



Professional Engineers
Ontario

Council Meeting

510th Meeting of Council
of Professional Engineers Ontario

to be held on
Thursday, February 2, 2017
5:30 p.m. – reception
6:00 p.m. – dinner
7:00 – plenary session

Friday, February 3, 2017
7:45 – 8:45 a.m. – breakfast
9:00 a.m. – 4:00 p.m.

PEO Council Chambers
8th Floor
40 Sheppard Avenue West
Toronto, Ontario

Thursday, February 2, 2017

1. Reception – 5:30 p.m. to 6:00 p.m.
Dinner – 6:00 p.m. to 7:00 p.m.
(8th Floor Dining Room)

2. Plenary Session – 7:00 p.m. to 9:00 p.m.
(8th Floor Council Chambers)
 1. Council Term Limits Task Force Report
 2. Tentative – Presentation on One Year Update on Print Edition as the Default

APPROVAL OF AGENDA

Purpose: To approve the agenda for the meeting.

Motion(s) to consider: (requires a simple majority of votes cast to carry)

That:

- a) the agenda, as presented to the meeting at C-510-1.1, Appendix A be approved; and*
- b) the Chair be authorized to suspend the regular order of business.*

Prepared by: Dale Power, Secretariat Administrator

Appendices:

- Appendix A – 510th Council meeting agenda



C-510-1.1
Appendix A

Agenda

510th Meeting of the Council Professional Engineers Ontario

Date: Thursday, February 2 and Friday, February 3, 2017
Time: Thursday - 5:30 p.m. – reception; 6:00 p.m. – dinner;
 7:00 p.m. – 9:00 p.m. – meeting
 Friday – 9:00 a.m. – 4:00 p.m.
Place: PEO Offices – 8th Floor Council Chambers OR Dial-in: 1-888-866-3653
 40 Sheppard Avenue West Participant Code: 9394319#
 Toronto, Ontario

Thursday, February 2nd – 7:00 p.m. – 9:00 p.m.

	Spokesperson
PLENARY SESSION	
1. Council Term Limits Task Force Report	Robert Willson
2. Tentative - Presentation on One Year Update on Print Edition As The Default	David Smith

Friday, February 3rd – 9:00 a.m. – 4:00 p.m.

CALL TO ORDER			
1.	<u>APPROVAL OF AGENDA AND LEADERSHIP REPORTS</u>	Spokesperson/ Moved by	Type
1.1	APPROVAL OF AGENDA	Chair	Decision
1.2	PRESIDENT/REGISTRAR'S REPORT	Chair/Registrar	Information
2.	<u>PRIORITY ITEMS</u>	Spokesperson/ Moved by	Type
2.1	TERMS OF REFERENCE – PUBLIC INFORMATION CAMPAIGN TASK FORCE	Vice-President Brown	Decision
2.2	SOLID WASTE MANAGEMENT GUIDELINE – FINAL APPROVAL	Councillor Jones	Decision
2.3	FUNDS ALLOCATION FOR PEAK ETHICS MODULE	Registrar McDonald	Decision
2.4	ENGINEERING DIMENSIONS DISTRIBUTION – PRESENTATION ON ONE YEAR UPDATE ON PRINT EDITION AS THE DEFAULT	David Smith	Information

2.5	COMMITTEES/TASK FORCES TERMS OF REFERENCE, HR AND WORK PLANS	Councillor Bellini	Information
3. <u>CONSENT AGENDA</u>		Spokesperson/ Moved by	Type
3.1	OPEN SESSION MINUTES – 246 th EXECUTIVE COMMITTEE MEETING – OCTOBER 18, 2016	Chair	Decision
3.2	OPEN SESSION MINUTES – 509 TH COUNCIL MEETING – NOVEMBER 18, 2016	Chair	Decision
3.3	CHANGES TO THE 2017 COMMITTEES/TASK FORCES MEMBERSHIP ROSTER	Councillor Bellini	Decision
4. <u>IN-CAMERA</u>		Spokesperson/ Moved by	Type
4.1	IN-CAMERA MINUTES – 246 th EXECUTIVE COMMITTEE MEETING –October 18, 2016	Chair	Decision
4.2	IN-CAMERA MINUTES – 509 TH COUNCIL MEETING – NOVEMBER 18, 2016	Chair	Decision
4.3	APPROVAL OF WOLFE-SMITH AWARDEES	President-elect Dony	Decision
4.4	UPDATE ON INDUSTRIAL EXCEPTION STRATEGY	Linda Latham	Information
4.5	HRC UPDATE	President Comrie	Information
4.6	DISCIPLINE COMMITTEE – DECISIONS AND REASONS	Linda Latham	Information
4.7	LEGAL UPDATE	Linda Latham	Information
4.8	PEO'S ANTI-WORKPLACE HARASSMENT AND VIOLENCE POLICIES – COUNCILLOR VIOLATIONS, IF ANY	Chair	Information
5. <u>INFORMATION ITEMS</u>		Spokesperson/ Moved by	Type
ONGOING ITEMS			
5.1	LEGISLATION COMMITTEE UPDATE	Councillor Kuczera	Information
5.2	REGIONAL COUNCILLORS COMMITTEE UPDATE	Councillor Sadr	Information
5.3	ENGINEERS CANADA UPDATE	Annette Bergeron	Information
5.4	STATISTICS - COMPLAINTS, DISCIPLINE, LICENSING AND REGISTRATION UPDATE	Latham/Price/ Zuccon	Information
5.5	COUNCILLOR ITEMS	Chair	Information
CONCLUSION			

Councillors Code of Conduct

Council expects of itself and its members ethical, business-like and lawful conduct. This includes fiduciary responsibility, proper use of authority and appropriate decorum when acting as Council members or as external representatives of the association. Council expects its members to treat one another and staff members with respect, cooperation and a willingness to deal openly on all matters.

PEO is committed that its operations and business will be conducted in an ethical and legal manner. Each participant (volunteer) is expected to be familiar with, and to adhere to, this code as a condition of their involvement in PEO business. Each participant shall conduct PEO business with honesty, integrity and fairness and in accordance with the applicable laws. The Code of Conduct is intended to provide the terms and/or spirit upon which acceptable/unacceptable conduct is determined and addressed.

At its September 2006 meeting, Council determined that PEO volunteers should meet the same obligations and standards regarding conduct when engaged in PEO activities as they are when engaged in business activities as professional engineers.

[s. 2.4 of the Council Manual]

2017 Council Committee Meeting/Mailing Schedule

2017 Council Mailing Schedule

Meeting Date	Meeting Type	Initial BN Due Date – Members at Large	Initial BN Due Date – Councillors/Staff	Initial Agenda Mailing Date	Supp. Agenda ¹ Due Date	Supp. Agenda Mailing Date
2017						
Feb. 2-3	Council	Jan. 13	Jan. 17	Jan. 20	Jan. 24	Jan. 27
March 23-24	Council	Mar 3	March 7	March 10	March 14	March 17
April 22 ²	Council	Mar 31	April 4	April 7	April 11	April 14

¹ - requires the approval of the Chair or Registrar

² - new Councillors to be invited as soon as information is available

Briefing Note – Information

C-510-1.2

PRESIDENT'S/REGISTRAR'S REPORT

Purpose: To inform Council of the recent activities of the President and the Registrar.

Motion(s) to consider:

none required

President Comrie and Registrar McDonald will provide a verbal report on their recent PEO activities.

Briefing Note – Decision

TERMS OF REFERENCE – PUBLIC INFORMATION CAMPAIGN TASK FORCE

Purpose: To approve the Terms of Reference and proposed nominees for the Public Information Campaign Task Force

Motion(s) to consider: (requires a simple majority of votes cast to carry)

That Council approve the Terms of Reference and proposed nominees for the Public Information Campaign Task Force as presented at C-510-2.1, Appendix A.

Prepared by: David Smith, Director, Communications

Moved by: David Brown, P.Eng.

1. Need for PEO Action

The following motion was passed at the September 23, 2016 Council meeting.

- *That Council direct the Registrar to develop terms of reference and propose members for a task force to examine a potential public information campaign based on a value proposition of professional engineering that promotes public awareness of the role of the PEO.*

2. Proposed Action / Recommendation

That Council approve the Terms of Reference for the Public Information Campaign Task Force and appoint the proposed nominees to the task force.

3. Next Steps (if motion approved)

The Public Information Campaign Task Force will develop a request for proposal to engage a vendor to assist with message development and compile a list of the most relevant communications vehicles and their associated costs. The task force will provide a report to Council no later than at its April 2018 meeting, with campaign concepts and options, including:

- proposed messaging;
- key audiences;
- communications channels;
- costs and other required resources;
- measurables; and
- suggested course of action.

The task force will circulate the draft report to the EXE for peer review prior to submission to Council.

4. Peer Review & Process Followed

Process Followed	Council approved striking of a Public Information Campaign Task Force at the September 23, 2016 meeting.
Council	The Terms of Reference and candidates were peer reviewed by the Executive

Identified Review	Committee on January 17, 2017. The proposed list of task force members was reviewed by the Human Resources Committee on January 5, 2017.
Actual Motion Review	The following motion was passed at the September 23, 2016 Council meeting; <ul style="list-style-type: none"> • <i>That Council direct the Registrar to develop terms of reference and propose members for a task force to examine a potential public information campaign based on a value proposition of professional engineering that promotes public awareness of the role of the PEO.</i>

- 5. Appendices:** Appendix A – Terms of Reference – Public Information Campaign Task Force
Appendix B - List of Proposed Nominees for the Public Information Campaign Task Force)

Terms of Reference

Public Information Campaign (PIC) Task Force

Issue Date:
Approved by:

Review Date:
Review by:

Legislated and other Mandate approved by Council	<p>“To examine a potential public information campaign based on a value proposition of professional engineering.”</p> <p><i>[APPROVED BY COUNCIL - September 23, 2016]</i></p>
Key Duties and Responsibilities	<ol style="list-style-type: none"> 1. Examine a potential public information campaign based on a value proposition of professional engineering that promotes public awareness of the role of PEO. 2. Develop a Request for Proposal to engage a vendor to assist with message development and compile a list of the most relevant communications vehicles and their associated costs. 3. Provide a report to Council no later than at its April 2018 meeting, with campaign concepts and options, including: <ul style="list-style-type: none"> ○ proposed messaging; ○ key audiences; ○ communications channels; ○ costs and other required resources; ○ measurables; and ○ suggested course of action. 4. Circulate the draft report to the EXE for peer review prior to submission to Council.
Constituency, Number & Qualifications of Committee/Task Force Members	The task force shall, upon inception, consist of seven (7) members, with at least three (3) being current or former PEO Councillors and up to four (4) being current PEO members at large with familiarity of, and demonstrated experience with, current best practices in marketing/advertising or communications.
Term Limits for Task Force members	The task force is to be stood down following the submission of its final report to Council unless requested otherwise by Council.
Qualifications and election of the Chair	The Chair is to be elected from among the members of the task force in accordance with Wainberg’s Society Meetings and By-Law No. 1, section 25(4).
Qualifications and election of the Vice Chair(s)	The Vice Chair is to be elected from among the members of the task force in accordance with Wainberg’s Society Meetings and By-Law No. 1, section 25(4).
Duties of Vice Chair(s)	To act as Chair in the absence of the Chair.
Quorum	In accordance with Wainberg’s Society Meetings Including Rules of Order and section 25(1) of By-Law No. 1, quorum for the purpose of having the meeting’s decisions be considered binding is at least 50 per cent of the committee’s/task force’s membership present at the meeting.
Meeting Frequency & Time Commitment	The task force will meet at the call of the Chair.

Operational year time frame	The task force will commence its work upon approval of the Terms of Reference by Council and is to be stood down following submission of its final report to Council, unless requested otherwise.
Committee Advisor	David Smith, Director, Communications
Committee Support	Becky St. Jean, Senior Executive Assistant

List of Proposed Nominees for the Public Information Campaign (PIC) Task Force

Constituency, Number & Qualifications of Committee/Task Force Members	The task force shall, upon inception, consist of seven (7) members, with at least three being current or former PEO Councillors and up to four being current PEO members at large with familiarity of, and demonstrated experience with, current best practices in marketing/advertising or communications.
Roger Jones, P.Eng.	<ul style="list-style-type: none"> • Currently, Councillor-at-Large (three 2-year terms) • Member of several committees – Finance, PSC, EDTF, (CP)² Task Force
Tim Kirkby, P.Eng.	<ul style="list-style-type: none"> • Currently, LGA Councillor • Member of DIC and Council Composition TF; active member of Upper Canada Chapter
Marilyn Spink, P.Eng.	<ul style="list-style-type: none"> • Currently, LGA Councillor • Member of various committees / task forces – EXE, HRC, COC and (CP)² Task Force
Karen Chan, P.Eng.	<ul style="list-style-type: none"> • Past Chair, OSPE Board and Past Chair, Lake Ontario Chapter • Experience with communications and marketing • Currently employed by Deloitte Digital to build up the Centre of Excellence for Digital Marketing and Strategy
Valerie Davidson, P.Eng.	<ul style="list-style-type: none"> • Member, Women in Engineering Committee • Previous OSPE Board member; Past Chair of Advocacy Committee • Professor Emerita, University of Guelph; Served as Chair for Women in Science and Engineering (experience using web-based communication tools to engage diverse stakeholders)
Sean Ferenci, P.Eng.	<ul style="list-style-type: none"> • Director, Product Management with Systems With Intelligence Inc. • Over 8 years marketing experience as product manager and marketing/communications experience on advertising campaigns, producing brochures and presenting papers
Nancy Schepers, P.Eng.	<ul style="list-style-type: none"> • Deputy City Manager, Planning & Infrastructure, City of Ottawa (2006 to 2015 – retired) • Volunteer experience as Executive Director, National Guide to Sustainable Municipal Infrastructure

GUIDELINE – SOLID WASTE MANAGEMENT

Purpose: Professional Standards Committee (PSC) requests Council to approve the listed guideline and authorize its publication.

Motion(s) to consider: (requires a simple majority of votes cast to carry)

That Council:

1. *Approve the practice guideline for Solid Waste Management that is presented in Appendix A;*
2. *Direct the Registrar to publish the guideline and notify members and the public of its publication through usual PEO communications; and*
3. *Stand down the PSC subcommittee which prepared the guideline for Solid Waste Management.*

Prepared by: Sherin Khalil, P.Eng. – *Standards and Guidelines Development Coordinator* and José Vera, P. Eng. – *Manager Standards and Practice* on behalf of Nicholas Pfeiffer, Ph. D., P. Eng. – *Chair of the Professional Standards Committee (PSC)* and Heather Swan, P. Eng. – *Chair of the PSC Subcommittee: Solid Waste Management.*

Moved by: Councillor-at-Large, Roger Jones, P.Eng, MBA, SMIEEE

1. Need for PEO Action

- PSC was instructed by Council to proceed with revising the current guideline *Solid Waste Management* which was not revised since 1993, as per the following motion:
 - 484th Council Meeting on March 21-22, 2013:
That Professional Standards Committee is instructed to form a Solid Waste Management Guideline Subcommittee to complete the work described in the Terms of Reference attached in Appendix A.

2. Proposed Action / Recommendation

- The PSC, and relevant PSC subcommittee recommend that Council approve *Solid Waste Management* guideline.

3. Next Steps (if motion approved)

- Manager, Practice and Standards will collaborate with PEO Communications Department to prepare the draft document for publication as a PEO guideline.
- Articles will be published in *Engineering Dimensions* and notices posted on the website to notify PEO members about the publication of this document.

4. Peer Review & Process Followed

<p>Process Followed</p>	<ul style="list-style-type: none"> • PSC subcommittee of subject matter experts developed the draft guideline. • Draft document was reviewed by staff for compliance with the <i>Professional Engineers Act</i> and its Regulation. • Draft document was reviewed and approved by PSC members. • Draft document was posted on the PEO website for member and stakeholder to participate on consultation. The following stakeholders were directly invited to the public consultation: <ul style="list-style-type: none"> ➤ Ministry of the Environment and Climate Change (MOECC); ➤ Ontario Waste Management Association; ➤ Solid Waste Association of North America (SWANA); ➤ Consulting Engineers of Ontario (CEO); ➤ Ontario Society of Professional Engineers (OSPE); ➤ City of Toronto; ➤ Ottawa Valley Waste Recovery Centre (OVWRC); ➤ Niagra Region; ➤ City of Durham; ➤ Peel Region. • Draft document was revised where warranted by comments received from members and other stakeholders after consultation with relevant subcommittee, PSC and staff.
<p>Council Identified Review</p>	<p>Not Applicable</p>
<p>Actual Motion Review</p>	<p>Not Applicable</p>

5. Appendices

- Appendix A – Guideline for *Solid Waste Management*.
- Appendix B – Public Consultation Comments for *Solid Waste Management Guideline*.
- Appendix C – PSC Memo in response to all participants of public consultation.
- Appendix D – Ministry of the Environment and Climate Change response to Public Consultation Request.
- Appendix E – York Region response to Public Consultation Request.
- Appendix F – Ontario Society of Professional Engineers response to Public Consultation Request.



Professional Engineers
Ontario

GUIDELINE

Solid Waste Management

CONTRIBUTORS

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Notice: The Professional Standards Committee has a policy of reviewing guidelines every five years to determine if the guideline is still viable and adequate. However, practice bulletins may be issued from time to time to clarify statements made herein or to add information useful to those professional engineers engaged in this area of practice. Users of this guideline who have questions, comments or suggestions for future amendments and revisions are invited to submit these to PEO using the standard form included in the following online document: http://peo.on.ca/index.php/ci_id/23427/la_id/1.htm

I. PEO PURPOSE FOR GUIDELINES

Professional Engineers Ontario (PEO) produces guidelines for the purpose of informing both licensees and the public about best practices.

For more information on PEO's guideline and development process, which includes PEO's standard form for proposing revisions to guidelines, please read our document:

http://peo.on.ca/index.php/ci_id/23427/la_id/1.htm

For a complete list of PEO's guidelines please visit the following PEO website:

http://www.peo.on.ca/index.php/ci_id/1834/la_id/1.htm

II. PREFACE

In 2013, the Professional Standards Committee (PSC) prepared terms of reference for a subcommittee instructing them to review the existing "*Professional Engineers Providing Services in Solid Waste Management*" guideline (1993) and in consideration of changes to legislation affecting the industry and professional engineering, revise that document to better reflect current practices. This guideline is to be used by professional engineers who are involved in solid waste management projects and/or those retaining professional engineering services in solid waste management.

In all cases, however, the engineer must still review and comply with legislative, regulatory and approval requirements applicable to the project.

As part of this process, policies of other professional bodies in the Province of Ontario and engineering licensing organizations in other jurisdictions were reviewed.

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Appendix 1 – List of relevant legislation

For Approval

1. PURPOSE AND SCOPE OF GUIDELINE

This document provides guidance to those providing or retaining engineering services relating to the planning, design, construction, commissioning, operation, monitoring, and/or closure of solid waste management systems. It is primarily related to solid non-hazardous waste, but can be applied in whole or in part to waste management systems for other wastes as well. Solid non-hazardous waste describes refuse generated from domestic, industrial, commercial or institutional sources. In general use (and for the purpose of this guideline) it excludes wastes that are hazardous, radioactive or liquid. For the purpose of this guideline, solid waste includes dewatered solids (for example dry bio-solids from wastewater facilities), but not liquid or sludge. This document does not address the collection and hauling of waste.

The provision of these services is multi-disciplinary in nature and involves not only a broad cross section of engineering disciplines, but a wide variety of non-engineering disciplines, including the natural and social sciences, legal counsel, public, stakeholder and Indigenous community/group consultation/engagement. It is crucial to the successful implementation of any solid waste management project that an integrated team possessing the necessary specialized expertise be assembled. While the overall process or the individual elements of planning, designing, constructing, commissioning, operating, monitoring and/or closing of a solid waste management system may not be led by an engineer; engineers will play key roles in related activities. It is in this spirit that this guideline has been prepared.

The recommendations provided in this guideline are considered by the PEO to be commensurate with the professional responsibilities of engineers. This guideline should be used in conjunction (as appropriate) with the guideline *“Use of Professional Engineer’s Seal”*, *“Professional Engineers Reviewing Work Prepared by another Professional Engineer”* and *“The Professional Engineer as an Expert Witness”* as well as the legislation and guidance documents that are prepared by approval authorities.

Important Notes:

References in this guideline to the term engineers apply equally to professional engineers, temporary licence holders, provisional licence holders and limited licence holders.

For the purposes of this guideline the term the public interest refers to the safeguarding of life, health, property, economic interests, the public welfare and the environment.

The recommendations contained in this guideline are not intended to be exhaustive. It is the engineer’s responsibility to ensure that appropriate and up to date reference documents are properly consulted when performing engineering work related to solid waste management systems.

Current legislation and regulations prevail in the event of any discrepancies between this guideline and the legislation and regulations.

Solid waste management systems typically require approvals under Part V of the *Environmental Protection Act* but may also be subject to other approvals (e.g. air, odour control, noise, sewage and/or water).

2. BACKGROUND

2.1 Relationship between Engineering and Solid Waste Management

Engineers involved in projects related to solid waste management systems identify technically feasible, cost-effective solutions that minimize environmental and human health impacts and consider socio-economic impacts of affected communities.

In order to determine the most appropriate solution, engineers follow a process that begins with defining the solid waste management challenge to be resolved and identifying regulatory and other compliance requirements. They then evaluate the technical feasibility, costs, and potential environmental, human health and socio-economic impacts of appropriate options to assist decision-makers in determining the preferred alternative.¹

2.2 Responsibilities

O. Reg. 941/90 under the *Professional Engineers Act* cites the requirements with which engineers practicing in Ontario must comply. These requirements provide all stakeholders with the assurance that proposals for solid waste management systems put forward by engineers are based on sound technical, environmental and economic data.

Notwithstanding any responsibilities engineers have in accordance with the *Professional Engineers Act*, engineers involved in solid waste management engineering must be familiar with federal, provincial and municipal legislation, regulations, policies, materials and guidelines that apply to their own particular discipline or area of expertise. The permit process, approvals requirements and compliance issues for a particular solid waste management system will vary depending on the site and type of facility. It is important that engineers and their team be cognizant and knowledgeable of all requirements in this respect, including changes and revisions as they occur.

2.3 Challenges

Discussions about solid waste management projects can be contentious and decisions may be influenced by political and community viewpoints and stakeholder dissent. Dissent can be due to a lack of accurate information about fiscally viable, environmentally-appropriate solutions, or by focusing too soon on a course of action without the full investigation of all reasonable options and effective and transparent public, stakeholder and Indigenous community/group consultation/engagement. To help overcome these constraints, stakeholders should be engaged and educated on the merits of the science and engineering underpinning a proposed solid waste management system.

¹ The source of some of the information in this section is from the October 2007 Solid Waste Management Position Paper prepared by the Ontario Society of Professional Engineers (OSPE).

2.4 Key Legislation

In Ontario, solid waste management is primarily governed by the *Environmental Protection Act* (EPA) and the *Environmental Assessment Act* (EAA). The EPA provides for the protection and conservation of the natural environment (air, land and water or any combination thereof) and Part V of the EPA deals with waste management. In addition, there are a number of regulations made under the EPA that deal specifically with waste. For example, O. Reg. 347 – *General Waste Management* defines various types of wastes, places requirements on generators, carriers and receivers of wastes and sets approvals requirements and exemptions for specific wastes, waste disposal sites and waste management systems (e.g., agricultural waste, and individual collection systems are exempt from Part V of the EPA and O. Reg. 347). Additionally, depending on the management and end-uses of certain wastes, the *Nutrient Management Act, 2002* may apply.

Current EPA definitions of “waste disposal site” and “waste management system” are provided in Section 5 of this guideline.

Part V of the EPA requires applicants to obtain an Environmental Compliance Approval (ECA) for waste management from the Ministry of the Environment and Climate Change (MOECC) to use, operate, establish, alter, enlarge or extend a waste disposal site or a waste management system. Information necessary to support an application for an ECA usually requires engineering documentation. The decision on whether to issue an ECA is the responsibility of the Director, appointed under the EPA by the Minister of the MOECC. Although not explicit in the regulations, for certain waste disposal sites, the Director may require public, stakeholder and Indigenous community/group consultation/engagement under Part V of the EPA.

Part V of the EPA also provides authority for the Director to request a public hearing before the Environmental Review Tribunal (ERT) for a proposal; engineers could be required to testify at such hearings. If a hearing is held, the Director will implement the ERT decision or any party to the hearing may appeal the ERT decision based on:

- (a) a question of law, to the Divisional Court; and
- (b) a question other than a question of law, to the Minister of the MOECC.

Certain waste management projects require approval under the EAA, as well as the EPA. The EAA provides for the protection, conservation and wise management of the environment. The EAA definition of “environment” is broad and is provided in Section 5 of this guideline.

A project to which the EAA applies is termed an “undertaking”. The definition of “undertaking” under the EAA is provided in Section 5 of this guideline. For an undertaking that is subject to an individual environmental assessment, the Minister of the MOECC decides, with the approval of the Lieutenant Governor in Council, whether or not to approve it. The Minister may also refer a matter that relates to an application for approval of an individual environmental assessment to the ERT, or another tribunal or entity, for a hearing and decision.

An individual environmental assessment is not required for all undertakings. Streamlined environmental assessments processes are available for some routine projects that have predictable and manageable environmental effects. Proponents of these types of projects follow a self-assessment and decision-making process. Approval is not directly granted for each project. Streamlined self-assessment processes have been established through Class Environmental Assessments, the Electricity Projects Regulation, the Waste Management

Projects Regulation, and the Transit Projects Regulation.

Under the EAA, no other legal authorizations, such as approvals, licences, and permits, that are required to proceed with the undertaking, can be issued until the proponent receives approval under the EAA to proceed with the undertaking. As a result, EAA and EPA processes are generally carried out sequentially.

A consolidated hearing can be held if multiple hearings are required before different tribunals on matters related to the same project. The proponent of an undertaking to which the *Consolidated Hearings Act* applies may request a consolidated hearing in order to have a Joint Board consider all of its approvals under the Listed Acts, as defined in Reg. 173 (Hearings) under the *Consolidated Hearings Act*, and to make a decision.

Five principles that are key to successful planning and approval under the EAA are:

1. Consult with potentially affected and other interested parties;
2. Consider a reasonable range of alternatives;
3. Consider all aspects of the environment;
4. Systematically evaluate environmental effects; and
5. Provide clear and complete documentation.

The amount to which these items are required to be considered and documented vary based on the process (e.g. individual EA, Class EA, Environmental Screening process).

Other approvals may be required, including ECA approvals for discharges to air, land and water. Other legislation relevant to solid waste management includes, but is not limited to key Acts, regulations and guidelines outlined in Appendix 1.

3. SOLID WASTE MANAGEMENT – FUNCTIONAL ELEMENTS AND COMPONENTS

The practice of professional engineering related to solid waste management often involves a complex legal, technical and social environment.

The following section describes the various elements of solid waste management, and the role and reasonable expectations of engineering practitioners engaged in solid waste management projects.

3.1 Functional Elements

The functional elements of a solid waste management system are shown on Figure 1.

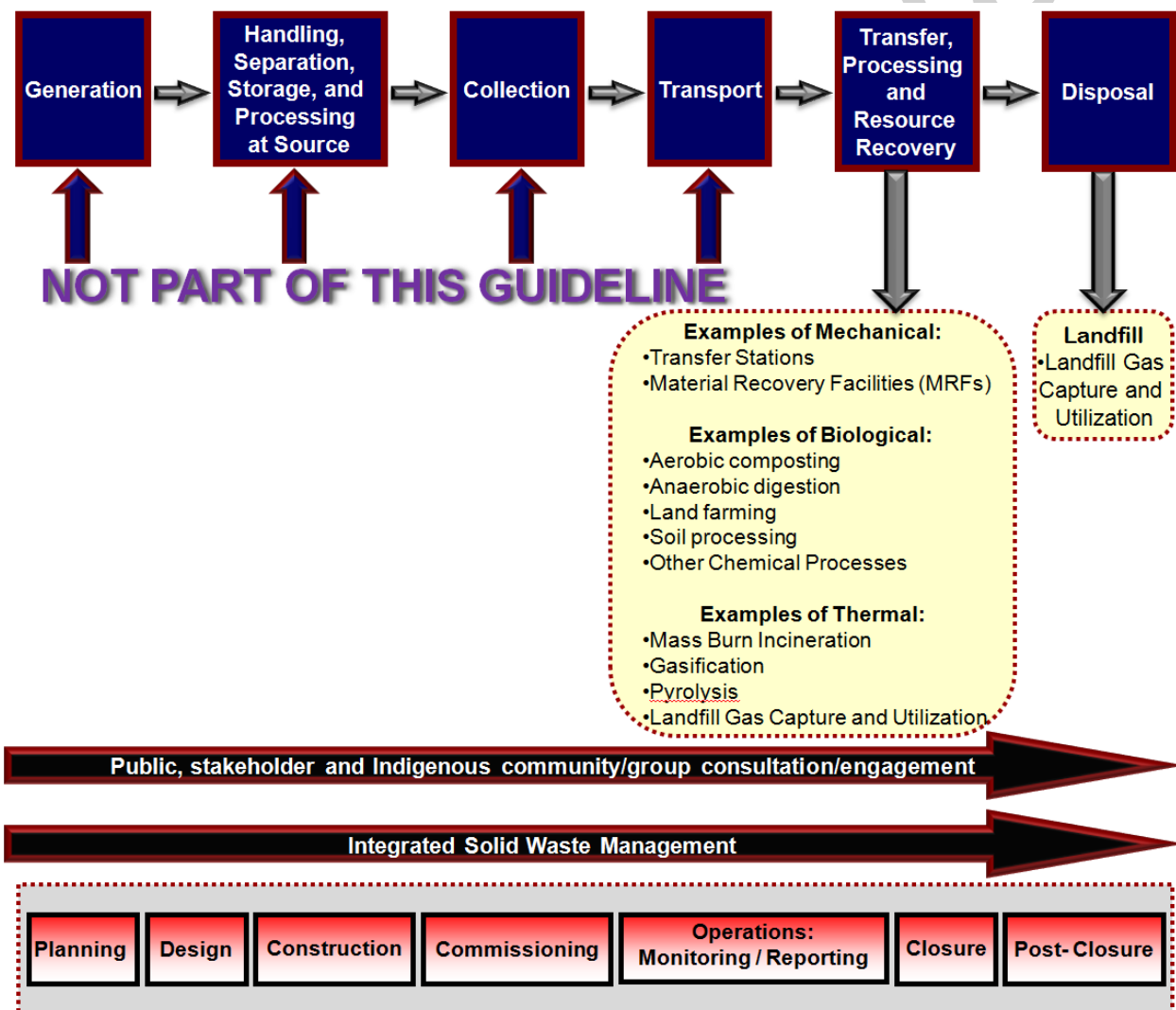


Figure 1: Functional Elements of Typical Integrated Solid Waste Management System

The following table provides a more detailed overview of solid waste management engineering activities. The list is not intended to be exhaustive, but rather highlights typical reports, documents and approvals associated with the components above:

Table 1: Typical Reports/Documents and Potential Approvals by Stage

Stage	Typical Reports/Documents	Potential Approvals
Planning	<ul style="list-style-type: none"> • Municipal Master Plan Report; • Feasibility Study; • Terms of Reference (ToR) for Individual EA; • Environmental Assessment (EA) Report; • Project Description Report. 	<ul style="list-style-type: none"> • EA Terms of Reference (ToR); • Approved EA; • Green Energy Act (GEA) or Renewable Energy Approval; • Zoning bylaws.
Design	<ul style="list-style-type: none"> • Preliminary/ Conceptual Design Report; • Design Brief; • Base Design Features Report; • Design and Operations (D&O) Report; • Detailed Design; • Contract Drawings and Specifications; • Applicable Studies (e.g., hydrogeological, geological). 	<ul style="list-style-type: none"> • Environmental Compliance Approval (ECA); • Environmental Activity and Sector Registry (EASR); • Site Plan Approval; • Conservation Authority Approval; • Niagara Escarpment Commission (NEC); • Applicable municipal, Provincial and/or federal Approvals; • Permit to Take Water; • Renewable Energy Approval (REA).
Construction	<ul style="list-style-type: none"> • Construction Quality Assurance/Quality Control plan (QA/QC); • As-built and Record Documents. 	<ul style="list-style-type: none"> • Building Permit.
Commissioning	<ul style="list-style-type: none"> • Operation and Maintenance (O&M) Manuals; • Post-Construction Summary Report; • Applicable Inspections. 	<ul style="list-style-type: none"> • Technical Standards & Safety Authority (TSSA); • Electrical Safety Authority(ESA).
Operations (Monitoring, Inspection and Reporting)	<ul style="list-style-type: none"> • Annual Monitoring Report; • Annual Operation Report; • National Pollutant Release Inventory (NPRI); • Federal & Provincial Greenhouse Gas (GHG) Reporting; • Waste Diversion Ontario (WDO) reporting. 	<ul style="list-style-type: none"> • Amendment to existing approval(s) as required.
Closure	<ul style="list-style-type: none"> • Closure Plan. 	<ul style="list-style-type: none"> • Approval of Closure Plan.
Post-closure	<ul style="list-style-type: none"> • Care and Monitoring Reports - Landfill; • Decommissioning Report. 	<ul style="list-style-type: none"> • MOECC Review.

The following subsections provide additional details related to the reports and approvals referenced in Table 1.

Proactive communication with stakeholders is important throughout the life of a project because of the potential for a high degree of public scrutiny associated with solid waste management projects.

3.2 Planning

Many solid waste management projects require a planning phase, which often includes public, stakeholder and Indigenous community/group consultation/engagement, in order to proceed. The projects may also be subject to municipal, provincial or federal planning level approvals.

This section outlines the general process required by O. Reg.101/07 under EAA regarding an individual EA or ESP. However, projects requiring planning approval under other existing legislation, such as Renewable Energy Approvals Regulation (O. Reg. 359/09) made under the EPA, must adhere to specific approaches outlined in the applicable legislation and associated regulations and guidelines.

Planning activities typically require multi-disciplinary teams. Team members are generally involved in three distinct activities: system design or development; assessing the impact of the proposed system on a defined environment, and consulting throughout the planning process with stakeholders, including the public and applicable government agencies. Public, stakeholder and Indigenous community/group consultation/engagement should begin as early as possible in the planning process so that concerns can be identified and addressed before final decisions and commitments are made on the selected approach or specific proposals. The planning process should be developed in consideration of the involvement and ongoing contributions of potentially affected and/or interested public, indigenous community and any other stakeholders.

The basic stages in the planning phase, which are generally documented in a report, are:

- Problem/issue definition;
- Identification of alternatives;
- Evaluation of alternatives;
- Preferred alternative selection;
- Detailed evaluation of preferred alternative;
- Preferred alternative implementation;
- Public, stakeholder and Indigenous community/group consultation/engagement.

The elements of these seven stages are outlined below. The overarching process employed to arrive at a preferred alternative includes: identify alternatives, screen alternatives, consider impacts and mitigation to minimize risks and impacts, comparatively evaluate alternatives from a net effects perspective, and select preferred alternative with consultation throughout this process.

1. Problem/Issue definition

Details the problem to be resolved or the opportunity to be realized, and then documents and justifies the need for the resolution or opportunity in a broad context.

2. Identification of alternatives

Develops a comprehensive list of alternative approaches or technologies which may be able to meet the defined need; screens out alternatives which either on their own or in conjunction with others are not reasonable or cannot meet the need, and describes the remaining alternatives within a systems context to allow subsequent evaluation.

3. Evaluation of alternatives

Criteria should be developed to assess the effects of the alternatives on the environment. The criteria should be linked to each component of the environment (such as the natural, social, economic and cultural environments) and a description of the effects of each of the alternatives on the environment is required. The criteria and evaluation should include consideration of public, stakeholder and Indigenous community/group consultation/engagement.

4. Preferred alternative selection

Based on the evaluation of alternatives, a preferred alternative is identified and accompanying documentation needs to support the robustness and transparency of the evaluation process.

5. Detailed evaluation of preferred alternative

Once a preferred alternative is identified, it may require more detailed investigation, as the initial evaluation of alternatives may not provide sufficient detail for design purposes.

6. Preferred alternative implementation

Once the preferred solution has been determined, conceptual design, detailed design and construction of the system or facility is completed.

7. Consultation with Public, Stakeholder and Indigenous communities/groups

Consultation is a two-way communication/engagement process to involve interested persons or groups in the planning of a proposed undertaking and it should be implemented through all stages of the planning process discussed above.

3.2.1 Environmental Approval -- Environmental Assessment or Screening

The following provides an overview of the provincial environmental approvals that may be required for a solid waste management project. It is recommended that pre-consultation with approval agencies be completed.

In order to provide a more standardized approach, the MOECC developed EA requirements for waste management projects which apply equally to both public and private sector proponents. The O. Reg. 101/07 and the “*Guide to Environmental Assessment Requirements for Waste Management Projects*” dated March 2007 (as amended) set out the standard approach to EA requirements. The above identified documents should be referred to during the EA process.

O. Reg. 101/07 designates two types of activities related to waste management projects: establishment and change. Under O. Reg. 101/07 waste management projects are generally classified based on:

- the type of waste to be managed;
- the size and type of the proposed facility;
- the ability of the planned facility to recover energy from the waste; and
- the use of any other fuel in the treatment process for thermal treatment sites.

O. Reg. 101/07 identifies two types of EA processes:

1. Certain waste disposal projects require an individual EA under Part II of the EAA. This includes the development of Terms of Reference (ToR) and EA that must be approved by the Minister.
2. Some projects are exempt from the requirements of Part II of the EAA, provided the Environmental Screening Process (ESP) is followed. The ESP is a proponent-driven, self-assessment process and includes a minimum of four public, Indigenous communities/groups and government agency consultation periods. There are provisions in the ESP for the public to request and the MOECC to consider the elevation of a project from the ESP to an individual EA.

O. Reg. 101/07 also contains exemptions for certain projects from the EAA. An exemption from the EAA under O. Reg. 101/07 does not exempt the proponent from any other applicable approval requirements under any other legislation, such as the EPA.

3.3 Design

There are generally three stages to design (conceptual, preliminary and detailed), and they are further described below. As an aid to the design process, reference is made to various specific Acts and Regulations in the following sections of this document. The reader is cautioned that it remains the responsibility of the Engineer to confirm the applicability of any regulation or statute – whether explicitly referenced in this document or not – at the time at which work is being or to be conducted.

3.3.1 Conceptual Design

The conceptual design will be sufficient to demonstrate the feasibility of the proposed system or facility on a site-specific basis. It will include the proposed system capacity, the components necessary to ensure functionality (e.g. servicing requirements), environmental protection and conceptual level cost estimates.

3.3.2 Preliminary Design

The development of preliminary designs for a waste disposal facility often requires a multi-disciplinary team to consider the technical issues and impacts of the proposed facility at the proposed site and vicinity, and then develop a Design and Operations report recommending measures to mitigate those impacts.

3.3.3 Detailed Design

The detailed design will build on the conceptual and preliminary design and, in some cases, on experience gained in earlier phases of the project or on technological advances. The detailed design will include the preparation of detailed plans and specifications as needed for approvals or permits and, subsequently, as suitable for tendering and construction purposes.

The detailed design drawings and specifications for facilities may involve contract drawings and specifications for site preparation only. A long term operations plan may or may not be contracted out by the owner. Engineers are often required to develop a detailed Operations Manual and tender documents for the operation of facilities as part of the final design process.

The detailed design must satisfy the conditions of approval provided under any permits previously issued. Typically, such conditions are satisfied by the submission and approvals or approval of a final set of drawings and specifications to the appropriate regulator(s).

3.3.4 Environmental Compliance Approval and Environmental Activity and Sector Registry

The following provides an overview of the provincial environmental approvals that may be required for a solid waste management project. It is recommended that pre-consultation with approval agencies be completed.

Environmental Compliance Approvals (ECAs), issued under Part II.1 of the EPA, are required under:

- subsection 9(1) (i.e., air, noise, vibration, odour, etc.) of the EPA, or
- subsection 27(1) (i.e., waste disposal site, waste management system, etc.) of the EPA, or
- subsection 53(1) (i.e., sewage works, stormwater management) of the *Ontario Water Resources Act* (OWRA)

A single ECA application package can be submitted for multiple activities and projects in multiple media, e.g. for air, waste and wastewater. An ECA with Limited Operational Flexibility allows for certain modifications (e.g., operational, equipment, infrastructure) to be made to a site over time without having to seek amendments to the ECA for those “pre-approved” modifications.

The “*Guide to Applying for an Environmental Compliance Approval*” dated December 2012 should be referred to during the preparation of an ECA application package. The MOECC requires the proponent to submit a complete ECA application for approval of a waste disposal site. Applications for ECA Regulation, O. Reg. 255/11 made under the EPA (ECA Application Regulation), set out prescribed requirements for a complete ECA application. The minimum ECA application requirements set out in the ECA Application Regulation include, but are not limited to, the following:

- Submission of correct application form, fees payment and all the applicable information requested;
- Providing a summary of project description;
- Providing a detailed project and process description;
- Providing information about ownership, land use and municipal zoning;
- Providing a site plan and other applicable maps, plans and drawings; and

- Providing a financial assurance calculation and rationale, if required.

The proponent is required to sign the application certifying the completeness and that the information submitted is accurate. An incomplete ECA application can be returned by the MOECC without considering whether to issue or refuse an ECA. Some waste management activities are eligible for registration of their activities through the MOECC Environmental Activity and Sector Registry (EASR) prescribed by the regulations under subsection 20.21 of Part II.2 of the EPA.

The MOECC is also working on expanding activities and sectors that would qualify under the EASR. At the time of writing, the only EASR related to waste was for the collection and hauling of non-hazardous waste (which is not part of this guideline). However, in future there may be other components of a solid waste management project that may qualify under the EASR.

The Design and Operations (D&O) report is the principal document where the details of a waste disposal site are presented. The report will include engineered systems necessary to mitigate environmental impacts from the site. The report will also describe site description, facility design and layout, facility operations, quality assurance, maintenance program, staff training requirements, potential nuisances and control program, contingency and emergency response plans, documentation (record keeping), environmental monitoring and controls, system redundancy/contingency measures, site closure and post-closure monitoring and maintenance.

Financial assurance is typically required for private sector proponents to ensure that funds are available for closure and remediation (if necessary) of a site and, if appropriate (e.g. landfill sites), for long-term care and monitoring. For additional information on the financial assurance, please refer to the MOECC's document "*F-15, Financial Assurance Guideline*".

Key considerations for determining the amount of financial assurance are including:

- The equipment and facilities on the site;
- The total volume of waste on site;
- The nature of the waste/material on site; and
- The extent of soil contamination at the site.

An evaluation or update of financial assurance for a landfill site covers closure and post-closure care, and contingency plans, throughout the contaminating life span of the site:

- Closure cost – should cover as a minimum the cost of site closure works.
- Post-Closure cost – should cover as a minimum, the cost of post-closure care, monitoring and reporting.
- Project Management Fees.
- Contingency – an additional amount is required for contingencies such as leachate and landfill gas management and removal and cost of hiring a third party to oversee clean up of the site.

