meeting is scheduled for November 18, 2022. Theme: Safety and Compliance at Pickering and Darlington NGSs

The Draft Agenda will likely include:

- Progress report by the Canadian Nuclear Safety Commission (CNSC) concerning its Annual Regulatory Oversight Report for Darlington and Pickering Nuclear Power Plants for 2021 (TBC)
- Progress Report by Ontario Power Generation concerning the Darlington and Pickering Annual Regulatory Oversight Report for 2021 (TBC)
- Update by Durham Region Health Department (DRHD) concerning Cancer at a Glance (Anjali Pandya, Epidemiologist, Health Analytics & Research)

6.2 Scheduled DNHC Meetings in 2022/2023

- November 18 Virtual
- January 20, 2023 TBD

7. Next Meeting

Location Virtual Meeting Durham Region Headquarters 605 Rossland Road East, Whitby

Date & Time November 18, 2022 at 1:00 PM

8. Adjournment

2:35 PM