O. Reg. 232/98 (*Landfilling Sites Regulation*) made under the EPA specifies certain financial assurance requirements for landfill sites, and MOECC's *F-15, Financial Assurance Guideline* provides information for estimating financial assurance.

3.3.5 Renewable Energy Projects

Renewable energy projects that will use biomass (defined in Definitions and Exemptions Regulation (O. Reg. 160/99) made under the (*Electricity Act, 1998*) for electricity production are subject to the Renewable Energy Approvals (REA) Regulation (O. Reg. 359/09) made under the EPA. Depending on the nature of the projects, anaerobic digestion facilities and thermal treatment facilities could be subject to, O. Reg. 359/09, O. Reg. 347, O. Reg. 267/03, O. Reg. 101/07 or O. Reg. 116/01 (*Electricity Projects Regulation*). Engineers providing guidance or involved with the development of renewable energy projects or energy from waste projects should know which regulations apply to any waste-based electricity project.

3.4 Construction

Listed below are some special issues which are of particular relevance to solid waste management facility construction:

- Other permits and licences may contain conditions relating to certain aspects of the facility's construction. The engineer responsible for construction oversight must be aware of all such conditions and other permit requirements, in addition to requirements in the ECA.
- In addition to the detailed material testing reports and other records maintained during construction that are typical of engineering works, the contract administrator/construction inspector or an independent auditor may be required to complete a post-construction report for submission to the MOECC to demonstrate that the facility (e.g. landfill site) was constructed in accordance with the approved design. This may include records for special features, such as landfill liners or pollution control systems.
- As part of the D&O report, specific requirements may be set out relating to monitoring and minimizing potential construction impacts from nuisance/discharge/emission. These may be related to both on-site and off-site impacts. Engineers should be aware of these requirements and ensure compliance.

3.5 Commissioning

The extent of commissioning activities will vary depending upon the nature of the project and the associated facilities. Certain facilities may require commissioning activities for process equipment including mechanical, electrical, instrumentation and control systems. Typical commissioning activities may include, but are not limited to:

- Post-construction report for landfills;
- Site Preparation Report (including drawings) for landfills (as defined in O.Reg 232/98);
- Noise audits for renewable energy facilities;
- ECA approvals for air, odour control or waste water;
- Site acceptance tests; and
- Pre-start Health and Safety Review.

3.6 Operations

The operation of a solid waste management facility comprises a number of components of which engineers should be cognizant in the preparation of an Operations Manual. Such components may also be identified within the ECA.

ECA holders are required to ensure they comply with all the terms and conditions of their ECAs as well as other applicable regulations, policies and guidelines including the impact of the solid waste management facility on the neighboring natural and social environments. The same would also apply to any person carrying out work or operating such a facility.

3.6.1 Operations Manual

The Operations Manual should address the control and administration of activities within the solid waste management facility (including equipment, personnel, waste, data/information processing, financial documents, and users/clients) and the reporting of the performance and efficiencies of these activities. ECAs will typically require that an Operations Manual be prepared for a project, and may identify specific requirements that need to be followed. The list below is an overview of what an Operations Manual might include:

- Staffing
- Performance measures
- Abatement activities
- Mode of operation(s)
- Health and safety
- Operating reports/activity diaries/daily logs/progress/field reports
- Records/files
- Equipment
- Facility security
- Inspection and maintenance of facility/operations/equipment
- Control of users
- Waste load recording
- Transaction ticket form/mode of fees/billing procedures
- Budgeting/cost control
- Contracted services
- Public involvement
- Emergency and complaint response procedure
- Staff training

3.6.2 Monitoring and Reporting

During operations, the monitoring, recording and reporting of the performance of the solid waste management facility and environmental controls are required in order to satisfy the requirements of various agencies and regulators with respect to performance and compliance, in addition to ensuring the receipt of funding (from Waste Diversion Ontario, for example). This information may then be used to improve performance and for long-range planning of solid waste management facilities. It may also be used to help identify new processes and markets.

Typical reports include annual reports to the MOECC with individual sections dedicated to a discussion of environmental controls including groundwater, surface water, air and gas collection systems, and federal National Pollutant Release Inventory (NPRI) and greenhouse gas (GHG) reporting.

Annual reporting to the MOECC is either completed by a site operator and/or by a Qualified Person, depending on the type of report.

Practitioners should consult the MOECC guideline “*Monitoring and Reporting for Waste Disposal Sites Groundwater and Surface Water*”.

3.7 Closure

Solid waste management facilities may require Closure Plans at the end of their service life. For a landfill, this is typically completed at least two (2) years prior to the anticipated date of closure of the waste management site, or the date 90 per cent of the total waste disposal volume is reached, whichever occurs first (refer to Landfill Standards: A Guideline On The Regulatory And Approval Requirements For New Or Expanding Landfilling sites for O.Reg 232/98). For other facilities, such as waste processing, transfer, composting sites, etc., this may be completed 4 to 6 months prior to closure.

A closed landfill site will require long-term care and monitoring, while other waste management facilities may just require appropriate decommissioning upon site closure.

For landfills, the Owner/Operator should prepare a detailed site Closure Plan in conformance with the conditions of the ECA and other applicable approvals, pertaining to the termination of the landfilling operations, post-closure inspection, maintenance, monitoring, reporting and end-use plan for the site. This should be submitted to the Director of the MOECC, for approval, with copies to the local District Office of MOECC, the appropriate stakeholders, and the established Public Liaison Committee (if applicable).

The Site Closure Plan should include the following sections as a minimum:

- **Introduction** - The introduction should provide highlights of the site ownership, location, approved area and capacity, design principles of the site, regulatory legislation, and a brief summary of the facility operation, including the type of waste received and other solid waste management operations carried out at the site, and the conceptual plan proposed for use of the site after the site is closed and rehabilitated (if required).
- **Site Closure Works** - This section describes activities to maintain the Site in a manner that is aesthetically pleasing and ensures long-term protection of the environment. The site closure activities should include the following:
 - a. A plan (i.e., engineering drawing), commonly called “Site Grading Plan” showing site appearance after closure, including drainage, control, treatment and monitoring features, landscape, final cover details, etc.;
 - b. Description of final cover design details, specifications and tendering and construction procedures (if applicable);
 - c. Description of the control and management of leachate, surface water, groundwater and landfill gas;
 - d. Descriptions of the procedures for closure of the site, including:
 - i. advance notification to the public of the landfill closure;

- ii. posting of a sign at the site entrance indicating the landfill is closed and identifying any alternative waste disposal arrangements;
- iii. construction of the final cover, site access roads and landscaping;
- iv. site security fencing and lockable gates;
- v. removal of unwanted landfill-related structures, buildings and facilities;
- vi. final construction of any control, treatment, disposal and monitoring facilities for leachate, groundwater, surface water and landfill gas; and
- vii. complaint contact and response procedures.
- **Inspection and Maintenance** - Description of the procedures and schedules for post-closure care of the site, including:
 - a. Operation, inspection and maintenance of the control, treatment, disposal and monitoring facilities for leachate, groundwater, surface water and landfill gas; and
 - b. Inspection and maintenance programs for the final cover, site security fence and gates, and access roads.
- **Compliance Monitoring Programs** - Description of monitoring programs for groundwater/leachate, surface water and landfill gas to assess compliance with applicable legislation, ECA and to evaluate the performance of the landfill site as designed.
- **Trigger Mechanism and Contingency Plan** - including
 - a. Description of trigger monitoring programs for groundwater/leachate, surface water and landfill gas, including trigger mechanism and locations to assess the need for implementation of contingency action; and
 - b. Description of contingency plan to be implemented.
- **End-use Plan** - A description and design of the proposed end-use of the site, including design brief and details shown on plans as appropriate.
- **Financial Assurance** (if applicable) - an update of the cost estimate for financial assurance and the amount which has been provided to the Director of the MOECC.

3.8 Post-Closure

Since the implications of the contaminating life of landfilled waste could extend to hundreds of years, post-closure care, monitoring and maintenance is an essential part of landfill site operations. The post-closure care requirements should be itemized and costed during design, and the financial planning should be initiated upon approval of the facility for such things as:

- access;
- vegetation/landscaping;
- erosion/settlement;
- storm drainage control;
- leachate management;
- gas management;
- annual monitoring; and
- remedial contingencies.

Post-closure reports for landfills are generally required for:

- record keeping and reporting on post-closure inspection/maintenance, results of monitoring programs and an interpretation of the results;
- an assessment of the adequacy of and need to implement the contingency plans for groundwater/leachate, surface water and landfill gas; and
- an updated estimate of the contaminating life span of the site, based on the results of the monitoring programs to date.

In accordance with Section 46 of the EPA, MOECC Minister approval is required if development is proposed on a closed landfill site less than 25 years from closing.

3.9 Special Services

Due to the controls needed to safeguard the natural environment, the complexity of technology used and the strict regulatory requirements, some of the following special services may be required, including but not limited to:

3.9.1 Testimony

The approvals process may involve hearings and the testimony of engineers at these hearings. Testimony may also be required at hearings, courts of law, discoveries, through interrogatories, and before committees. Such testimony should be confined to expert testimonials that are within an engineer's realm of expertise and experience. It could also involve directly consulting with counsel before, during and after hearings and involvement during discoveries and interrogatories. The purpose of expert testimony is to provide unbiased truthful information to assist the judge, board or inquest jury to reach a sound decision.

For more information on providing Expert Witness, please refer to the PEO guideline "*The Professional Engineer as an Expert Witness*".

3.9.2 Advisory Services

Engineers may be retained to provide advisory services to parties opposed to a proposed facility or system. Engineers must be aware of their responsibilities under the Code of Ethics with respect to the review of another engineer's work. Advice on alternative proposals for other stakeholders should be included in this section.

For more information on engineers providing technical review of another engineer's work, please refer to the PEO guideline "*Professional Engineers Reviewing Work Prepared by Another Professional Engineer*".

3.9.3 Closed Landfills/Dumps

There are numerous sites in the province where historic waste disposal activities have taken place, however no Closure Plan is available or on-going monitoring conducted. These sites may be located close to land proposed for development, such as residential or commercial buildings or for new groundwater supply wells. In these instances, the engineer may be required to work with proponents, stakeholders and regulators to develop a plan to assess the potential impacts from a known historic waste disposal site, and identify monitoring and/or remedial measures as necessary.

4. BEST PRACTICES

4.1 What Needs to be Sealed?

Engineers must seal all final documents that are within the practice of professional engineering, provided as part of a service to the public.

For more information on what needs to be sealed, please refer to the PEO guideline “*Use of the Professional Engineer’s Seal*”.

4.2 Waste Management Hierarchy and the Proposed New Waste Framework

An engineering practitioner may engage in a hierarchy of activities relevant to solid waste management. The province’s *Waste Diversion Act (2002)* promotes a hierarchy of waste reduction, reuse, and recycling (the three Rs), and prohibits programs from promoting the burning, landfilling, or land application of designated material. It should be noted that the use of waste as a fuel or energy source, or to create materials used as fuel or energy sources, is not included in the definition of the three Rs in Ontario. Other variations of this hierarchy, which has also been adopted as a best practice by many jurisdictions can be stated as follows:

1. Reduce - Prevent waste generation where possible;
2. Reuse waste for other purposes;
3. Recycle waste through the creation of other useful products;
4. Thermally treat, change the form, and reduce the volume of the combustible fraction of the waste stream and recover the energy while safely disposing of or using the by-products of combustion;
5. Landfill waste in an engineered landfill in a suitable location and collect and utilize methane and other gases as a source of energy.

The Province has proposed a new framework for waste which includes new legislation and a strategy. The proposed legislation, called the *Waste Free Ontario Act*, is currently being considered by the legislature. If passed, it would replace the *Waste Diversion Act, 2002* and would establish an outcomes-based producer responsibility regime for their products and packaging.

The draft strategy called “Draft Strategy for a Waste-Free Ontario: Building the Circular Economy” works with the proposed legislation to provide a roadmap for the province to transform its existing waste diversion framework and move toward a circular economy. The strategy proposes a vision, goals, key actions and performance measures. The final strategy will be released once all public, stakeholder and Indigenous community/group consultation/engagement and reviews have been completed. The following vision and goals are proposed in the strategy:

Vision:

- *A circular economy where we have zero waste and zero greenhouse gas emissions from the waste sector and where all resources, organic or non-organic, are used and reused productively, maximizing their potential and reintegrating recovered materials back into the economy.*

Goals:

- Zero waste in the Province.
- Zero greenhouse gas emission from the waste sector.

Interested parties should visit the government website to review the proposed legislation and strategy and to check for any final versions.

4.3 Climate Change and Extreme Weather Considerations

Projects should give consideration to climate change and extreme weather conditions. The following list provides an overview of some key ideas around this topic, but are not limited to:

- Engineers should integrate an understanding of changing climate and weather into the normal day-to-day planning, design, procurement, operation, commissioning and maintenance activities for which they are professionally responsible.
- Engineers should work with climate and meteorological specialists/experts to ensure that interpretations of climatic and weather considerations used in professional practice reasonably reflect the most current scientific consensus regarding the climate and/or weather information.
- Engineers should consider the impact of changing weather and climate conditions over the entire service life of an engineered system.
- Engineers should be aware of the legal liability associated with reliance on historic climatic and weather information within their professional practice.
- Engineers should use current accepted practice for return periods on storms and flooding
 - Designs should consider limitations of a predictive model using existing historical data (i.e. Hindcast Data) when forecasting maximum design events and extreme occurrences
- Engineers should consider long term terrain changes in areas subject to influence from such trends (i.e. changes in permafrost).

4.4 Duty to Report (Unsafe Situations)

The duty to report is an essential component of an engineer's commitment to professionalism. In fact, that most engineers probably don't realize that they are fulfilling this duty daily when they identify designs, processes and procedures that are unsafe, unhealthy, or uneconomical (which is detrimental to the public welfare) and then take action to correct these problems. Indeed, no engineer should disparage or renege on his or her duty to report.

Engineers have obligations both to their clients/employers and to the public. Once in a while these obligations will be in conflict. On one hand, the engineer is obligated not to disclose confidential information of the client/employer and must avoid the use of such information to the disadvantage of the client/employer. On the other hand, the PEO's Code of Professional Conduct provides that failure to report a situation that an engineer believes may endanger the safety or welfare of the public would constitute professional misconduct on the part of the engineer. There should be no doubt however as to how the engineer must act. The engineer "shall regard the practitioner's duty to public welfare as paramount" (section 77(2).i, O. Reg. 941/90). Although the engineer's ultimate responsibility is clear, there is no universally applicable procedure to be used for discharging this responsibility.

For more information on Duty to Report, please refer to the PEO guideline "*Professional Engineering Practice*".

4.5 Duty to Inform

If the practitioners are overruled by a non-technical authority where the engineer is responsible for the technical adequacy of the engineering work, the practitioners have obligations to present clearly to their employers the consequences from a deviation proposed in work. (Section 72(2).f, O. Reg. 941/90). Essentially, this is the duty to inform a non-technical person about the consequences of an action.

4.6 Conflict of Interest

O. Reg. 941/90 made under the *Professional Engineers Act* clearly describes the circumstances that create a Conflict of Interest. In section 72(2)(i) it states that “failure to make prompt, voluntary and complete disclosure of an interest, direct or indirect, that might in any way be, or be construed as, prejudicial to the professional judgment of the practitioner in rendering service to the public, to an employer or to a client” shall constitute professional misconduct. To know when disclosure is appropriate, a clear understanding of what causes a Conflict of Interest is needed.

For more information on Conflict of Interest, please refer to the PEO guideline “*Professional Engineering Practice*”.

5. DEFINITIONS AND ACRONYMS

The following definitions apply for the purposes of this guideline and may not be generally applicable in other situations.

Competent Environmental Professional

Refer to Qualified Person definition below.

Dump

A non-engineered landfill.

Engineers

References in this guideline to the term engineers apply equally to professional engineers, temporary licence holders, provisional licence holders and limited licence holders.

Environment (from EAA)

- a) air, land or water,
- b) plant and animal life, including human life,
- c) the social, economic and cultural conditions that influence the life of humans or a community,
- d) any building, structure, machine or other device or thing made by humans,
- e) any solid, liquid, gas, odour, heat, sound, vibration or radiation resulting directly or indirectly from human activities, or
- f) any part or combination of the foregoing and the interrelationships between any two or more of them, in or of Ontario.

Limited Operational Flexibility Environmental Compliance Approval

Allows for certain modifications (e.g., operational, equipment, infrastructure) to be made to a site over time without having to seek amendments to the ECA for those “pre-approved” modifications.

Municipal Waste (from O. Reg. 347):

- a) any waste, whether or not it is owned, controlled or managed by a municipality, except,
 - i. hazardous waste,
 - ii. liquid industrial waste, or
 - iii. gaseous waste, and
- b) solid fuel, whether or not it is waste, that is derived in whole or in part from the waste included in clause (a).

Qualified Person

O. Reg 153/04 defines QPs who conduct or supervise environmental site assessments to include members of Professional Engineers Ontario (PEO) and the members of Professional Geoscientists of Ontario (PGeo). The qualified person shall meet one of the following:

- the person holds a licence, limited licence or temporary licence under the *Professional Engineers Act*, or
- the person holds a certificate of registration under the *Professional Geoscientists Act, 2000* and is a practicing member, temporary member or limited member of the Association of Professional Geoscientists of Ontario. O. Reg. 66/08, s. 2.

We note that an ECA may also define a Qualified Person for a project.

Solid Waste

Generally, follows the definition of “Municipal Waste”. For this guideline, dry biosolids are included, but not liquid biosolids.

Solid Waste Management Facility

Transfer station, materials recovery facility (MRF), organics processing (e.g., aerobic or anaerobic) facility, thermal treatment facility, landfill, etc.

Solid Waste Management System

All facilities, programs, equipment and operations for the complete management of waste, including generation, handling, separation, storage, processing at source, collection, transport, transfer, processing, resource recovery and disposal.

Waste (from EPA)

Includes ashes, garbage, refuse, domestic waste, industrial waste, or municipal refuse and such other materials as are designated in the regulation.

Waste Management Engineering

Involves planning, design, construction, operation, monitoring, closure and decommissioning of a waste management system, or one or more components of a waste management system.

Waste Disposal Site (from EPA)

- a) any land upon, into, in or through which, or building or structure in which, waste is deposited, disposed of, handled, stored, transferred, treated or processed, and
- b) any operation carried out or machinery or equipment used in connection with the depositing, disposal, handling, storage, transfer, treatment or processing referred to in clause (a)

“waste disposal site” has the same meaning as in section 25; (“lieu d’élimination des déchets”)

Waste Management System (from EPA)

Any facilities or equipment used in, and any operations carried out for, the management of waste including the collection, handling, transportation, storage, processing or disposal of waste, and may include one or more waste disposal sites.

“Waste Management System” has the same meaning as in section 25. (“système de gestion des déchets”) 2010, c. 16, Sched. 7, s. 2 (15)

Undertaking (from EAA)

- a) An enterprise or activity or a proposal, plan or program in respect of an enterprise or activity by or on behalf of Her Majesty in right of Ontario, by a public body or public bodies or by a municipality or municipalities,
- b) A major commercial or business enterprise or activity or a proposal, plan or program in respect of a major commercial or business enterprise or activity of a person or persons other than a person or persons referred to in clause (a) that is designated by the regulations, or
- c) An enterprise or activity or a proposal, plan or program in respect of an enterprise or activity of a person or persons, other than a person or persons referred to in clause (a), if an agreement is entered into under section 3.0.1 in respect of the enterprise, activity, proposal, plan or program; (“enterprise”)

Director

“Director” means a Director appointed under section 5. R.S.O. 1990, c. E.19, s. 1 (2).

Acronyms

D&O Report – Design & Operations Report

EA – Environmental Assessment

EAA – Environmental Assessment Act

EASR – Environmental Activity and Sector Registry

ECA – Environmental Compliance Approval

EPA – Environmental Protection Act

ERT – Environmental Review Tribunal

ESP – Environmental Screening Process
MOECC – Ministry of the Environment and Climate Change
O&M – Operations & Maintenance
PEO – Professional Engineers of Ontario
QA/QC – Quality assurance/quality control
QP – Qualified Person
REA – Renewable Energy Approval
ToR – Terms of Reference
TSSA - Technical Standards & Safety Authority
WDO – Waste Diversion Ontario

For Approval

APPENDIX 1

The following is a list of regulations, acts, and guidance documents in force at the time of publication of this guideline which may be useful or helpful to the Engineer. It is the engineer's responsibility to ensure that appropriate and up to date reference documents are properly consulted when performing engineering work related to solid waste management facilities. Other approvals may be required, including approvals for all discharges to air, land and water.

EPA Regulations

- O. Reg. 33/08 (Stewardship Ontario)
- O. Reg. 101/94 (Municipal blue box, composting and recycling sites)
- O. Reg. 102/94 (Waste audits and waste reduction work-plan)
- O. Reg. 103/94 (Source separation program)
- O. Reg. 104/94 (Packaging audits and packaging reduction plans)
- O. Reg. 153/04 (Record of Site Condition)
- O. Reg. 169/03 (Ontario Drinking Water Quality Standards)
- O. Reg. 232/98 (Landfilling Sites)
- O. Reg. 255/11 (Applications for Environmental Compliance Approvals)
- O. Reg. 267/03 (Compost)
- O. Reg. 340, 344, 345, 347 (refillable soft drinks and milk containers)
- O. Reg. 347 (General - Waste Management)
- O. Reg. 363 (Ontario Regulation Fee)
- O. Reg. 419/05 (Air Pollution - Local Air Quality)
- O. Reg. 454/96 (Ontario Lakes & Rivers Improvement)
- O. Reg. 79/15 Alternative Low-Carbon Fuels Regulation
- O. Reg. 359/09 (Renewable Energy Approvals Regulation)

EAA Regulations

- O. Reg. 101/07 (Waste Management Projects)
- O. Reg. 101/98 (EA requirements for Waste Management Systems)
- O. Reg. 116/01 (Electricity Projects)

Federal Acts

- Air Transport Act
- Canadian Environmental Assessment Act (CEAA)
- Canadian Environmental Protection Act (CEPA)
- Environmental Contaminants Act
- Fertilizers Act
- Fisheries Act
- Nuclear Fuel Waste Act C27
- Transportation of Dangerous Goods Act

Other Provincial Acts:

- Adam's Mine Lake Act
- Aggregate Resources Act
- Consolidated Hearings Act
- Conservation Authorities Act
- Electricity Act, 1998
- Endangered Species Act, 2007

- Environmental Bill of Rights, 1993
- Environmental Review Tribunal Act, 2000
- Expropriations Act
- Food Safety and Quality Act, 2001
- Greenbelt Act, 2005
- Green Energy Act, 2009
- Health Promotion and Protection Act
- Municipal Act
- Niagara Escarpment Planning and Development Act
- Nutrient Management Act, 2002
- Oak Ridges Moraine Conservation Act, 2001
- Occupational Health and Safety Act
- Ontario Drainage Act RSO1990-cD17
- Ontario Water Resources Act
- Pesticides Act
- Planning Act
- Repair and Storage Liens Act RSO1990.R25
- Safe Drinking Water Act
- Technical Standards and Safety Act, 2000
- Tile Drainage Act
- Waste Diversion Act, 2002
- Wetlands Conservation Act RSO1990 cC27
- Consolidated Hearings Act

Guidelines / Best Management Practices:

- Guideline A-7: Air Pollution Control, Design and Operation Guidelines for Municipal Waste Thermal Treatment Facilities
- A Guide to Waste Audits and Waste Reduction Work Plans for Construction & Demolition Projects, As Required under O. Reg. 102/94
- A Guide To Waste Audits And Waste Reduction Work Plans For The Industrial, Commercial And Institutional Sectors As Required Under O. Reg. 102/94
- MOECC Guideline for an Environmental Compliance Approval
- Guideline for the Production of Compost in Ontario
- Guideline for Reporting on Landfill Gas (under 232)
- Guide to Environmental Assessment Requirements for Waste Management Projects (2007)
- Reasonable Use Guideline for Surface and Groundwater
- Guideline B-7: Incorporation of RUC into MOE Groundwater Management Activities
- Monitoring and Reporting for waste disposal sites Groundwater and Surface Water
- MOE Management of Excess Soil - A Guide for Best Management Practices
- Policy Statement on Waste Management Planning (2007)
- Landfill Standards: A Guideline On The Regulatory And Approval Requirements For New Or Expanding Landfilling Sites
- Guideline F-15: Financial Assurance Guideline
- Guide to Environmental Assessment Requirements for Electricity Projects
- International Waste Directive - Requirements for Approval of Transport Routes and Landfill Sites for the Disposal of International Waste (Landfill Disposal)
- Consultation in Ontario's Environmental Assessment Process

- Environmental approvals: hearings and public consultation.

For Approval

CONSULTATION COMMENTS

Document: Solid Waste Management
Review Period: January 15, 2016 - March 15, 2016


#	Date	Comments	Response
1.	Fri 1/15/2016 8:40 AM [REDACTED]	<p>By a quick review, some comments might be considered,</p> <p>For thermal process, emissions regulation shall be specified, especially NOx and Particle size and COx</p> <p>For dump process leaking detection/ station and how to respond shall be specified.</p> <p>Hope they will help.</p> <p>[REDACTED]</p>	<p><i>Edits made to address this concern.</i></p> <p><i>Thanks, subcommittee disagree – The guideline does not specify how engineers should do leak detection or respond to leaks. It states the following:</i></p> <p><i>There are numerous sites in the province where historic waste disposal activities have taken place, however no Closure Plan is available or on-going monitoring conducted. These sites may be located close to land proposed for development, such as residential or commercial buildings or for new groundwater supply wells. In these instances, the engineer may be required to work with proponents, stakeholders and regulators to develop a plan to assess the potential impacts from a known historic waste disposal site, and identify monitoring and/or remedial measures as necessary.</i></p>
2.	Fri 1/15/2016 9:43 PM [REDACTED]	<p>My name is Hendrik Borgdorff and I am a Professional Engineer in Ontario. My expertise is not in waste management but rather in municipal infrastructure and</p>	

		<p>land development. I have been involved in Civil Engineering since 1962. Currently I am the Quality Control/Quality Assurance Engineer for a Consulting Engineering firm. In my QC/QA activities I regularly review documents produced by my firm before they leave the office for correctness technically in my fields of expertise, for correctness of language and formatting, and for clarity in communication. It is in that spirit that I undertook to review the subject Guidelines document. Following are my comments regarding items that I believe to be errors (however minor) and one or two questions about clarity.</p> <ol style="list-style-type: none"> 1. Page ii Correct indents in Lines 2.3, 3.9 and 3.10; 2. Page iii Correct indents in Lines 4.2, 4.3, 4.5 and 4.6; 3. Page 1 Correct spacing above “Important Notes”; 4. Page 3 Fix spacing above paragraph that starts “Five Principles...”; 5. Page 6 Middle of 1st line, “detail” should read “details”; <p>2nd paragraph, 2nd line, “high degree” should read “a high degree”;</p> <p>Fix spacing above “3.2 Planning”;</p> <p>Section 3.2, in 1st line “include” should read “includes”;</p> <ol style="list-style-type: none"> 6. Page 7 Section 3, 2nd line, what does “assesses alternatives against evaluation criteria” mean? <p>Section 3.3, 1st line, replace “which” with “and they”;</p> <p>Section 3.3.1, 2nd line, “systems capacity” should read “system’s capacity”;</p>	<p><i>Thanks so much, errors are considered and fixed;</i></p> <p><i>Addressed;</i></p> <p><i>Addressed;</i></p> <p><i>Addressed;</i></p> <p><i>Changes made to address this comment;</i></p> <p><i>Agreed and addressed;</i></p> <p><i>Disagree;</i></p>
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		<p>Section 3.3.3, 1st line “preliminary design” should read “preliminary designs”;</p> <p>7. Page 8 Section 3.4.1, last line in 1st paragraph, “...Management Projects” dated March 2007 (as amended). These documents need to be referred to During the EA...”;</p> <p>Pages 8 and 9, Fix spacing between Sections 3.4.1 and 3.4.2;</p> <p>8. Page 9 Section 3.4.2, 1st paragraph, 1st bullet, place a period after “etc” in brackets;</p> <p>9. Page 10 Fix spacing between 2nd and 3rd paragraphs; Second to last paragraph, middle bullet, remove comma after “minimum”;</p> <p>10. Page 12 Section 3.7, 1st line, last word should be “of” instead of “for”; Section 3.7, 1st paragraph, middle of 3rd line, “though” should be “through”;</p> <p>11. Page 13 Last line, “of the public” should read “to the public”;</p> <p>12. Page 16 Section 4.3, 1st bullet, remove comma after ‘maintenance’ in last line;</p> <p>13. Appendix “A” Page A1 2-1, Regulation 347 is listed twice. Is that correct?</p> <p>The above are my observations and are respectfully submitted. I trust you will find them to be of some value.</p>	<p>Agreed and addressed;</p> <p>Disagree;</p> <p>Addressed;</p> <p>Addressed;</p> <p>Agreed;</p> <p>Agreed;</p> <p>Agreed;</p> <p>Agreed;</p> <p>Yes, fixed;</p> <p>Thank you again.</p>
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3.	Thu 1/28/2016 7:20 PM [REDACTED]	<p>I have briefly over viewed the proposed Guideline for Solid Waste Management. I am glad that PEO is doing this. I live in Ingersoll Ontario where we have recently been through a proposed dump environmental assessment. What really shocked me was the gap of defining technical requirements in private industry versus those used for public studies. Basically the standards for the environmental assessment were extremely low and would be thrown out of any private industry requirements management review. The environmental assessment that took place here was nothing more than a company's brochure of past landfills. I believe it was written by a technician in environmental studies. The environmental assessment is supposed to set out the thinking and requirements of what needs to be studied. However, the decisions of what needed to be studied as part of the environmental assessment was chosen based on whatever the company felt it wanted to study and was not based on any technical analysis.</p> <p>More to my point, in my industry we have a strict definition of requirements that must be developed and a rigorous requirements review process, just for the requirements for a project. The use of best practices in many industries are employed and standardized to ensure minimum level of quality. This is based on what is known as a capability maturity model. Standards are defined to a minimum maturity level. Your guideline could only meet a maturity level of 2.</p> <p>I would equate defining requirements for landfills to the environmental assessment. Further there are clear methods such as bow-tie/ Fmeca analysis that are set as standards of quality. These analyses ensure that all major concerns are identified and disposed of through analysis. Stating a "competent person shall do the work" is not</p>	<p><i>Thank you for your comments. This is beyond the scope of the guideline.</i></p>
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		<p>sufficient. I do not see these analysis methods defined in your guidelines. The definition and testing of requirements is now considered basic engineering in private industry, but your guideline only put's hope the person hired is competent. To me your guidelines should layout the minimum techical analysis process that should be completed during the design phases, as the regulation related to landfills does not. The guidelines should include the minimum standards of engineering requirements methods, design methods and test methods to meet a capability maturity of at least 3.</p> <p>Thank-you for your consideration.</p> <p>██████████</p>	
4.	<p>Mon 2/22/16 2:15 PM</p> <p>██████████</p>	<p>Dear Professional Standards Committee (PSC),</p> <p>Please find attached Mr. Larry Wilcox, P.Eng., Regional Engineer, Ministry of the Environment and Climate Change (MOECC) comments on the PEO's Guidelines for Solid Waste Management.</p> <p>Regards,</p> <p>██████████ (Renewable Energy) Environmental Approvals Branch Ministry of the Environment and Climate Change</p> <p>135 St. Clair Avenue West, 1st Floor, Toronto, ON M4V 1P5 Tel: 416-326-6095 Fax: 416-314-8452 Toll Free: 1 800 461-6290 Email: mohsen.keyvani@ontario.ca</p>	<p><i>Than you, all comments were addressed into the guideline.</i></p>

		<p>[Attachment - Mr Larry Wilcox Comments on Solid Waste Guidelines - Feb 17, 2016.pdf]</p>	
5.	<p>Tue 2/23/16 2:47 PM </p>	<p>On p. 17 of the proposed Guideline is the following:</p> <p>“Engineers have obligations both to their clients/employers and to the public. Once in a while these obligations will be in conflict. On one hand, the engineer is obligated not to disclose confidential information of the client/employer and must avoid the use of such information to the disadvantage of the client/employer. On the other hand, the PEO’s Code of Professional Conduct provides that failure to report a situation that an engineer believes may endanger the safety or welfare of the public would constitute professional misconduct on the part of the engineer. There should be no doubt however as to how the engineer must act. The engineer “shall regard the practitioner’s duty to public welfare as paramount” (section 77(2).i, O. Reg. 941/90). Although the engineer’s ultimate responsibility is clear, there is no universally applicable procedure to be used for discharging this responsibility.”</p> <p>I have highlighted what I personally consider to be the greatest challenge and moral dilemma of our day. If we have learned anything from the Algo Centre Mall disaster in Elliott Lake, we must find ways to rebuild the public trust in our profession and to show that Professional Engineers can be counted on to protect the public and the environment. Otherwise we are nothing more than spear carriers for the "whore of Babylon" (the large companies that prefer profit over truth). Until we have rebuilt our reputation, our P.Eng. seal will be looked at with some skepticism and</p>	<p><i>Thank you for your comments. This concern can be addressed in other guideline.</i></p>

		<p>distrust.</p> <p>As a self-regulating profession we clearly need to come up with a procedure for "discharging this responsibility" or I am afraid we are going see more of our members in court being charged with negligence.</p> <p>████████████████████ ████████████████</p>	<p><i>Thank you again. Your comments will be taken into our consideration.</i></p>
6.	<p>Wed 3/9/16 7:19 PM ██████████</p>	<p>Dear respected Professional Standards Committee,</p> <p>I am a professor at the School of Engineering at the University of Guelph. I teach Solid Waste Management and have carried out several solid waste projects in different parts of the world. I had a chance to go over your Solid Waste Management Guidelines and would like to provide you with my feedback.</p> <p>1. In section 2.4, page 3, the listing of five principles for a successful planning and approval includes "consider all aspects of the environment" (bullet #3). The terminology "environmental aspect" is intensively used in environmental management system such as EMAS, ISO</p>	<p><i>Great suggestion, thank you.</i></p>

		<p>14000 and cleaner production (CP). Is this what you mean? If so, I would rather define what is meant by environmental aspect.</p> <p>2. The fourth bullet “Systematically evaluate net environmental effects” is very difficult to achieve unless a life cycle assessment (LCA) is carried out. I would suggest to use this contemporary terminology of LCA instead of net environmental effects.</p> <p>3. In section 3.1 page 4, you mentioned five functional elements of waste management. According to internationally accepted ISWM, there are six functional elements. The missing one here is the “waste handling and separation, storage, and processing at the source”. This is used to be the second functional element. You should not neglect this element as part of the ISWM even if it is not part of your guideline.</p> <p>4. The figure caption (Figure 1) should be located below the figure but not above.</p> <p>5. The guideline in its current shape is perfect and helpful. I suggest to distribute the final version to all Engineering Faculties and Colleges in Ontario. This document can be very helpful to solid waste instructors as well as to students. It opens eyes for certain jurisdictions especially those related to Environmental Assessment and Environmental Compliance Approval.</p>	<p><i>No, meant what is defined in the Act.</i></p> <p><i>Agreed and addressed.</i></p> <p><i>Agreed and addressed.</i></p> <p><i>Agreed and addressed.</i></p> <p><i>Thank you.</i></p>
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		<p>I hope that my feedback would be useful and I would be happy to provide you with any assistance if needed.</p> <p>With my best wishes and regards</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>	
7.	<p>Sun 3/13/2016 4:05 AM</p> <p>[REDACTED]</p>	<p>Thank you for this opportunity to review the guidelines before publishing. Please find my points of view by attached file.</p> <p>Best Regards</p> <p>[REDACTED]</p> <p>[Attachment - Solid waste management review.pdf]</p>	<p><i>Comments are considered and addressed into the guideline.</i></p>
8.	<p>Mon 3/14/2016 3:24 PM</p> <p>Lee Weissling</p>	<p>Please accept the attached as OSPE's submission to the current consultation on waste management.</p> <p>Lee Weissling, Ph.D.</p> <p>Manager, Policy and Government Relations Tel 416.223.9961 X 230 lweissling@ospe.on.ca</p> <p>[Attachment - 03-14-16 OSPE Response to Soild Waste]</p>	<p><i>Comments are considered and addressed into the guideline.</i></p>

		Management.pdf]	
9.	Tue 3/15/16 10 :49 AM [REDACTED]	<p>The Ontario Chapter of the Solid Waste Association of North America appreciates the opportunity to provide input on the PEO Solid Waste Management Guideline. We have reviewed the guideline and believe that the PEO has done a very thorough review of the requirements for planning, designing and operating a proposed waste management facility. The guideline provides the engineering community with a complete listing of all relevant legislation that will apply in the design and permitting process as well as a comprehensive overview of the functional elements and components of solid waste management systems. In addition, the discussion surrounding the Waste Management Hierarchy is very appropriate to the current discussion surrounding the importance of reducing our waste footprint. One potential area that you may consider expanding, is the importance of the local municipal bylaws and zoning requirements in the design process however, it is also recognized that these are included as part of the overall considerations of the EAA and EPA.</p> <p>Our Chapter would like to thank you for the opportunity to review the proposed guideline. We would welcome any additional opportunities to provide input to other review processes as the need arises.</p> <p>Thank You, [REDACTED] President Ontario Chapter of SWANA</p>	<i>Great point, agreed and addressed.</i>

10.	Tue 3/15/16 2:41 PM [REDACTED]	<p>To Whom it May Concern,</p> <p>Please find the attached York Region response to the proposed Professional Engineers of Ontario Guideline for Solid Waste Management. The original signed copy (of this scan) has been sent to you via mail.</p> <p>If you have any questions or encounter any issues with the attachment, please feel free to contact Peter Kemp directly at Peter.Kemp@york.ca</p> <p>Kind Regards,</p> <p>[REDACTED] Policy & Advocacy Senior Program Analyst, Commissioner's Office, Environmental Services</p> <p>[Attachment: York Region Comments.pdf]</p>	<p><i>Comments are considered and addressed into the guideline.</i></p>
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Memorandum

C-510.2.2
Appendix C

To: All Participants of Solid Waste Management Public Consultation

From: Sherin Khalil, P.Eng., Standards and Guidelines Development Coordinator

Date: TBD

Subject: Solid Waste Management Public Consultation

On behalf of Professional Engineers Ontario (PEO) and the Solid Waste Management subcommittee, thank you for participating in this public consultation. PEO received valuable input from all participants. Your comments and suggestions are very important to PEO and are key in developing an effective guideline for engineers. The Solid Waste Management subcommittee of the Professional Standards Committee noted that many of the participants had similar concerns and suggestions.

The following is a list of key edits and responses to the concerns and suggestions received from the public consultation, which do not include grammatical and spelling corrections.

II. PREFACE

The following sentence was added to clarify the regulatory obligation for engineers:

“In all cases, however, the engineer must still review and comply with legislative, regulatory and approval requirements applicable to the project.”

2. BACKGROUND

2.3 Challenges

This section was reworded to include the, “transparent public, stakeholder and indigenous community/group consultation/engagement”, to better reflect its purpose.

2.4 Key Legislation

This section was revised to provide an example of the Regulation that deals specifically with waste.

Other edits were made throughout this section to add clarity, including the following:

...

“An individual environmental assessment is not required for all undertakings. Streamlined environmental assessments processes are available for some routine projects that have predictable and manageable environmental effects. Proponents of these types of projects follow a self-assessment and decision-making process. Approval is not directly granted for each project. Streamlined self-assessment processes have been established through Class Environmental Assessments, the Electricity Projects Regulation, the Waste Management Projects Regulation, and the Transit Projects Regulation.

Under the *Environmental Assessment Act* (EAA), no other legal authorizations, such as approvals, licences, and permits, that are required to proceed with the undertaking, can be issued until the proponent receives approval under the EAA to proceed with the undertaking. As a result, processes under the *Environmental Assessment Act* and *Environmental Protection Act* are generally carried out sequentially.”

...

“The amount to which these items are required to be considered and documented vary based on the process (e.g. individual EA, Class EA, Environmental Screening process).

...

3. SOLID WASTE MANAGEMENT - FUNCTIONAL ELEMENTS AND COMPONENTS

3.1 Functional Elements

The following changes were made to Figure 1:

- As per the internationally Integrated Solid Waste Management (ISWM) approach, “Handling, Separation, Storage and Processing at Source”, was added to the Functional Elements.
- “Landfill Gas Capture and Utilizations” was moved to the “Disposal” element.

- “Land Farming”, “Soil Processing” and “Other Chemical Processes” were added to the “Examples of Biological”.

Table 1: Typical Reports/Documents and Potential Approvals by Stage

Edits were made to this table to provide a more detailed overview of solid waste management engineering activities.

3.2 Planning

The four stages in the planning phase were replaced with seven stages, as follows:

- Problem Definition;
- Identification of Alternatives;
- Evaluation of Alternatives;
- Preferred Alternative Selection;
- Detailed Evaluation of Preferred Alternative;
- Preferred Alternative Implementation; and
- Public, Stakeholder and Indigenous Community/Group Consultation.

A detailed description of each of these stages was provided.

3.4 Approvals

This section was deleted, and each approval under this section was moved to its applicable section in the guideline, as follows:

- Section 3.4.1, “Environmental Assessment or Screening”, was moved to Section 3.2, “Planning”.
- Section 3.4.2, “Environmental Compliance Approval and Environmental Activity and Sector Registry”, was moved to Section 3.3, “Design”.
- Section 3.4.3, “Thermal Treatment Projects”, was replaced by “Renewable Energy Projects”, and moved to Section 3.3, “Design”.

4. BEST PRACTICES

4.2 Waste Management Hierarchy

The title of this subsection was changed to “Waste Management Hierarchy and the Proposed New Waste Framework,” to better reflect the changes made to this section.

The following edits were made to this section to clarify the current proposed legislation:

“The Province has proposed a new framework for waste, which includes new legislation and a strategy. The proposed legislation, called the *Waste Free Ontario Act*, is currently being considered by the legislature. If passed, it would replace the *Waste Diversion Act, 2002*, and would establish an outcome-based producer responsibility regime for their products and packaging.

The draft strategy called “Draft Strategy for a Waste-Free Ontario: Building the Circular Economy” works with the proposed legislation to provide a roadmap for the province to transform its existing waste diversion framework and move toward a circular economy. The strategy proposes a vision, goals, key actions and performance measures. The final strategy will be released once all public, stakeholder and indigenous community/group consultations and reviews have been completed. The following vision and goals are proposed in the strategy:

Vision: - A circular economy where we have zero waste and zero greenhouse gas emissions from the waste sector and where all resources, organic or non-organic, are used and reused productively, maximizing their potential and reintegrating recovered materials back into the economy.

Goals: - Zero waste in the Province.
- Zero greenhouse gas emission from the waste sector.

Interested parties should visit the government website to review the proposed legislation and strategy, and to check for any final versions.

5. DEFINITIONS AND ACRONYMS

Solid Waste Management System

This definition was edited to reflect the update in Figure 1.

Waste

This definition was edited to be consistent with the definition in the *Environmental Protection Act*, as follows:

“Includes ashes, garbage, refuse, domestic waste, industrial waste, or municipal refuse and such other materials as are designated in the regulation.”

Director

The following definition for Director was added:

“Director” means a Director appointed under Section 5. R.S.O. 1990, c. E.19, s. 1 (2).

APPENDIX 1

The following new references were added:

Environmental Assessment Act Regulations

- O.Reg. 101/07 (Waste Management Projects)
- O.Reg. 101/98 (EA requirements for Waste Management Systems)
- O.Reg. 116/01 (Electricity Projects)

Guidelines/Best Management Practices:

- Consultation in Ontario’s Environmental Assessment Process
- Environmental approvals: hearings and public consultation

We would like to thank you again for your participation, and will advise you once the practice guideline is available on the PEO website.

Best regards,

Ministry of the Environment
and Climate Change

Environmental Approvals
Access and Service
Integration Branch

135 St. Clair Avenue West
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Ministère de l'Environnement et de
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climatique

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C-510-2.2
Appendix D

18 April 2016

MEMORANDUM

TO: Ms. Sherin Khalil
Standards and Guidelines Development Coordinator
Professional Engineers Ontario

FROM: Ms. Hayley Berlin
Manager
Environmental Approvals Access and Service Integration Branch

RE: **Professional Engineers Ontario's draft guideline on Solid Waste Management**

Dear Ms. Khalil:

Thank you for the opportunity to provide comments on Professional Engineers Ontario's proposed guideline on Solid Waste Management, which provides a high level overview of how certain types of waste management activities are regulated in the Province of Ontario.

As this guidance document is neither a Ministry of the Environment and Climate Change (MOECC) document nor guidance material issued by the MOECC, this review consists primarily of comments on references to current legislation and regulations in Ontario. Suggestions relating to the organization and clarity of the guidance are also included for consideration. For your convenience, specific comments are in the attached as tracked changes. I also suggest that the legislation and regulations that are relevant to this document and referred to within the attached be reviewed for accuracy and currency.

Engineers who are preparing detailed design concepts should ensure they consider the MOECC approvals, assessments, and compliance resources available to them, including those on the following websites:

<https://www.ontario.ca/page/environmental-approvals>

<https://www.ontario.ca/page/environmental-assessments>

<https://www.ontario.ca/page/environmental-compliance-approval>

A link to the Guide to Applying for an Environmental Compliance Approval is provided below for your reference:

<https://www.ontario.ca/document/guide-applying-environmental-compliance-approval>.

It may also be helpful to note that pre-application consultation with the MOECC is available to help applicants define the environmental objectives for their project, establish the general acceptability of their proposal, and identify any special approval-related requirements. To request a pre-application consultation, please email MOE.ServiceIntegration@ontario.ca.

Should you have any questions regarding the Ministry's comments, please contact Ms. Jillian Kingston, Program Support Coordinator at (416) 212-5992 or by email at Jillian.Kingston@ontario.ca.

Sincerely,



Hayley Berlin, Manager

Environmental Approvals Access and Service Integration Branch

Attachment

c: Gemma Connolly
Dale Gable

JK/

PEO_PublicConsultation_Guideline for Solid Waste Mgmt – MOECC Reviewed.doc



March 15, 2015

Professional Engineers Ontario
Attention: Guideline and Standards Development Coordinator
40 Sheppard Avenue West, Suite 101
Toronto, ON, M2N 6K9

consultations@peo.on.ca

To Whom it May Concern:

RE: York Region Comments – Professional Engineers of Ontario Public Consultation: Guideline for Solid Waste Management – March 2016

York Region staff thank the Professional Engineers of Ontario (“PEO”) for the opportunity to comment on the proposed Guideline for Solid Waste Management (“the Guideline”). Municipal engineers significantly shape the solid waste landscape in Ontario and are strong partners to the PEO in developing a comprehensive guideline. Accordingly, we request the PEO consider our comments below when moving forward with the Guideline.

Staff generally support the proposed Guideline but request that sections of legislation be specifically referenced

In general, staff support the proposed Guideline with only minor changes. Most comments included are related to specific sections of the Guideline and have been delineated as such. Although most comments are specific, staff recommend the following global change when referencing legislation in the Guideline. It is recommended that all references to Acts and Regulations reference the specific section and subsection of the Act/Regulation. The context of specific sections of Acts and Regulations rarely change and should be directly referenced to provide clarity.

Section 2.4, key legislation, provides an example of the benefit of the approach recommended above. Section 2.4 identifies several disposal sites and waste management systems that are “exempt from the *Environmental Protection Act*” such as individual collection systems. These are not specifically defined in the Guideline nor the Act, it is recommended that Section 2.4 specifically reference the section of the Act, which exempts these systems with terminology matching what is in the Act.

Proposed clarifications for tables and figures in Section 3

Staff have several comments that could help clarify and improve Figure 1 and Table 1 in Section 3 of the Guideline as outlined below:

Consider revising Figure 1 as follows:

- Transfer, processing, and resource recovery portion of the flow chart outlines a number of specific processes, but does not capture all mechanical, biological, and thermal processes. It is recommended that a note be added to the figure stating that these are examples, not an exhaustive list.

Consider revising Table 1 as follows:

- Individual EAs are identified at the planning stage, but this should explicitly acknowledge the alternate Environmental Screening Process established through O. Reg. 101/07
- Add “Applicable Studies” (e.g., hydrogeological, geological) under the “Design” section
- Move “Detailed Design”, “Contract Drawings”, and “Specifications” under “Design” section instead of “Construction”
- Add “QA/QC” and “As-built/As-recorded Drawings” under the “Construction” section
- Add “Applicable Inspections” under the “Commissioning” section.
- Add “Decommissioning Report” under the “Post-closure” section

Staff recommendations for amendments to Section 3

Sections 3.2 to 3.9 outline the various aspects of a solid waste project with approvals separated into its own section. Approvals are required at various phases of a project and sequencing them effectively can help reduce delays. It is recommended that the PEO, consider embedding each Approval (currently under Section 3.4) under its applicable section in the Guideline instead of breaking it out as its own section. Staff provided several additional comments that have the potential to help clarify and improve Section 3 of the Guideline as outlined below.

Consider revising the numbered headings under Section 3.2 as follows:

- Replace “Solution identification” with “Selection of alternatives”
- Add a heading for “Evaluation of alternatives”
- Replace “Preferred solution selection” with “Preferred alternative selection”
- Add a heading for “Detailed evaluation of preferred alternative”
- Replace “Preferred solution implementation” with “Preferred alternative implementation”
- Add “Public/Stakeholder Consultation” throughout the section as appropriate

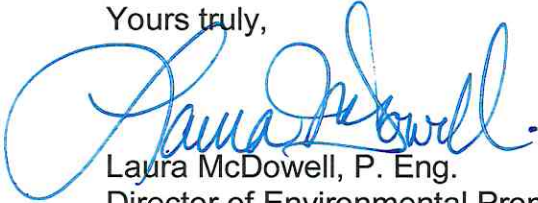
Consider revising items under Section 3 as follows:

- On page 10, paragraph 3 of Section 3.4.2, consider revising the terminology “control emissions” to “mitigate environmental impacts”
- There appears to be a typo on page 10, paragraph 7 of Section 3.4.2. This should read “oversee” instead of “overlook”
- Consider revising “Site preparatory drawings for landfills” under Section 3.6 to “Site Preparation Report” as documentation is not necessarily limited to drawings.

York Region thanks the PEO for engaging stakeholders on this guideline

Staff would like to thank the PEO for engaging stakeholders on this Guideline. If you have any questions regarding this response, please contact Peter Kemp, Contract Management Engineer, Waste Operations and Optimization at Peter.Kemp@york.ca.

Yours truly,



Laura McDowell, P. Eng.
Director of Environmental Promotion and Protection
Environmental Services
Regional Municipality of York

Cc

#6626137

OSPE response to PEO request: Guideline - *Solid Waste Management*

March 10, 2016

Background:

In an email sent on January 18 2016, OSPE was asked by PEO if we had any comments or suggestions for updating the PEO Guideline, *Solid Waste Management*. This submission offers a response based on OSPE members with expertise in the area.

OSPE Response:

Overall OSPE is pleased with the Guideline and considers it a thorough coverage of the issue. OSPE is particularly satisfied that climate change and extreme weather conditions are recognized as a reality to prepare for.

OSPE has a few comments, especially on Section 2 of the Guideline. First, and most critical, is the fact that much of the section is taken verbatim from an OSPE document from 2007. We appreciate that PEO is recognizing OSPE's work on the issue. However, we ask that OSPE be referenced as the source of this information in the final copy. To not do so will be considered an act of plagiarism.

As a general observation concerning challenges, a reason that applications for approval of some proposed solid waste projects are turned down, halted or stalled include, besides those cited in 2.3 'Challenges', that interveners may often successfully demonstrate to the review panel that the client (and engineer) did not approach the selection of the subject waste management process after a vigorous evaluation using the hierarchy cited below, which is recognized and supported both by government policy and by environmentalists.

PEO currently outlines under 'System/Facility Planning' four basic stages in the planning process to determine facility design or system development. OSPE stresses that in addition to PEO's stages, the process to select and manage a solid waste system should also recognize the need to conserve material over simply incinerating or conveying it to landfill. OSPE lists seven stages in a hierarchy to follow when choosing a system, starting with analyzing whether or not a waste stream can be reasonably and feasibly prevented from being generated in the first place (stage one) and moving on to reusing waste (stage two) and so forth. Whether for an Environmental Assessment or part of a regular planning process, seven summary reports should be drafted based on analysis of the seven stages of waste management to determine the most efficient and effective project(s) to design and develop. For example, stages two and three

(reusing/recycling) may not be worth recommending after considering the tonnages involved and the distance and costs to transport saved material to a facility.

The following is the hierarchy OSPE supports for determining the most appropriate system for the management of solid wastes. The residual waste still remaining following each stage of the hierarchy would be considered for treatment in the next or succeeding stage.

1. Prevent waste generation where possible;
2. Reuse waste for other purposes;
3. Recycle waste through the creation of other useful products;
4. Compost the organic fraction of the waste stream and use the resulting composting material;
5. Anaerobically bio-degrade the organic fraction of the waste stream to recover methane for energy and use the resulting biodegraded material;
6. Incinerate, change the form, and reduce the volume of the combustible fraction of the waste stream and recover the energy while safely disposing of, or using, the products of combustion;
7. Landfill waste in a safe location and utilize methane and other gases as a source of energy

Finally, OSPE reiterates that in order to determine the most appropriate solution, professional engineers follow a process that begins with defining the solid waste management challenge to be resolved, identifying regulatory and other compliance requirements, and then evaluating the technical feasibility, costs, and potential environmental and socio-economic impacts of appropriate options to assist decision-makers to determine the preferred alternative.

2016020

FUNDS ALLOCATION FOR PEAK ETHICS MODULE

Purpose: To authorize the use of reserve fund to cover the cost of implementing the PEAK program Ethics Module.

Motion:

That Council approve the allocation of up to \$300,000 from the reserve fund for the 2017 cost of development, hosting and user support of the PEAK Ethics Module by ScholarLabs.

Prepared by: Bernard Ennis, P.Eng., Director, Policy and Professional Affairs

Moved by: Vice-President David Brown, P.Eng.

1. Need for PEO Action

On November 18, 2016 Council passed the following motion:

That Council direct the Registrar to implement the communications plan and continue development of the program elements and operational activities required to roll-out on March 31, 2017 the PEAK program described in the Report.

CARRIED

One of the PEAK program elements is an on-line multimedia ethics module. As reported in the report from the CP² Task Force, this course is needed in order to ensure that all licence holders, including those who are not practising, are aware of their ethical obligations and how they must govern themselves in compliance with the *Professional Engineers Act* and its regulations.

Staff are developing the content of the ethics module. An external vendor will provide the implementation platform, provide server hosting and provide user support. The cost for this service is outlined in Appendix A. At this time staff is recommending the lowest cost user support package.

Staff did not send out an RFP for this project since time is of the essence. Instead, PEO will lever the existing relationship with PEO's current online educational service provider. This will reduce development time and effort since both parties are already familiar with the other's requirements. However, during the development of the CP² Task Force's proposal staff did make preliminary inquiries of other online educational service providers and were given cost estimates consistent with those provided by ScholarLabs.

2. Proposed Action / Recommendation

Staff is recommending that Council approve the allocation of up to \$300,000 from the reserve fund for services to be provided by the external vendor (ScholarLabs) for the implementation of the PEAK program ethics module.

3. Next Steps (if motion approved)

If the motion is approved staff will contract with ScholarLabs and carry out the work needed to implement the online ethics module by March 31, 2017.

4. Peer Review & Process Followed

Process Followed	N/a
Council Identified Review	N/a
Actual Motion Review	N/a

5. Appendices

- Appendix A: PEO PEAK Program costs from ScholarLab
- Appendix B: Ethics Refresher Module

PEO PEAK Program

- Phase one goal: Launch the program with one Ethics course.

1) Server cost

Needs- Server capacity to manage up to 80,000 users yearly accessing a 45 minute to 1 hour Ethics course

PEO has 12 renewal cycles a year. Users will be given up to two months to complete the Ethics course, hence cycles will overlap. We must accommodate for up to 15,000 users during the overlapped cycles.

- Platform and course access will expire after 2 month
- \$110.000/year paid upfront (approx. \$1.30 per user)

2) Course and platform development

- A) Course development - potentially includes video, PowerPoint slides, images, audio, hurdle/knowledge reinforcement question
- B) PEO will need a new platform that can handle approximately 80,000 user capacity as the current platform cannot handle this capacity. The existing platform will remain.
- C) User registration and identification via licence number and email address
- D) PEO's IT team will have access to CSV reports which will provide updates on course completions.

Cost for both course and platform development: \$30,000 - \$50,000 total depending on course development needs outlined by PEO so far.

3) Per user fee - for enrolled active users

\$2 per user

- Includes standard support
 - Email support - 9:00am - 5:00pm EST Mo-Fr
 - Email responses to end users within 48 hours maximum
 - Average response time 8 hours
- 1 course view / user
- Platform maintenance: Bug fixes, backups

Or:

\$3 per user fee

- includes premium support:
 - 1st level support
 - Email support: 7am - 8pm EST Mo-Fr
 - Response time within 6 hours maximum

- Average response time 2 hours
- Email support: 9am - 5pm EST Weekend
- 2nd level support
 - Phone support 9am - 5pm EST Mo-Fr
- Unlimited bandwidth/ course views for all uses
- Platform maintenance: Bug fixes, backups

Or:

\$5 per user fee

- includes managed services
- 1st level support
 - Live chat: 9am - 5pm EST Mo-Fr
 - Instant live support with 20min maximum waiting time
 - Email support 7am - 8pm EST Mo-Fr
 - Response time within 3 hours maximum
 - Average response time <1hour
 - Email support 9am-5pm EST Weekend
 - Response time 6 hours maximum
- 2nd level support
 - Phone support 9am 5pm EST
- Unlimited bandwidth/ course views for all uses
- Platform maintenance: Bug fixes, backups

Project plan- Note that this is a workback plan beginning from the launch date and working back to find the most suitable start date.

- Platform and course - official launch March 31, 2017
- Full platform and course testing by PEO between March 15, 2017 - March 20, 2017
- Course loaded onto platform and internal testing before handoff to PEO March 1, 2017 - March 15, 2017
- Course development completed with all feedback from PEO included - March 1, 2017
- PEO course review and feedback - During February 15, 2017 - February 20, 2017
- All multimedia submitted by PEO for course development. Includes all PowerPoint slides, videos, images, voiceover scripts etc. - January 16, 2017
- Course outline submitted by PEO for review - January 6, 2017
- Server and platform development begins - January 3, 2017

Based on the workback plan, our recommendation is to have the course in a simple yet effective format. This includes using hurdle/knowledge reinforcement questions with videos, voice over PowerPoint slides, pictures/images.

The timeline permits for a simplified quiz format.

Ethics Refresher Module

The purpose of the ethics refresher module is to re-acquaint members with their ethical obligations as described in the *Professional Engineers Act* and to provide members with an understanding of how these obligations should be applied in real-life situations. Consequently, the module should be structured as a learning experience that provides members with knowledge and skills suitable for recognizing and solving ethical problems related to engineering.

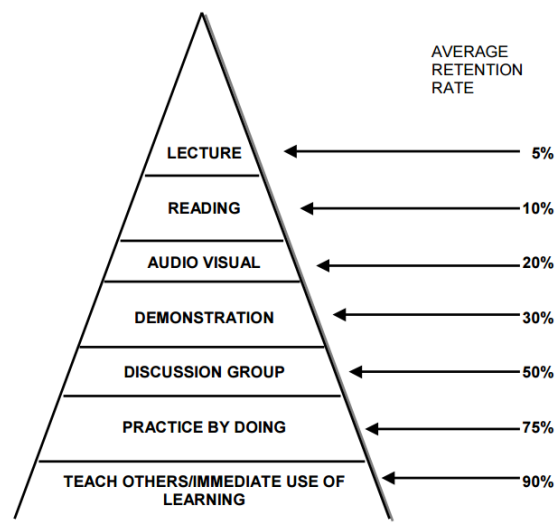
The most important criterion of the refresher module is that it be seen as a meaningful experience. In other words, the members must feel they have learned something useful and that the time was well spent. This must be the case from day one. After all, members will be required to regularly complete the refresher and we cannot have them encounter a bad experience that undermines the project.

To ensure that the experience is meaningful it is crucial to choose the right content, structure and environment for the ethics refresher.

Structure

A widely used tool for appraising the relative merits of different teaching methodologies is the Learning Pyramid. There is some criticism of the psychological and pedagogical underpinnings of this tool and disagreements of the relative values of the different methods. Some people have photographic memory so will retain much of what they read. The usefulness of a discussion group as a learning experience will depend entirely on the quality of the participants, the skill of the facilitator as well as the personality of the student. However, there is good intuitive sense that this assessment is more or less in line with the experiences of most people so it is useful for our planning purposes.

WHAT IS THE LEARNING PYRAMID?

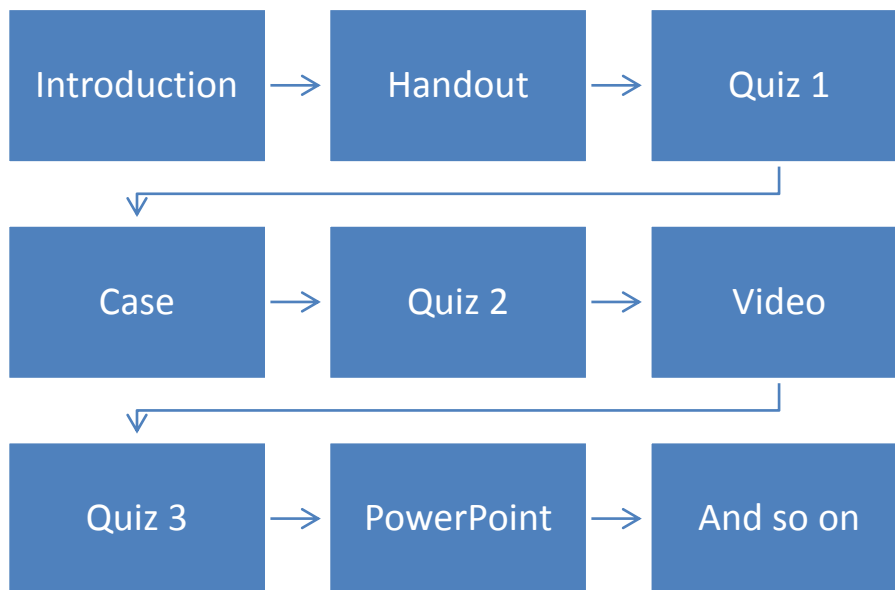


Unfortunately, an asynchronous¹ web-based learning environment will not provide the opportunity for most of the higher level methodologies (discussion groups, practice by doing, teaching to others) so the planned module will have to rely on a judicious use of the four methods associated with the lowest retention rates. Since the retention rates will be lower than those achieved in an experiential-type learning environment (for example in seminars, mentored practicums and project based learning sessions) , quantity and quality of content selected for inclusion in the module must be well chosen. However, we can improve retention rates by quizzing on problem sets during the instruction period. This would be an immediate use of learning, the method that provides the greatest retention rate for newly acquired knowledge. Quizzing will reinforce the participants' learning experience, though it will be more effective if the learning environment provides some form of feedback such as an explanation of the correct answer. Quizzing also provides information to PEO regarding which issues are well understood by licence holders and which issues need to be clarified further.

Quizzing has another benefit. Experts in e-learning suggest that a training session be structured to require some form of participant interaction every 3-5 minutes. This interaction will ensure that the participant is actively engaged with the material and in a better position to learn from it. The interaction also prevents participants from turning their attention away from the course material while it plays itself out. By including requirements for regular interaction by the participant the e-learning module will be halted if the participant does not respond.

Storyboard

The best way to ensure that the refresher is both effective and interesting is to vary the manner of content delivery throughout the session. A sequence of case studies and short video segments interlaced with questions of different kinds (multiple choice, true-false, yes-no).



¹ Asynchronous e-learning refers to student-centered online teaching method that operates outside the constraints of time and without connection to other people.

Ethics Refresher Module Specification

Specification parameters

Users 85,000/year
 7,000/month (approximately)

Module availability 24 hours/day, 7 days/week, 52 weeks/year

Required system features:

1. 1 hour of combined instruction, questioning and evaluation
2. Can be built from existing material as well as new material
3. Easy to assemble materials into a coherent module
4. Module learning and evaluation completely self-administered by user; no instructor
5. However, module needs to be responsive – users must know whether they have answered correctly, why their answers were right or wrong, etc.
6. Module must anticipate user's questions and needs by providing some automated interaction (i.e. programmed responses to wrong answers, etc.)
7. Ability to stop and restart multiple times, and progress at participant's preferred pace
8. Technical support provided 24/7
9. Data analysis (to determine what issues are not well understood and need further clarification)
10. Gamification (certificates, scoreboards, badges, etc.) – optional

Comparative Evaluation of Options

The use of a virtual classroom (i.e. webinars or video conferencing such as Adobe Connect, WebEx) is not compatible with the needs of this ethics refresher program. Webinars are scheduled events; the users cannot access as suits their needs or availability. They are intended for a small group (no more than 40 or 50) that is connected live to instructor(s) via computer. The experience is collaborative, there is two-way communication (though reasonably the participants can only communicate through text). Most webinars are simply a PowerPoint presentation given over the web. There are options that provide for testing but evaluating individual users and collecting data are not available. Webinars are basically a web based alternative to the classroom experience with the same limitations (scheduling, size limitations, limits on student-instructor interaction, etc.). An evaluation of an experience with a webinar can be found below.

A solution that gets around the size and scheduling limitations would be to use webcast material. This involves posting a video or recorded webinar on YouTube, maintaining an on-line PowerPoint presentation or providing a podcast. This is all that some associations do for member training. However, these options provide only static instruction. There is no possibility for user-instructor interaction, no testing, no evaluation, no data collection. The opportunity for learning by user is low. There is no opportunity for the association to learn anything about the knowledge and needs of the members.

The best way to accommodate the above listed requirements and the preference for the learning environment outlined in the first section is to use an e-learning service. There are dozens of these services and they are routinely used for corporate training or to augment university and college courses. The services provide hosting of the training materials, 24/7 technical support and the capability to handle many hundreds of users simultaneously. Each service has software that can be used by non-programmers to construct training modules from existing materials (videos, text, PowerPoint, PDFs) and

provides for testing. There is an industry standard for e-learning systems (SCORM) and a next generation standard (Tin Can) is being adopted. The best e-learning services use SCORM compliant engine and software.

Cost for use of e-learning system (preliminary) is \$4/user. Since PEO's needs are much greater than those of most other corporate users (100-500/month) negotiation of a discount is possible. Based on an estimate of \$3/user the annual cost of the ethics refresher module would be \$255,000/year.

SCORM engine and content management software are available. It is possible that PEO could acquire the software and build its own e-learning system. Software for producing suitable e-learning courses such as Adobe Presenter and Adobe Captivate would cost about \$2000. Cost for additional hardware or hosting on external servers (if needed) has not determined at this stage.

webinar (Web-based seminar)

Short for ***Web-based seminar***, a webinar is a presentation, lecture, workshop or seminar that is transmitted over the Web using ***video conferencing software***. A key feature of a Webinar is its interactive elements: the ability to give, receive and discuss information in real-time.

Using Webinar software participants can share audio, documents and applications with webinar attendees. This is useful when the webinar host is conducting an lecture or information session. While the presenter is speaking they can share desktop applications and documents.

Webinar can be contrasted with Webcast, in which the data transmission is one way and does not allow interaction between the presenter and the audience.

A web-based seminar (webinar) is a conference that is hosted in near real-time over the Internet. Webinars allow groups in remote geographic locations to listen and participate in the same conference regardless of the geographic distance between them. Webinars also have interactive elements such as two-way audio (VoIP) and video that allows the presenters and participants to discuss the information as it is presented.

Some common uses for webinars include meetings, remote training and workshops. Webinars can also be recorded for later viewing or distribution, but this removes the interactive elements for later viewers. In this sense, a recorded webinar becomes a webcast - a presentation that includes one-way audio and video without any interaction between speakers and listeners.

Webinars use Internet technologies, particularly TCP/IP connections. Generally, some software must be downloaded by people who want to join a webinar. Before a webinar, participants are usually provided with a means of interfacing via email, common calendars or other collaboration mechanisms in preparation for the event. Some webinars also provide for anonymous participation, while others identify the current speaker by a user ID or code name. Both methods protect the identity of the audience participant.

Webinars may include extra features, such as:

- Screen sharing, where anything on the presenter's computer display is also displayed on all audience computer displays
- Shared control, where the participants can control the presenter's display screen
- Polling survey capability, which allows presenters to query the audience with multiple choice questions

Vendors that host webinar services may charge by the minute, by a flat monthly fee, or by the number of audience participants. Significant vendors of Web-based seminars include BigBlueButton, Fuze Meeting, Microsoft Office Live Meeting, Openmeetings, Skype and WebTrain, among many others.

Web-based seminars may be provided as a hosting service, as web-based software or as an appliance, which requires hardware and may also be called in-house or on-premise Web conferencing.

E-Learning

A learning management system (LMS) is a software application for the administration, documentation, tracking, reporting and delivery of electronic educational technology (also called e-learning) courses or training programs.

Learning management systems range from systems for managing training and educational records to software for distributing online or blended/hybrid college courses over the Internet with features for online collaboration. Colleges, universities, school districts, and schools use LMSs to deliver online courses and augment on-campus courses. LMSs also act to augment the lessons the teacher is giving in a brick and mortar environment, not just replace them. Corporate training departments use LMSs to deliver online training, as well as to automate record-keeping and employee registration.

SCORM is a set of technical standards for e-learning software products. SCORM tells programmers how to write their code so that it can “play well” with other e-learning software. It is the de facto industry standard for e-learning interoperability. Specifically, SCORM governs how online learning content and Learning Management Systems (LMSs) communicate with each other. SCORM does *not* speak to instructional design or any other pedagogical concern, it is purely a technical standard.

Tin Can is the next generation of SCORM. With Tin Can, you can track and record a number of learning experiences such as mobile learning, simulations, virtual worlds, serious games and even offline learning. It allows you to see how your learners interact with the course anywhere – even on multiple devices. The Tin Can API uses a Learning Record Store (LRS) to record and store all of these learning activities. An LRS can exist on its own or inside a Learning Management System such as CourseMill LMS.

One-Year Review, *Engineering Dimensions*' Return to Print

Purpose: To have Council review its September 2015 decision to resume sending the print edition of *Engineering Dimensions* to all licence holders and engineering interns as the default option.

No motion required

Prepared by: David Smith, Director, Communications

1. Status Update

At its 503rd meeting, Council approved conducting a one-year review of its decision (at the 502nd meeting) to resume sending the print edition of *Engineering Dimensions* to all licence holders and engineering interns, unless the digital edition is requested. As part of the review, Council requested updated statistics to help determine whether the return to print had achieved the intended result.

Results from *Engineering Dimensions*' 2016 Mini Reader Survey are available in Appendix A. A compilation of relevant findings from reader surveys in 2013, 2015 and 2016 are included in Appendix B. The log of the open rate and average time spent with each digital edition in 2015 and 2016 is provided in Appendix C. An overview of the subscription statistics and associated costs and revenues for *Engineering Dimensions* is included in Appendix D.

2. Background

At its 502nd meeting, Council approved a return to sending the print edition of *Engineering Dimensions* to all PEO licence holders and engineering interns, unless they request the digital edition.

The decision was based on reader survey and other statistics that indicated that recipients were not routinely reading the magazine's digital edition. A return to sending the print edition to all, except those who requested otherwise, was seen as a way to increase readership. Council approved adding \$304,000 to the *Engineering Dimensions*' 2016 draft budget to accommodate the change, which began with the January/February 2016 issue.

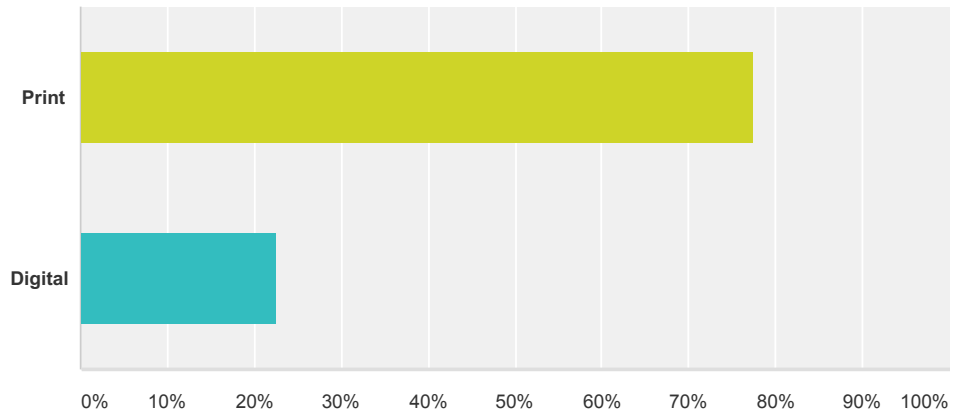
At its 503rd meeting, Council approved conducting a review of this decision one year after implementation and requested updated statistics, including a reader survey to be conducted in 2016, to assist in determining whether the return to print had achieved the intended result.

3. Appendices

- Appendix A – 2016 Engineering Dimensions Mini Survey Results
- Appendix B – Reader Survey Findings (2013, 2015, 2016)
- Appendix C – Digital Edition User/Session Long (2015 and 2016)
- Appendix D – Magazine Production Costs

Q1 How do you currently receive your issue of Engineering Dimensions?

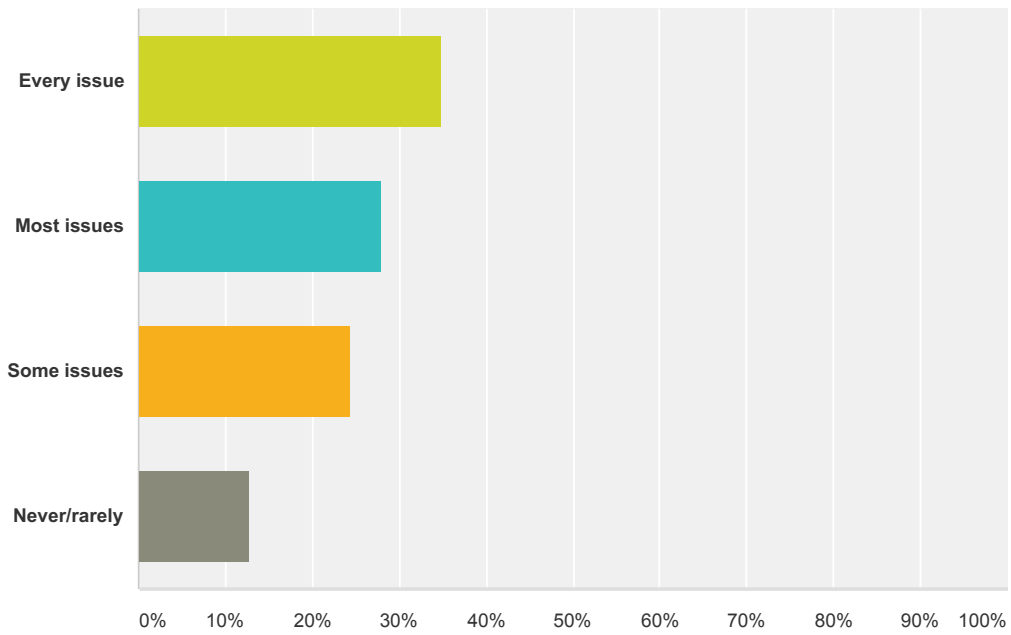
Answered: 11,526 Skipped: 0



Answer Choices	Responses
Print	77.55% 8,938
Digital	22.45% 2,588
Total	11,526

Q2 How often do you read Engineering Dimensions?

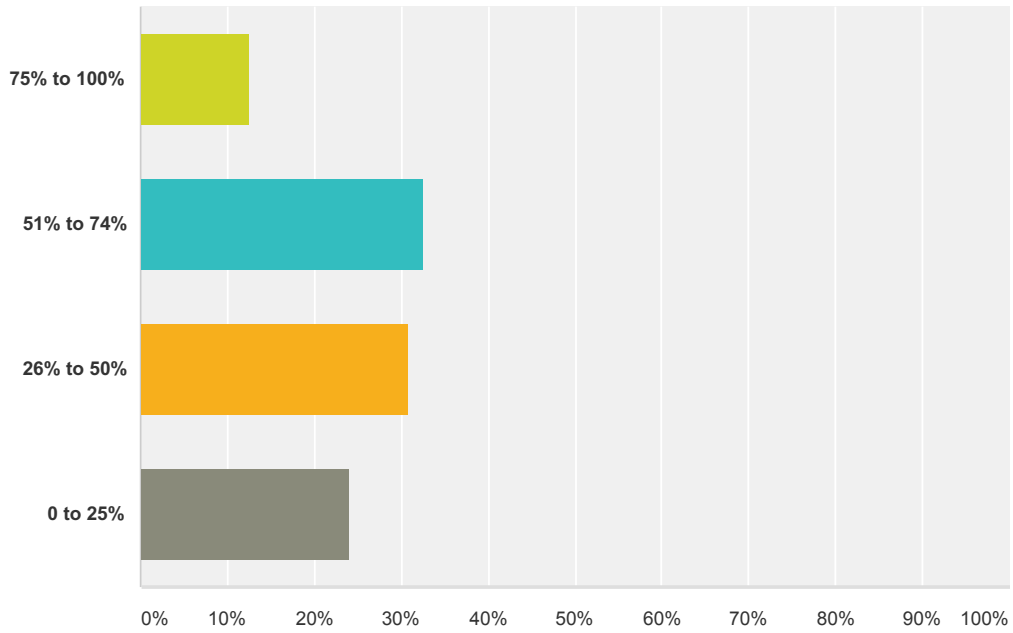
Answered: 11,526 Skipped: 0



Answer Choices	Responses
Every issue	34.96% 4,029
Most issues	27.92% 3,218
Some issues	24.42% 2,815
Never/rarely	12.70% 1,464
Total	11,526

Q3 Please indicate how much of each issue of Engineering Dimensions you read.

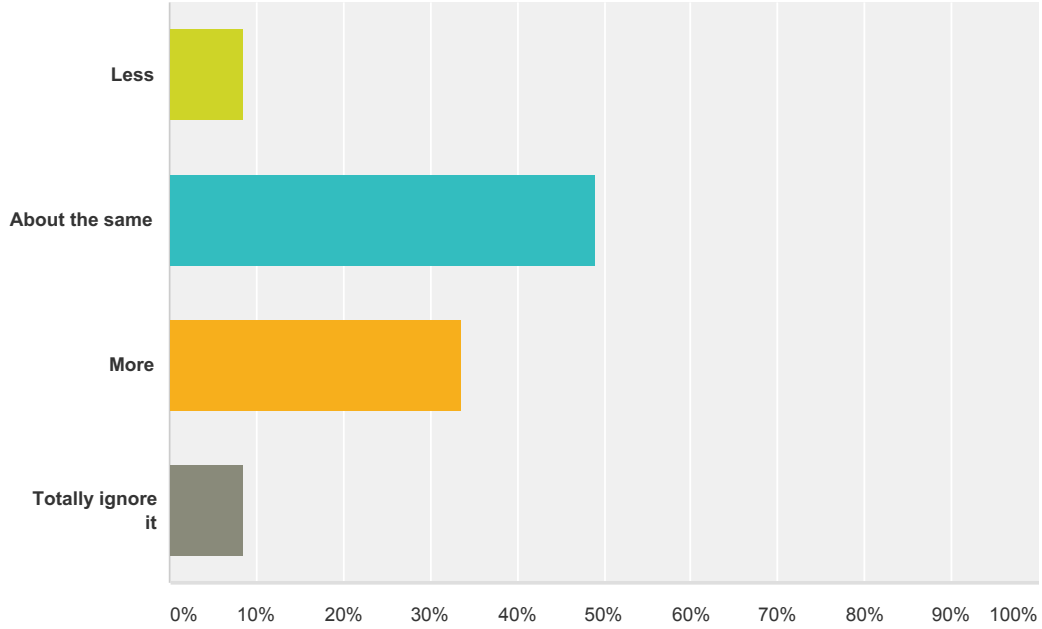
Answered: 11,526 Skipped: 0



Answer Choices	Responses	
75% to 100%	12.58%	1,450
51% to 74%	32.55%	3,752
26% to 50%	30.87%	3,558
0 to 25%	24.00%	2,766
Total		11,526

Q4 Since we made the print edition the default to receive Engineering Dimensions in January 2016, have you opened and read the magazine more, less or about the same as when you received the digital version?

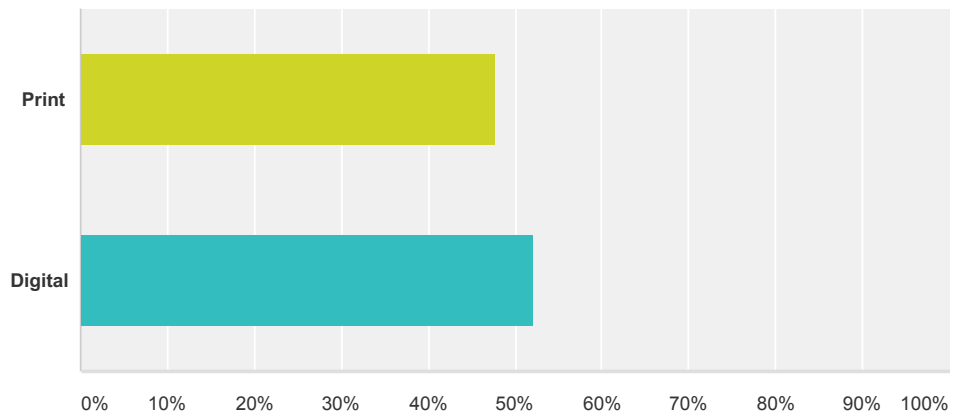
Answered: 11,526 Skipped: 0



Answer Choices	Responses
Less	8.63% 995
About the same	49.11% 5,660
More	33.61% 3,874
Totally ignore it	8.65% 997
Total	11,526

Q5 Do you prefer receiving the print or digital version of Engineering Dimensions?

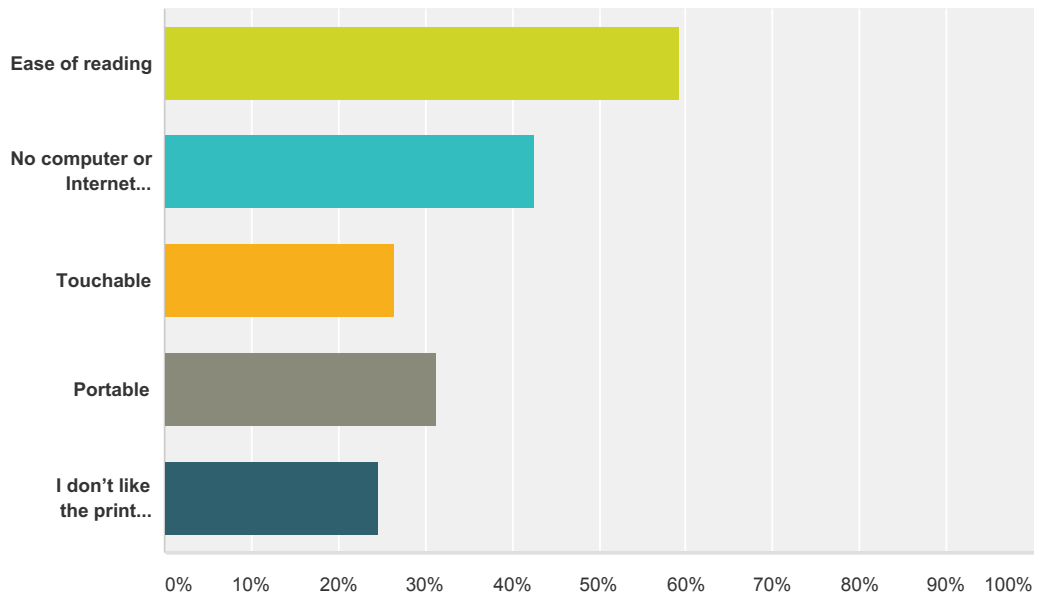
Answered: 11,526 Skipped: 0



Answer Choices	Responses
Print	47.72% 5,500
Digital	52.28% 6,026
Total	11,526

Q6 What do you like about the print version? Check all that apply.

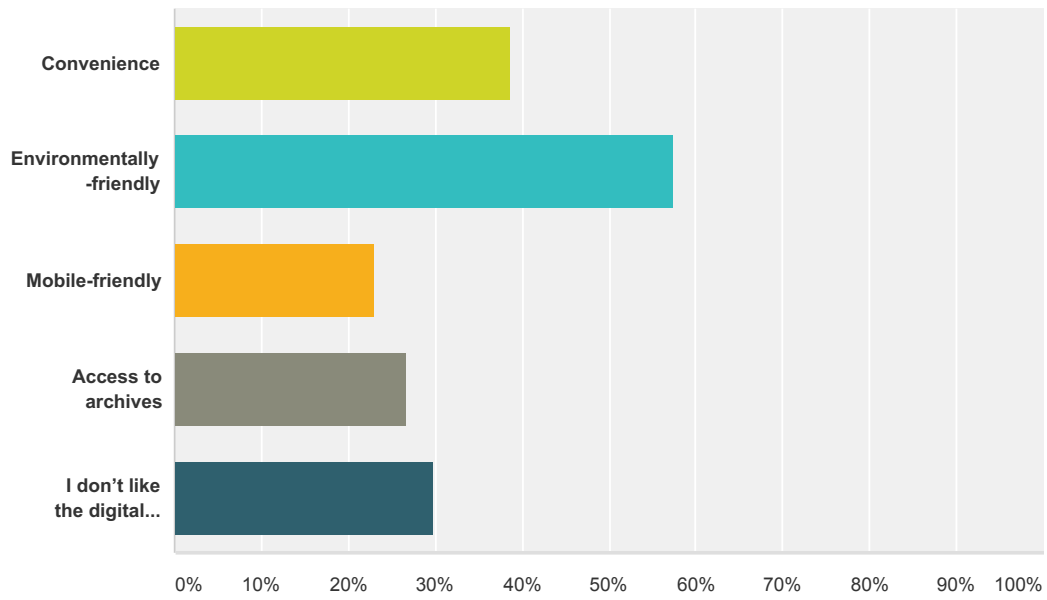
Answered: 11,526 Skipped: 0



Answer Choices	Responses
Ease of reading	59.37% 6,843
No computer or Internet required	42.53% 4,902
Touchable	26.47% 3,051
Portable	31.26% 3,603
I don't like the print version	24.70% 2,847
Total Respondents: 11,526	

Q7 What do you like about the digital version? Check all that apply.

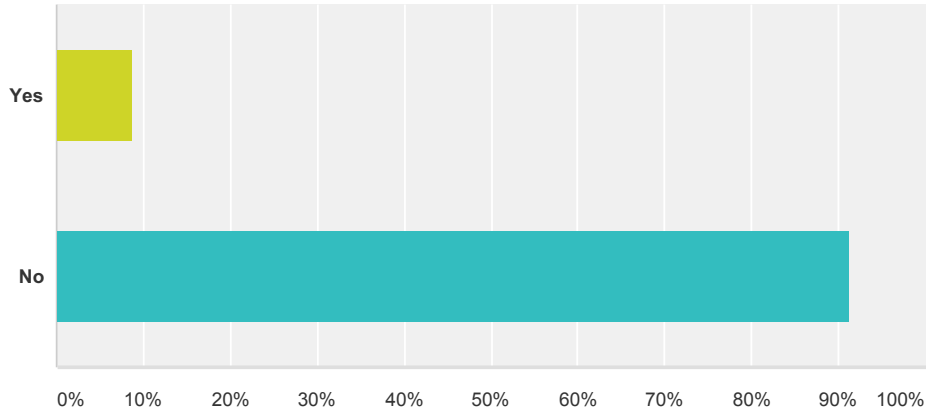
Answered: 11,526 Skipped: 0



Answer Choices	Responses
Convenience	38.56% 4,444
Environmentally-friendly	57.37% 6,612
Mobile-friendly	23.01% 2,652
Access to archives	26.63% 3,069
I don't like the digital version	29.82% 3,437
Total Respondents: 11,526	

Q8 Have you accessed the new Engineering Dimensions text-based microsite (www.engineeringdimensions.ca)?

Answered: 11,526 Skipped: 0



Answer Choices	Responses	
Yes	8.70%	1,003
No	91.30%	10,523
Total		11,526

Engineering Dimensions Mini Survey

Q9 Please leave any comments or suggestions you have regarding Engineering Dimensions. We appreciate your input!

Answered: 1,888 Skipped: 9,638

#	Responses	Date
1	In this day and age it is ridiculous to go back to print copies. The default should be the digital version, and for those that prefer the printed copy they should request it individually. Instead of wasting all this paper on a printed copy that most don't even care to read. Thanks.	12/7/2016 4:33 PM
2	I really value keeping up-do-date with engineering issues and this helps me as I re-enter this field of work. I am an EIT. I find my engineering degree invaluable and so I am determined to obtain my license. This magazine is very helpful to me.	12/7/2016 4:23 PM
3	There shall be some news for internationally trained engineers	12/7/2016 2:55 PM
4	please continue to send the print version.	12/7/2016 1:12 PM
5	N/A	12/7/2016 12:59 PM
6	There are many reasons why Engineering Dimensions should be published electronically - mainly less costly and more environmentally sound. In this day and age, any person who can't handle the electronic edition probably can't handle electronic engineering documents either and perhaps should not be practicing engineering. It's time to stop cutting down trees and make use of technology.	12/7/2016 12:43 PM
7	I liked when the letters to the editor were at the beginning of the magazine.	12/7/2016 12:22 PM
8	As a canadian, it would be great to have some part of the document available in french.	12/7/2016 11:58 AM
9	No valid comments - - I'm 90	12/7/2016 11:17 AM
10	Thanks for providing me survey opportunity	12/7/2016 10:11 AM
11	I would like to receive it digital and if I am able to read it, then I can change my mailing from print out to digital Thank you and have a great day	12/7/2016 10:01 AM
12	I prefer digital version	12/7/2016 7:52 AM
13	I find it challenging to take the time to read Engineering Dimensions because I (and others) are constantly bombarded by electronic news and advertisements. I never read the electronic copy. While, I like the print copy, I rarley read more than an article or two and usually will flip through the magazine in a minute or two. So, overall the value to me is quite low.	12/7/2016 7:36 AM
14	Print version is easy to carry anywhere and read at any location.	12/7/2016 6:58 AM
15	Digital editions require that I download it and then I must have a large screen computer to read it. This is NOT convenient. It is much TOO easy to totally forget or ignore.. Mail arrives by itself and can be read at a convenient time (e.g when other people have the computer) and its very presence in the house nags that it must be read. Digital overload arrived sometime ago and digital editions are merely part of the background noise that is part of contemporary living.	12/7/2016 12:53 AM
16	It's good enough to send by email	12/7/2016 12:09 AM
17	I believe if you open a section as a career section would be very beneficial since most of the professional magazines have such as ITE.	12/6/2016 11:47 PM
18	i didn't know about the micros site will try it...	12/6/2016 11:27 PM
19	At age 92 I really should not be involved in this survey.	12/6/2016 11:14 PM
20	Print is convenient. I can read it anywhere. Travelling, Go Train, Hotels, etc.	12/6/2016 10:56 PM
21	I find it much easier to go a quick browse of the hardcopy dimension to see articles of interest. It is also easier to take with you to read when you grab a few minutes such as in a doctor's office waiting on your appointment, when having a coffee at a fast food outlet, or when travelling on a train as examples.	12/6/2016 10:23 PM

Engineering Dimensions Mini Survey

22	I am retired and travel a lot so my p.o. box over-fills if I get much hard copy, and the net is accessible wherever I am.	12/6/2016 9:56 PM
23	Why not have both versions available - one choice per member.	12/6/2016 9:55 PM
24	thankyou	12/6/2016 9:33 PM
25	Please continue the print version	12/6/2016 8:48 PM
26	Have never looked at the on line versio. Do not know if you have a version in one of the e book formats. I will look at that with more interest.	12/6/2016 7:54 PM
27	Reading a magazine online is not user friendly and I will not read it.	12/6/2016 7:39 PM
28	Print edition is better. Handy and no need for computer.	12/6/2016 7:26 PM
29	Question 4 is flawed - assumes I kept the default print edition which I didn't.	12/6/2016 6:55 PM
30	At my age (86), reading computer or e-reader screen is not comfortable or pleasant.	12/6/2016 6:52 PM
31	I much prefer print version since I can read it in stages - not possible with the digital without a lot of inconvenience.	12/6/2016 6:35 PM
32	i wish you would never never Right Justify the articles. research has shown that Right Justification makes it harder to read.	12/6/2016 6:34 PM
33	None.	12/6/2016 6:17 PM
34	I am a retired P.Eng.	12/6/2016 6:14 PM
35	Thank you for the great efforts	12/6/2016 5:30 PM
36	Engineering Dimensions is a very good magazine! Keep it on going please!	12/6/2016 5:00 PM
37	I have got only one digital copy so far.	12/6/2016 4:52 PM
38	Always read the Letters to the Editor section. Also, find the President's Message updates the membership as to Board actions and current topics.	12/6/2016 4:50 PM
39	Too much time spent on screens leads me to have to triage how I spend my time electronically. Reading paper is more convenient for magazines for me.	12/6/2016 4:25 PM
40	print version is safe for eyes	12/6/2016 3:48 PM
41	The print version is much easier on the eyes than reading it on a monitor. The layout at the microsite is EXCELLENT, just too hard on my eyse.	12/6/2016 2:51 PM
42	I prefer a print copy. I find it much easier to use.	12/6/2016 2:27 PM
43	Thank you. I would like to receive the print version of Engineering Dimensions.	12/6/2016 1:00 PM
44	Digital copy preferred	12/6/2016 12:58 PM
45	I am a new member.	12/6/2016 12:45 PM
46	Too busy to read when I'm on my computer.	12/6/2016 12:43 PM
47	None, sorry	12/6/2016 12:33 PM
48	I was not aware that dimension is available at anytime through website. That should be adequate. If there is any time to read it is available and environmentally friendly.	12/6/2016 12:10 PM
49	no comments at this time	12/6/2016 11:51 AM
50	No comments	12/6/2016 11:39 AM
51	... umm NOW I have checked out the engineeringdimensions website. I agree with the description that it is "text based"..... Please do not switch me back to a mail delivered copy at some random time in the future. You asked if I wanted a digital copy - I said YES ---TWICE.	12/6/2016 11:29 AM
52	I like the ease of "thumbing" through the print version to find articles of interest. However, I wouldn't argue with returning to a digital version for economic and environmental reasons.	12/6/2016 11:28 AM
53	Stop killing trees. It is not Ethical.	12/6/2016 11:19 AM
54	Can you stop sending me the print!	12/6/2016 11:08 AM
55	I have always received the hard copy version. I read it in bed. Most convenient for me.	12/6/2016 10:59 AM
56	Time to get in the 21st century.	12/6/2016 10:49 AM

Engineering Dimensions Mini Survey

57	Please keep issuing the print version. This print edition is distributed to everyone in my office. Thank you n advance	12/6/2016 10:38 AM
58	Keep the printed version... It stays around longer and I can give it to student or foreign engineers on the way to become professional in Ontario.	12/6/2016 10:32 AM
59	new technical trend or technology introduction	12/6/2016 10:31 AM
60	Keep the print edition for those who prefer it.	12/6/2016 10:19 AM
61	The digital version should be the default, and members should opt in if the require the print version	12/6/2016 10:15 AM
62	Print Magazine is a good "Leave Behind" item	12/6/2016 10:10 AM
63	Engineering dimension is great tool to sustain effective network and keep PEngs updated .	12/6/2016 10:07 AM
64	No further comments	12/6/2016 9:47 AM
65	Printed version is always better for me.	12/6/2016 9:43 AM
66	Keep it in print, like any serious publication. Note the best advantage of the printed version is: easy random access to material (vs. serial/menu driven for digital), which makes for fast reading.	12/6/2016 9:31 AM
67	Digital is easier to read because print size can be adjusted.	12/6/2016 9:02 AM
68	non	12/6/2016 8:52 AM
69	Digital please. Hands down.	12/6/2016 8:43 AM
70	I am not sure I remember correctly but I think the digital division came with a reading program which I didn't like. Would like a version in PDF that could be saved to iBooks to read offline.	12/6/2016 8:32 AM
71	The printed version wastes a lot of paper.	12/6/2016 8:21 AM
72	Would be nice to have the option to just simply not receive Engineering Dimensions	12/6/2016 8:19 AM
73	No comments	12/6/2016 8:12 AM
74	I would like to switch to the digital version.	12/6/2016 7:58 AM
75	I would prefer to pay less for my membership and not have the magazine (or have a slimmed down version)	12/6/2016 7:08 AM
76	Disregard answer #4 (N/A). I'll put up with the digital version for the sake of the enviro. and cost savings. Put the savings towards more advocacy. The digital version is awkward. The print is too small for one page viewing but going larger makes it hard to navigate the page.	12/6/2016 7:07 AM
77	Print version is better to carry around and read as time allow	12/6/2016 7:04 AM
78	thanks.	12/6/2016 6:46 AM
79	I like print version only.	12/6/2016 6:32 AM
80	Please don't mail me Dimensions.	12/6/2016 6:01 AM
81	Please to consider to send the ED print version to the members working abroad. Thanks	12/6/2016 3:44 AM
82	Give members the option on the delivery mechanism for receiving Engineering Dimensions. Members opinion on how they choose to receive it should be left to members OR else their choice(s) are not being respected.	12/6/2016 3:23 AM
83	No	12/6/2016 2:14 AM
84	Thank you for reverting back to the print version.	12/6/2016 12:53 AM
85	If Engineering Dimensions going back to digital, can it be sent as an attachment file by email in PDF format?	12/6/2016 12:31 AM
86	Several months ago, a PEO member/philanthropist made the front page of the Toronto Star. I wrote to the PEO suggesting that PEO get the Star's permission to reproduce the article in Engineering Dimensions because I suspect that most PEO members do NOT read the Star. I never received an acknowledgement. Why don't you (PEO) give outstanding members as much publicity as you give to those members that are being disciplined?? Sincerely, Orlando Martini M.A.Sc., P.Eng.	12/6/2016 12:01 AM
87	Make it optional. And don't make those who opt out pay for it.	12/5/2016 11:42 PM
88	Printed version can be more easily shared with other people.	12/5/2016 11:31 PM
89	I like the print version	12/5/2016 11:28 PM
90	n/a	12/5/2016 11:12 PM

Engineering Dimensions Mini Survey

91	It is a great information site about the profession. The good thing, it share both PEO and OSPE info.	12/5/2016 10:55 PM
92	In my view, digital version is like out of sight, out of mind.	12/5/2016 10:49 PM
93	I like the print version of Engineering Dimensions best.	12/5/2016 10:44 PM
94	Print version is preferred	12/5/2016 10:37 PM
95	It is very good,keep it up.	12/5/2016 10:17 PM
96	It portrays a good engineering standard vision	12/5/2016 10:04 PM
97	I never read the digital version at all. I have read it significantly more since receiving the print version again.	12/5/2016 9:59 PM
98	the electronic version was to easy to just delete when you did not read it when you received it	12/5/2016 9:57 PM
99	Overall, I will like digital version.	12/5/2016 9:42 PM
100	I like the discipline hearings in print	12/5/2016 9:38 PM
101	I like print version and you should keep it	12/5/2016 9:36 PM
102	Please keep the print version of the magazine.	12/5/2016 9:27 PM
103	I should be getting the digital edition for a lot of good reasons, but the truth is that when it was digital, I hardly read it, even on a screen big enough for a full size 2-page spread. It was too easy to ignore.	12/5/2016 9:27 PM
104	When the print version was cancelled a few years ago. I stopped reading Engineering Dimensions. Since it has been restarted, I read every issue.	12/5/2016 9:21 PM
105	Some technical articles will be appreciated	12/5/2016 9:19 PM
106	The same old articles show up in almost every issue - lots of hand wringing about getting the public to appreciate the value of engineering, getting more women into engineering. To me it's mostly a civil engineering focused organization anyway.	12/5/2016 9:15 PM
107	Ethics on Genetic Engineering	12/5/2016 9:08 PM
108	returning to the printed magazine was one of the best decisions PEO has made in the last few years	12/5/2016 9:07 PM
109	None	12/5/2016 8:56 PM
110	E-mails and digital don't stand out anymore. Too easy to miss and ignore these days.	12/5/2016 8:33 PM
111	none at this time	12/5/2016 8:32 PM
112	Even though I prefer Print Version. I don't mind only Digital version for being economical and Environment friendly.	12/5/2016 8:19 PM
113	If you cancel print edition, and as far as I can see that is your intention, you can close it down as I have no interest reading digital. That is the only thing going I get from PEO for my annual fee. And yes I also get a tone of garbage election material.	12/5/2016 7:47 PM
114	No comments	12/5/2016 7:35 PM
115	Thank you for the change. I prefer hard copies	12/5/2016 7:22 PM
116	Currently I am receiving the print version. However, I am quite happy to receive the digital version in the future. Thanks.	12/5/2016 7:21 PM
117	Your articles are boring. Put more science and technology materials instead of boaring PEO laws, regulations and individual self promoting. Totally waste of members money.	12/5/2016 7:20 PM
118	What I like the most about the Engineering Dimensions is that it provides the information and activities within the PEO, which is very much helpful in order to keep ourselves updated about PEO.	12/5/2016 7:14 PM
119	Pls change me to digital ONLY...thx. Mark Sawyer, <SawyerMark77@gmail.com>.	12/5/2016 7:10 PM
120	We can easily go to hard copy in our refreshment time and also possible discussed with that copy if any suggestions from others.	12/5/2016 7:08 PM
121	Engineering Dimensions useful to know letest new of PEO	12/5/2016 7:02 PM
122	The printed version of the is human body friendly, and healthier to the eye.	12/5/2016 6:58 PM
123	keep the print edition.	12/5/2016 6:55 PM
124	I like getting the hard copy to have on hand when relaxing at home, however I would consider maybe getting alternating. Some hard copies and some by email (alternate)	12/5/2016 6:55 PM

Engineering Dimensions Mini Survey

125	If the PEO chooses a digital means again, the new web version is 1000% better than the previous attempt.	12/5/2016 6:47 PM
126	I like the print version.	12/5/2016 6:43 PM
127	There is too much on-line stuff. For older Engineers this is more difficult to read.	12/5/2016 6:37 PM
128	You articles are interesting and relevant. I need to make time to review what is of interest to me. I will be using bookmarks to go back to valuable references.	12/5/2016 6:25 PM
129	Please keep the print version!	12/5/2016 6:18 PM
130	You people are monsters how could you do such horrible things.	12/5/2016 6:17 PM
131	Nil	12/5/2016 6:02 PM
132	Please do not discontinue the print version	12/5/2016 5:55 PM
133	Print is perfect for me	12/5/2016 5:50 PM
134	The enforcement section is interesting, would like to see more enforcement notes and what the PEO is doing to maintain the public integrity of the term "engineer".	12/5/2016 5:35 PM
135	Portability plus the convenience of leaving bookmarks on a paper copy when required to put it aside is one major positive for me.	12/5/2016 5:35 PM
136	I like printed copy rather than digital.	12/5/2016 5:34 PM
137	None.	12/5/2016 5:33 PM
138	none	12/5/2016 5:28 PM
139	Make articles more interesting to read	12/5/2016 5:24 PM
140	Paper is a renewable resource. It is nice to kick back and give my eyes a rest from the screen and read the paper copy.	12/5/2016 5:20 PM
141	I do most reading of periodicals at night. I find that the print versions of all don't interfere with my sleep (blue light issue, as I understand it). However, I would make the transition to digital to avoid the cost to PEO and the environmental impact of paper.	12/5/2016 5:20 PM
142	Engineering Dimensions provide peo news, articles, comments and strategies. It is useful and helpful.	12/5/2016 5:14 PM
143	Thank you	12/5/2016 5:07 PM
144	I find the digital edition difficult to read on a computer or tablet. The current format of a PDF style means you have to enlarge the document to read the font and that results in a lot of shifting around to read an article. My daughter is a landscape architect. She recently sent me a link to their new formats for their magazine. One option they provide is to read the articles in html format which means the articles can be selected and you just scroll down to read an article with no need to move back and forth and up and down across the page.	12/5/2016 5:02 PM
145	The print version now seems to be taking longer to appear	12/5/2016 5:01 PM
146	I am retired so not so interested as before.	12/5/2016 4:58 PM
147	Stop publishing the magazine in all forms, and then reduce membership fees by whatever is saved from abolishing the magazine.	12/5/2016 4:50 PM
148	As a senior, my wife and I unfortunately have many medical appointments with long waits. I like to take it with me and read it in waiting rooms. I do have a smart phone but definitely prefer reading articles and scanning others on the print version.	12/5/2016 4:47 PM
149	Thank you for the good quality you are providing us.	12/5/2016 4:40 PM
150	Too much politics.	12/5/2016 4:39 PM
151	Your efforts are appreciated.	12/5/2016 4:39 PM
152	I prefer the print version. However, in the interests of our environment, digital should be the default unless a specific "print version" choice is made at time of the annual PEO membership renewal.	12/5/2016 4:33 PM
153	As a retiree I am not as involved with "issues" as I was ten years ago.	12/5/2016 4:25 PM
154	None at this time	12/5/2016 4:23 PM

Engineering Dimensions Mini Survey

155	Why don't you let people opt out of getting the Engineering Dimensions magazine altogether? there are lots of pairs of engineers (spouses) living in the same house that both get it. That's one of the main reasons I decided to stop getting the paper copy - because both my husband and I were getting them. And what about letting offices only get one copy? Thank you.	12/5/2016 4:23 PM
156	I have no more urge to read it since it became digital. That's because being electronic I know I can access it any time, but then there is no right time. With hard copy, one has the incentive to read it sooner so that one can put it in the recycle bin.	12/5/2016 4:01 PM
157	Do not receive the electronic version. it is probably blocked as junk mail . I must be sent from PEO servers and not mailbounce serves to penetrate the fire wall	12/5/2016 3:55 PM
158	Enjoy the print version very much. Still old fashioned I guess!	12/5/2016 3:54 PM
159	I always intend to read it, even though I rarely do! (My main reasons for not reading it are the time & focus required outside working hours.) I prefer the print version but have to say that probably the digital version is better as it saves paper.	12/5/2016 3:53 PM
160	I am very familiar with and have no fear of digital presentations. BUT: I have come to hate any presentation that requires me to sit one more hour (or minute!) in front of this confounded screen!	12/5/2016 3:52 PM
161	I could get used to the digital if the pages were easier to read on the screen. Now, they are either too small or if made larger, harder to navigate.	12/5/2016 3:51 PM
162	I read the print version of engineering dimensions because it's convenient to have around and fill time with. When the default delivery method was digital, I didn't once look at the publication, despite feeling very disconnected with the profession. Glad paper is the default again.	12/5/2016 3:48 PM
163	We are engineers. The fact that we are distributing a print publication in 2016 is absolutely disgusting.	12/5/2016 3:48 PM
164	Being Retired, I don't have as much interest in the magazine as I did. However, I do enjoy reading an article that keeps me in the loop.	12/5/2016 3:29 PM
165	Needs to publish facts in the field of engineering as well as professional development scope	12/5/2016 3:28 PM
166	I've never really looked at this magazine since it stopped including the salary survey.	12/5/2016 3:23 PM
167	Accessing the digital version while traveling if very convenient Thank you	12/5/2016 3:23 PM
168	Much prefer the print Did not read digital edition as much	12/5/2016 3:22 PM
169	I would prefer a scaled down version (digital) only for retirees	12/5/2016 3:16 PM
170	save money and be more environmentally conscious - revert to digital delivery as the default..	12/5/2016 3:13 PM
171	Until we have internet Implants I will have to go with the print version. Since retiring I find I do not access the computer as much. My inbox is filled with all sorts of emails! Information overload!!!	12/5/2016 3:13 PM
172	For me the Digital version only is fine. I was not aware I had to opt out of receiving the hard copy version.	12/5/2016 3:06 PM
173	I get several emails a day, so when digital version gets distributed by email I end up ignoring or never getting back to reading. The print version I end up reading since I can leave in a place at home and read when I have down time i.e. eating breakfast or bathroom reading material. I pay more attention to physical print magazines than digital magazines I receive in email.	12/5/2016 3:00 PM
174	Digital is pretty much ignored, while having print allows you to read a bit at a time while it's on the coffee table.	12/5/2016 2:59 PM
175	I would prefer the digital version if it could be made available for Flipboard	12/5/2016 2:57 PM
176	Keep up the good work !	12/5/2016 2:56 PM
177	I don't recall receiving the print version lately. That's good!	12/5/2016 2:48 PM
178	Sorry I haven't been more helpful. But I do appreciate your effort in making the ED a great technical mag.	12/5/2016 2:47 PM
179	In this day and age, to force a print magazine for the association in the mail is a waste of money. Granted, I like some of my magazines to be in print form. I just feel that the extra money PEO spent on paying for mailing (which is not cheap now) can be better deployed elsewhere. Coffee tables of our collective engineers and past presidents is not a preferred destination.	12/5/2016 2:46 PM
180	I passed on the old copies of my Engineering dimensions to any student or teacher that wanted one at our North Bay chapter annual student night event.	12/5/2016 2:36 PM
181	It is useless magazine	12/5/2016 2:25 PM

Engineering Dimensions Mini Survey

182	It's important to keep that print format, everything is digital these days. I like to read technical articles and see technical business ads.	12/5/2016 2:22 PM
183	I like black on white print. Other colours Are hard to read for older people though the blue pages are ok	12/5/2016 2:21 PM
184	Interesting articles, on updated issues.	12/5/2016 2:18 PM
185	The digital version didn't work for laptops. Constant horizontal scrolling was required. A link to a PDF file(s) or some other universal format other than Microsoft Word would be appreciated rather than the previous digital edition. This EIT does not use Windows for internet access for security reasons.	12/5/2016 2:17 PM
186	Should offer both print and digital versions before transitioning to full digital version. I don't know what digital version looks like, and am interested in seeing one.	12/5/2016 2:02 PM
187	I would expect that any move to digital submission would be reflected in a reduction on PEO fees due to the cost savings associated with digital vs print.	12/5/2016 2:00 PM
188	keep both for easy accessible and convenient.	12/5/2016 1:57 PM
189	Since the beginning of 2016 I have been trying to unsubscribe from the print edition. I cannot find a working link on the web site. I called PEO by phone and left messages. Nobody returned my calls.	12/5/2016 1:53 PM
190	Keeps me informed about the profession.	12/5/2016 1:37 PM
191	.	12/5/2016 1:37 PM
192	Good articles on engineering accomplishments and engineering initiatives in politics and self government are useful. Comparisons to other regulated professions also (CPA, medical etc). Discussion on education and continual improvement is useful. A huge issue for engineering education and engineers in the work place is the lack of English (business writing, presentation and study of influential writers) and social context. The ability for engineers to coherently write, present and persuade people in the non-engineering occupations is critical. As an owner of a technology company (and an engineer) I am perplexed as to why new grads have little or no exposure to influential scholars from other walks of life. I have seen little discussion on this in Engineering Dimensions.	12/5/2016 1:26 PM
193	I would prefer the digital version	12/5/2016 1:23 PM
194	if you plan to go digital, shave off \$40 from the annual fee.	12/5/2016 1:23 PM
195	Keeps me up to date on what's happening with the profession	12/5/2016 1:22 PM
196	none	12/5/2016 1:19 PM
197	I am the generation of book and magazine readers.	12/5/2016 1:12 PM
198	Can you add the date of graduation of deceased members when listing them?	12/5/2016 1:11 PM
199	Print is probably better to keep older members engaged. But I think it will be an interesting challenge to PEO to keep new graduates engaged. Digital is a good first step, but the content itself matters, too.	12/5/2016 1:10 PM
200	We need articles & topics to be more attractive and reflecting current events....	12/5/2016 1:09 PM
201	Print version can be left out for others to see.	12/5/2016 1:08 PM
202	Good magazine, however, how about including some of the positive issues, articles, influence of the APEO in Northern Ontario mines and industries	12/5/2016 1:07 PM
203	The magazine is a great way to receive the info, as I can leave out the material for guests to read too.	12/5/2016 1:07 PM
204	Career section	12/5/2016 1:04 PM
205	Please switch back to the digital version	12/5/2016 1:04 PM
206	.	12/5/2016 12:58 PM
207	Digital version of Engineering Dimensions would be also ok with me.	12/5/2016 12:57 PM
208	I work on a computer all day.....Reading print versions of media is what I do to relax.	12/5/2016 12:54 PM
209	No comments	12/5/2016 12:53 PM
210	Seldom read it. Being retired and living in Alberta it has little relevance to me.	12/5/2016 12:50 PM
211	In general, I can live with either version.	12/5/2016 12:43 PM
212	The print version is more readable. The digital version is horrendous to read as I cannot see a whole page at a time. Also, I have to spend an inordinate amount looking for information. A complete waste of time.	12/5/2016 12:41 PM

Engineering Dimensions Mini Survey

213	Too many articles on Lawsuits associated with PEO. (BLUE PAGES!) Need to have short summaries of cases not full details! Use magazine for other useful info / articles like Research done by PEO Engineers etc!	12/5/2016 12:39 PM
214	good magazine.	12/5/2016 12:34 PM
215	This is a good professional magazine that transfers professional policies, professional ethics, professional actions and etc, but I like make a suggestion to add more articles about professional technology in different trades. Thanks very one of working persons for this magazine. John Li	12/5/2016 12:32 PM
216	The magazine needs a bit of a facelift. Very dull and dry - when Engineering can be so exciting. I barely read more than a few articles.	12/5/2016 12:30 PM
217	I get so much electronic content that I just don't read it. I can put the magazine at the breakfast table or whatever and it gets read.	12/5/2016 12:30 PM
218	Printed media will soon be obsolete, members need to adjust to current technologies.	12/5/2016 12:29 PM
219	I believe one of the success factor of a magazine is its content. I know it is a challenge to cover all the disciplines of engineering. So, the challenge is how to make the magazine more relevant and appealing to most of the professional engineers.	12/5/2016 12:29 PM
220	I do not and will not read an online news magazine like DIMENSIONS. I spend too much time looking at a screen to do my work already.	12/5/2016 12:28 PM
221	Let's save costs and the environment with digital mailings	12/5/2016 12:25 PM
222	I don't recall receiving the printed version ever.	12/5/2016 12:25 PM
223	nil	12/5/2016 12:24 PM
224	No problem for digital version, it would be preferable for me with Email announcement	12/5/2016 12:23 PM
225	Thank you for your good work	12/5/2016 12:22 PM
226	Please send me link to sign up for digital version	12/5/2016 12:20 PM
227	After I read the print edition, I leave my copy in the waiting room of the ;local health clinic. It is a great way to spread information about the engineering profession. I do the same with all trade journals. It is a great way to reach out to the public.	12/5/2016 12:18 PM
228	I have not received any version on my new home address. I have updated my new addresses with PE.	12/5/2016 12:16 PM
229	Quite a professional layout in the ED magazine. Please sustain the quality.	12/5/2016 12:15 PM
230	I would prefer going back to the digital version	12/5/2016 12:08 PM
231	Peo should communicate through email More telling about digital magazine	12/5/2016 12:08 PM
232	I hope the print edition remains the default version. Thank you.	12/5/2016 12:07 PM
233	For reasons unknown I am not receiving the magazine. This appears to be a recurring problem as it has occurred twice the last eighteen months.	12/5/2016 12:07 PM
234	I read very few of the digital versions when I was receiving those. Switch back to paper is a big improvement	12/5/2016 12:03 PM
235	Print is better	12/5/2016 12:01 PM
236	You need a better digital interface. The interface you used was slow, cumbersome and not reliable. I have a "Texture" subscription and their interface works well with many magazines.	12/5/2016 12:00 PM
237	The print version stays on my counter until it's read, so I have a tendency to read more of it if it's in paper. Additionally, I find that a print version is easier to put down, and resume reading when I can since I can easily bookmark.	12/5/2016 12:00 PM
238	As a Member if ASME I receive and read their Mechanical Engineering which is a far superior publication , technically and editorially .	12/5/2016 11:59 AM
239	I prefer the print version as it is easier to read.	12/5/2016 11:51 AM
240	I find it easier to relax in a comfortable chair and read the print version.	12/5/2016 11:50 AM
241	Would like to see more articles related to Engineering profession and maybe less "event photographs".	12/5/2016 11:46 AM
242	getting the print version encourage me to read more even in my busy days!	12/5/2016 11:44 AM
243	If including more cases about PEO Act / Ethic compliance, that would be great. Thanks.	12/5/2016 11:43 AM

Engineering Dimensions Mini Survey

244	For the print version, I would strongly recommend using a standard PDF format. The other electronic formats are too unwieldy and impractical to use without software and an internet connection. A PDF can be downloaded and read any time.	12/5/2016 11:42 AM
245	Paper makes it easier to put down and return, digital makes it easier to use while away but I never go revisit so digital is worse for advertisers	12/5/2016 11:40 AM
246	I usually find the engineering dimensions magazine boring. My wife is an engineer and she tosses her's when she gets it.	12/5/2016 11:34 AM
247	Need to get more involved with issues which are killing our economy in ontario through ignorance.	12/5/2016 11:33 AM
248	Digital version is tough on the eyes as my job already requires too much computer work. Plus, I don't have a data plan on my phone so the digital version is not accessible all the time.	12/5/2016 11:30 AM
249	the digital version is not very user friendly. Takes some practice to manipulate	12/5/2016 11:30 AM
250	Keep up the good work. Thanks	12/5/2016 11:30 AM
251	Like copy in living room to read at liesure.	12/5/2016 11:26 AM
252	Engineering dimensions keep me up to date with matters of the profession.	12/5/2016 11:25 AM
253	I feel that the issue of ED is mainly bureaucratic and contains little info of interest to working engineers.	12/5/2016 11:25 AM
254	make the default digital and then give the option to have print copy.	12/5/2016 11:23 AM
255	Make it more relevant to all disciplines...mine, mechatronics and biomedical engineering are very under-represented in this publication.	12/5/2016 11:23 AM
256	thanks	12/5/2016 11:21 AM
257	I leave it in our waiting room. It's great hard copy marketing.	12/5/2016 11:21 AM
258	I am old fashioned. I want hard copy	12/5/2016 11:19 AM
259	I have not received my issues regularly.	12/5/2016 11:16 AM
260	I look forward to the technical articles. Good for professional development.	12/5/2016 11:14 AM
261	Please continue issuing digital version.	12/5/2016 11:12 AM
262	I Didn't know that PEO had made the print edition the default to receive Engineering Dimensions in January 2016 !!! I have not receive any hard copies at all !!!	12/5/2016 11:10 AM
263	I'd prefer to get it digitally	12/5/2016 11:06 AM
264	No comment	12/5/2016 11:03 AM
265	Thank you.	12/5/2016 11:01 AM
266	Nothing as of now.	12/5/2016 11:00 AM
267	I am inactive in the field. 78 years old and like to keep informed.	12/5/2016 11:00 AM
268	I don't have room to keep a lot of paper, and if I do keep paper, I will never likely find the piece I am looking for in order to retrieve it for later reference. Electronic filing solves that problem. Being able to save only those articles of interest to a backup drive allows me to back reference easily at any time.	12/5/2016 11:00 AM
269	Some reorganization of the magazine may be helpful in improving content visibility in the electronic version.	12/5/2016 10:57 AM
270	Stay with the print version, it requires some physical action as opposed to deleting it from my email	12/5/2016 10:56 AM
271	Save paper and get rid of the lengthy legal description of the blue pages. A few lines of summary would suffice. Many other jurisdictions already decided to save some trees that way. Be practical, as engineers should be.	12/5/2016 10:55 AM
272	In my busy digital life a print version is handy to access during my work breaks.	12/5/2016 10:55 AM
273	It would prefer to send the hard copy print which would easy to read even U r on the bed.	12/5/2016 10:49 AM
274	Probably most would like to receive both versions. Many thanks.	12/5/2016 10:47 AM
275	If the magazine were only available digitally, I probably would not read it.	12/5/2016 10:47 AM
276	no comment	12/5/2016 10:47 AM
277	After Dimensions published some facetious comments about benefits of climate change I just lost interest.	12/5/2016 10:46 AM

Engineering Dimensions Mini Survey

278	What about cost? While I prefer the print version, if the digital version results in a significant savings to PEO, I would not be adverse to receiving the digital version.	12/5/2016 10:45 AM
279	Benefit of printed version is the flexibility of time for reading in a world of massive internet communication.	12/5/2016 10:44 AM
280	Both myself and others who are not P.Eng.s can read it. I do not "lend" my pass words to others.	12/5/2016 10:42 AM
281	I completely understand why it is better and cheaper to use the soft copy version. Personally, I find it faster to scan through the pages of the hard cover and identify highlights of articles and then focus in on things I want to read more about. I find the soft copy version isolates the readers eyes from the two pages normally presented and requires more tedious clicking to scan through and select pages. Maybe an i-reader would work easier but I don't use one. As a result, for the electronic copy, I won't likely end up reading some pages and it is less likely for me to click all the way through to get to the last few pages. Also, the ads would make me stop reading so the electronic version may not be as effective. You may need to pre-prompt the issue highlighting/short-cutting to - articles that are going to be in the magazine. - if you believe they are good ones or important ones to read. In the end I think everyone believes PEO will change to the electronic version. The hope is that it would be more effective than the printed version - so maybe try and think of some ways you can make it more effective and point that out to readers. My 5 cents.	12/5/2016 10:41 AM
282	I'm old school and still prefer print version.	12/5/2016 10:38 AM
283	like to have to have the option of downloading off line in a pdfformat for off line reading on the subway or train .	12/5/2016 10:38 AM
284	Only print versions are retained in memory and for further use. Electronic editions usually are remained unread.	12/5/2016 10:37 AM
285	The content and delivery method of content can be made more concised and to the point.	12/5/2016 10:36 AM
286	I definitely prefer printed version to read at my ease in the house, But with travel and snowbirds I want access via the Internet,,, So regretfully moving to the digital edition. And I have to purge the house of all my 40 years of magazines if I want a happy retirement...	12/5/2016 10:35 AM
287	Stop sending me Engineering Dimensions, period. I don't want it.	12/5/2016 10:34 AM
288	Domenico Venditti, at 6978 Aldergrove Way, Ottawa, Ontario K4P 1A3 -- has not received print nor digital version for several months ...	12/5/2016 10:34 AM
289	none	12/5/2016 10:31 AM
290	good to get feedback and keep it up	12/5/2016 10:30 AM
291	This is a good magazine which gives knowledge of things happening in the engineering world.	12/5/2016 10:30 AM
292	Only professional related writing shall be selected. If living abroad should be digital version for all. Should be small and engineering practice oriented.	12/5/2016 10:30 AM
293	i would like to switch to digital copy of the magazine. thx.	12/5/2016 10:30 AM
294	I would rather to receive the printed one, as discussed above. Thanks	12/5/2016 10:28 AM
295	Good step - please continue - even if it means a small number of people still on print - eventually change will come.	12/5/2016 10:28 AM
296	You need to move away from the monthly format to a "real time" version where articles pop into your inbox just as headlines come in from the various news media. I'm much more likely to click on a link to a brief story that catches my interest than browse through a full magazine. Have an app for cell phones.	12/5/2016 10:28 AM
297	For seniors the digital version is difficult to read from the computer or tablet. Portability in any environment is easy with hard copy. Environmental savings is a myth with digital.	12/5/2016 10:28 AM
298	I like both versions but have a stronger preference for the print version.	12/5/2016 10:28 AM
299	Thank you	12/5/2016 10:28 AM
300	I hold no strong opinions and I can live with either version. The digital version is more environmentally friendly and it is probably the right way to go in the long run.	12/5/2016 10:26 AM
301	Keep up the good work and report more on current projects.	12/5/2016 10:24 AM
302	I still don't get the physical copy. Better check my settings.	12/5/2016 10:23 AM
303	The content of the magazine is not interesting.	12/5/2016 10:22 AM
304	Digital should be default - consider environmental impacts. Perhaps print for the first 2 or 3 issues to attract readers.	12/5/2016 10:21 AM
305	i was reading the digital version previously b/f default went back to print.	12/5/2016 10:20 AM
306	N/A	12/5/2016 10:20 AM

Engineering Dimensions Mini Survey

307	Focus on making the print edition better. I don't have the time to seek out and read an online magazine, but often find myself flipping through those that I choose to receive either in the bathroom or in the living room.	12/5/2016 10:18 AM
308	Make mobile version easy on the eyes.	12/5/2016 10:17 AM
309	Save the print cost ... use digital.	12/5/2016 10:16 AM
310	I like the nonglossy pages in print version. The electronic version is much easier to put aside, then ignore then forget about altogether. The digital site is much easier to read now than before wich had clunky book view gui.	12/5/2016 10:15 AM
311	Sorry - I am bit old fashioned and also, if I want to show an article to a colleague - the digital version makes this very inconvenient.	12/5/2016 10:14 AM
312	digital copy would be fine	12/5/2016 10:13 AM
313	I prefer print version- easy access. The on-line version often not available and if did not have time to read article not convenient to get back.	12/5/2016 10:13 AM
314	Engineering Dimensions serves as an important link between PEO and the members. Please keep it up with the magazine, either in electronic or in print format, whatever the majority decides.	12/5/2016 10:13 AM
315	I would like to have the option of not receiving the publication	12/5/2016 10:09 AM
316	There is no comparison. I am retired and a considerable distance from the branch location where meetings are held.	12/5/2016 10:08 AM
317	Just recently found out that we had digital version, much preferred, will probably read it more .	12/5/2016 10:08 AM
318	Printed copy is easy to read	12/5/2016 10:08 AM
319	No value add. Cancel the magazine and put the money saved toward reducing membership costs.	12/5/2016 10:07 AM
320	I have yet to receive one of these reports, so I feel most of my answers are unrepresentative of what they would have been had I received them.	12/5/2016 10:07 AM
321	I often take my Engineering Dimensions issues to the cottage or other places where there is no internet connection. And to print articles myself at home and take them along will defeat the purpose of the digital form.	12/5/2016 10:06 AM
322	I want the print version but am not receiving it. When I did receive it I read every issue throughout. Regards, Chris. Couzens	12/5/2016 10:05 AM
323	digital version as a default would be much better	12/5/2016 10:04 AM
324	Thank you.	12/5/2016 10:04 AM
325	I find Engineering Dimensions by PEO a very valuable source for technical information, articles, PEO's functioning and regulatory updates, and various committees proceedings. Is it possible for somebody to opt for both the print as well as the digital versions of Engineering Dimensions?	12/5/2016 10:03 AM
326	Keep up the good work.	12/5/2016 10:02 AM
327	In theory I like the digital issue. In reality I am much more likely to read the print issue. If i don't have time to read the digital issue when the email arrives, I very rarely go back and open it later. The print version sits on my desk until I have time to look through it.	12/5/2016 10:02 AM
328	In addition to receiving the print edition I would like to get notification when the digital version is ready.	12/5/2016 10:00 AM
329	Good luck	12/5/2016 9:59 AM
330	none	12/5/2016 9:58 AM
331	The font sizes are very small to read and if you can make it bigger would be great	12/5/2016 9:57 AM
332	Back to digital version please. Help the environment avoiding unnecessary printing. Save our trees. They provide us the oxigen to breath. Thanks	12/5/2016 9:54 AM
333	print version goes in my library on a shelf	12/5/2016 9:53 AM
334	Please keep the printed version ,if it is not economical to print then provide the extra price for the same. I will buy that.	12/5/2016 9:53 AM
335	The web version was supposed to add content as soon as it comes available per topic and NOT be uploaded on the same schedule as the paper copy. Agreement between Dixon/ Allen.	12/5/2016 9:53 AM
336	I would prefer to receive a summary of what might be of interest to me and then to decide what I would like to read.	12/5/2016 9:51 AM
337	The previous digital version was not easy to navigate. The new version is an improvement, but I still prefer to read the print version.	12/5/2016 9:51 AM

Engineering Dimensions Mini Survey

338	None at the moment	12/5/2016 9:50 AM
339	Reading on screen is too hard on my eyes.	12/5/2016 9:50 AM
340	Stop wasting our dues on this shit	12/5/2016 9:49 AM
341	If I could receive material regarding power supply designs for X-Ray generators, it would be great.	12/5/2016 9:47 AM
342	I need this for purpose of getting all the changes being taken by my association.	12/5/2016 9:46 AM
343	As a member about to retire I am sick and tired of a magazine that I pay for which has provided maybe 1% useful information over the last 35 years.	12/5/2016 9:46 AM
344	Thanks for asking.	12/5/2016 9:44 AM
345	I generally prefer digital but not for this magazine. I find that when digital comes in, I defer it to "later" and never get to it. The print version remains "in my face" longer.	12/5/2016 9:44 AM
346	Include success stories, achievements and innovation in engineering across the globe.	12/5/2016 9:44 AM
347	I was not able to access the engineering dimensions web link.Could not access.May I kindly request you to advise me how to access the same. Thanks	12/5/2016 9:44 AM
348	too heavy on detailed text: needs more photos/executive summaries/relevance to the public interest	12/5/2016 9:43 AM
349	I find digital reading very slow and difficult, but that may be because of me being four-score one old	12/5/2016 9:40 AM
350	I won't read it if it's digital. I may read it if it's print.	12/5/2016 9:39 AM
351	Keep it digital and sent via email. Having it as a PDF as an attachment means that I can always go back to look at it. Perhaps give the table of contents as text in the email so that one can search their emails for keywords for a specific issue. In the end, email is still everyone's favourite digital repository and we use search as the way to find things in it. The more keywords you can place in the body of the email, the easier it is for us to find it after it is buried by the other 20 emails we receive that hour.... Depending on how you send it, if you can track open rates of the emails, you can send friendly reminders to those that have not opened it after a couple of weeks, that is was indeed sent and maybe mention a few articles of interest. All this can be scheduled into a transaction email system so it would not take too much effort. Another thought is that if you go digital, rather than looking at a monthly production (that print requires), really embrace digital and move to smaller, more frequent updates (perhaps even weekly and shift from magazine to newsletter in format), backed by content that is retained on the website. Staying on the path of sending something digitally, maybe consider that digitally sending a print document is unlikely to cater to either the print aficionados or the digital consumers. Just ideas. It is hard to get a message across in today's environment and sending something never guarantees that the message is ever read and understood. I feel your pain...	12/5/2016 9:39 AM
352	More everyday stuff - not everyone is interested in doctorate theses. All job posting are for positions far away or demanding way too much credentials. Let's face it, most of us are just your average Joe engineer.	12/5/2016 9:38 AM
353	Would appreciate it you would cancel my subscription to PEO insurance advertisements.	12/5/2016 9:37 AM
354	I don't look at Eng Dimensions, so would be pleased not to receive it at all.... but certainly not print version, and prefer not to clutter my in box. Thank you.	12/5/2016 9:37 AM
355	I have not Engineering Dimension magazine for many years.	12/5/2016 9:36 AM
356	N/A	12/5/2016 9:35 AM
357	You should eliminate the print version. An Engineer should be capable of managing an electronic version.	12/5/2016 9:35 AM
358	Not much of technical information/ subjects compared to IEEE Spectrum and British IET magazines. Ours contain mostly advertisement and court rulings.	12/5/2016 9:35 AM
359	This is a print vs. digital survey. It may be useful to conduct a separate survey on the contents of Engineering Dimensions.	12/5/2016 9:35 AM
360	The print version just makes so much easier to read any where. No wifi, cell data, etc needed. Print version jus pick it up and start reading any where>	12/5/2016 9:33 AM
361	Important document in our engineering life; keep doing a great job in what way it will be decided.	12/5/2016 9:33 AM
362	I quickly lose attention to digital magazines. Paper print gives value to the Engineering Dimension magazine.	12/5/2016 9:33 AM
363	Please continue the print version for those that prefer it.	12/5/2016 9:32 AM
364	I will try the "text based microsite" at the next issue. The digital version is not really in a convenient readable format for mobile devices (ipad or other ereader).	12/5/2016 9:30 AM

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365	None	12/5/2016 9:30 AM
366	Thanks for this survey	12/5/2016 9:30 AM
367	I suspect that most do not read all or much of the digital edition, but we do read the printed version; easier to re-read articles, etc. Keep the printed version even if it costs more! You have tons of money in the bank!	12/5/2016 9:30 AM
368	I much prefer reading "Professional Engineering" published by the IMechE. There is not nearly enough actual engineering content in "Engineering Dimensions" just boring politics!	12/5/2016 9:30 AM
369	I like the hardcopy version because it is a hard reminder for me to read the magazine. I can put it down and come back to it at a later time. The digital version becomes lost in the past opened emails, and once I have opened the message, the reminder to complete reading the magazine is gone.	12/5/2016 9:30 AM
370	Since I became a member I have always read ED. Then you went digital for about two years. In that period I never saw any issue of ED or read a word of it. Now that sanity has prevailed I see and read every issue. Please keep the print version for at least those of us who prefer it. By the way, if you go back to digital only to save a few \$\$ may we expect to see a commensurate reduction in our annual dues?	12/5/2016 9:30 AM
371	I would love to continue receiving the print edition.	12/5/2016 9:28 AM
372	Further to #6, what I like about the print version is that it is a physical reminder to read it. Although there is an email about the digital version, it is quickly forgotten.	12/5/2016 9:28 AM
373	None	12/5/2016 9:28 AM
374	The only issue of importance is the Salary of Engineers which I use in hiring people. Most of the content are not of any interest to those in Mining, its all the other fields being covered and not about the fundamental engineering that founded the country, it was MINING of silver and gold that got the TSE going and Bay St.	12/5/2016 9:28 AM
375	I don't receive a print version so can't answer questions 4 and 6.	12/5/2016 9:27 AM
376	Enjoy reading every month. Nice to see whats going on within the organization as well as public.	12/5/2016 9:26 AM
377	PEO is ineffective in policing our profession and completely incompetent. No hope of improvement. Pay dues because I need seal.	12/5/2016 9:26 AM
378	I have more important things to do when I am turn on my computer.	12/5/2016 9:26 AM
379	N/A	12/5/2016 9:26 AM
380	The print version is archaic (not the content) and not environmentally friendly. It should be phased out altogether. Whenever possible I have phased out receiving all hard copies of most items I receive and favour receipt of e copies. Our natural resources are important, limited and should not be wasted. Kind regards, Kevin Ridley, P.Eng. (ON, AB), P.Geol. (AB)	12/5/2016 9:26 AM
381	Please stop sending me the publication	12/5/2016 9:25 AM
382	The best thing about the print version is supporting the Canadian Postal system.	12/5/2016 9:25 AM
383	I didn't know there was already a digital version.	12/5/2016 9:25 AM
384	Print version is portable and more easier to read for retired personnel.	12/5/2016 9:25 AM
385	It is helpful to me	12/5/2016 9:24 AM
386	I would prefer digital version.	12/5/2016 9:24 AM
387	Sorry, but I don't really ever read or care about Engineering Dimensions. I think that whatever budget you spend on creating the magazine could be better spent on other areas (or even just cancelling it and lowering the yearly dues). All of the info would be much easier to distribute in a newsletter or similar that just comes out as an email, and the people that care about it can access at their leisure.	12/5/2016 9:24 AM
388	The content is pretty useless. The PEO should just concern themselves with the integrity of the profession (ethics) and maintaining basic engineering standards (education). Most other work is not recognized by the membership as being value added.	12/5/2016 9:24 AM
389	PEO is serving the engineering community of Ontario with passion and addresses almost every aspect of engineering issues faced by the professionals.	12/5/2016 9:23 AM
390	Last issue was great; one of the best yet.	12/5/2016 9:22 AM
391	Informative	12/5/2016 9:22 AM
392	I never bothered with the digital version so when the print version resumed I resumed reading the magazine.	12/5/2016 9:22 AM

Engineering Dimensions Mini Survey

393	The magazine is very useful	12/5/2016 9:22 AM
394	I enjoy reading the hard copy but understand the future is in the digital form and I will have to adjust	12/5/2016 9:21 AM
395	I would prefer you save money by not printing Engineering Dimensions and thus be able to lower PEO membership fees.	12/5/2016 9:20 AM
396	The print version is good and it gives a real insight of what is happening around us.	12/5/2016 9:20 AM
397	Would be helpful if there was a text based digital version that could be emailed monthly so that people could have it emailed to ereaders, etc. Having a digital version is helpful but not a website in my opinion which is not ideal for reading.	12/5/2016 9:20 AM
398	Please improve on the content of the materials in engineering dimension. It should be more technical than praising the PEO. Very disappointed with this waste of money.	12/5/2016 9:20 AM
399	Not going to lie but the print version is great for light reading in the washroom.	12/5/2016 9:19 AM
400	I will try the text based Microsoft	12/5/2016 9:18 AM
401	I like having both Print, & online...	12/5/2016 9:18 AM
402	Great job putting it together!	12/5/2016 9:17 AM
403	N/A	12/5/2016 9:17 AM
404	Magazine should be sent electronically only. It is a waste of money and paper to send out print copies. A print subscription should cost extra for those that want to receive it.	12/5/2016 9:17 AM
405	Let's go digital. You may be less concerned about volume; hence, cutting articles due to lack of print space.	12/5/2016 9:17 AM
406	I am happy with the print edition, and would also be equally happy with the digital edition. I have no preference one way or another.	12/5/2016 9:16 AM
407	Although both versions are acceptable and possess respective advantages, I would like to suggest that you pursue digital version. Thank you	12/5/2016 9:16 AM
408	I like the text based micro site. Note we traveled for 11 months so I switched to digital and have remained digital. I like the text based approach.	12/5/2016 9:16 AM
409	I get the print edition, but I might be willing to change!	12/5/2016 9:16 AM
410	Go digital.	12/5/2016 9:15 AM
411	I like it well enough since it returned to the print version, as I had continuous problem accessing the digital version. Keep up the good work!	12/5/2016 9:15 AM
412	I am prefer to print version	12/5/2016 9:15 AM
413	I wish there was an option to opt out from receiving it.	12/5/2016 9:14 AM
414	Need some quality reports	12/5/2016 9:14 AM
415	I read this magazine at home in the evening when I am away from all the computer stuff which is my normal work day. It is relaxing to read the paper copy as a change.	12/5/2016 9:14 AM
416	Good efforts for community of P.eng. I feel there should be a column on P.eng's residing internationally and how can they be more contributing towards association, job prospects etc.. As P.eng's are not confined ...they should be crossing over countries..	12/5/2016 9:14 AM
417	Print version: you can take to bed, carry it with you in plane or travelling and read in hotel etc.	12/5/2016 9:14 AM
418	n/a	12/5/2016 9:12 AM
419	more articles about the aerospace industry please	12/5/2016 9:12 AM
420	would be a good idea to identify the financial savings for digital	12/5/2016 9:12 AM
421	I really don't find the magazine very relevant. I flip through it from time to time but don't see much value in it. Certainly not enough value to receive a hard-copy in the mail.	12/5/2016 9:11 AM
422	Thank you from all guys	12/5/2016 9:11 AM
423	Print is the only way I will read it. I'm on the computer all day for work and studies. Getting off the screen time is important.	12/5/2016 9:11 AM
424	I like print.	12/5/2016 9:11 AM

Engineering Dimensions Mini Survey

425	Please keep the print edition as the default.	12/5/2016 9:10 AM
426	The digital version is a great idea, it should be the default choice for every PEO member.	12/5/2016 9:10 AM
427	Glad if the magazine shows a detailed analysis of an iconic project (Canadian or international) in each issue.	12/5/2016 9:10 AM
428	Don't try to replicate a physical magazine in a digital form with full fidelity. Take inspiration from magazine apps such as The Economist or an RSS reader like feedly. For content, print many more blue pages with recent decisions, not 3-4 year old dispositions of old files.	12/5/2016 9:09 AM
429	Just accessed the link - I like the format and will be looking through the digital edition. Thank you!	12/5/2016 9:09 AM
430	I haven't received any dimensions because I am not eit yet. Thanks.	12/5/2016 9:08 AM
431	Make it digital please.	12/5/2016 9:08 AM
432	Everything is fine	12/5/2016 9:05 AM
433	Maybe send out a print version once per year with monthly newsletter on line.	12/4/2016 1:13 PM
434	If you offer both. I will access the one that is more convenient. So far it is the print one. I find it more difficult to prompt myself to read the digital. When it come in the mail I read it immediately. I get so much on the internet mail is better for me. Thank you	12/4/2016 12:35 PM
435	None	12/4/2016 9:31 AM
436	If it comes in the mail I'll read it. Digital version ends up sitting un read.	12/3/2016 7:52 PM
437	Have not received ED in a year!	12/3/2016 2:46 PM
438	Are you obliged to include all the Decisions and reasons in full detail? All of 12 pages this last issue. Such a waste of trees	12/3/2016 12:32 PM
439	I would like to receive the digital version instead of the print version	12/3/2016 9:54 AM
440	print copy is more convenient	12/3/2016 9:41 AM
441	Lack of sufficient leisure time and no time at work to be spent on reading Engineering Dimensions leaves me to postpone providing further comments or suggestions.	12/2/2016 5:53 PM
442	Digital version saves postage.	12/1/2016 10:00 PM
443	Although I've requested the print version I do not receive it regularly.	12/1/2016 11:17 AM
444	Please send copy to home address: Matthew Julien 1/2mm Lopinot Road Arouca Trinidad and Tobago	11/30/2016 2:38 PM
445	Because the digital version is more convenient to access, archive, search, and cost-effective to produce I think it should be the choice going forward. Digital version can be convenient to read, make notes than the print version. I prefer the digital version	11/29/2016 9:39 PM
446	N/A	11/29/2016 8:43 PM
447	Easier to access without having to sit at a computer. Can access it when convenient at odd times.	11/28/2016 4:07 PM
448	Some of the articles are too long and the font is too small... not very encouraging to read entire articles. Need to be more succinct.	11/27/2016 7:49 PM
449	I am satisfied with how you deliver the digital copy via e-mail by providing the link(s) to the magazine. This will give me the flexibility to read whenever and whichever issues I like.	11/25/2016 6:27 PM
450	I like the print because I can take it to cottage or anywhere and anytime where is no one interrupt me.	11/25/2016 10:15 AM
451	I was receiving the magazine digitally, then default was print and haven't got around to change it (not top daily priority). Not sure why former selection couldn't have been default, but will change it now - not a big deal.	11/24/2016 4:44 PM
452	It's easier to browse the print version; the digital version takes time and awkward to scroll for readable portions.	11/24/2016 9:49 AM
453	I like the print version, while the digital version is OK, I find the print version more user friendly and easier to read	11/23/2016 11:55 PM
454	To align the Engineering Dimensions with PEO strategic goal of introducing Continuous Development, more technical items on current trends and new technologies should be published.	11/23/2016 11:45 PM
455	In addition to a career management practice I lead, where clients and check out the magazine, I also lead several courses in universities and professional associations where a 'show and tell' version of the magazine is useful.	11/23/2016 4:16 PM

Engineering Dimensions Mini Survey

456	Good to see disciplinary actions getting more in line with misconduct. Previously reported items were like spitting in face of ethical engineers, and almost encouraged repeat bad behaviours. Starting to be more respectable as self regulating profession.	11/22/2016 10:56 PM
457	No comments, Thanks.	11/22/2016 7:12 PM
458	na	11/22/2016 2:50 PM
459	This survey is a great idea. Unfortunately, as a PEO, many people are other associations and therefore other magazines that we would like to read, however cannot find the time to get to as often as we would like. - the environment can benefit from the digital approach.	11/22/2016 2:47 PM
460	I prefer hard copy because i do not have time to read it digitally. Hard copy is way more portable and convenient for me.	11/22/2016 11:45 AM
461	Please don't mail hard copies. It's a waste of paper.	11/21/2016 9:30 PM
462	Prefer Print copy of Engineering Dimensions.	11/21/2016 7:42 PM
463	I find I never read the online versions, just file them and then never open them to read them. the hard copy I read at home and it's much easier to leaf through. Personal preference...	11/21/2016 6:18 PM
464	Thankyou for listening.	11/21/2016 11:36 AM
465	Having the print copy reminds me to read it. The digital copy just gets left unread.	11/21/2016 8:23 AM
466	None.	11/20/2016 8:46 PM
467	Print is irresponsible where digital editions are available. We're all engineers for crying out loud, so it shouldn't be a stretch to get a table to read on...	11/20/2016 7:46 PM
468	First of all PEO fails to recognize that a significant number of us DO NOT have satisfactory internet access at home. Even in smaller urban areas not everyone can get affordable and reliable internet. Secondly, articles in Dimensions are often "folksy" and below the level of a profession's expected level. Other than the president, how many staff or elected members contribute? How come there is space for neverending trivial enforcement cases, but not any "help wanted postings?"	11/20/2016 11:55 AM
469	no comment	11/20/2016 11:02 AM
470	I generally leaf through ED, which is easier to do with a print copy vs. electronic. That being said, if my PEO fees could be reduced by eliminating the print version, I would support that decision.	11/20/2016 10:55 AM
471	I find that I would read or at least scan 75 to 100% of the digital version. I am inclined to read it each time it arrives in my e-mail. I am less likely to read or scan the print version - I do not carry it with me and therefore have limited access to the print version.	11/20/2016 9:25 AM
472	Please include some engineering case studies about failure of major engineering structures or machines. Investigations about the causes of failures and lessons learned. I am interested more in mechanical structures failures and causes. Thank you.	11/20/2016 7:15 AM
473	I'm unsure how digital version is provided. I want to be able to easily download PDF version (without logging in) and save it for later reading/reference.	11/19/2016 11:41 PM
474	digital version is out-of-sight, out-of-mind. Paper version sits on the desk calling out to be read whenever i take a coffee break.	11/19/2016 5:27 PM
475	I'm much more likely to read engineering dimensions since it's mailed to me. Like many many people these days, I'm overloaded with digital content.	11/19/2016 4:23 PM
476	far better to a hard copy. Easier reference of previous issues and articles.	11/19/2016 10:21 AM
477	I'm new to PEO and ENGINEERING DIMENSIONS, so cant base decision on a very long experience;)	11/18/2016 10:33 PM
478	question #4 is not relevant if someone answered DIGITAL for question #1. your results for this question will be erroneous.	11/18/2016 9:30 PM
479	None	11/18/2016 8:43 PM
480	Print font too small	11/18/2016 5:35 PM
481	Nothing to add.	11/18/2016 12:38 PM
482	I would be willing to try the electronic version of the newsletter to save on paper	11/18/2016 9:35 AM
483	Thank you	11/18/2016 9:17 AM

Engineering Dimensions Mini Survey

484	Nice to receive it but I would not miss it if it did not come	11/16/2016 6:01 PM
485	At the age of 89 with poor mobility I prefer to read it. TFR	11/16/2016 5:39 PM
486	I recommend to keep print version on your default :)	11/16/2016 4:02 PM
487	Please include industry future trends as a topic based upon municipal, provincial and federal governments' budget allocation shift.	11/16/2016 2:49 PM
488	It is easier to read the hard copy or printed version and this way is more friendly toward eyes.	11/16/2016 12:00 PM
489	I have never received the digital version	11/16/2016 11:15 AM
490	Print version is easy to review back to earlier articles especially past issues. I tend to keep at least one years past. Thank you.	11/16/2016 10:48 AM
491	Appreciate PEO continuing the print version for members	11/16/2016 10:39 AM
492	Make it a bi-monthly journal if print version is used.	11/16/2016 10:32 AM
493	Please make continue with Print version.	11/16/2016 9:34 AM
494	I like the print because you can work with it i.e. make comments in the margins, underline items, have a consolidated publication rather than all kinds of notes distributed through the house....etc.	11/16/2016 9:34 AM
495	Unfortunately just no time to read it!	11/16/2016 9:28 AM
496	all the best	11/16/2016 8:26 AM
497	If you want to "push" critical issues for member education or input, print is most effective but those pieces could just be ad hoc, of course, saving printing and mailing costs.	11/16/2016 7:56 AM
498	Just accessed the Engineering Dimensions text-based microsite (including the digital editions) and I'm happy with that.	11/16/2016 7:52 AM
499	No further comments.	11/16/2016 7:50 AM
500	The paper version is something that can be easily shared.	11/15/2016 11:09 PM
501	Website was a great idea as the digital version is just janky and doesn't work well. Would almost be nicer to go website only and release article weekly instead of all at once. I never read the whole thing cause who has time to consume the whole thing at once. So I read a few times then never go back. Get people to drop by the website once a week for another short read then back to work.	11/15/2016 10:37 PM
502	You can pass on the print version to edify other people.	11/15/2016 10:00 PM
503	Source of info what is happening in the engineering community, how PEO's ensuring public safety, attracting younger generation especially females to the engineering field etc.	11/15/2016 8:25 PM
504	I have not made time to review the magazine. When I do, I read several sections which appeal to me, then I keep the items that mean something to me for future reference. I think it would be better for me to receive the digital version, so I can read the sections I am really interested in on my tablet.	11/15/2016 7:30 PM
505	N/A	11/15/2016 4:46 PM
506	I enjoy the print, I can read at my pleasure, I can't read for a long time off a computer screen. Please continue with the printed versions.	11/15/2016 12:11 PM
507	n/a	11/15/2016 9:42 AM
508	Engineering Dimensions is more oriented to "mainstream" engineering (I am a transportation engineer) so I don't find all that much of interest to me in it - although I occasionally browse it anyway.	11/15/2016 9:19 AM
509	My concerns about engineering dimensions are more related to PEO's inadequacies than the magazine itself.	11/15/2016 8:09 AM
510	For now I prefer the print copy as I actually read it. I would consider going back to digital but would want to test it out first before committing to a switch to see if a new format made it more palatable.	11/15/2016 7:12 AM
511	digital copy is great. Takes less space and is environmentally friendly. And probably much cheaper to produce.	11/14/2016 11:41 PM
512	could not answer question 4 because I never accessed a digital version.	11/14/2016 10:45 PM
513	Support paper industry	11/14/2016 9:53 PM
514	I appreciate the cost savings and environmental savings associated with going to a digital version, but I am old enough to still appreciate having paper in my hands. And I imagine that there are many older retired engineers who have (much) less facility with computers than I am.	11/14/2016 7:19 PM

Engineering Dimensions Mini Survey

515	nothing at this time	11/14/2016 4:35 PM
516	To clarify my answer to Q4, when you made print the default I immediately changed my preferences back to digital only before I had even received the first print issue.	11/14/2016 3:52 PM
517	Keep sending the print version. Thanks	11/14/2016 2:52 PM
518	As an 80+ retiree I find the print version much more convenient for occasional reading even though I have an iPhone and an iPad.	11/14/2016 12:34 PM
519	Ditch the print copy unless specifically requested.	11/14/2016 12:27 PM
520	Digital may be better in many ways.	11/14/2016 11:52 AM
521	Cancel my print version please. I am trying to achieve near zero paper mail.	11/14/2016 11:44 AM
522	I think that it was a waste to make the print edition the default. I really didn't need to be moved to print. My dues should be put to something more useful than postal charges.	11/14/2016 11:10 AM
523	When other people come to my office, they pay more attention to the magazine than my license hanging on the wall.	11/14/2016 10:50 AM
524	I spend my life reading and looking at computers. If you put engineering dimensions online only, I won't read it. The content is marginal anyways, so please keep sending the print copy	11/14/2016 9:56 AM
525	Can we not have both options available to receive Engineering Dimensions i.e. make digital version available to all and send print version to people who opt for it?	11/14/2016 8:51 AM
526	Content, type of articles is very much the same, every issue and every year. Time for a change! Refresh the content. Too much policy driven.	11/14/2016 8:43 AM
527	Let's go digital, I can anything read even on my smart phone, I do not have to carry any paper.	11/14/2016 8:05 AM
528	An issue with receiving print versions not covered in the survey is storage of physical copies - or - having to decide whether or not to recycle them.	11/14/2016 7:47 AM
529	Thanks.	11/14/2016 7:31 AM
530	Print edition is convenient to read.	11/14/2016 6:30 AM
531	Stop trying to save money. We pay enough membership fees to receive print edition. Stop wasting money in chapter findings if you are looking to save money.	11/13/2016 11:37 PM
532	Two engineers in our house, only need one print version, if it continues.	11/13/2016 9:52 PM
533	I would be open to try the digital version - i did not realize that there was access to archived issues. Makes sense when you think about it.	11/13/2016 9:48 PM
534	I prefer the print edition.	11/13/2016 8:06 PM
535	Digital version is best suitable.	11/13/2016 8:05 PM
536	Separate the blue pages from the rest of the magazine in digital format and I may opt to receive digital format again. I'm essentially only interested in the president's editorial and the blue pages.	11/13/2016 7:48 PM
537	Go green!	11/13/2016 7:31 PM
538	Even though I replied to Question 1, I am not currently receiving either the print or digital edition. I don't know why.	11/13/2016 7:14 PM
539	I hate the current format of the digital edition. PDF only, please!	11/13/2016 6:43 PM
540	My paper version usually comes folded in half due to our Canada post rep Much prefer digital version due to reduced environmental impact.	11/13/2016 6:05 PM
541	.	11/13/2016 5:06 PM
542	There are may professional issues that should be brought to the discussion table.	11/13/2016 3:59 PM
543	My preference for the Print Edition is that I tear out pages of interest and file them under specific category.	11/13/2016 3:44 PM
544	please eliminate the printed version. we engineers seems to always lag behind the rest of the world. it is time to set an example.	11/13/2016 3:18 PM
545	Maybe it's my aging eyes, but I do find paper easier to read than on-screen.	11/13/2016 2:30 PM
546	I prefer the print version, so that I can read it even when I do not have access to a computer. Easier for my ageing eyes.	11/13/2016 2:27 PM

Engineering Dimensions Mini Survey

547	Looking at the text-based microsite in item #8 above, it would be good in my opinion to send an email when the new Engineering Dimensions are posted with a link to that microsite (rather than the direct link to the Digitality Works website). People may pick up articles of interest, rather than to through the entire magazine (which they may not do because of time ...)	11/13/2016 12:28 PM
548	I am not receiving my copy for almost two years Best/walid sadik	11/13/2016 10:51 AM
549	I am retired and don't get involved	11/13/2016 10:09 AM
550	I sit in front of a computer for more than 10 hours a day 5 days a week. The last thing I want to do is read digital magazines on a home computer positioned in a different room than my family when I am at home. Having said that, I do read general news feeds daily online on a portable device because they are brief articles that change daily--I skim for the most relevant news stories. I find this method difficult to apply to a full magazine from cover to cover.	11/13/2016 9:23 AM
551	very professional as usual	11/13/2016 9:21 AM
552	I definitely prefer the digital version! Please make it available instead of the printed version. Thanks	11/13/2016 9:09 AM
553	The hard copy is so convenient in this busy world. Simple to resume where you left off by just picking up the magazine again.	11/13/2016 7:23 AM
554	please make digital by default	11/13/2016 12:05 AM
555	Since I receive the digital version already in 2016, my answer to #4 is irrelevant.	11/12/2016 8:43 PM
556	Engineering dimensions is a good way to keep the PEO members up to date in the latest topics.	11/12/2016 8:25 PM
557	I suggest you make digital the default to save money...	11/12/2016 7:23 PM
558	Digital is the way to go	11/12/2016 6:57 PM
559	I would like digital but I know I would read it less, mainly due to the amount of other emails I get.	11/12/2016 5:28 PM
560	Engineering Dimensions is very hard to get interested about or to read. At least if it arrives in the mail there is a chance I pick it up and look through it and hence my preference for print.	11/12/2016 4:45 PM
561	Thanks for asking!	11/12/2016 3:41 PM
562	I would like to receive the print copy of the Engineering Dimensions. Thank you very much!	11/12/2016 2:50 PM
563	Thanks for keeping in touch.	11/12/2016 2:10 PM
564	Thank you for your efforts in providing this important document.	11/12/2016 10:21 AM
565	I know we should be trying to live in a paperless society! However I prefer the print because I can just leave it lying around and read articles between doing other things. I don't read the digital version the same way.	11/12/2016 8:09 AM
566	Just send an email with the useful or interesting articles you want to showcase as hyperlinks. That way if someone wants to read them, they just need to click, and get access. If they like what they read they'll stay on the site. Reality is, if they won't give you the time of day to click on a link in an email, why would they bother reading the printed copy? I'd prefer using the money, (which is otherwise wasted on producing the magazine) for engineering programs for kids like in summer camp or use it for medical research to cure cancer or MS or something. We're engineers registered to PEO, if we want to find information about PEO we'll look for it ourselves on your site, otherwise be efficient and use the money for something worthwhile.	11/12/2016 12:01 AM
567	It would be great to have more brief highlights of great Eng. projects and member achievements in Ontario	11/11/2016 8:31 PM
568	-	11/11/2016 6:43 PM
569	You can't replace a hand-held paper version.	11/11/2016 5:39 PM
570	The digital version becomes just another scheduled task in the digital rat race. It will be skimmed at best because there are always other tasks to be done. However, the print version gets tossed in my end-of-day optional reading file I use to maintain my professional development. Therefore, it's not work -- its pleasure I can do on the couch with a cup of coffee. Because of this I read it more slowly and thoroughly, think about the issues more deeply and retain more ideas. I could change my habits, of course, but this is my reality. In summary, I prefer the print version for reading and the digital version for research, and find them both valuable.	11/11/2016 4:24 PM
571	Each issue of Engineering Dimensions is well made, thoughtful, enlightening and educational.	11/11/2016 2:41 PM
572	DO NOT RIGHT JUSTIFY the articles it makes them hard to read and comprehend! !	11/11/2016 2:38 PM

Engineering Dimensions Mini Survey

573	When the switch to "digital only" was made, members should have been asked first if this change was acceptable. This matter of print/digital is yet another example of the disconnect between Council and Head Office versus the membership at large. If Council does not start to better understand and reflect the issues that matter most to members (within the realm of the Professional Engineers Act) then I foresee a future where the membership will ask the province to simply administer licensure in the manner it is done in the U.S.	11/11/2016 1:00 PM
574	for environmental reason I like digital, but I do not read it. Print edition I read.	11/11/2016 11:35 AM
575	... am retired from professional engineering, so a lot of magazine is now irrelevant.	11/11/2016 10:00 AM
576	Print version is more convenient , portable , don't have to sit in front of the computer, carry with you in any room in the house, bed time reading. etc.	11/11/2016 9:32 AM
577	go digital. save the trees, water and energy required for something more important than a printed version.	11/11/2016 8:16 AM
578	Keep PEO costs down and stop making the print version the default	11/11/2016 6:21 AM
579	I have been disappointed by the non-response of ED to my emailed ideas for articles. Particularly, I have offered to write articles exposing the total lack of interest exhibited by the current Ontario government, in disruptive technology ideas of potentially huge benefit to ordinary Ontarians. In my opinion, it's time for PEO to stop kissing political butt, and start kicking political butt.	11/11/2016 2:34 AM
580	If the digital format is adopted, I shall print only the items which are of interest to me . The paper is easier on the eyes than the screen. I do not see a major problem for this. Thank you.	11/10/2016 11:50 PM
581	Unless you plan to pass on savings from stopping the print version to us retired folk, then I want a printed copy so that I can read it. When you do that, my tired eyes won't be able to enjoy the electronic version of the magazine and I will simply ignore all of the news and articles in it. Do you want us informed or not? That is your question to answer... It's a lot like voting for TRUMP! You pick your poison and then live with the results!	11/10/2016 11:24 PM
582	Do not want electronic version. Will never read it!	11/10/2016 11:23 PM
583	I would be happy to change to digital copy. thank you!	11/10/2016 9:47 PM
584	Articles about ethical dilemmas faced by petroleum engineers in the face of global warming	11/10/2016 9:25 PM
585	How can I switch to digital?	11/10/2016 9:10 PM
586	I like printed journals more than digital	11/10/2016 8:37 PM
587	I'm going to try the digital version and see if I like it. Thank you.	11/10/2016 8:07 PM
588	Digital publication are hard to navigate especially when they try to look like the print version. If your digital version becomes better, I'd rather do that vs paper.	11/10/2016 7:01 PM
589	It is a very dry magazine. Consider a more attractive layout.	11/10/2016 6:24 PM
590	Keep the digital as the default one. Only if specifically required deliver print version.	11/10/2016 6:22 PM
591	I won't read a digital version, I already spend too much time in front of the computer.	11/10/2016 5:53 PM
592	I shared my comments in the past to help improve the magazine. You chose to ignore the recommendations. Based on discussions with colleagues, you have lost touch with you membership. In the long run, this will hurt PEO.	11/10/2016 5:36 PM
593	Any chance of an epub version? That works very well on all types of devices. I can resize and reflow the text for the screen. I can zoom in on images. I can read it offline. (Things I can read on my phone while waiting for the kids get read. Things I need to be at my desk for usually don't.) Fancy page turning takes time and processor speed and is annoying. There is no need to DRM the file, since the only non-members who read it are probably people you want reading it, such as future engineers. (If you really want to, you can hire Amazon to deal with DRM and subscriptions, or maybe another service, but I don't see the need.) Please send us a link that we can download, rather than the actual file. My father (also an engineer) still uses Thunderbird on a slow line. (They retired to the cottage.) If you send him a file, he cannot check the rest of the email until it's finished downloading. Thanks for asking, Sandy Schoen, P.Eng.	11/10/2016 5:24 PM
594	Print is better	11/10/2016 5:10 PM
595	In addition to my comments in 6. above I prefer the print version for easy reference.	11/10/2016 4:52 PM
596	I want digital. Where do you sign up.	11/10/2016 4:19 PM
597	Digital version = 0% chance of me reading any of it. Print version = 100% chance of me reading a little bit of it.	11/10/2016 4:08 PM
598	I am 87 years old and prefer the version that I can read without wondering if my computer will no longer function when I want to use it. The Printed version is something I am can take with me and sit and read when and where I want to.	11/10/2016 3:25 PM

Engineering Dimensions Mini Survey

599	I am not interested in receiving the Engineering Dimensions magazine as I don't find the content interesting.	11/10/2016 3:08 PM
600	I do not see much value in the publication. It seems to contain many articles that are PEO patting itself on the back.	11/10/2016 1:03 PM
601	I am a "print guy", but I would prefer to receive the electronic version.	11/10/2016 12:27 PM
602	In general I prefer reading printed versions vs. on-line, but for Dimensions, when i have the printed version I put it down and the clutter around my house covers it up and I don't find it again for several months. The other nice thing about Dimensions is that the articles are of a length that make it easy to read on-line.	11/10/2016 11:09 AM
603	I like the print version due to very limited internet data availability. I do not down load digital versions of documents or magazines.	11/10/2016 9:58 AM
604	Content no relevant, published far to often for the content available.	11/10/2016 9:17 AM
605	I have never read the magazine and don't intend to.	11/10/2016 9:12 AM
606	It is a personal preference. I do not like e-books and I do not like electronic version of Engineering Dimensions.	11/10/2016 8:57 AM
607	I carry the printed version and read it during travel. I would never open the digital copy during travel	11/10/2016 8:45 AM
608	If I can not receive this magazine in print version please do not bother emailing me with the digital version. I will simply not ever read the digital version.	11/10/2016 7:35 AM
609	more articles about engineers and their career paths; more interesting articles	11/10/2016 6:23 AM
610	I hardly read either version. Therefore a printed version is a waste of money.	11/10/2016 5:40 AM
611	Good move into the future	11/10/2016 3:11 AM
612	stop wasting paper	11/10/2016 12:18 AM
613	none	11/10/2016 12:17 AM
614	I also share my copy with EITs in our office	11/9/2016 11:19 PM
615	Digital version is nice to be able to access when travelling, or away for a few months. When home, I prefer the paper version.	11/9/2016 11:17 PM
616	I live and work in SE Asia so the digital version is the only practical option.	11/9/2016 10:55 PM
617	keep the print copy available	11/9/2016 10:42 PM
618	Prefer printed version to decrease screen time.	11/9/2016 9:36 PM
619	I think I (I'd) get more from the printed version. Paper hangs around in visible places in my house which makes me more liable to open it and read it. With many e-subscriptions, the trend for me seems to be that I will likely more frequently delete the the e-mail notification.	11/9/2016 8:57 PM
620	It was stupid and wasteful use of funds to resume issuing printed magazines, without any request by members.	11/9/2016 8:52 PM
621	Very pleased to get the print version again. Tried the digital version but it was just too clumsy to try to read. A friend gave me his magazines after he had read them. I don't remember ever agreeing to the digital version either. Enjoy the technical articles and letters to the editor. ADL	11/9/2016 8:42 PM
622	Digital please. I was disappointed to see the recent regression to paper.	11/9/2016 8:18 PM
623	Please switch me to digital.Thanks.	11/9/2016 8:02 PM
624	digital version not easy to quickly browse to find articles of interest	11/9/2016 7:59 PM
625	I like the print version.	11/9/2016 7:25 PM
626	It is a good source of information.Thank you.	11/9/2016 7:11 PM
627	Whom in their right mind would have thought that in today's day and age it would be a *smart* idea to go back to print copies of this magazine. Oh! I know... must have been an engineer! (bleeds sarcasm)	11/9/2016 7:01 PM
628	As everybody is turning, digital, there is too many things to read online (so we don't read). But a hard copy you can bring it with you, read some part here and there in you free time, and write your comments or underline the things that interest you most.	11/9/2016 6:22 PM
629	n/a	11/9/2016 4:57 PM
630	Sorry, but it's just not relevant to me. I am inundated with emails and magazines from various organizations (esp. IEEE) and I barely have any time to read as it is.	11/9/2016 4:46 PM

Engineering Dimensions Mini Survey

631	I probably would prefer not to receive Engineering Dimensions. It seems to be geared to civil, chemical and "heavy" engineering. I am an Electronics Engineer and there is not much of that. I also am not interested in non-engineering issues and concerns.	11/9/2016 4:07 PM
632	i can understand that digital is better for future but to avoid more time on computer it is better print version to easy read, understand and keep reading practice of books which is my one of best hobby.	11/9/2016 4:02 PM
633	Every week there is a computer problem. With the print version you do not have that.	11/9/2016 3:35 PM
634	I found I deferred reading the electronic version. The interface did not help. The continuous mouse movement is a hazard for Repetitive Strain Injury.	11/9/2016 3:05 PM
635	I need print version	11/9/2016 2:34 PM
636	Hi I currently do not receive the digital edition and therefore cannot answer questions related to the digital edition.	11/9/2016 2:13 PM
637	More important than "Print" vs "Digital" is the content...	11/9/2016 2:13 PM
638	I love reading Engineering Dimensions. I am getting new ideas for research	11/9/2016 1:57 PM
639	Thank You	11/9/2016 1:57 PM
640	I prefer Digital.	11/9/2016 1:53 PM
641	the convenience of a printed version is unmatched	11/9/2016 1:02 PM
642	None	11/9/2016 12:44 PM
643	Thank you.	11/9/2016 12:19 PM
644	Make it relevant to the none-civic/environment industry i.e. electronics/high tech industry and maybe I'll start taking a little more interest in it.	11/9/2016 11:47 AM
645	I will probably always want a paper copy, but value having it on-line as well (both as pdf and in reader-friendly format).	11/9/2016 11:30 AM
646	I would appreciate receiving less paper (especially insurance ads) from PEO as this does save the environment.	11/9/2016 10:19 AM
647	Great and important magazine for the engineering profession	11/9/2016 9:51 AM
648	I'm overloaded with information which is why I don't read Engineer Dimensions anymore. I don't like getting the print version because I then have to throw it out. It just adds more clutter to my living space. Plus I don't find it very relevant to my work which is in Information Technology	11/9/2016 9:47 AM
649	While I recognize the benefits of a digital-only magazine, I still enjoy receiving the hardcopy. I find a colleague is more likely to read an article/letter if I hand them a physical copy of the magazine as opposed to sending them a link. Plus, the "blue pages" just aren't the same online.	11/9/2016 9:30 AM
650	As a retiree, I can live with the electronic version.. to save money.	11/9/2016 9:13 AM
651	Prefer Print	11/9/2016 9:10 AM
652	I like print version as it is more convenient to read.	11/9/2016 9:09 AM
653	As with many others, I am completely inundated with mailed and emailed reading material. There is time to look at only a small fraction of it.	11/9/2016 9:06 AM
654	Please stop sending it.	11/9/2016 7:53 AM
655	The digital copy opens the possibility of a portable version that would be great for catching up on reading - say when you are stuck at an airport with limited options...	11/9/2016 7:46 AM
656	I like taking the magazine with me and find it a relief from too much computer screen.	11/9/2016 7:28 AM
657	i dont make a lot of time to review the engineering dimensions magazine, so unfortunately my input it minimal. i prefer hard copy materials i can read them on my own time - i associate time spent on a computer with work, so i prefer not to extend those hours beyond what is required	11/9/2016 6:47 AM
658	Policy information.	11/9/2016 6:35 AM
659	old school guy, still prefer a hard copy!	11/9/2016 3:43 AM
660	Digital takes less resources for a publication which I do not access regularly.	11/9/2016 12:00 AM
661	Overall, I would like the digital copy.	11/8/2016 10:51 PM
662	Well done magazine.	11/8/2016 10:14 PM

Engineering Dimensions Mini Survey

663	I had click something for Question 4 however I didn't receive ANY paper copies of the magazine in 2016 - I only received the digital version by email.	11/8/2016 9:48 PM
664	N/A	11/8/2016 9:40 PM
665	Didn't even know the microsite was available, how was this advertised?	11/8/2016 9:35 PM
666	Two PEng at the same mailing addresss could use just one printed magazine.	11/8/2016 9:10 PM
667	I like the magazine but find my time is limited to read it. I like reading from the print but like the digital because it is environmentally friendly. I will practice reading the electronic version and maybe I can eventually switch over... Thank you!	11/8/2016 9:05 PM
668	It is very easy to skim Engineering Dimensions on physical paper, look at the Blue Pages, look at the advertisements. For digital: I get many email publications and it is much more likely to be filtered into my Promotions category along with other digital newsletters - and if I don't open it up that day it might as well have never existed.	11/8/2016 9:02 PM
669	maybe a few "interest" articles that showcase some new technologies being introduced into world- construction materials, processes, electronic gadgets, test equipment, etc that would be of general interest to engineers would add a "dimension" to the magazine that I beleive most would find worthy to read. potential topics: new wind turbine designs, state of the art solar panel substrates, carbon fibre/graphene/nanotube/nanosperes, GPS/mapping/guidance technologies, possibilities are endless..	11/8/2016 9:00 PM
670	Honestly if I did not receive a print copy I would not read it	11/8/2016 8:55 PM
671	stop using stock images for the cover, take some real pictures! More chapter news	11/8/2016 8:55 PM
672	Print version is preferred because I will actually read it. The digital version is too easily forgotten after marking to read later.	11/8/2016 8:40 PM
673	A lot of effort goes into preparing the entire issue of Engineering Dimensions however only the regulatory/enforcement/legal aspects are of true importance to me.	11/8/2016 8:33 PM
674	Print version is much easier to read intermittently.	11/8/2016 8:16 PM
675	Very well done. The blue pages and the articles are very informative.	11/8/2016 8:10 PM
676	In a busy life one must juggle time to read. The print version gives me the opportunity to read while eating or in bed. Reading the digital version became yet another chore.	11/8/2016 7:53 PM
677	Hands down print is better than digital for me.	11/8/2016 7:10 PM
678	The microsite (new to me) is very well designed and implemented. Didn't try it on the smartphone yet, but will do so. Many mobile apps are hard to zoom and scroll....if yours is good, you can expect to lure readers away from the print version. Engineers tend to be conservative and a bit crusty. They will come around if the mobile app is good. Don't give up. There is too much money wasted on a print version that many don't read. On the other hand, most professional journals are pretty stuffy and text heavy. Putting in some SW demos and meaningful links, and REAL courageous journalism would help increase readership.	11/8/2016 6:50 PM
679	More space should be devoted to important engineering issues. Cut down on administrative matters. Layout is fine!	11/8/2016 6:46 PM
680	When I go to the internet there are so many more interesting items than technical journals. One other society switched me to digital for a year, but I never got around to reading a single issue, though I generally read every printed issue in the bathroom..	11/8/2016 6:43 PM
681	Environmentally friendly comes first.	11/8/2016 6:34 PM
682	I have been a PEng for over 40 years. So maybe I have more difficulty embracing the reading of a digital version	11/8/2016 6:33 PM
683	Please go back to the Digital version!! Let's reduce our foot print in the planet and move to more environmentally friendly alternatives.	11/8/2016 6:25 PM
684	I like that I can read the digital version anywhere.	11/8/2016 6:04 PM
685	None	11/8/2016 6:00 PM
686	I read the magazine when I have relax time, away from a computer.	11/8/2016 5:55 PM
687	I prefer paper copies as having the physical copy remind me to have a look at the magazine. When I receive only digital copy through e-mail I tend to forget about them and never look at them as the e-mail get buried in my mailbox.	11/8/2016 5:52 PM
688	more articles about the aerospace sector would be appreciated	11/8/2016 5:45 PM
689	Probably an app instead of web site is more convenient on mobile device.	11/8/2016 5:45 PM

Engineering Dimensions Mini Survey

690	It's hard to lea a computer, tablet etc on the back of the toilet.	11/8/2016 5:35 PM
691	Being a senior, I find holding the copy is much more convenient for me. I recognize that email version saves trees and postage but find it hard to switch at this stage. Thanks for not forcing it on me. Brian L.	11/8/2016 5:34 PM
692	I rarely read the digital version. Since returning to print I have pretty well read all of every issue.	11/8/2016 5:27 PM
693	I actually have not been receiving hard copies of the magazine, which is OK, but makes me wonder how well you default distribution plan is working.	11/8/2016 5:24 PM
694	I have not received the print version...that I know of. If so, then I rest my case. Digital rules!	11/8/2016 4:59 PM
695	I receive digital versions of various magazines and the Engineering Dimensions digital mag was far and away the most difficult and awkward to navigate. I gave up on it until the print version was restored.	11/8/2016 4:50 PM
696	Please keep sending the print version.	11/8/2016 4:47 PM
697	I don't get the print version. All I read is the Gazette. I find it hard to zoom in as only a medium or very large font comes up. But, I make do as I don't need all that paper. Tedd Nathanson	11/8/2016 4:37 PM
698	Because of failing eyesight, only,the digital version is useful.	11/8/2016 3:54 PM
699	Are we getting more advertising now we have hard copies?	11/8/2016 3:31 PM
700	Thanks for the Print Version.	11/8/2016 3:30 PM
701	Do not use the computer enough to read digital magazines.	11/8/2016 3:28 PM
702	I like the print version more but am willing to live with digital for environmental reasons. I also like the ability to copy a part of an article from the digital version even though this happens very rarely.	11/8/2016 3:20 PM
703	Another plus - Digital version is searchable electronically.	11/8/2016 3:19 PM
704	Picture is worthed thousand words	11/8/2016 3:10 PM
705	lets save money and deliver only digital versions	11/8/2016 2:21 PM
706	Honestly, it would be more likely that I read it / some articles if I have it in my inbox, simply because I feel guilty just throwing it out without reading anything; but I feel it is not an environmentally friendly option for hard prints to go out to all members - hard copies should only go to those who request them.	11/8/2016 2:15 PM
707	Wi_fi connection is not always available when I am not Home.	11/8/2016 1:32 PM
708	give both	11/8/2016 1:20 PM
709	I like to quickly scan a print magazine for interesting articles I may oterwise miss in a digital format. I don't usually make it to the end of lengthy articles, though, so a compromise might be to have slightly shorter print articles with photos, etc. making them easy to read, with links to additional info.	11/8/2016 1:07 PM
710	I have been retired over 20 years so my comments to not count for much.	11/8/2016 12:28 PM
711	The print edition is a waste of resources and a waste of money to mail out..	11/8/2016 12:26 PM
712	I believe that casual readers will read more of printed versions because of the eye-catching nature of a hard copy where you can flick through faster than scrolling. A lot of people won't bother going on line unless they have a need.	11/8/2016 12:24 PM
713	Although digital version is environmentally free, it does not serve the purpose if the end user doesn't read it, because it is not convenient or easily accessible at any place to read. Thanks	11/8/2016 12:19 PM
714	Thank you very much and I really appreciate about your helps. Have a great day my dear friends	11/8/2016 12:16 PM
715	Engineering Dimensions is the most boring engineering publication that I have ever come across	11/8/2016 12:12 PM
716	To be honest, Engineering Dimensions isn't worth all the fuss.	11/8/2016 11:56 AM
717	I scan/read the printed version after dinner in my comfy chair beside the fireplace. Emails do not reach me In this part of my world. I would have to read the digital version during my workday which just isn't going to happen due to ever increasing bombardment of demands communicated digitally.	11/8/2016 11:52 AM
718	An excellent publication.	11/8/2016 11:48 AM
719	Problem with digital version is that it's much easier to ignore given that everyone is pressed for time these days. P.S. surveys show computers don't save trees.	11/8/2016 11:47 AM
720	To be honest, having retired I have very little interest in the magazine now.	11/8/2016 11:42 AM
721	Thank you for reaching out on this issue.	11/8/2016 11:36 AM

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722	I hope you keep the print version	11/8/2016 11:29 AM
723	I like the magazine better...but I would support the change to digital if that occurs.	11/8/2016 11:14 AM
724	Print version only please.	11/8/2016 11:12 AM
725	I appreciate the efforts in delivering such a useful and informative journal . Thank you	11/8/2016 11:01 AM
726	I never did receive the digital version	11/8/2016 10:49 AM
727	Keep up the good work. Thank you.	11/8/2016 10:42 AM
728	I just tried the Engineering Dimensions microsite. It's a much better layout than the digital magazine.	11/8/2016 10:41 AM
729	none	11/8/2016 10:34 AM
730	I get so much digital information that if you switch to digital only then this will just get lost in the pile and I will likely never read another issue.	11/8/2016 10:29 AM
731	I've always had the print version and I want to continue to receive the print version. Thanks	11/8/2016 10:26 AM
732	Thank You	11/8/2016 10:18 AM
733	I am an avid Internet user but I do not like pubs on the net. It's not a matter of being non-technical, it's a matter of when and where I like to do casual reading. I don't carry a laptop with me.	11/8/2016 10:12 AM
734	I receive a lot of email, and more often than not, the digital version is forgotten and never gets opened.	11/8/2016 10:00 AM
735	Please never send me print again - it's so wasteful!	11/8/2016 9:59 AM
736	Get rid of the Printed Magazine. It's a waste of money and is not environmentally friendly.	11/8/2016 9:53 AM
737	I will go to the digital site. Thanks	11/8/2016 9:49 AM
738	the fact I spend all my day working using a computer, the last thing I want to do is to go back home and read something online. I love the printed version.	11/8/2016 9:31 AM
739	Love the blue pages! Keep up the good work!	11/8/2016 9:27 AM
740	Discontinue the E.D. printing as soon as possible!	11/8/2016 9:26 AM
741	PEO should take any opportunity to reduce the amount of waste generated. This is very important to me.	11/8/2016 9:24 AM
742	really appreciate print copy but not aware of associated cost.	11/8/2016 9:19 AM
743	I have supposed to be receiving Engineering Dimensions digital version but do not remember receiving it. I will not go looking for it of going to a specific website.	11/8/2016 9:19 AM
744	Receiving the print version reminds me to read it. The digital version gets lost in my inbox and never read.	11/8/2016 9:14 AM
745	If in the email, you include links to the artcles, that is more likely to get me to read the magazine. Also, has to be visually appealing. FWIW, I'm not a practising engineer.	11/8/2016 9:14 AM
746	While I am very adept at running my smartphone, tablet and desktop computers, I already spend more time than I prefer looking at screens, especially small ones. I really hate having to continually pan and/or zoom to read an article. Just as I prefer to spread out a newspaper and scan for interesting headlines, I enjoy reading the print version of 'Dimensions', because various things catch my eye, and I read them and learn new things or a different point of view than I would from a digital version. I leave a small stack in my bathroom for casual review of earlier versions, often finding an article I may have missed upon first reading. Although I tried the digital version, if it was the only version, I would not likely read it. Also, I would like to thank your graphic design staff for a classy layout design, which is seldom replicated in today's digital magazines. (My graphic designer wife often asked for my feedback on her work.)	11/8/2016 9:13 AM
747	Never opened the electronic version	11/8/2016 9:12 AM
748	The print version also provides awareness of Engineering to other people who happen to see it lying around the house.	11/8/2016 9:09 AM
749	Navigation and zoom in/out tools for digital issue are not the best functionality	11/8/2016 9:06 AM
750	In todays environment digital should be the only way to go. There should be very few engineers etc. who are not computer literate.	11/8/2016 9:03 AM
751	I like either but it's nice to have the magazine in hand.	11/8/2016 8:46 AM

Engineering Dimensions Mini Survey

752	The reason I have not liked the digital version in the past is the complicated web browser setup. I don't want to have to re-size the window and click a bunch of thing to make it work. I don't care if the page is animated to look like it is turning. I would be completely happy to receive the digital version over print if it was simply a PDF document that I could read online or download. PDF readers and tools are readily available so you would not have to spend time developing and maintaining that portion of the website. P.S. New text-based microsite looks nice, I like the simplicity.	11/8/2016 8:44 AM
753	It's too large. It's overwhelming to tackle so I avoid it.	11/8/2016 8:41 AM
754	Have the option to receive a pdf as an attachment to an email.	11/8/2016 8:34 AM
755	More focus on new engineering disciplines like Full-Stack Engineering or DevOps engineering, or Bio-Engineering. THE WORLD IS CHANGING GUYS..!!	11/8/2016 8:32 AM
756	Don't ever give up the printed version.	11/8/2016 8:31 AM
757	The new text-base version has improved search capabilities.	11/8/2016 8:04 AM
758	I feel engineering dimensions could be a great publication if it included relevance articles , i feel is a lot of pictures of men in suits....	11/8/2016 8:00 AM
759	There should be more 'tutorial' (educational) type of articles.	11/8/2016 7:52 AM
760	I spend enough time on my computer, so I don't need more reasons to be on it	11/8/2016 7:51 AM
761	Please send me the print copy.	11/8/2016 7:29 AM
762	Delivery of the magazine is sporadic.	11/8/2016 7:22 AM
763	Today's engineering jobs (most of them) are computer based. I would appreciate to take a break from the computer and do an old fashion reading.	11/8/2016 7:19 AM
764	The digital version is great to share the publication with non-P.Engs. to convince them to join. Note: Military do not require a license to practice engineering.	11/8/2016 7:13 AM
765	Keep up the good work!	11/8/2016 7:01 AM
766	i do not find it contains valuable information for my daily work - would be better suited to have more technical discussions, or ways of improving	11/8/2016 6:47 AM
767	After reading I place a copy of print version in my office for others to read or consult. Sometimes it is not possible for ordinary people to review digital copy.	11/8/2016 6:23 AM
768	Thank you	11/8/2016 6:21 AM
769	Hated the digital version.	11/8/2016 6:05 AM
770	Please add an option to opt-out from receiving the magazine altogether.	11/8/2016 6:04 AM
771	I have opted out of the print version by informing assn	11/8/2016 5:57 AM
772	I don't read this magazine as 90% of the content is not relevant to me.	11/8/2016 5:49 AM
773	none	11/8/2016 5:10 AM
774	Digital Version too difficult to read	11/8/2016 5:02 AM
775	I only registered with PEO in the last month so I have not received one yet. However I have a strong preference for a digital copy.	11/8/2016 4:48 AM
776	I wouldn't mind switching to digital Q 7 has no answer that suits people who have not tried the digital version, so i ticked all!!	11/8/2016 4:29 AM
777	Digital version - I move a lot from country to country and have dragged around the Dimensions with me (costly). To have the pdf version is much more convenient.	11/8/2016 3:29 AM
778	Too hard and takes longer to read online. Never had the digital version so question 4 should have had a not applicable option.	11/8/2016 2:31 AM
779	I do not have a wish to receive neither a print or digital version. I am fine with accessing an online version when I feel like doing so.	11/8/2016 1:20 AM
780	Excellent that you are making this choice available but don't keep chewing on it forever.	11/8/2016 1:15 AM
781	I don't like reading computer screens	11/8/2016 1:11 AM
782	Due to address changes, I have not been receiving the printed version for a long time. This is just to reinforce my preference for the digital that can find me everywhere I go. :)	11/8/2016 12:51 AM

Engineering Dimensions Mini Survey

783	ED needs substantial and constructive changes to get the readers engaged.	11/8/2016 12:47 AM
784	I'm mixed about this. If I have a hard copy I will always read it. Digital version is usually forgotten if I'm busy. I like the digital version since it is less expensive and more environmentally freindly.	11/8/2016 12:46 AM
785	Indexed PDF would be much easier to read than your online digital document.	11/8/2016 12:42 AM
786	Print copies has personal Touch and will never accedintely Delete by any antiverius software Thanks	11/8/2016 12:42 AM
787	None	11/8/2016 12:39 AM
788	I live in Qatar and the print versions are delivered consistently 3 - 6 months late. I read the election candidate biographies months after voting was completed and the election results announced. I have sent a letter to the PEO magazine editor about this and never received a reply. I understand that PEO is trying to save costs by mailing through a 3rd party.... Same problem with my Univ. of Waterloo Alumni Magazine...and same 3rd party mailer (based on envelope and postmark). If you are going to mail, then use Canada Post and not 3rd party.	11/8/2016 12:35 AM
789	love print.	11/8/2016 12:26 AM
790	I enjoy reading it and readily share it with my staff.	11/8/2016 12:19 AM
791	I enjoy reading it, it has improved a lot over the past few years.	11/8/2016 12:14 AM
792	Able to peruse the articles and print what I want.	11/8/2016 12:12 AM
793	Please maintain the option of a print version for those who prefer it.	11/8/2016 12:06 AM
794	thaks	11/8/2016 12:00 AM
795	Good information	11/7/2016 11:55 PM
796	Most people will go for digital if there is a bit of incentive, like lowering PEO fee. just a suggestion.	11/7/2016 11:44 PM
797	Why does the magazine need to be released on a certain day? Article should be release on line as the are ready. This way we would get a stack of article at the same time but more a flow of article spread over the month. Kinda of a blog!	11/7/2016 11:35 PM
798	Lets save some energy and paper. Move to digital copies only!	11/7/2016 11:31 PM
799	Make it interesting	11/7/2016 11:22 PM
800	change it now.	11/7/2016 11:21 PM
801	stop sending to me	11/7/2016 11:16 PM
802	Hi I prefer the print version because I can scan it and read a bit at a time over breakfast or a coffee. Thanks,	11/7/2016 11:15 PM
803	I find that reading digital documents while convenient ... is too much like work and not as enjoyable or as satisfactory to do.	11/7/2016 11:11 PM
804	I have rarely ever read the magazine. I may at some point find it useful, but not right now. It has brought a couple issues to light to me that I was unaware of; however, I think it is mostly a useless magazine that probably has very little readership. I would suggest making it solely focussed on legislative/regulatory changes or news. This is all I have really found useful in the magazine. I would also suggest making it a less regular magazine, due to what I assume is low readership. If it is to remain at its current issuance, then I would make it solely online to reduce waste/money. It also offers engineers the chance to go find it if they ever need/want to read it. Thanks	11/7/2016 11:10 PM
805	I need on line copy, paper less.	11/7/2016 11:01 PM
806	I am retired. I like the printed version of Engineering Dimensions. You don't need to memorize one page of an article before moving to the next. Screens are too small.	11/7/2016 10:58 PM
807	Technical and standard related discussions	11/7/2016 10:56 PM
808	Digital is the best way to give you maximum advertising value and lower operating cost.	11/7/2016 10:55 PM
809	I support keeping the magazine in digital format. I don't get any magazines in print anymore	11/7/2016 10:53 PM
810	Prefer the digital version	11/7/2016 10:48 PM
811	I would like to continue receiving print version	11/7/2016 10:46 PM
812	na	11/7/2016 10:45 PM
813	digital version are very hard to read on regular phone	11/7/2016 10:44 PM
814	Go back to the digital version	11/7/2016 10:41 PM

Engineering Dimensions Mini Survey

815	I prefer to receive print version.	11/7/2016 10:40 PM
816	Print version is our tradition. Can pass to everyone. Easier for reading for retirees.	11/7/2016 10:36 PM
817	Please take me off your mailing list altogether.	11/7/2016 10:35 PM
818	Some prefer print, others digital. In my case if you moved to digital I would stop reading Engineering Dimensions simply because I don't enjoy reading via electronic media.	11/7/2016 10:34 PM
819	I can't really comment in the digital version since I have not looked at it.	11/7/2016 10:27 PM
820	Enjoy it, even though not practicing.	11/7/2016 10:23 PM
821	Please continue sending the print version. Thanks	11/7/2016 10:21 PM
822	digital is easier to read as pdfs are infinitely enlargable, doesn't take up space and are easy to find on my hard drive.	11/7/2016 10:15 PM
823	I want digital version	11/7/2016 10:14 PM
824	Keep printing the hard copy please.	11/7/2016 10:13 PM
825	Easier to delete if sent digitally	11/7/2016 10:07 PM
826	I prefer paper version of the Engineering Dimension. But I also like to have access to the digital version of it too. With it I can look for past edition easier and it has complete archive of the magazine	11/7/2016 10:00 PM
827	Adding some about engineering solving, leadership development, professional development, job searching. The current issues have too much about policies and regulations.	11/7/2016 9:51 PM
828	The worst thing about the digital issue is that it is poorly designed for digital reading. It is, in fact, basically just a pdf of the print magazine. It's hard to read, since I have to keep scrolling all over the place to read every page. If it actually was formatted as a web document it might be very useful and very readable. As it is, it frankly is terrible.	11/7/2016 9:49 PM
829	The version that i was aware of was extremely difficult to read on line. The one in point 8 which I just tried seems ok and if this is the way it is now published I would be happy to get it on line!!	11/7/2016 9:46 PM
830	I don't want to read on laptop, and digital device is too small to read magazines. I will probably need to update at some time in the near future. for now I wont read the digital version.	11/7/2016 9:42 PM
831	I Love the Print version. Its always available even why my devices are not and putting it with my nightly reading materials I can give it the time it needs to be read.	11/7/2016 9:41 PM
832	Minimizing the time spent indoors in front of a computer screen with far too much to read there seems important to me. On good weather days, taking my reading material outdoors seems less burdensome.	11/7/2016 9:39 PM
833	Let's get with the times, environmental issues, financial benefits and living in today's world make digital the only answer.	11/7/2016 9:38 PM
834	I simply prefer to read magazines in print form rather than digital.	11/7/2016 9:34 PM
835	I prefer the digital copy. It is best to make the soft copies available as a downloadable PDF for all PEO members, so they can be taken and read on airplanes, vacations, etc. (without internet connections) I suggest you host all archived copies on a drop box site and let PEO members add the folder to their drop box (saves on having to download each file until actually used)	11/7/2016 9:32 PM
836	This magazine needs drastic changes to attract more readers.	11/7/2016 9:32 PM
837	My print edition has been shared and enjoyed by members of my fitness and sports groups. I take it there to enjoy and encourage discussion with other seniors!	11/7/2016 9:28 PM
838	No comment	11/7/2016 9:26 PM
839	Digital edition is very good. I can read when I want in the train, bus or aircraft.	11/7/2016 9:26 PM
840	I don't want to stuff my email with a magazine I would rather not receive at all.	11/7/2016 9:22 PM
841	Digital version would be better if the articles were more friendly to read. Too much text in digital version makes harder to read.	11/7/2016 9:22 PM
842	keep issuing print	11/7/2016 9:21 PM
843	It provides useful information about the currents issues related to engineering and engineers.	11/7/2016 9:16 PM
844	Digital version was not mobile friendly. Most people do not carry a laptop or iPad everywhere they go which was required to read the digital version.	11/7/2016 9:15 PM

Engineering Dimensions Mini Survey

845	The format of your digital edition seems way to complicated and surprisingly mobile unfriendly. It takes the physical format and tries to duplicate it exactly, and this misses the point of doing something digitally. For example, why the two page layout? It forces me to zoom in, scroll down, scroll right, scroll up, then scroll down to read both pages.	11/7/2016 9:14 PM
846	I especially like access to the archives!	11/7/2016 9:14 PM
847	The digital version should be navigable like thestar replica version.	11/7/2016 9:09 PM
848	Question #4 seems ill phrased: I never did get the digital version.	11/7/2016 9:07 PM
849	Keep the printed version	11/7/2016 9:06 PM
850	As a retiree, this source of information is the principle reasons that I continue my membership.	11/7/2016 9:05 PM
851	For environmental reasons, please make digital the default for everyone!	11/7/2016 9:03 PM
852	Is there a colossal number of unemployed recent undergrads or is it just me & a few? How can employers create more entry-level opportunities to utilize today's talent. I'm bored.. a good structural job is my only desideratum at this	11/7/2016 9:03 PM
853	I did not receive the magazine prior to the switch back to print.	11/7/2016 9:02 PM
854	I'd like to see more articles focused outside of the civil and environmental disciplines. Those two seem to dominate in my impression..	11/7/2016 8:56 PM
855	We are all inundated with so many things so I must confess that reading this magazine is not near the top of my to-do list. That is why I always felt bad while recycling unread hard copies. Yeh for electronic copies!!	11/7/2016 8:56 PM
856	Digital please!!!	11/7/2016 8:48 PM
857	Thanks for asking. This would be a good environmental initiative coming from PEO.	11/7/2016 8:47 PM
858	Digital version was horrible. Cannot read it on a computer....reader software is garbage. No one wants to zoom in on every paragraph. Waste of time so I stopped reading it	11/7/2016 8:46 PM
859	Save the trees and money, it's 2016, digital makes more sense	11/7/2016 8:41 PM
860	Something new is always provided in Eng. Dimensions e.g. Competence Assurance as outlined in the Nov/Dec issue. I don't have any suggestions for improvements but appreciate the publication nevertheless. Thanks for your continued efforts :-)	11/7/2016 8:38 PM
861	Have always preferred print edition. Easy to carry, can mark up, and make notes on it. Digital archives useful for searching past info.	11/7/2016 8:30 PM
862	I have yet to receive a copy of engineering dimensions in print. I would like to receive them though.	11/7/2016 8:23 PM
863	My internet service is slow, clunky, and EXPENSIVE despite the government pronouncements to the different so I like it that you print the magazine and I just have to read it.	11/7/2016 8:21 PM
864	I did not read Engineering Dimensions at all when it only came as a digital version. Perhaps in a few more years, I will have a good reader for the digital version.	11/7/2016 8:20 PM
865	Please keep the print version.	11/7/2016 8:19 PM
866	Another reason I prefer the print version is that after reading it, I circulate it to non-PEO members at work.	11/7/2016 8:18 PM
867	Digital version is also presumably less costly overall?? If so, it's a clear winner for me.	11/7/2016 8:16 PM
868	Thanks for the print version of Engineering Dimensions	11/7/2016 8:15 PM
869	It is easier to place the Print edition down and get back back to it later. I often did not get back to the digital edition afterwards when putting it aside.	11/7/2016 8:15 PM
870	none	11/7/2016 8:13 PM
871	digital will work better for me	11/7/2016 8:13 PM
872	It may help to broaden our members' vision if the Engineering Dimension can cover periodically (say once every quarter) a significant international project (in the US, Europe or Asia).	11/7/2016 8:12 PM
873	Thanks for this opportunity to share my views	11/7/2016 8:07 PM
874	I prefer the printed version of all magazines and newspapers but do read digital versions when traveling but I do not have the same enjoyment. Thank you.	11/7/2016 8:06 PM
875	Convenient to look back on articles of interest. You do not depend on computers	11/7/2016 8:04 PM
876	Do not need print version	11/7/2016 8:00 PM

Engineering Dimensions Mini Survey

877	Very often a good read. Thank you, James	11/7/2016 8:00 PM
878	Access to the digital version might be of help in event that I wish to 'dialogue' regarding some particular issue - such as the collapse of competence & integrity in graduates (Mech-Engs especially) who end up working as math-techs. Whether or not this is a licensing issue, it is of grave interest to post-industrial big-biz Ontario - post-industrial due to the loss of focus in Big-Biz Ontario. I do wish to connect with Mr Comrie on this issue - and to try to connect his own concern with the responsibilities of various MPs and MPPs Thanks again; Bill Schneider (519) 740 1513 (o&h - call days/ anytime)	11/7/2016 8:00 PM
879	I did not read the digital version	11/7/2016 7:58 PM
880	I don't like being stuck to a computer screen all day. I also still buy the occasional Globe & Mail and have the Victoria Times Colonist delivered	11/7/2016 7:55 PM
881	Problem with the digital version was that it was difficult to use. Page transitions were slow. Also, I pass my issue on to our grandson who is an engineering student at Queen's.	11/7/2016 7:51 PM
882	The magazine is the only real benefit I get from being a member of the PEO (I don't live in Toronto). Going digital takes that away.	11/7/2016 7:46 PM
883	I get so many emails the digital copy can easily be deleted accidentally.	11/7/2016 7:46 PM
884	Would prefer a wider variety of article authors.	11/7/2016 7:44 PM
885	Reducing the impact on the environment seems like reason enough to stop printing as much as possible.	11/7/2016 7:42 PM
886	Go digital, save the trees. Our existence depends on their existence.	11/7/2016 7:36 PM
887	With the digital version, I don't have an accumulation of paper that I eventually need to dispose of, particularly if I move/change addresses.	11/7/2016 7:34 PM
888	I did not receive engineering dimension print copy since last 4-5 months	11/7/2016 7:34 PM
889	You can switch me to the digital version for 2017.	11/7/2016 7:31 PM
890	Please convert my subscription to digital.	11/7/2016 7:26 PM
891	I very much appreciate receiving the print version.	11/7/2016 7:26 PM
892	Too insular in content and should have more articles on inter-provinces matters as well as on comparative articles among States and Provinces in North America.	11/7/2016 7:26 PM
893	Thank you for all your hard work putting this together for the Engineering community. It is appreciated.	11/7/2016 7:25 PM
894	In a field that is exciting and changing all the time, the magazine is not very interesting. PLEASE print articles about new material and developments rather than new disciplinary action. Have a look at the PEO equivalent magazine in Quebec or the ASME magazine.	11/7/2016 7:23 PM
895	#4 did not read digital version	11/7/2016 7:20 PM
896	I spend about 80% of my work day staring at a computer, so the last thing I want to do at home is stare at a computer some more.	11/7/2016 7:14 PM
897	Thank you for sending it again in print! I didn't read hardly any of the digital version as when on the computer - emails, work, etc. always competes. With the magazine - I can concentrate and review properly.	11/7/2016 7:13 PM
898	No Other Comment	11/7/2016 7:11 PM
899	Go electronic and make	11/7/2016 7:08 PM
900	It is a valuable publication	11/7/2016 7:07 PM
901	I like to hold a book/document when I read it. I'm old fashioned!	11/7/2016 7:03 PM
902	Please include scientific developments ongoing around the globe and some research papers.	11/7/2016 7:02 PM
903	keep sending the print version please. thank you	11/7/2016 7:01 PM
904	Im in my 30's and prefer the print version. I tend not to read personal items at work, the only place I use a desktop/ laptop, and use a smart phone at home only briefly for banking and social media. Smartphones are poor for reading articles. I feel most people access the web during their free time mainly tablets and phones. I appreciate the print version, I opted in for it a few years back, and would be very unlikely to access an electronic version.	11/7/2016 6:59 PM
905	Digital only please.	11/7/2016 6:58 PM
906	Don't get rid of the free print option.	11/7/2016 6:58 PM

Engineering Dimensions Mini Survey

907	I much prefer the print version of Engineering Diemensions	11/7/2016 6:56 PM
908	The previous digital version was difficult to load and read on a computer, and almost impossible on a tablet or phone. If you can use a mobile-friendly platform then I would prefer digital, otherwise paper.	11/7/2016 6:52 PM
909	Digital version are more friendly answers@amazon.com easy to access.	11/7/2016 6:51 PM
910	more technical content needed	11/7/2016 6:51 PM
911	Continue to print and deliver Engineering Dimiensions	11/7/2016 6:50 PM
912	I find reading from a hard copy much easier and more convenient	11/7/2016 6:50 PM
913	When giving surveys, please have an "other" field.	11/7/2016 6:49 PM
914	Go digital. Save \$\$ and the environment. Arrange digital edition so that individual articles can be printed (not page by page).	11/7/2016 6:49 PM
915	Print gets read. Digital gets deleted.	11/7/2016 6:47 PM
916	I read the print version to get an overall picture of what is going on and the website when I need specific information	11/7/2016 6:47 PM
917	thanks	11/7/2016 6:47 PM
918	I read the Engineering Dimensions while commuting and so a print copy is much easier to read.	11/7/2016 6:46 PM
919	It's hard to make a publication about general regulatory common interest for a field of myriad specialists. I don't envy your team, but I am not going to read your magazine. I'll stick to StructureMag and Twitter.	11/7/2016 6:46 PM
920	please stop sending me print version. i opted for digital version before you made an uninitiated switch back to print. thank you.	11/7/2016 6:43 PM
921	I look at a screen enough during my day at work. The last thing I want to do is stare at a screen in my free time to read news. I enjoy reading the magazines when I travel or when I need some bedtime reading. Too much screen time is correlated to so many health problems. If its in screen form, there is 0 likelihood that I'll read it.	11/7/2016 6:37 PM
922	I think the digital version should be your default with new members and the switch to print should be by request and there should be a different PEO fee to reflect the significant cost of printing and mailing a 6/year journal.	11/7/2016 6:36 PM
923	I like and prefer the print version	11/7/2016 6:34 PM
924	I can find my topic of interest in a digital version more easily.	11/7/2016 6:33 PM
925	Keep the print version as an option	11/7/2016 6:32 PM
926	I like the digital version ...but in today's screen overload world, it is nice to relax and pick up the hard-copy I say this even as a software engineer with access to all kinds of soft tools So my preference is to stay with the hard-copy	11/7/2016 6:27 PM
927	I suggest PEO survey its members to establish how many are engineering and how many have financial responsibility for their work.	11/7/2016 6:26 PM
928	Print version is good. There are plenty of digital magazines in the internet	11/7/2016 6:23 PM
929	the magazine is about the only benefit I get out my yearly fees - and there is not much to it - suggest to change the focus to engineering stories, and improve it	11/7/2016 6:21 PM
930	I don't like that the switch from digital to print was made by default. I had already opted in to digital and wanted it to stay that way. With two engineers in our household we now receive two paper copies and both get thrown out. This is a big waste of our dues, not to mention environmentally unfriendly.	11/7/2016 6:20 PM
931	Glad you switched to print.	11/7/2016 6:18 PM
932	I like both types, but find that I do not have the time or patience to read the digital version. The print version, I will set aside on my coffee table, then I will read it when I have time, usually on a weekend.	11/7/2016 6:18 PM
933	Please go digital for the environmental purpose.	11/7/2016 6:16 PM
934	It is good that is survey is done. Reducing the number of hard copies will save shipping and handling costs, and will also reduce waste.	11/7/2016 6:16 PM
935	My husband is retired, not able to read or understand the material. I thought we could save you sending it to us but understand we can't opt out.	11/7/2016 6:15 PM
936	No comments.	11/7/2016 6:14 PM
937	Since I use only a Desk Top computer, mobility is not available and I do have problems reading texts on the screen as well, I ask for printed version for all my magazines, otherwise I'll cancel them.	11/7/2016 6:12 PM

Engineering Dimensions Mini Survey

938	One other thing I like about the print version is that it gets me away from a computer. I spend virtually my entire day looking at the ??@##% thing!	11/7/2016 6:11 PM
939	Please stop the print delivery unless someone opts-in.	11/7/2016 6:08 PM
940	The digital version of ED was not done right; there are other on-line magazines, which are pleasure to read. Unfortunately, the ED was not one of them. Regards, mp	11/7/2016 6:06 PM
941	I enjoy the web, but I don't have a smart phone or text, nor have I participated in social networks...a bit of a dinosaur	11/7/2016 6:04 PM
942	Prefer print copy.	11/7/2016 6:03 PM
943	I think the magazine needs to change to be easier to read. There's so much information out there so having these large, small print articles doesn't make any sense. I would much prefer short, to the point articles. The magazine should also touch on new and innovative topics such as analytics, big data, entrepreneurship. I feel that the PEO brand is diminishing and something needs to be done to engage younger engineers and ensure content is tailored to the various demographics.	11/7/2016 6:02 PM
944	Offering a choice is a great idea.	11/7/2016 5:56 PM
945	Some of the questions assume that I have received the print version, but I never have, and there was no choice to state that. The digital version does not need to look like a magazine. People read Web sites all the time. It just needs to be able to adapt to multiple formats, like desktop, mobile, tablet.	11/7/2016 5:55 PM
946	I am much more likely to read the print version as compared to digital version.	11/7/2016 5:54 PM
947	I had the digital version before, but if I did not read it right away, the e-mail notice would stay in my inbox and most likely would not be seen again.	11/7/2016 5:53 PM
948	As time has passed and I have become more used to electronic versions of magazines, I will switch my subscription to digital.	11/7/2016 5:52 PM
949	As a retired P.E., I have more time to read the print version at my own pace.	11/7/2016 5:50 PM
950	Continue With the good work	11/7/2016 5:48 PM
951	You send far too many emails. I only answered this one in hopes you will actually listen to these responses. Post your news items on a web site, like the rest of the world does. Do not try to shove it down people's throats, either in paper or electronic form. Offer ways for people to subscribe IF THEY CHOSE TO DO SO. Sending endless floods of emails just causes us to delete them without looking at them.	11/7/2016 5:48 PM
952	Keep up your great job :-)	11/7/2016 5:46 PM
953	NA	11/7/2016 5:45 PM
954	Print, will always be my first choice and preference.	11/7/2016 5:43 PM
955	Reading is easier in print, and easier to get a quick overview of what is going on. When I only had digital, I would never be satisfied that I had done it justice.	11/7/2016 5:43 PM
956	I'm Old School and prefer print version.	11/7/2016 5:42 PM
957	It is good that you are looking for members feedback! I know there are costs associated with each version. Would have been good to have this info. when making our selection. (still to come?)	11/7/2016 5:42 PM
958	Too much political stuff and not enough engineering success stories or bios on prominent engineers.	11/7/2016 5:40 PM
959	Just received Nov/Dec 2016 issue. On a quick flip through I see a number of interesting pages and articles. Doing that on the computer digital version does NOT hold the same appeal. I do use the computer a lot; however, I much prefer to touch something as I read it, e.g. Newspaper, magazines, novels, etc. . Thank you for the medium to solicit and leave these comments.	11/7/2016 5:39 PM
960	Honestly, on the rare occasion that I do read it, I always find at least one or two items in it interesting. Problem is though, with today's busy world...mostly work but also kids...I rarely have time to look at it. We actually receive two copies as my wife if also an engineer. She is more of a reader than I and I think she actually spends a bit more time with it than I do. Simply not enough hours in the day.	11/7/2016 5:38 PM
961	I don't often read the print version right away, but do eventually when I have time or on vacation. I don't throw out any issue until I get around to reading them, and keeping them in my To-do bin reminds me which ones I haven't read as yet. I find it more difficult to manage the on-line version although I do acknowledge that it is more environmentally friendly.	11/7/2016 5:38 PM
962	Basically, the less paper in my life, the better. And it's searchable electronically.	11/7/2016 5:37 PM
963	Very nicely done.	11/7/2016 5:36 PM

Engineering Dimensions Mini Survey

964	MY VISON IS POOR AND I CAN MAGNIFY THE PRINTED VERSION	11/7/2016 5:34 PM
965	Now retired so much less interested.	11/7/2016 5:32 PM
966	Ease of magnifying text on computer useful for poor eyesight	11/7/2016 5:30 PM
967	I like both print and digital version. Print version make feel comfortable unconsciously, but I have to consciously learn to like to like it.	11/7/2016 5:29 PM
968	Hope the print version is kept as I'll probably won't read it if I have to access it digitally.	11/7/2016 5:27 PM
969	I think one print version per year would let me look up all the adverts and contact phone #s. News and editorials would be best sent electronically.	11/7/2016 5:27 PM
970	The magazine needs great improvement. It's all management and legal issues. I would like more practical articles on construction, changes in codes etc. I really liked the Institute of Structural Engineers magazine in England. Maybe the Canadian magazine could be more like that. Thank you	11/7/2016 5:25 PM
971	There are advantages to both versions of Engineering Dimensions and the ideal would be to receive both versions.	11/7/2016 5:24 PM
972	I spend far too much time on the computer as it is... emails, web, etc. I'm actively seeking ways to reduce my screen time. I can read the print version at the gym, plane, etc.	11/7/2016 5:21 PM
973	I used to received the digital version, I must of missed the email to request it to remain digital. Not quite sure why when I was receiving the digital version I had to request to continue receiving it.	11/7/2016 5:20 PM
974	none	11/7/2016 5:18 PM
975	I love the print copies of journals and books msy be because I am of the old generation. However, for the sake of our environment, future generations and to create less landfill I trained myself to accept the digital copies of my favorite publications.	11/7/2016 5:17 PM
976	Easier to review past articles on print version Marking up an article	11/7/2016 5:16 PM
977	never had digital version yet, but would certainly prefer getting digital version, going forward, via email (at645@ncf.ca) -- thank you!	11/7/2016 5:16 PM
978	Keep up the good job that you are doing!	11/7/2016 5:14 PM
979	I enjoy reading the Magazine and I look forward to receiving it every month.	11/7/2016 5:13 PM
980	The main reason I like the digital version is that it is cheaper. My guess is very few people read it, so let's make it as cheap as possible.	11/7/2016 5:11 PM
981	Yes... digital is fine. Saves paper and postage.	11/7/2016 5:10 PM
982	I am quite comfortable with electronic documents now, even in my eightieth year of life and in my fifty-first year as a professional engineer. I rarely buy printed books now, preferring the electronic copies so that even my cell-phone holds an impressive library and my laptop and desktop computers even more so. I will shortly buy a tablet for convenience in reading books, etc. But books, even technical ones, are rather linear in presentation. You may skip ahead but if you wish, but you must understand that you may be skipping over essential elements of the arguments that support the book's thesis. Non-linear documents like newspapers and magazines are quite different in nature from books. I have subscribed to the Globe and Mail for a year or so now after buying print copies for decades. My limited experience with the Engineering Dimensions website reflects closely my rather greater experience with the Globe and Mail. The design concept for the Engineering Dimensions website parallels that of the Globe and Mail one - both are, in short, excellent to pick out and read the top stories. Neither encourages the kind of browsing that one so does when holding and reading the printed document. When I buy a copy of the Globe and Mail, for example in the afternoon after having read it in the morning on the computer, I am surprised that I find so much that I had missed. Similarly, when Engineering Dimensions showed up as a print document again, I was surprised that I found so much in it than I had in the electronic versions. Why is this so? I don't really know but I suspect that I read the portion of electronic documents that I want or feel that I need to read while the printed version makes me aware of matters that I had not thought of or had not thought important before I read about them. Hope this helps. Keep up the good work.	11/7/2016 5:09 PM
983	thank you	11/7/2016 5:08 PM
984	I would prefer print edition for now. Later I may switch to digital	11/7/2016 5:08 PM
985	Retired. No longer practicing. A member mostly for the group life insurance.	11/7/2016 5:07 PM
986	Read cover to cover and enjoy very much!	11/7/2016 5:05 PM
987	I didn't know a digital version was currently available	11/7/2016 5:05 PM
988	I'm old school, I like the print version mostly because of its portability.	11/7/2016 5:05 PM

Engineering Dimensions Mini Survey

989	Every reading of digital versions puts extra strain on eyes.My eyes love to see print version. Thank you.	11/7/2016 5:05 PM
990	I can share the print version in meeting with many colleagues, and other people. I don't need to know their emails. I can confirm that they saw an article I gave them by hand right there and then.	11/7/2016 5:03 PM
991	deafault should always be digital. The print version should be by request. This is both to save the environment and PEO expenses as any good engineering sense would recommend.	11/7/2016 4:56 PM
992	Online is fine, let's get into the 21st century ;-).	11/7/2016 4:55 PM
993	I prefer the text based microsite. The digital version is akward to read.on a computer. Its default view size is so small and is not readable. The next zoom level is so big that it expand to less than one column of a page. I prefer the digital version to be a page by page pdf version.so that I can navigate through the page and adjust the zoom size as I wish.	11/7/2016 4:55 PM
994	I am suggesting to add a corner for forthcoming jobs for certain famous employers to let the unemployed engineers have a chance of work and avoid the recommendations.	11/7/2016 4:55 PM
995	If it's not print I don't read it. There is too much digital information out there and if it's something that I don't greatly care about I am highly unlikely to view it unless it is physically in front of me.	11/7/2016 4:54 PM
996	From an economic and environmental point of view I don't feel I warrant the print version.	11/7/2016 4:52 PM
997	Didn't know about the microsite.	11/7/2016 4:51 PM
998	Do away with all digital communication!!!	11/7/2016 4:51 PM
999	Maintain focus on new developments	11/7/2016 4:49 PM
1000	Please continue the print version. Thanks for the opportunity to comment.	11/7/2016 4:48 PM
1001	The print copied could be carried around to read on the bus, while waiting, etc. Bringing a laptop or a tablet is not always possible especially in the winter (-30C).	11/7/2016 4:45 PM
1002	- Digital version made it easy to transfer info to people who one knows would be interested. - Not enough articles on technical/political issues like climate and nuclear. I assume that is now the responsibility of OSPE. - PEO uses print and OSPE uses digital. Explain.	11/7/2016 4:42 PM
1003	Had the digital version for a few years and found that with so many e-mail messages a day it was rarely looked at. Sitting down leafing through the print edition is more relaxing and less like work. It is also more likely to happen. Yes, please keep the print edition. William Palmer	11/7/2016 4:41 PM
1004	Previously I have found the electronic version of Engineering Dimensions to be somewhat user-unfriendly - specifically, difficult to navigate especially if I wanted to enlarge the text slightly for easier reading. It would be helpful if there could be a table of contents and then the ability to pull up individual articles in a friendly format for viewing (e.g. PDF)	11/7/2016 4:38 PM
1005	I can read the print version at leisure even in bed. i can refer back to it later. there is so much clutter in the computer to get to the digital version, i just don't have the time; so i delete it or forget it. i never get back to it. should there be a very interesting something i want to keet, i end up printing it hence defeats the purpose i.e. you may go Green but I do not.	11/7/2016 4:38 PM
1006	I can become easily distracted by headlines in the form of notifications. That's not meant as a criticism, but more of a suggestion (to use a mobile app that sends notifications). I consume this and other forms of written web content / news by speed reading / scrolling through it. I don't like to invest a lot of my time, but I will give a quick browse if something interests me (even slightly). When I get notifications on my phone, I somehow feel more connected to the organization who sends them. It just seems more personal when it appears on my phone - like getting a text message from my mother. In addition to the environmental concern and others listed in the survey, I mostly don't like getting print because it creates clutter in my household and office space. Hope this helps!	11/7/2016 4:36 PM
1007	Digital version works if you have the right sized tablet or similar for reading it. I hate zooming and scrolling to read. My opinion may change in future with the acquisition of a tablet or similar , but for now I prefer the printed version.	11/7/2016 4:34 PM
1008	I only need the digital version. Is there an on-line page on the PEO website that I could go to to set this up myself? Please email me at phlurim@gmail.com (P.W. Carter, P.Eng., Licence # 7083017)	11/7/2016 4:33 PM
1009	For the amount I read it as a retired engineer digital is fine for me.	11/7/2016 4:32 PM
1010	Digital format would be less costlier option to produce than print and if this format savings to PEO, I would go for this format.	11/7/2016 4:30 PM
1011	no comments	11/7/2016 4:27 PM
1012	Boot time for hardcopy of Engineering Dimensions is zero. Just pick it up and read it. File interesting articles for future reference.	11/7/2016 4:26 PM

Engineering Dimensions Mini Survey

1013	Well written articles.	11/7/2016 4:23 PM
1014	I read the digital edition (old) and it was awful. I may change my mind in the future if the new digital edition is much better than the old.	11/7/2016 4:23 PM
1015	You can get rid of the print version if it was up to me.	11/7/2016 4:16 PM
1016	No Comment	11/7/2016 4:16 PM
1017	I find that I continue to make greater use of print journals.	11/7/2016 4:15 PM
1018	Print copies are good display at the front of the office for everyone including staff to read	11/7/2016 4:14 PM
1019	I'd read the on-line version if I received notification that a new one was issued.	11/7/2016 4:13 PM
1020	I strongly favour a printed copy.	11/7/2016 4:13 PM
1021	When I read something thoroughly and am trying to understand rather than just to get pure information I dislike the computer screen. I cannot put my finger between the pages.	11/7/2016 4:12 PM
1022	Revise the digital version so it is an easier read on a laptop.	11/7/2016 4:11 PM
1023	At age 91 I am not too involved in current engineering items.	11/7/2016 4:10 PM
1024	n/a	11/7/2016 4:06 PM
1025	Personally, I won't take the time to try to read the digital version -- print or don't bother!	11/7/2016 4:06 PM
1026	Paper edition can be carried about to read at leisure (ei. at table, in bed, while on exercise machines, and format does not change.	11/7/2016 4:05 PM
1027	You may have changed the default to mailing hardcopies of the document in January 2016, but I don't recall actually receiving copies in the mail. Just as well - the digital version is my preference and more than adequately serves my needs. Cancel the hardcopy / digital only for me, please.	11/7/2016 4:02 PM
1028	I also prefer the digital version because it should reduce costs for PEO and thus limit fee increases.	11/7/2016 3:57 PM
1029	Unsure of the decision to change back to the print edition and then asking members about digital delivery. Navigation to the PEO website could be improved for ease of access to Eng. Dimensions and member profile area.	11/7/2016 3:56 PM
1030	It's embarrassing that the default is the print version. It's 2016, and us engineers should set the standard in environmental protection.	11/7/2016 3:55 PM
1031	Digital copy is good enough. Save the environment and admin cost.	11/7/2016 3:52 PM
1032	I find with getting older the printed version is much easier to read. It is also nice that I can take it with me and read anytime without internet access.	11/7/2016 3:50 PM
1033	In the era of digital technology, I want to relax my eyes by reading print version.	11/7/2016 3:50 PM
1034	No comment.	11/7/2016 3:50 PM
1035	For engineers working in the IT industry Engineering Dimensions just isn't relevant at all!	11/7/2016 3:49 PM
1036	Digital never gets read, while print is easy to access and is a reminder every time I see it.	11/7/2016 3:47 PM
1037	I only use the internet for e-mail and the odd search for info. I love reading reading things I can hold!	11/7/2016 3:44 PM
1038	I won't ever bother reading the digital version.	11/7/2016 3:32 PM
1039	Keep up the good work	11/7/2016 3:32 PM
1040	digital version is better because you could read it on your phone	11/7/2016 3:29 PM
1041	I like the print version.	11/7/2016 3:22 PM
1042	Maybe you should have added a "Neither" option to Prefer "Print" or "Digital".	11/7/2016 3:22 PM
1043	Look forward to reading it to keep me informed about PEO activities.	11/7/2016 3:20 PM
1044	I think the digital should be by default and prints as requested	11/7/2016 3:18 PM
1045	Do you have back issues of the print version? I missed the one with story of George Klien.	11/7/2016 3:17 PM
1046	Do both the first year then readers can decide to select digital only if they find they are reading digital more. Print magazines are eventually all going to be phased out. Digital also allows new formats like video clips and links to be added to the content which you can't get in print.	11/7/2016 3:16 PM

Engineering Dimensions Mini Survey

1047	I have never received the digital version. Therefore questions 4 and 7 will not be answered by me.	11/7/2016 3:12 PM
1048	For several reasons I generally prefer digital subscriptions; however, you must stop publishing it in the two-column format of the print edition. This format is completely inappropriate for on-screen reading. Please reformat the magazine properly before publishing on the web.	11/7/2016 3:12 PM
1049	Digital is much preferred in particular mobile ready.	11/7/2016 3:11 PM
1050	Save money and reduce our fees!	11/7/2016 3:10 PM
1051	I am from the " old school " and I like to have my newspaper/magazine in my hands . Not sure if I would open the file if my only choice was digital , certainly no where near as much as the hard copy	11/7/2016 3:10 PM
1052	A few years back I believe you suggested engineers leave their Dimensions lying around at doctors offices, libraries, whatever as a means of making it more apparent to the masses what we actually do. I do that on occasion. Kinda hard to do it though with an online version.	11/7/2016 3:06 PM
1053	Part of the value of the print version is that it's in a different medium than my emails. I am inundated with emails every day for work and personal purposes that when I have something physical sent to me, it garners a lot more of my attention and makes it easier for me to want to read it.	11/7/2016 3:01 PM
1054	retired and vision reduced so the printed version allows for the easy use of various methods of assistance.	11/7/2016 2:59 PM
1055	I would spend less time reading the digital version, which I would skim through once, compared to the print version, which I take time to read at my convenience.	11/7/2016 2:56 PM
1056	Excellent information congratulations	11/7/2016 2:52 PM
1057	Would like to see more articles on Aerospace engineering as well as details of licensing functional & legal areas of operation	11/7/2016 2:52 PM
1058	Print is leisure - digital is work.	11/7/2016 2:50 PM
1059	Personally I would not access the digital version, as on my spare time I would try to take a break from computer (to reduce eye strain).	11/7/2016 2:50 PM
1060	Kindly provide a bigger section for job opportunities.	11/7/2016 2:49 PM
1061	The first release of the digital version was a clumsy, time wasting, annoying disaster. So much so I don't even want to consider using it again. I want the print version right there in my hand, independent of hardware, software and operating system issues.	11/7/2016 2:49 PM
1062	How can I stop receiving the print version.	11/7/2016 2:47 PM
1063	I suppose I might be getting it in Print but I also pick it up at meetings, etc., so I've kind of lost track just where the print version is showing up - I do have it in print here too. But yes, let's go digital, better for the environment and less clutter in my office.	11/7/2016 2:46 PM
1064	Thank you, it is good to know about what is happening in engineering field especially when you are retired.	11/7/2016 2:45 PM
1065	I think it should be based on preference as some people might not have access to internet specially old school	11/7/2016 2:44 PM
1066	I haven't been getting the digital edition, there is no way to reflect this in my responses above. Suggest you don't include me therefore in your compilation.	11/7/2016 2:38 PM
1067	I agree that it is more eco-friendly to have the digital issue but it is much better to have a physical copy to read. Flipping between pages just isn't the same on a computer.	11/7/2016 2:38 PM
1068	The quality of the articles has become too "pop news" and less professional. You have access to a wide range of top engineering professionals. Why not feature their articles on topics relating to their expertise rather than having most articles written by the associate editor who isn't a P.Eng? I've volunteered to write articles on topics of interest to members several times and never received so much as an acknowledge ment.	11/7/2016 2:36 PM
1069	Q 4 cannot really be answered because I don't remember ever receiving the digital version.	11/7/2016 2:36 PM
1070	A digital version has absolutely no appeal to me.	11/7/2016 2:36 PM
1071	No comments.	11/7/2016 2:31 PM
1072	I would prefer receiving digital version if it were more user-friendly and mobile compatible and accessible off-line.	11/7/2016 2:30 PM
1073	thanks for the opportunity for input!	11/7/2016 2:27 PM
1074	I can not stand too long in front of computer screen	11/7/2016 2:22 PM

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1075	My preference for print is pretty marginal - either is acceptable. Since I'm long-retired, my preferences shouldn't influence you in any way.	11/7/2016 2:22 PM
1076	Digital version is perfectly fine. In my opinion the paper copy is less environmentally friendly and for a one application like a newsletter I would prefer the environmental footprint to be as small as possible.	11/7/2016 2:19 PM
1077	always had print question #4 answered to send survey - does not apply	11/7/2016 2:19 PM
1078	If you sent me an epub optimized for offline viewing on a range of devices I might be more inclined to take the digital version. PDF do not have acceptable layout on digital devices and web pages require me to be online.	11/7/2016 2:17 PM
1079	I like the print version however i do not mind digital for environmental friendly. Thank for the survey.	11/7/2016 2:16 PM
1080	The print version can be read anytime , anywhere . It is easier to read, It allows me to read more often,	11/7/2016 2:15 PM
1081	In future, please consider using larger font in the printing as more and more baby boomer are getting older and their vision may not be as good as before	11/7/2016 2:06 PM
1082	The articles I found most interesting concern previsions and the future of the professions. Issues that might affect us down the road are what i am looking for in the magazine.	11/7/2016 2:02 PM
1083	It would be greatly appreciated if you guys could assist EITs to find jobs so we could get experience. Thanks.	11/7/2016 2:01 PM
1084	I work at a computer all day. When I get home to my family I want to avoid screen time and let them know I'm accessible. It also fosters a climate of reading in the home which is important to demonstrate to the kids (four children 7 and under). Print also works well when I an out and about as I don't bring a tablet or laptop. Seeing the print edition reminds me to pick it up, digital copies get lost and forgotten in the inbox.	11/7/2016 2:01 PM
1085	I don't have time to read.	11/7/2016 2:00 PM
1086	Prefer print version sent and digital available on microsite.	11/7/2016 1:58 PM
1087	Please switch me to the digital version. Thanks	11/7/2016 1:57 PM
1088	I will switch to digital version	11/7/2016 1:56 PM
1089	The printed version is much more convenient. It can be read at any time and any place.	11/7/2016 1:55 PM
1090	Thank you for all your work and effort.	11/7/2016 1:53 PM
1091	I love the print but digital is more economically friendly.	11/7/2016 1:51 PM
1092	I can use the print version better as an aid to my teaching	11/7/2016 1:47 PM
1093	I especially like reading the print edition then passing it on to family or friends!	11/7/2016 1:47 PM
1094	both the Alberta and BC magazines that I get are far better than Dimensions. It is navel gazing at its worst, with no leadership or vision to inspire engineers. If only we could eliminate its cost and just send out either of the other mags we would be better off.	11/7/2016 1:47 PM
1095	My email volume is too high. Having a paper copy is a visual reminder to read or browse through it while having breakfast or similar. However I understand that it is expensive and environmentally unfriendly to print and mail.	11/7/2016 1:46 PM
1096	It would be much more convenient in dealing with clients (especially overseas) if printed versions of list of membership, and list of consultants available FOR SALE or ORDER FOR A FEE to PEO. it is rather difficult to get information from a website during a meeting.....especially when the meeting is outside of an office environment.	11/7/2016 1:44 PM
1097	I appreciate being kept up to date with what is going on in the Profession.	11/7/2016 1:42 PM
1098	NEVER read the digital version!	11/7/2016 1:41 PM
1099	I suggest to stick to digital edition	11/7/2016 1:41 PM
1100	A good source of information.	11/7/2016 1:40 PM
1101	I would like to see technical papers with design and calculations. For example, how many Engineers know about Performance Grade Asphalt Cement (PGAC) and its properties?	11/7/2016 1:40 PM
1102	I don't understand why were you sending me in 2016 the printed version of ED !	11/7/2016 1:39 PM
1103	Print is portable and easy to share without need for tech gadgets.	11/7/2016 1:38 PM
1104	An option to request a print copy shortly after the digital version is available would be something I think I would appreciate.	11/7/2016 1:37 PM
1105	I never read the digital version ever but I do look at every print version which comes. Too easy to ignore the digital version.	11/7/2016 1:36 PM

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1106	At my age I find it a challenge to live on the internet.	11/7/2016 1:33 PM
1107	This navel-gazing publication is of interest to engineers in engineering consulting firms, but I suspect irrelevant to nearly all the other degree/licence holders. The CA's put out a crackerjack magazine, why can't PEO?	11/7/2016 1:33 PM
1108	Thanks	11/7/2016 1:31 PM
1109	Let's be responsible to the environment and go paperless	11/7/2016 1:30 PM
1110	Understand drive to go digital. But then easily lost in the bevy of mail coming through from all sources. Prefer print	11/7/2016 1:30 PM
1111	The print issue is easier to get back to where you left off. I do not read the whole magazine in one go. I read articles over a period of time ON & OFF	11/7/2016 1:30 PM
1112	I recall that engineering dimensions came out digitally for a period of time before switching back to print. The default should be digital with an opt-in feature for print copies.	11/7/2016 1:29 PM
1113	I do need to keep up with my profession now that I'm retired - Eng Dim is the window	11/7/2016 1:29 PM
1114	If digital only is adopted the cost of production should significantly decrease. Member fees could be reduced.	11/7/2016 1:29 PM
1115	digital engineering dimensions is the same as cit y roads. Poor quality and full with holes due to lack of engineering	11/7/2016 1:27 PM
1116	Thank you for the great work you do for allowing a wide sharing of knowledge within the Engineering community.	11/7/2016 1:24 PM
1117	the magazine is well done, keep it up	11/7/2016 1:23 PM
1118	I enjoy reading the paper version	11/7/2016 1:22 PM
1119	the advantage of anything in print is that you can make personal notes in the margin based on your understanding of the topic. I do the same with the books that I own but not with library books.	11/7/2016 1:18 PM
1120	It is more comfortable to read print copies and I prefer to have print copies of magazines. Every work day we are in front of the computer. we want a break. Thanks	11/7/2016 1:17 PM
1121	I am retired.	11/7/2016 1:16 PM
1122	Correct answer for 7) Never tried digital.	11/7/2016 1:16 PM
1123	I just checked out the microsite and it is much better for ease of reading than previous way to see digital but I still like the portable and no internet required of print version. I did not read the digital version with any regularity but I do with the print version.	11/7/2016 1:15 PM
1124	Ah, progress! Forcing me to respond to 9 questions after soliciting my response to 1 (ONE) question. Helping professionals to become better robots, no doubt.	11/7/2016 1:14 PM
1125	Prefer to get my hands on an actual magazine.	11/7/2016 1:13 PM
1126	I just don't have time but when I am using the washroom at home I can read until the cows come home. Keeping ED there makes it easy but some day I would like to read ED anywhere with the digital version. If I could bookmark where I am in it then I might fine the digital version more convenient. Maybe "in my face" would be a better term.	11/7/2016 1:13 PM
1127	The major advantage of the print version to me is that I can put it aside for a while when other things interrupt. It sits "in view" all the time, letting me know that it's ready for reading some more when I'm ready. The problem with the digital version is that I am almost forced to read it all at once, since it's difficult to scan over many pages in a few seconds. As such is demands more of my time, and I'm not always free. So I quit, and a day or two later forget that I was even reading it (since the e-mail "clues" say that I've read it). If it was downloadable as a "magazine" to a software app such as "Newsstand", I may read it more often.	11/7/2016 1:13 PM
1128	Satisfied with contents of the magazine as presently offered. Thanks.	11/7/2016 1:08 PM
1129	Thank you for reverting back to the print version.	11/7/2016 1:07 PM
1130	Paper is best! Hard copy makes PEO seem real, as opposed to virtual. It is also MUCH easier to read and browse. Thanks!	11/7/2016 1:07 PM
1131	PDF copy can be magnified on screen. This is an asset.	11/7/2016 1:05 PM
1132	The digital version was difficult to navigate.	11/7/2016 1:05 PM
1133	It is nice to hold something in this world of digital everything!	11/7/2016 1:04 PM
1134	Na	11/7/2016 1:04 PM
1135	As a retired, non-practicing engineer, I most 'enjoy' the reports of failures and malpractice cases	11/7/2016 1:03 PM
1136	I would prefer the digital version of the Engineering Dimension.	11/7/2016 1:01 PM

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1137	thank you	11/7/2016 1:01 PM
1138	I wish to continue with the digital version	11/7/2016 1:00 PM
1139	I have nothing against the digital age, but all hard copy books are preferred.	11/7/2016 12:58 PM
1140	In this day and age, it is crazy that we still spend \$300k on print mail out. As a profession, we should be gyrating towards digital magazines rather than print. This is the future. We should focus on proper archiving and accessibility of our past issues instead. With paper magazines, there is considerable waste and storage concerns. Why are we making the problem worst. I would suggest if our old school colleagues who want to have Engineering Dimensions on their coffee tables, should consider getting a tablet or asking for print instead. This is the 21 century. Time to wake up and smell the coffee. Let's make print an option and digital the default. If people don't want to read something, print or digital does not make a scrap of a difference.	11/7/2016 12:58 PM
1141	I would prefer to have Engineering Dimensions sent to me as a PDF attached to an email - or another format that can be read on most devices while not connected to the Internet.	11/7/2016 12:57 PM
1142	I'm good with the least costly distribution mode as well.	11/7/2016 12:56 PM
1143	We receive too much information.....	11/7/2016 12:55 PM
1144	Please make the default digital, with opt in for the print edition.	11/7/2016 12:54 PM
1145	I prefer the print edition because, although I am near the GTA, there is no decent high-speed internet and what I have is very expensive.	11/7/2016 12:54 PM
1146	Good publication, especially the Gazette. My son has recently enrolled in undergrad engineering science at UofT and I pass on the magazine to him and his friends. Alternatively, I give it to the young engineers at my Army Reserve unit which is 32 Combat Engineer Regiment. Cheers, Kevin Sheedy, P.Eng.	11/7/2016 12:53 PM
1147	Please retain the print version. Thank you.	11/7/2016 12:51 PM
1148	No additional comments; I prefer the digital version of Engineering Dimensions	11/7/2016 12:50 PM
1149	Nil	11/7/2016 12:50 PM
1150	many things to read on the internet so Eng Dimensions is last to get attention. When you are about to sleep and need a magazine that is when you look at Eng Dimensions	11/7/2016 12:48 PM
1151	I DON'T WANT DIGITAL VERSION. IT IS HARD TO READ. WE SHOULD HAVE OPTION EVEN IF THE MAJORITY DECIDES OTHER WAY.	11/7/2016 12:48 PM
1152	I travel more than 50% of my working time and since I will not be in the office to receive the printed version in time, it therefore is more convenient for me to receive the digital version so that I can read while I travel. Also, I am not sure if we can save the digital version, if not, it would be a good idea to have this option added. This will give access to the magazine when there is no internet available.	11/7/2016 12:48 PM
1153	The digital version was almost unreadable in n my Macintosh, so I switched back to print and now I read it!	11/7/2016 12:45 PM
1154	Keep up the good work. Don.	11/7/2016 12:45 PM
1155	Most if not all PEO members have email addresses and are Internet-savvy. It is cost-effective and environmentally friendly to go digital for all that want it	11/7/2016 12:45 PM
1156	Going digital is fine	11/7/2016 12:44 PM
1157	If I could only get it digitally I would not read it.	11/7/2016 12:44 PM
1158	The best time to read Engineering Dimensions is during travel, whether daily trips on bus or train within town or during flights. Only the print version makes this possible.	11/7/2016 12:43 PM
1159	Keep up the great work !!	11/7/2016 12:40 PM
1160	I like the print edition because when I'm reading it, that's all I'm doing. No other influences (incoming messages, blinky ads, troublesome internet connections, etc.) take away from my focus on reading the articles.	11/7/2016 12:37 PM
1161	Retired from engineering	11/7/2016 12:35 PM
1162	I guess I am looking the magazine to keep up to date with who is in charge and often trying to determine if PEO has any relevance if I am not a public facing engineer but more part of industry / company.	11/7/2016 12:35 PM
1163	I find I spent too much time in front of a screen with other matters, and prefer to read about how the PEO is proceeding when I am doing something else. If I were younger, I doubt this would be so.	11/7/2016 12:35 PM
1164	In 2017, I will be switching to digital version	11/7/2016 12:34 PM

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1165	Text based micro site??	11/7/2016 12:33 PM
1166	I have not received the publication Engineering Dimensions prior to January 2016, as I was not registered with the PEO.	11/7/2016 12:33 PM
1167	Provide more articles on the LET class of licence.	11/7/2016 12:30 PM
1168	I don't read any magazines online when at home. I don't read ED at work. Thanks for the option.	11/7/2016 12:30 PM
1169	I assume digital saves PEO. money. That is why I opted for it. Being retired for 13 years there is less requirement to read it	11/7/2016 12:30 PM
1170	nil	11/7/2016 12:29 PM
1171	Please stop sending me the hard copy.	11/7/2016 12:28 PM
1172	I've now bookmarked www.engineeringdimensions.ca and will be sure to visit periodically!	11/7/2016 12:28 PM
1173	The magazine has way too much about the Association management, events, admin, etc. and hardly any technology or engineering content. I preferred the ASME magazine that has/had many articles with meaty technical engineering stuff.	11/7/2016 12:28 PM
1174	I will like the print version on my new address: #44, 64 Hiawatha Road Woodstock, ON N4T 1P4	11/7/2016 12:27 PM
1175	I am touchy-feely with books/mags	11/7/2016 12:27 PM
1176	I never read the publication when I received it electronically. I may not read it cover to cover in hard copy but I'm more likely to flip through it and read things that catch my attention.	11/7/2016 12:25 PM
1177	No comments.	11/7/2016 12:25 PM
1178	do not want magazine	11/7/2016 12:24 PM
1179	The "band waggon" trend to digital on the premise of environmentally friendly is overrated. For non-mobile users, printed versions are often read while waiting for other things to happen, that is, fill otherwise idle time.	11/7/2016 12:24 PM
1180	Best to publish it on the web and send members a link, rather than making a pdf. Make it serve the entire world. Articles are good, but I often simply lack time to read due to excessive work.	11/7/2016 12:23 PM
1181	It should promote receiving members opinions regarding technical and economical problems of this country.	11/7/2016 12:22 PM
1182	.	11/7/2016 12:21 PM
1183	continue with print version. This is one of the few tangible benefit I see from PEO !!!	11/7/2016 12:20 PM
1184	microsite could benefit from being revamped in the same design language as the current PEO site, and also if commenting features could be added similar to news sites to enhance engagement with members. Would love to help!	11/7/2016 12:20 PM
1185	None.	11/7/2016 12:19 PM
1186	Its wonderful and cover important topics.	11/7/2016 12:18 PM
1187	I read it on planes and at cottage where no internet is available. Never read the digital version	11/7/2016 12:17 PM
1188	I am for printed versions, they are on my table and keep reminding to read!	11/7/2016 12:17 PM
1189	Environmentally we have to go digital	11/7/2016 12:16 PM
1190	Keep in print, but reduce publication period to quarterly or semi-annual.	11/7/2016 12:15 PM
1191	While I continue to get more information from electronic sources and like the green nature of the electronic delivery, I've found for Engineering Dimensions, I need the 'in your face' reminder of the physical version in order to read it.	11/7/2016 12:13 PM
1192	Please keep issuing the print version. Thanks	11/7/2016 12:13 PM
1193	I appreciate that it is being offered in print, it will disappointing if it is moved to digital only.	11/7/2016 12:13 PM
1194	Thanks	11/7/2016 12:12 PM
1195	I prefer to receive it digitally.	11/7/2016 12:12 PM
1196	Thank you	11/7/2016 12:11 PM
1197	No comments	11/7/2016 12:11 PM
1198	I believe that Digital is a reality for any form of media, in special because it is more environmental friendly and convenience. I already receive several magazines via internet (manure management, Canadian Poultry, etc). It is just a matter to make it easy to be assessed	11/7/2016 12:11 PM

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1199	Please keep the hard copy/print version for us "Ludites". Thank you.	11/7/2016 12:10 PM
1200	No comment	11/7/2016 12:10 PM
1201	The email sent out should have linked to where people can set the option to digital. I'd honestly like to read the GOLD, IEEE, and Dimensions magazines I get, but like many people don't have time.	11/7/2016 12:10 PM
1202	We are a family of engineers and would prefer if both options (hardcopy and digital) are made available. At most we only need one hardcopy of the magazine.	11/7/2016 12:09 PM
1203	with digital version, you also can search texts, take a screenshot, archive, etc, basically what you would be able to do with digital files in general.	11/7/2016 12:09 PM
1204	I read everything digitally (e.g. the technical stuff, the Globe, the Star, the Economist, etc). I would like to unsubscribe from the print edition of Dimensions, but I cannot find out how. Please, help me making it explicit howto unsubscribe.	11/7/2016 12:08 PM
1205	Would like to see more content on - softer skills e.g. Networking, communication skills - distance learning opportunities	11/7/2016 12:08 PM
1206	Keep the print version available.	11/7/2016 12:07 PM
1207	Both print and digital versions should be available to members.	11/7/2016 12:07 PM
1208	More Engineering Design tips	11/7/2016 12:07 PM
1209	Thanks for the print version.	11/7/2016 12:07 PM
1210	I know that digital is more environmentally friendly but I actually enjoy hard copies. e-copies of information that i receive tend to go into delete file. Unless a headline catches me I tend not to read them.	11/7/2016 12:07 PM
1211	No further comment and thank you!	11/7/2016 12:06 PM
1212	THE BEST PART OF THE PRINT EDITION IS THAT YOU CAN READ SOME OR A BIT OF THE MAGAZINE AND THEN RETURN LATER WITH MORE TIME AND WITHOUT HAVING TO HUNCH OVER A COMPUTER SCREEN	11/7/2016 12:06 PM
1213	n/a	11/7/2016 12:06 PM
1214	the paper version experience just could not be replaced.	11/7/2016 12:04 PM
1215	Digital is fine but in my case at least, I open digital magazines rarely as they end up buried in a forest of email messages. I at least check every page in all the paper trade magazines I receive even if I do not read each in detail as not every page has application to my areas of practice or knowledge. Honestly, I rarely look at digital versions as I do not have time and sometimes one just wants to shut the laptop or tablet down.	11/7/2016 12:03 PM
1216	More concentration on new developments and unusual applications rather than committee photo's and delinquent engineers	11/7/2016 12:03 PM
1217	The digital version is not user friendly. Pages need to be re-zoomed in every time. Check out some of the more advanced magazines apps, e.g. Texture.	11/7/2016 12:02 PM
1218	Difficult as it may be for urban folk to believe, there are still many rural areas in Ontario, including where I live, that have no reliable access to high speed internet.	11/7/2016 12:02 PM
1219	Although digital will be the favoured method for other publications including the Eng Dimensions, I do most of my reading of any journals on planes, airports, bed time reading, and when visiting relatives (during personal time) so portability is important, especially when Wifi is not available.in many locales.	11/7/2016 12:02 PM
1220	If only in digital then you can cancel my subscription.	11/7/2016 12:01 PM
1221	I prefer the digital version	11/7/2016 12:01 PM
1222	All is good.	11/7/2016 12:00 PM
1223	I like the hard copy as I can pass it along to people who are not members. I also like to place it in the office waiting room. Thanks for the hard copy - Herb Barnes	11/7/2016 12:00 PM
1224	A notification email with a direct link to the latest digital version could help some of us to be more inclined to using the digital version and eventually switch to it	11/7/2016 12:00 PM
1225	Everyone should be digital now - mailing out printed copies doesn't seem right in this day and age.	11/7/2016 11:59 AM
1226	Please make digital version available for download.	11/7/2016 11:59 AM
1227	I can travel with the print copy wherever I go without Laptop, Computer, iPad, or WIFI.	11/7/2016 11:59 AM
1228	Text is okay digitally, but graphs and charts don't work as well, especially trying to read the axis labels. I even read novels on my iPhone!	11/7/2016 11:58 AM

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1229	Reading this publication is never top priority. I would certainly never read the digital version.	11/7/2016 11:56 AM
1230	I tend to read the print version more, but I think the digital version makes more sense, so I will make an effort to read it in that format. The email notifications are critical.	11/7/2016 11:56 AM
1231	Digital is fine with me - print is ok too but more costly to distribute I imagine	11/7/2016 11:55 AM
1232	Please maintain the print version. I enjoy having a hard copy of all newspapers and magazines where available. Maclean's magazine is going largely to digital, and we will be cancelling our subscription.	11/7/2016 11:55 AM
1233	Regardless of preferences, engineers should act as role models protecting the planet and there is the added value of being able to read it anywhere without the need to remember carrying a paper copy.	11/7/2016 11:55 AM
1234	Although I consider my self somewhat tech savvy. The main advantage of the print version is that it sort of forces me to look at it, which is important. Where as with the electronic version, if I skip it to review later it gets lost in the email void and may never get reviewed.	11/7/2016 11:54 AM
1235	I do not want the print version.	11/7/2016 11:53 AM
1236	I occasionally read the digital version, but found that I read more of it as the print version.	11/7/2016 11:53 AM
1237	Send the digital edition to save paper and postage.	11/7/2016 11:52 AM
1238	Some times you write on the print version. It can be carried with you.	11/7/2016 11:52 AM
1239	I tend to ignore digital publications, where at least I skim through print versions reading anything that takes my interest.	11/7/2016 11:51 AM
1240	PLEASE KEEP THE PRINTED ENGINEERING DIMENSION	11/7/2016 11:49 AM
1241	good idea to provide digital - I think that should be the 'default' version	11/7/2016 11:48 AM
1242	PRINT ISSUES ARE EXCELLENT IN EVERY RESPECT.THANK YOU.	11/7/2016 11:47 AM
1243	Digital is the way to go!	11/7/2016 11:47 AM
1244	need more useful information in the magazine	11/7/2016 11:47 AM
1245	PEO should try to orient this towards a more mobile friendly way of accessing PEO news. It is simply too inconvenient having to find the magazine upon every issue online.	11/7/2016 11:46 AM
1246	When you decide on a default format, be it digital or paper, some subset of your subscribers will feel inconvenienced in having to opt into the other format. This is usually a small fraction of the entire subscriber base, and I imagine there are approximately and equal number of "it must be paper" members as there are "it must be digital" members. Given these assumptions, why would the less environmentally friendly option be chosen as the default? This seems to have been a glaring oversight on the part of the PEO. Digital by default makes the most sense.	11/7/2016 11:46 AM
1247	Disregard my responses. My license was approved only a week ago. I'll develop preferences as I begin to experience this publication.	11/7/2016 11:44 AM
1248	Save some trees.	11/7/2016 11:44 AM
1249	I would rather to receive print copy for foregoing reasons above. Thanks.	11/7/2016 11:44 AM
1250	For environmental friendliness, I would choose digital format in the near future.	11/7/2016 11:44 AM
1251	Less on the regulations for engineering consultants etc and more on new technology, global warming, our position on these things	11/7/2016 11:43 AM
1252	Having a print copy allows others to read the issues as well. A wider audience is then reached.	11/7/2016 11:43 AM
1253	The engineering may prosper more if put out once a month. Quality of paper printed on could be improved for easier and less time wasting when reading.	11/7/2016 11:43 AM
1254	Want to retain the print version as I pass it to my grand son who is attending university.	11/7/2016 11:43 AM
1255	I always prefer the printed versions of Engineering Dimensions	11/7/2016 11:41 AM
1256	I selected the digital version for all it's advantages. However, I spend so much time on the computer at work that in my leisure time I prefer to read hard-copy and because of that I am not reading E-Dimensions much any longer. I think I need the print version again.	11/7/2016 11:41 AM
1257	Having the digital version available or the default allows for easy reference for online discussions VIA the PEO forum. In fact, perhaps there can be a direct link and collaboration between the Magazine and the Forum to elicit meaningful discussions with licensed Professional Engineers.	11/7/2016 11:41 AM

Engineering Dimensions Mini Survey

1258	Having an option for either the print or digital copy is great. I prefer the digital version, but realize others may prefer a hard copy.	11/7/2016 11:40 AM
1259	I only read Engineering Dimensions because I receive a print copy. If I were to begin to receive the digital version only, I would NEVER read the magazine. This is true for all "other" magazine subscriptions I hold (IEEE, Design Engineering, etc...)	11/7/2016 11:40 AM
1260	Thanks!	11/7/2016 11:39 AM
1261	I would like the ability to choose which format to receive.	11/7/2016 11:39 AM
1262	Educational and informative	11/7/2016 11:39 AM
1263	As requested I have filled out your survey. In truth, I used to read every issue thoroughly but I am now retired and my time has become scarce for this type of reading. In a couple of more years I drop my membership (I'm 71, retired from practice for almost 20 years) and won't read it at all. I have always enjoyed reading the print copy - but it is expensive and not environmentally sustainable. While it isn't as convenient, it is a better investment of our resources. Thank you for the survey. Thank you for Engineering Dimensions. Marg Murray Please change my subscription to digital.	11/7/2016 11:37 AM
1264	Much prefer to receive the print edition. It is portable. I can read on the bus, on the subway, in a hotel room, at the airport waiting for an aeroplane, Can read whilst sitting on the throne doing my daily BM. This member much prefers to receive the print edition. Too much stuff on the computer to read.	11/7/2016 11:35 AM
1265	I much prefer reading hard copy in all my reading. I only use the computer or tablet for reading when it is the only option.	11/7/2016 11:35 AM
1266	You should make the digital version the default choice.	11/7/2016 11:33 AM
1267	I find it informative	11/7/2016 11:33 AM
1268	Many organizations that I belong to provide both editions of their newsletters and magazines (ASHRAE for example). I like to take the paper copy for reading when flying, and like the other for a deeper look into things online.	11/7/2016 11:33 AM
1269	The print version provides convenience and relaxation.	11/7/2016 11:32 AM
1270	Although I don't read anywhere near 100% of each issue, I will not read it at all if it is in digital format.	11/7/2016 11:31 AM
1271	The articles provide good informative, which is appreciated.	11/7/2016 11:31 AM
1272	I can leave the printed copy on the coffee table and pick it up anytime to browse though it more leisurely.	11/7/2016 11:31 AM
1273	I didn't receive any magazine print or digital. Thanks	11/7/2016 11:31 AM
1274	The editorials are always good. Working engineers have more in common among themselves.	11/7/2016 11:30 AM
1275	Digital version would be great	11/7/2016 11:29 AM
1276	I am old school and enjoys having the magazine in hand.	11/7/2016 11:29 AM
1277	If I get the print edition I will browse through it. The digital edition I won't even bother to click on - there's enough internet stuff already.	11/7/2016 11:28 AM
1278	I have not received the print version.	11/7/2016 11:28 AM
1279	I use the text-based version. Your notice of issue is a prompt for me to look through it.	11/7/2016 11:27 AM
1280	I would appreciate to keep on receiving the print version. Very friendly to read and don't need a computer.	11/7/2016 11:27 AM
1281	If the engineers like to read Engineering Dimension, It doesn't matter print or digital. Tell them the cost of each version, they will decide better. Thanks	11/7/2016 11:27 AM
1282	Although I am a fan of the print version, in my case, I don't read enough of it to warrant getting it in print.	11/7/2016 11:27 AM
1283	I prefer the digital version	11/7/2016 11:26 AM
1284	I currently get digital not print as I was travelling for most of last year. I am switching back to print as I tend to read more of it if in print, at least I think I will. Thanks for asking.	11/7/2016 11:26 AM
1285	I have only used the print version however in the interest of saving paper I would be glad to switch over to the digital version	11/7/2016 11:26 AM
1286	If it's only available in digital format, I will never read it.	11/7/2016 11:25 AM
1287	I'm semi-retired and rarely read it. Digital saves paper	11/7/2016 11:25 AM
1288	Probably wouldn't read it at all if it was digital only.	11/7/2016 11:24 AM

Engineering Dimensions Mini Survey

1289	If the digital edition email notification can include links to individual articles in the issue, I would be more likely to click and read topics of interest to me	11/7/2016 11:24 AM
1290	Always enjoy reading it as it provides a means by which to stay current.	11/7/2016 11:23 AM
1291	In a busy schedule what's digital gets lost in the clutter of other digital media, unless one deals with it in one sitting.	11/7/2016 11:23 AM
1292	paging through digital version and maximizing and minimizing is a pain. a better/more user-friendly browsing application is required to be developed	11/7/2016 11:22 AM
1293	Members have spoken. We want a print version. It can sit in our boardrooms, we can share it around, we can read it at our convenience. Listen to your members and stop this silly initiatives to go to the print version. It didn't work.	11/7/2016 11:22 AM
1294	I can not read digital version on line.	11/7/2016 11:21 AM
1295	Great travel / awareness reading. I do so much on computer everyday, that I enjoy much more when reading a hard copy at my leisure	11/7/2016 11:21 AM
1296	Keep up the good work	11/7/2016 11:21 AM
1297	If you switch to digital, I will probably not read it at all.	11/7/2016 11:20 AM
1298	Little of relevance to a electronics design engineer	11/7/2016 11:20 AM
1299	Honestly, I stopped reading it because of the many articles on "sustainable" existence, particularly as it relates to transportation. I'm a civil and basically, we were "brought to life" because of the early Roman roads. Even today, roads and highways are essential to our existence. But yet, it seems like you can't talk about roads at all anymore. It's become a bad word. It's all transit and sadly, bike lanes. More transit equals more congestion. Studies have proven that. And as for bike lanes - taking up valuable road space for these things is stupid. There is no other word for it. We in the engineering community are supposed to do the right thing no matter what. This is what my generation was taught. Letting the socialist politicians and bike sub-culture rule the land as they try to force us all on the bus or onto bikes is NOT the right thing to do. If you start doing the right thing and give our sadly neglected, overloaded expressway systems more positive press so that they will get the funding they deserve, then I'll take an interest in your magazine again.	11/7/2016 11:20 AM
1300	Save the money	11/7/2016 11:19 AM
1301	I travel a lot and find keeping the hard copy with me is helpful.	11/7/2016 11:19 AM
1302	Print version is preferred. Whether on the road or at camp I pack it and then I will read it. No need to worry about connectivity with service provider.	11/7/2016 11:19 AM
1303	print version is better as a coffee table magazine - and serves as an easy conversation starter, thus it allows for more promotion and recognition of engineering as a whole. It also elevates the status of the engineering profession and increases visibility. The digital format narrows visibility only within the PEO engineering community.	11/7/2016 11:19 AM
1304	I think that thr option of receiving any version should be flexible as per each individual. This should also include an "Opt-Out" both versions choice.	11/7/2016 11:19 AM
1305	I question whether readership actually increased by sending a hard copy to everyone. I feel that the errors due to incorrect or not provided addresses outweigh the the number of people who don't read a digital version of a magazine. While readership is easy to track with a digital version, it is very hard to track a paper version as you cannot determine if someone opened it unless you do a survey (like this), which not everyone fills out and costs more money and time from PEO. I think blaming poor readership on how the content is delivered rather than the content itself is an indication that Engineering Dimensions is out of touch ith its readership.	11/7/2016 11:19 AM
1306	I think you should charge members who want a print version four the cost of oprinting and mailing.	11/7/2016 11:18 AM
1307	I would support going exclusive digital if Engineering dimensions can be downloaded and if there is an archive to retrieve and download previous editions.	11/7/2016 11:18 AM
1308	With the print version I scan articles, then I can browse and read either part or all or none. I leave the copy on the coffee table and can read for a few minutes whenever convenient without having to fire up the computer	11/7/2016 11:18 AM
1309	It might be more interesting if it had something on actual engineering in it rather than just regulatory articles. The Canadian Electrical Code book is more interesting.	11/7/2016 11:18 AM
1310	As a retired member, it keeps me up to date on regulatory developments but doesn't affect my livelihood. A short monthly email with links to dig deeper on topics would be sufficient for me. Spend my annual fee on something more productive.	11/7/2016 11:16 AM
1311	I really, really love receiving the print version. Please, don't take it away from me!! Thank you	11/7/2016 11:15 AM
1312	please start sending digital and cancel printed E Forsyth	11/7/2016 11:14 AM

Engineering Dimensions Mini Survey

1313	I highly prefer the printed edition of the magazine. It's more "personal oriented" and I can read it any time anywhere.	11/7/2016 11:14 AM
1314	For the longest time, I did prefer the printed text. Through work more items became digital. It is the changing world; youth of today believe in the digital world. I do remember a time back in grade school, Teachers were telling the students that the future will be a paperless society. Fifty years later it is closer. I have even converted to reading my books in a digital format. I have several books on my phone, which makes it easy to travel. Digital is now. I don't miss the odours of Thurso (very large paper plant), Quebec either.	11/7/2016 11:14 AM
1315	i	11/7/2016 11:13 AM
1316	Have not had the time to read the whole issue . Will read later.	11/7/2016 11:13 AM
1317	I know the print version it costs more, but I am getting fed up reading so much stuff on screens. With a magazine I can relax with a coffee, thumb the pages, scribble notes in it, leave it lying about, even tear out pages. It is "analog" (good) as compared to "digital" (increasingly irritating)... don't forget, the real world is "analog"!	11/7/2016 11:13 AM
1318	an old habit of enjoying reading a print issue, and would appreciate keep receiving it that way. many thanks.	11/7/2016 11:12 AM
1319	Save the environment (and money) from printing all those magazines (especially being in colour) and as such, please directly lower the annual PEO fee. I can imagine that this would make a LOT of people happy, not to mention that if people still wish to receive hard copies, they can request so. Thanks for listening to my 2 cents.	11/7/2016 11:12 AM
1320	I am retired and hence older with older eyes. Please, please, please print back on white so that it is legible without having to wait until I can read it in the sun shine!	11/7/2016 11:12 AM
1321	There's is too much information in every issue. Too much fluff.	11/7/2016 11:11 AM
1322	I am no longer living in Canada and hence the digital version is paramount to staying in touch.	11/7/2016 11:11 AM
1323	I can easily read Dimensions when I am travelling on a bus or train or sitting waiting for a meeting or an appointment.	11/7/2016 11:11 AM
1324	I like the print version because I don't have to have wifi at home or mobile. Also easy to share with friends.	11/7/2016 11:11 AM
1325	Print version is handy to read on the weekend and is more "reader comfortable" than looking at a screen (which I do a lot of and find tiring at the end of the day).	11/7/2016 11:10 AM
1326	Restrict content to PEO mandate.	11/7/2016 11:10 AM
1327	A short summary of each discipline case would be very helpful.	11/7/2016 11:10 AM
1328	I like to read print with morning coffee or in bed in the evenings. Tough to do with digital.	11/7/2016 11:09 AM
1329	Thanks for trying to do good work.	11/7/2016 11:08 AM
1330	I appreciate having the choice.	11/7/2016 11:08 AM
1331	I prefer the digital version but would like the format and page layout to allow easy reading on a monitor.	11/7/2016 11:08 AM
1332	I receive Engineering Dimensions by e-mail but never read it because there seems to be no way to open it. No matter what I try all I get is a toggle between the "Click here to read page" and the Digitally Works page and there seems to be no way to access the actual magazine.	11/7/2016 11:08 AM
1333	PDF format will be more convenient and accessible. Thanks	11/7/2016 11:07 AM
1334	I should be very happy for Engineering Dimensions to be discontinued altogether and for the money saved to go into reducing our Registration Fees.	11/7/2016 11:06 AM
1335	digital is better	11/7/2016 11:05 AM
1336	I can read it anywhere - I don't need a device to read it.	11/7/2016 11:04 AM
1337	Personally, I love reading printed copy when I am relaxing and relaxing my eyes from computer work...	11/7/2016 11:04 AM
1338	I like reading the print edition ,but if I had no choice I will agree to receive the digital edition, but I think I will read much less of the content.	11/7/2016 11:03 AM
1339	If we went all digital it would be nice to see a reduction in our fees as the printing costs would be eliminated.	11/7/2016 11:02 AM
1340	It is good way knowing what is happening in peo administration. Thanks	11/7/2016 11:02 AM
1341	I am glad you've provided us with the opportunity to express our views about the two versions available for ED. Keep up the good work and I am looking forward to continuing receiving the paper version.	11/7/2016 11:02 AM
1342	Digital is hard on the eyes. I really prefer reading paper based articles.	11/7/2016 11:01 AM
1343	I find the digital reader awkward to read as you have to zoom in/out continuously to read an entire article. It is even worse when the article is on multiple pages or continued on a page further back in the magazine.	11/7/2016 11:01 AM

Engineering Dimensions Mini Survey

1344	print version makes you feel that your profession is still cares about you, vs. just an electronic letter like version	11/7/2016 11:01 AM
1345	I have only used the digital version on a computer with a full size screen. The format works well on this application but I am not sure how well it would work on a smaller tablet or phone. I leave those comments to others.	11/7/2016 11:01 AM
1346	It's always nice lying down on my bed reading thre print version vs. stuck at a computer reading the digital version. Print is a lot more portable and easier to use.	11/7/2016 11:00 AM
1347	N/A	11/7/2016 11:00 AM
1348	The print edition is "distributable" for example in the common lunch room.	11/7/2016 10:59 AM
1349	There is not any interesting technical information in the bulletin. Just I found some interesting references to Nipigon Bridge which was useful but again nothing in the magazine.	11/7/2016 10:59 AM
1350	I'm long retired so interest in reading Engineering Dimensions is much diminished!	11/7/2016 10:59 AM
1351	I spend so much of my life on electronic medium, print medium allows more opportunities for me to read this publication	11/7/2016 10:58 AM
1352	The digital issue was cumbersome to read because it was formatted like the print edition. Page loads were slow. Re-sizing of page was required for each page turn. There is no need to follow the print format in a digital magazine.	11/7/2016 10:58 AM
1353	It's a step backwards that the default for distributing this magazine went back to paper. Not sure why but if readership levels went down the focus should be on content improvement, not the means of distribution	11/7/2016 10:57 AM
1354	I was unaware of a digital copy. Is it or a link emailed???	11/7/2016 10:56 AM
1355	I am trying to eliminate all mailings and paper based correspondence. I hope to have all my data stored and communications done digitally.	11/7/2016 10:56 AM
1356	Please switch me to the digital edition	11/7/2016 10:55 AM
1357	I did not know about the microsite until the editor made me aware of it in an email.	11/7/2016 10:55 AM
1358	"Blue pages" per incident too many. Use a precis with option to view full decision on line.	11/7/2016 10:54 AM
1359	eliminate print version to save enviroment and \$	11/7/2016 10:54 AM
1360	I prefer the hard copy. Also, note that there is a significant trend back to hard copy print documents. Hold it, touch it feel it. There is so much soft copy literature out there, it is impossible to keep up. The hard copy somehow is always evident.	11/7/2016 10:54 AM
1361	Please keep up with the print.	11/7/2016 10:53 AM
1362	I am of the "old school" !	11/7/2016 10:53 AM
1363	I'm old. This is the typical response that I expect you receive since I would anticipate the median age for P. Eng.s is 50 +/-.	11/7/2016 10:53 AM
1364	enjoy to read the dimensions.	11/7/2016 10:53 AM
1365	Thank you for conducting this survey to move forward based on the voice of majority yet within the framework of respecting the environment.	11/7/2016 10:53 AM
1366	Question #1 is wrongly stated. You know that since January you are sending the print form. So currently I am getting the print. Before January, I was getting the digital form.	11/7/2016 10:53 AM
1367	Print allows us to discuss over coffee breaks and its age friendly. Reading off a tablet, you spend more time search articles, loading it...	11/7/2016 10:52 AM
1368	I would be fine with just the blue section (ie. discipline section) being sent in print and the rest can be digital if that is possible - still reduces paper but accommodates slow readers like me who need the print to really digest the legal language in the blue section...and thanks so much for asking for feedback on this topic - well done :)	11/7/2016 10:52 AM
1369	Please default to digital delivery with the print copy available by request (if at all).	11/7/2016 10:51 AM
1370	I don't open the digital copy but I scan through the print copy & read the interesting articles	11/7/2016 10:51 AM
1371	I tend to delay reading the electronic copy and ends up not reading it at all.However its there and could be accessed anytime,from anywhere and its good for the environment.	11/7/2016 10:51 AM
1372	I have been retired for more than 10 years and now I am mainly involved with other interests. Only occasionally do I check something in more detail	11/7/2016 10:51 AM
1373	Already have enough digital	11/7/2016 10:50 AM

Engineering Dimensions Mini Survey

1374	Please change my delivery to Digital (your survey is not clear whether Q5 will change the delivery)	11/7/2016 10:50 AM
1375	Digital saves money mailing as well as paper.	11/7/2016 10:50 AM
1376	I went digital to be environmentally friendly and I'll continue. I've noticed that there are problems viewing all the content in each issue. Invariably, I need to log in multiple times and pick up where I left off. There need to be some improvements. Regarding the magazine itself, I feel a quarterly publication would be more suitable given the time for issues to evolve to anything noteworthy.	11/7/2016 10:50 AM
1377	Pass any cost savings derived from digital distribution back to the PEO members. Some organizations offer an electronic-only membership at a reduced cost. Digital documents are easy to archive, for later reading. 'Later' doesn't come easily!	11/7/2016 10:50 AM
1378	Digital copy is nice for travelling and snowbirds, and is the green way to the future. However since I graduated in 1980, hard copy paper in my hands is always easier to read and "friendlier". Habits I guess.	11/7/2016 10:49 AM
1379	Being retired, my focus today is not on engineering, but I try to keep informed and the magazine helps in achieving that objective.	11/7/2016 10:49 AM
1380	I haven't read it (in either version) in probably a decade or more. No interest/time for it and no particular relevance to my industry. Maybe new members would find it interesting. I prefer the digital so I don't need to recycle it. Wish there was an unsubscribe option to turn off the emails for it.	11/7/2016 10:49 AM
1381	Keep both digital and paper copy of the Engineering Dimension!!	11/7/2016 10:48 AM
1382	Too boring. Make it more interesting. It should be interesting to read by a non-engineer. If this test fails, then you are only preaching to the converted.	11/7/2016 10:47 AM
1383	I am 81 years old with an ancient computer. I try to stay in touch. Kevin	11/7/2016 10:46 AM
1384	Thanks for everything	11/7/2016 10:45 AM
1385	Before the digital edition, I read most of ED. With digital, I read very little. I now read most of the print edition again.	11/7/2016 10:45 AM
1386	Prefer printed version	11/7/2016 10:45 AM
1387	A good magazine!	11/7/2016 10:44 AM
1388	I am focussed on my retirement and really not that interested in work issues. I do like going to the evening presentations on unique topics.	11/7/2016 10:44 AM
1389	I never switched over to digital. I tend to read my magazines while working out at the gym. I cannot do this with an online magazine.	11/7/2016 10:43 AM
1390	no more comments	11/7/2016 10:43 AM
1391	Need pdf copy to be emailed to users so that they can take a look quickly. Sending a link for them to go to a webpage.. then.. then.. blah blah.. will result people not even clicking the link. Shahid	11/7/2016 10:43 AM
1392	Thanks for going back to the print edition. I found that I wasn't even looking at the digital version.	11/7/2016 10:43 AM
1393	Perhaps we could have less edition with more interesting subjects. I don't want to read about awards I want to tead about new technologies, area or research, what is the engineering community is doing to solve climate change, etc...	11/7/2016 10:43 AM
1394	Sorry, no comments to offer - I'm 90, but not senile (yet) douG	11/7/2016 10:43 AM
1395	I get so much in my inbox and have so many wired connections that I ignore many. I don't even read my electronic bill statements. Therefore not likely I will bother reading the digital Engineering Dimensions. When I get the print version I scan through it and read what I want. I am not a practicing engineer and 66 years old. You should figure out who your target audience is and then please them. Print is a waste of money. I have converted to a digital daily newspaper and books.	11/7/2016 10:43 AM
1396	It's a very good read and I do like it in physical print. The IEEE has started sending some of their publications (e.g. Their "Computer" magazine) in digital form but I find I now only read small portions of it compared to the former print version. Also it has been shown that the "retention" of material read from a digital media is typically much less than that from good old print.	11/7/2016 10:43 AM
1397	Stay with the printed version.	11/7/2016 10:42 AM
1398	Did not know there was a digital version. Only interested in print version in any event.	11/7/2016 10:41 AM
1399	Information overload is getting worse. Digital means getting to the nugget (if there is one) quicker.	11/7/2016 10:41 AM

Engineering Dimensions Mini Survey

1400	PEO is run by people worse than politician. The primary issue is Cost! What is the cost of prints? Where is this survey the cost is discussed!? PEO is run by people who like to run charities! Who desigend the questions in this survey? Maybe a printed bersion creates job for some people and help the economy!!! PEO executive fail to connect with members and thats why their decisions, and even surveys are flawed...and not in the best interest of its members...it is sad!	11/7/2016 10:41 AM
1401	When Engineering Dimensions was first made a digital only publication, I read it less frequently than if it had been in print. (It had been my go-to reading material while travelling.) The overall effect was that I was less informed about the evolving issues that were affecting the profession. While my preference is digital publication, it would be best served as 100% downloadable documents permitting stand-alone(non-internet perusal).	11/7/2016 10:41 AM
1402	I haven't received either print or digital version for some time (months). I hope this changes.	11/7/2016 10:40 AM
1403	As a retired and aging engineer, please give my remarks a low priority	11/7/2016 10:40 AM
1404	I hate the digital version since it does not show enough detail at a size that I can read. I speed read so too much time spent scrolling on the digital version. Waiting for downloads is a pain as well.	11/7/2016 10:40 AM
1405	I found that I never read the digital version, it was forgotten in my e-mail. The print version is a better format for reading.	11/7/2016 10:39 AM
1406	Digital version is difficult to progress sequentially through odd and even numbered pages	11/7/2016 10:38 AM
1407	Please keep sending the Print version. I never even look at online magazines. They are far to inconvenient.	11/7/2016 10:38 AM
1408	I prefer digital	11/7/2016 10:38 AM
1409	We should be able to get both, digital and print.	11/7/2016 10:37 AM
1410	Don't weigh my comments too heavily, I have retired and don't follow this sort of thing as much as I once did.	11/7/2016 10:37 AM
1411	Find the printed version a simply and 'quick-access' option that can be read easily as often as one stops and continues re-reading at a later time.	11/7/2016 10:37 AM
1412	Print edition can be picked up and put down until later. Digital -- I feel I have to read the whole thing at once or I'll never get back to it. This leads to postponing indefinitely, often until the next edition is ready.	11/7/2016 10:37 AM
1413	Let's reduce our environmental footprint and keep it digital. We must get with the program everything is electronic today. Shame on PEO for reversing the trend.	11/7/2016 10:37 AM
1414	Digital edition is preferred	11/7/2016 10:36 AM
1415	The print version is easier to pass on to other people.	11/7/2016 10:36 AM
1416	Nothing more to add. Thanks!	11/7/2016 10:36 AM
1417	No specific comments. Thanks for offering choice on digital/print	11/7/2016 10:36 AM
1418	Please consider including articles about alternative sources of energy written from an engineer's perspective i.e. no politics and/or grandstanding	11/7/2016 10:35 AM
1419	Please continue sending me the hard copy.	11/7/2016 10:34 AM
1420	If it is only digital and I have to log in to read it. I will never ever bother to read it.	11/7/2016 10:33 AM
1421	I'm much more likely to read a print magazine than an electronic one. I spend my working hours glued to a screen and prefer reading paper documents at home.	11/7/2016 10:33 AM
1422	It is easier to share articles with my kids in print version.	11/7/2016 10:33 AM
1423	I have only received the digital copy into thousand 16.	11/7/2016 10:33 AM
1424	The case histories are the most important part.	11/7/2016 10:33 AM
1425	The hardcopy version is great - helps keep me from having to look at another damn screen.	11/7/2016 10:32 AM
1426	digital version is fine	11/7/2016 10:32 AM
1427	I am old school! If I read stuff on the internet beyond instructions, I get distracted and don't focus on the article that I am reading, then I have to re read the article and often miss the entire point of the article and get disinterested.	11/7/2016 10:32 AM
1428	Make it easier to switch to the digital edition - I don't need any more login names or passwords, I just want to stop getting the print edition	11/7/2016 10:32 AM
1429	I actually don't think I'm receiving either print or digital (can't remember last time I got one in the mail). Also, its not the format that's the problem, its the content has always been dry as dust.	11/7/2016 10:31 AM

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1430	Good magazine	11/7/2016 10:31 AM
1431	I can put it in my brief case and read it when I have free time. The digital disappears in my emails and I forget about it.	11/7/2016 10:30 AM
1432	Print is easier to read than digital	11/7/2016 10:30 AM
1433	Please continue sending me the Print Issue. Thank you.	11/7/2016 10:30 AM
1434	I recycle my magazine which in turn needs energy. My digital copy also needs energy but can I recycle that? Which of the two is more friendly?.....now that would be a good debate.	11/7/2016 10:30 AM
1435	Default should be digital and request for print.	11/7/2016 10:29 AM
1436	Less adds, more content. Less aggrandizing.	11/7/2016 10:29 AM
1437	none	11/7/2016 10:29 AM
1438	I would prefer to receive the digital copy.	11/7/2016 10:28 AM
1439	please send digital versions only to a_mezei@hotmail.com Thank you, Alex Mezei, P.Eng.	11/7/2016 10:28 AM
1440	I prefer the print version as I could have it around and probably get an opportunity to read some of it at my convenience (perhaps in the bathroom or on a plane). With the digital copy, I have to remember to go and look for it and that is on a much lower priority than other things that I access online.	11/7/2016 10:27 AM
1441	Engineering Dimensions sometimes is boring. needs more involve with interesting subjects like high tech info, new papers and news about specific projects.	11/7/2016 10:27 AM
1442	Thanks	11/7/2016 10:26 AM
1443	Prefer print as I can do it at leisure at home.	11/7/2016 10:26 AM
1444	The most important thing about print version is having it in the lunchroom for everyone to read. It sparks discussion and innovation. It is important. Digital everything has ruined any casual interaction regarding technical topics of any sort. It actually really bothers me. Sustainable forestry practices are there in Canada - let's be reasonable and keep with print versions.	11/7/2016 10:26 AM
1445	I understand the world is moving to digital, but it is hard for me to read from a device. I prefer the print	11/7/2016 10:26 AM
1446	I usually read it while on a flight. It's a great touch.	11/7/2016 10:25 AM
1447	Often I forget I have the digital version. The print edition stays "in your face" and I don't have to search for it.	11/7/2016 10:25 AM
1448	I like the idea of digital but I get so many emails that I never opened the digital version when I was receiving them... that's why I prefer the paper copy for this.	11/7/2016 10:25 AM
1449	Personally I have trouble reading digital versions.	11/7/2016 10:23 AM
1450	Please save the environment and make the digital version the default.	11/7/2016 10:23 AM
1451	for digital version to be effective, it has to look exactly like the print version, with proper graphics and colours. Otherwise I would prefer the print copy.	11/7/2016 10:23 AM
1452	both my husband and I get a copy - if I could opt out entirely that would be better	11/7/2016 10:22 AM
1453	Paper is less tiring for eyes	11/7/2016 10:22 AM
1454	either version works for me but paper is more portable but electronic is n more environmentally friendly	11/7/2016 10:22 AM
1455	Print for me, print for clients and visitors.	11/7/2016 10:22 AM
1456	thanks	11/7/2016 10:21 AM
1457	I prefer digital version as I can save for future reference if I needed	11/7/2016 10:21 AM
1458	Just would like to thank you for all your assistance. Best wishes	11/7/2016 10:21 AM
1459	I prefer a physical magazine iny hands.	11/7/2016 10:20 AM
1460	no comment	11/7/2016 10:20 AM
1461	It is pointless to issue the on-line version with the same layout as the print version as the column format is not conducive to on-line reading. Also the hard copy means that I can dip into the magazine whenever and wherever I fancy.	11/7/2016 10:20 AM
1462	prefer the print edition	11/7/2016 10:19 AM

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1463	I did prefer the print version, but would now like to try the digital version again to see if I will read it as much without wasting paper.	11/7/2016 10:19 AM
1464	Times have changed. The financial and environmental costs of print media make them difficult to justify.	11/7/2016 10:19 AM
1465	The nice thing of printed version is that I can read it any time I feel like it. I do not need the pic etc. I can watch tv and read the articles during the commercials.	11/7/2016 10:19 AM
1466	getting digital but prefer print	11/7/2016 10:18 AM
1467	I don't like the digital version.	11/7/2016 10:17 AM
1468	Digital is the best option considering costs!	11/7/2016 10:17 AM
1469	The hard printed edition is handier to browse & read at leisure and requires no laptop or desktop computer, internet, etc. I also find a printed copy easier and preferable to read in comparison to reading from a screen.	11/7/2016 10:17 AM
1470	I get 200emails a day at times between work and home . I delete stuff just to manage. My print copy is there when I need it, I share it, read it, use it for my bird cage or flag articles for later. I'm old generation.	11/7/2016 10:17 AM
1471	please delete my name from your mailing list for the Engineering Dimensions.	11/7/2016 10:17 AM
1472	Another advantage of the digital version - It saves money, if nothing else postage costs are much lower. There is nothing wrong with saving money.	11/7/2016 10:16 AM
1473	Two P.Eng in household so currently getting 2 paper copies. Would like to receive only one copy.	11/7/2016 10:16 AM
1474	Increase coverage of what goes on in the local chapters.	11/7/2016 10:15 AM
1475	Enjoy receiving Engineering Dimensions and reading it. Thanks	11/7/2016 10:15 AM
1476	With the digital version, the motivation to visit the site, open and read was extremely low. The thought of "can always read it later" was dominant, which led to not going there at all.	11/7/2016 10:15 AM
1477	To reduce costs a less frequent edition (bimonthly or quarterly) would be quite acceptable to me.	11/7/2016 10:15 AM
1478	I anticipate to see more articles related to the contribution or impact of engineering on our economy in light of major infrastructure projects proposed by both provincial and federal governments in the future.	11/7/2016 10:15 AM
1479	Save trees, go digital.	11/7/2016 10:14 AM
1480	It is not just me reading the magazine. Visitors or house guests can read it too. This will arouse interests in potential engineers to understand more about the profession and apply for membership.	11/7/2016 10:14 AM
1481	At 71 years of age, I am and will remain a print person the rest of my life. I never refer to the digital versions for my other organizations that have digital only, therefore I loose complete touch with them. Regards.	11/7/2016 10:14 AM
1482	Want to keep getting the print version but also would like to access the digital version online and archive to save a PDF copy when needed.	11/7/2016 10:13 AM
1483	I live in a household with 2 practicing professional engineers. We only need one print copy of the magazine but apparently there is no way to request this (we have tried) so to save on paper I request the digital version.	11/7/2016 10:13 AM
1484	I was receiving the digital version before and prefer it to the hard copy which is a waste of paper and natural resources.	11/7/2016 10:13 AM
1485	I like to share the print edition with others especially students.	11/7/2016 10:13 AM
1486	I like reading Engineering Dimensions in Print copy. I do like referencing the older material as I need to online.	11/7/2016 10:13 AM
1487	.	11/7/2016 10:12 AM
1488	I think you should move to dated blog format where folks will only read if they see value. You can also have links in current articles that connect to past articles.	11/7/2016 10:12 AM
1489	As engineers we're supposed to be on the cutting edge of technology, the fact that our news is delivered in print is embarrassing. Not to mention the fact that it's environmentally irresponsible. How can PEO expect to be relevant to young and the next generation of engineers if the news is delivered in the a dying, unsustainable medium! It's beyond short sighted and willfully ignorant. This decision should have been made 5 years ago, if not longer.	11/7/2016 10:12 AM
1490	To check if the person is alive & is interested to receive the ED.	11/7/2016 10:12 AM
1491	For the few times I read this, I would far rather have the digital version rather that wasting the money needed to ship the printed version.	11/7/2016 10:11 AM

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1492	I know that holding a hard copy in hands is completely different than digital but with the current fast life style, I don't have the time to sit down and read as before. I need to access it on my computer or my cell.	11/7/2016 10:11 AM
1493	I can carry the print version around and when I have time to read I can casually (not rushed) take time to appreciate/digest the articles.	11/7/2016 10:11 AM
1494	I wish not to receive Engineering Dimensions.	11/7/2016 10:11 AM
1495	For every publication that I receive, digital replicas of physical magazines are hard to read, so much so that sometimes I just don't bother. Maybe there is a good way to provide digital content, but it hasn't arrived yet.	11/7/2016 10:11 AM
1496	please only send digitally	11/7/2016 10:10 AM
1497	Maybe move to a bi-monthly format	11/7/2016 10:10 AM
1498	I am retired. I no longer wish to receive any version of Engineering Dimensions.	11/7/2016 10:10 AM
1499	Limited time	11/7/2016 10:09 AM
1500	Please switch to digital to save cost. Increase of membership fee is not the default option to address \$ issues.	11/7/2016 10:09 AM
1501	Digital Version is easy to submit to others in the office that may not receive a copy.	11/7/2016 10:08 AM
1502	Prefer printed copy	11/7/2016 10:08 AM
1503	It's high time I switch to the digital version.	11/7/2016 10:08 AM
1504	Short articles on advances in engineering and technology would be appreciated.	11/7/2016 10:08 AM
1505	Please move to digital	11/7/2016 10:07 AM
1506	This is the way I look at this - everything comes down to how I use my most limited resource - time. I receive the print version - I give myself 2 minutes to scan the entire print copy to identify anything of interest to read. I read what is of interest, or put those items on my reading list - then I recycle the document. I just wouldn't go to an online microsite because I don't think I would be able to routinely go through the document in 2 minutes to scan for useful content. I am also a member of the OIQ - their delivery is online - and I never access it. Just my opinion - the printed version works better for me, and I appreciate it.	11/7/2016 10:07 AM
1507	I don't read it so would not miss it if you stopped sending it.	11/7/2016 10:06 AM
1508	Print version gets lost in mail too often.	11/7/2016 10:06 AM
1509	So many hours seated in front of a screen . . . every day. It's pleasant to relax on the sofa and read print material.	11/7/2016 10:06 AM
1510	Keep up the good work!	11/7/2016 10:05 AM
1511	Should make digital default method of delivering issues, save on paper	11/7/2016 10:05 AM
1512	i read the paper magazine as a break from staring at a computer display all day. too much of my time is already spent in front of a screen.	11/7/2016 10:05 AM
1513	my eyesight is not so good. it is ok for e-mails and reasonable length articles, but full length publications are too tiring and I don't try to read them.	11/7/2016 10:05 AM
1514	N/A	11/7/2016 10:04 AM
1515	Na	11/7/2016 10:04 AM
1516	I have only received the printable version. I did not know a digital version was available. I would definitely prefer to have access to the digital version.	11/7/2016 10:04 AM
1517	I am more senior and love just reading it with a cup of coffee or just before I go asleep	11/7/2016 10:04 AM
1518	Old School. Preference to touch something I pay for.	11/7/2016 10:03 AM
1519	Thank you for your efforts.	11/7/2016 10:03 AM
1520	N/A	11/7/2016 10:03 AM
1521	I like my Peo magazine to remain in the print version.	11/7/2016 10:03 AM
1522	I keep the print the editions on my shelf for a few years. easier to read and no batteries or power required.	11/7/2016 10:03 AM
1523	print version of engineering dimensions, are really good, any one can read one at a time, and can keep it as record, and at my convenient location, time, position, no need to have internet, which is costing,	11/7/2016 10:03 AM
1524	As an engineer, I think that we should consider the environment. I prefer to receive digital version to save trees.	11/7/2016 10:03 AM

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1525	Personally, I prefer to have hard copy of Engineering Dimensions because I can read it as a magazine. It can be enjoyable relaxing time when I read the hard copy. I don't like spend more leisure time on the computer or cell phone after I sit in front of computer all day.	11/7/2016 10:03 AM
1526	No comments	11/7/2016 10:02 AM
1527	I found that I just didn't read the digital version. I know it was there, but just never bothered. The paper copy is on my desk and can pick it up and read it when I need a break.	11/7/2016 10:02 AM
1528	Thanks for a great reading and information!	11/7/2016 10:02 AM
1529	We need forum for engineers, it may already exist and I do not know. Cheers,	11/7/2016 10:01 AM
1530	No comment of value available.	11/7/2016 10:01 AM
1531	Many studies have shown that print provides a better learning experience. Also, print is made from renewable and recyclable resources.	11/7/2016 10:01 AM
1532	PEO is a regulatory body, not advocacy. Eng Dimensions should therefore be concerned with regulation only - the blue pages. The rest of the fluff in is advocacy and is the domain of OSPE.	11/7/2016 10:01 AM
1533	Keep doing what you are doing, well done.	11/7/2016 10:00 AM
1534	If you want us to read this, give us a reason why? The same old same old wont do it anymore. If you want us to follow do not be boring. No one follows boring leaders!	11/7/2016 10:00 AM
1535	Archiving the issues is required in the website but a digital version can be discussed if it reduces the membership fees to the members or provide other benefits.	11/7/2016 10:00 AM
1536	I like the print version because I can easily expose my sons and grandchildren to it. I can also mark it up to easily find articles of special interest to me.	11/7/2016 10:00 AM
1537	I'm not much interested since I'm retired, and read more golf magazines than ED.	11/7/2016 9:59 AM
1538	Lower the Dues and do on make a publication	11/7/2016 9:59 AM
1539	None	11/7/2016 9:59 AM
1540	At this time it appears to be reasonable	11/7/2016 9:59 AM
1541	Appreciate the ability to share articles with my peers - easier to do by forward/copying from the magazine. I hope there is no copyright issue.	11/7/2016 9:58 AM
1542	I don't end up reading the digital edition. It gets lost in email.	11/7/2016 9:58 AM
1543	Thank you	11/7/2016 9:58 AM
1544	I may be old fashioned, but I find I already spend too much time on the computer, so a print edition is a welcome change.	11/7/2016 9:58 AM
1545	I am OK on print or digital	11/7/2016 9:58 AM
1546	Digital version has been excellent in the past.	11/7/2016 9:58 AM
1547	Switching to print as a default in 2016 was, sorry to say, a terrible idea. Offering the print for those that want it, fine, but defaulting to it seems like a very "un" engineering approach.	11/7/2016 9:58 AM
1548	Digital copy is searchable.	11/7/2016 9:58 AM
1549	If you are going to keep dealing with internal organization news, stop issuing the magazine. You are wasting everyone 's time and money. Put some valuable engineering news please.	11/7/2016 9:58 AM
1550	It is nice having the "Engineering Dimensions" ... print and digital.	11/7/2016 9:58 AM
1551	We have two professional engineers living at the same address (married couple). It's a waste to get two print copies every time. How about one digital and one print ?	11/7/2016 9:57 AM
1552	Just make it digital and save money and the environment. If people want print, charge them extra.	11/7/2016 9:57 AM
1553	I admit to being old school with my preference for reading printed media. However, I am also concerned with what I consider to be an unhealthy emphasis on the use of screen displayed media. Rapid communication and cost savings have there place but these need to be balanced in favour of the personal well-being of those exposed to it.	11/7/2016 9:57 AM
1554	Please keep the print edition. I'm old and set in my ways. Thank you.	11/7/2016 9:56 AM
1555	Just keep sending me the print version.	11/7/2016 9:56 AM

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1556	Do whatever is cheapest for the members. I'd much rather have a freely available, comprehensive salary survey (like APEGBC does) than the magazine.	11/7/2016 9:56 AM
1557	I am ok with the digital version, but I read more if it is a print copy.	11/7/2016 9:56 AM
1558	I would REALLY appreciate if you could include a web link in the email notification that allows direct downloading of the PDF version. I read the digital version from my iPad but I prefer to read it offline (e.g. during a flight). At the moment, accessing the PDF version is very cumbersome as I have to open the online version first then click download to do so.	11/7/2016 9:56 AM
1559	Please provide the option to opt of altogether.	11/7/2016 9:55 AM
1560	Please it is also about the content, there are many interesting projects, situations, innovation, that ought to be published.....	11/7/2016 9:55 AM
1561	Get me digital copy and lower my yearly fees Thank you	11/7/2016 9:55 AM
1562	Since I travel a lot it is very useful to access the Dimension at any time,anywhere and at my leisure, I could read	11/7/2016 9:55 AM
1563	More items of general Engineering interest - tends to be very dense and over-bureaucratic, with internal politics which may not be of much value to many?	11/7/2016 9:55 AM
1564	pls send it digitally	11/7/2016 9:54 AM
1565	Since I only get the digital version, the print questions seem irrelevant ?? I prefer the print but digital saves paper.	11/7/2016 9:54 AM
1566	I like print for its ease of reading but would like to be environmentally friendly and stick with digital.	11/7/2016 9:53 AM
1567	If I don't see the magazine. I won't remember it.	11/7/2016 9:53 AM
1568	Digital on-line option is much more convenient to use. The website is well organised. I am strongly recommending to switch to digital from printed.	11/7/2016 9:53 AM
1569	Go digetal	11/7/2016 9:52 AM
1570	The socially responsible version would be digital. I thought Canada was ahead of the US in that regard.	11/7/2016 9:52 AM
1571	Why would you go back to paper with the added costs of creation, mailing and disposal? I have a routine in the morning of reading emails and attachments on the laptop which I have found is most convenient and where I can catch up on important information from which to make plans and send responses. Thanks for your enquiry. Stan Iszkula	11/7/2016 9:52 AM
1572	Don't even hesitate. Just make it digital.	11/7/2016 9:51 AM
1573	Please don't get rid of the print version. It sits on my desk corner and people that walk by my desk (not even engineers) see it can leaf through it. This is free advertising for the profession.	11/7/2016 9:51 AM
1574	a major advantage of digital version is the ability to quickly find what you're looking for via word search.	11/7/2016 9:51 AM
1575	If you send me a digital magazine it gets buried in my email and I never get around to reading it. This is true for all digital magazines / newsletters I am sent. When you send me a paper copy it sits on my desk and I pick it up when I have A free moment. If you switch to digital only I will never read it.	11/7/2016 9:51 AM
1576	thank you	11/7/2016 9:51 AM
1577	While in many ways I prefer the printed version, I appreciate that it is substantially less expensive to distribute the digital version.	11/7/2016 9:51 AM
1578	It would be very helpful if "Engineering Dimensions" could be marketed more between members. For instance, 10 mins presentation in the license presentation ceremony. This could be very effective in introducing the magazine to new licensed members and encouraging them to publish with it.	11/7/2016 9:51 AM
1579	keep up the good work!	11/7/2016 9:50 AM
1580	PRINT Edition please.	11/7/2016 9:50 AM
1581	Keeps me abreast with current topics.	11/7/2016 9:50 AM
1582	Thanks for the good work	11/7/2016 9:49 AM
1583	nil	11/7/2016 9:49 AM
1584	Give me discount on annual membership I will think about digital	11/7/2016 9:49 AM
1585	app (ios and android) may be better way	11/7/2016 9:49 AM
1586	Please try and include more information about new innovations	11/7/2016 9:49 AM

Engineering Dimensions Mini Survey

1587	The print copy is easy to browse with a snack, in front of a ball game. Digital tends to be at one sitting at the computer and more like 25% of material - selective. I prefer both to be available however could live with digital only.	11/7/2016 9:49 AM
1588	I prefer the digital version as it is more environmentally friendly and does away with mailing cost that is associated with the print edition.	11/7/2016 9:49 AM
1589	generally interesting and informative articles and especially the blue pages	11/7/2016 9:49 AM
1590	I wish to keep receiving the PRINT edition. Glenn Hodge	11/7/2016 9:48 AM
1591	What is this microsite you talk about?	11/7/2016 9:48 AM
1592	Did not know there was a digital copy available. Receiving it in print feels nice, however it's not environmentally friendly so it's probably best to just stick to digital. Maybe a year-in-review printed copy would be best, minimizing waste while still providing that old look and feel.	11/7/2016 9:48 AM
1593	I get so much email that I don't even open all of it. Several of my IEEE subscriptions are digital and I never get to them. I try to arrange print versions of the things that I consider to be really important because I can take them to work where personal electronic devices are prohibited due to information and cyber security policy.	11/7/2016 9:48 AM
1594	I have not accessed the digital version but I do prefer the digital version.	11/7/2016 9:47 AM
1595	I assume the cost of printing, mailing, and record keeping for a paper copy is substantial, that is my main reason for asking for the digital version.	11/7/2016 9:47 AM
1596	I feel overwhelmed by the amount of digital content that is coming at me from all directions. My default position has become delete, because I can't possibly archive and sort all of the material that is relevant to me. I also become saturated with screen time, so I really on print materials to give a much needed break. I retain materials that I have read in print, and retention leads to making connections, the ultimate purpose of knowledge. I just noticed that CDN Tire has created a high-quality catalogue and sent it door-to-door for the first time. I hope this means that the war on print is officially over, and that society is beginning to realize that digital has a vital place in the diffusion of information, but its over-use is a detriment. We need to have a relationship with content, much like we do with people, and digital does not foster a relationship.	11/7/2016 9:47 AM
1597	I have not been getting the paper version. I would much prefer that so will check into that now that I know it is available. Much easier to browse than the digital version. I stopped even trying.	11/7/2016 9:47 AM
1598	I actually prefer print, but going forward, digital is needed. Save on paper, space and storage	11/7/2016 9:46 AM
1599	I was planning to call in to cancel it. I'm so glad you have an e-version. Much better for the environment! Thank you for reaching out :-) and making positive changes!	11/7/2016 9:46 AM
1600	I still want my print version. You changed to digital and I never read it AND my fees didn't go down. Digital should be less cost.	11/7/2016 9:46 AM
1601	Retired now so not as relevant as before	11/7/2016 9:46 AM
1602	Keep printing, I rarely even noticed that the digital version was available. We all deal with too much electronic correspondence.	11/7/2016 9:46 AM
1603	Rather not receive it at all, but at least the print edition makes good kindling and keeps the post office in business.	11/7/2016 9:46 AM
1604	I am retired and feel somewhat guilty about the cost of the print version, since I don't read a lot of it. On the other hand, I am somewhat overwhelmed by my digital input and am more likely to pick up and browse the print copy than to seek out and read the digital version. Thank you for asking.	11/7/2016 9:46 AM
1605	This survey seemed confusing as I have been receiving the digital version for a while now. I like the paper version but the digital version is more practical and I can access from where ever I am as I usually have access to the internet.	11/7/2016 9:46 AM
1606	Honestly, I am young, digitally savvy and environmentally conscious. But when the magazine is digital, I don't read it at all. I spend enough time in front of the computer thank you very much.	11/7/2016 9:45 AM
1607	Retired so only read what is of interest. Have a hard time reading magazines and such on line. On-line, won't read it at all!	11/7/2016 9:45 AM
1608	We can save papers by having digital copies and it will easier to archive them.	11/7/2016 9:44 AM
1609	Thank you for bringing back the print copy as I never bothered to view the electronic one. Much appreciated!	11/7/2016 9:44 AM
1610	Please switch to digital version for me	11/7/2016 9:44 AM
1611	I'd just as soon not get the magazine - in any format.	11/7/2016 9:44 AM
1612	I prefer print edition but given the price to print and send I would chose digital. I think everyone should get digital except if they ask specifically for printed	11/7/2016 9:44 AM

Engineering Dimensions Mini Survey

1613	Both print and digital have their place. One big strength of the digital version not listed in question seven above ("What do you like about the digital version?") is search-ability. You can't "Ctrl+F" on a hardcopy, making finding things by keyword a manual, time-consuming process.	11/7/2016 9:44 AM
1614	I am retired and it is easier to use the print version. The future generation will probably not have that preference for the print version.	11/7/2016 9:44 AM
1615	Would like to read the PRINT VERSION.	11/7/2016 9:44 AM
1616	Thank you for highlighting the text-based microsite. A link to that should be included in the email we get notifying us of a new issue of Engineering Dimensions. Oh, and THANK YOU for a short survey (many, many surveys these days are way too long).	11/7/2016 9:44 AM
1617	No one prints any more. Go digital.	11/7/2016 9:44 AM
1618	Access to achieved issues of Engineering Dimensions and ability to search in past version is very useful	11/7/2016 9:44 AM
1619	I tended to ignore the emails with a link to a PDF until it was buried in my inbox and forgotten. I receive emails from other publications with brief summaries and links to the full articles, which I find more convenient as I can quickly browse and open the links that interest me.	11/7/2016 9:44 AM
1620	Make digital the default and save some money	11/7/2016 9:43 AM
1621	Keep the print going. The trouble with digital is that it get lost in the hundred of E-mails we get each day. We already spend way too much time in front of computer screens.	11/7/2016 9:43 AM
1622	A graphic designer should be hired to produce a more readable layout for both the print and digital copy. The print copy could be improved if it looked nicer, but above all, easier to read. Architecture publications: their look and feel, should be our benchmark as I would rather read those than our own publications simply from the ease of reading them.	11/7/2016 9:43 AM
1623	I would like to see more topics related to numerous violations against Engineering Act. More examples of successful outcome when engineers act accordingly to the Act and the regulations. I would like to see more topics that will help engineers continuous education in terms of understanding their role in the society according to the Act.	11/7/2016 9:43 AM
1624	Go digital and save \$\$\$\$\$!	11/7/2016 9:42 AM
1625	Almost all communications are digital nowadays.	11/7/2016 9:42 AM
1626	continue with the print edition	11/7/2016 9:42 AM
1627	Surveys show that readership drops by 25% when there is a switch to digital.	11/7/2016 9:42 AM
1628	Stop wasting our dues on these idiotic surveys. Just offer digital. We are in a digital age. Also try spending or fees finding unity with other Provincial PE societies so that we can collectively take back our right to authorize regulated mechanical designs for construction. Every year billions of dollars and thousands of jobs are lost due to safety authority incompetence, efficiency, and ignorance in the false name of safety. Every engineer whether employed by the TSSA, ABSA, BC safety authority etc.. or not have the same responsibility to protect the public. Putting design approval authority solely in the hands of these so called authorities is killing our economy and squandering the incredible wealth of engineering experience of professional engineers world wide and across Canada who do not happen to have been employed by the safety authorities. This is just one problem. The other is the safety authority's unfair competitive activities with the private sector. Fucking focus guys. Our country is going to shit you fucking tossers and you PEO woosies are on the titanic rearranging the deck chairs.	11/7/2016 9:42 AM
1629	how often is it mailed? I do not seem to receive it very frequently.	11/7/2016 9:41 AM
1630	N/A	11/7/2016 9:41 AM
1631	I recommend the default being digital, with hard copy on request. This approach saves money and the environment. Mostly money.	11/7/2016 9:41 AM
1632	How do I switch to digital?	11/7/2016 9:41 AM
1633	I would prefer you save money and not bother with the publication at all. It doesn't provide any tangible value to its users. The only purpose of it seems to be the "blue" section in the middle used for public disclosure of offending parties. There must be a simpler way to do this like a special blog/website.	11/7/2016 9:41 AM
1634	A good, easy-to-navigate digital version is preferred to the print version.	11/7/2016 9:41 AM
1635	Please switch back to digital only.	11/7/2016 9:40 AM
1636	The digital version arrives in a email that is easy to ignore. At least the print version shows up in the mail, and I am more likely to look at it.	11/7/2016 9:40 AM

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1637	No comments at this time.	11/7/2016 9:40 AM
1638	no comment	11/7/2016 9:40 AM
1639	Na	11/7/2016 9:40 AM
1640	Satisfactory	11/7/2016 9:40 AM
1641	Maybe you could consider disciplines other than civil engineering as a constant diet. To be at the of top passenger rail/transit business requires one to be multi-disciplined!	11/7/2016 9:40 AM
1642	Would be willing to go digital if PEO commits to keep making that version better for reading and content.	11/7/2016 9:39 AM
1643	Only prefer the digital edition if it is either PDF or a form where I control window size and zoom. If it is that service which insists on going full screen as soon as I open the issue, I do not want the digital edition.	11/7/2016 9:39 AM
1644	Digital is fine - now retired, limited interest	11/7/2016 9:39 AM
1645	I like the portability and flexibility of the print version.	11/7/2016 9:39 AM
1646	i prefer the print version but if the digital version means significant environmental savings I'm good with that.	11/7/2016 9:39 AM
1647	Having tables, pictures , easy too see is a major advantage.	11/7/2016 9:39 AM
1648	There is a higher chance of me reading a print edition than a digital edition of any periodicals because I don't want to sit in front of a computer reading periodicals at home as I sit in front of a computer all day.	11/7/2016 9:39 AM
1649	I am 90% retired. Not impressed with much of what PEO does. In particular the discipline process is better but still extremely flawed.	11/7/2016 9:39 AM
1650	its too verbose, too much journalistic bumf. Its although staff are trying to fill up the pages.	11/7/2016 9:39 AM
1651	I favour getting rid of the paper issue.	11/7/2016 9:39 AM
1652	It's easier to leaf through the print version to find articles that pertain to the individual. It just to hard to do that on the digital version which I believe causes people to just not read any of it at all.	11/7/2016 9:39 AM
1653	Although digital is nice and more environmentally friendly, the print version can be read anywhere. One desn't have to worry about seeing the screen in bright sun, or ruining a tablet with water splashing on it from the pool etc. I can read it in bed more comfortably and don't have to worry about falling asleep and letting the table fall on the tile floor.	11/7/2016 9:39 AM
1654	I would always prefer the print version	11/7/2016 9:38 AM
1655	I don't know why you have all the engineering cases in there. If people really want to read the regulatory actions, I would put in a link for folks to do that. Otherwise, it seems a waste of paper and magazine time.	11/7/2016 9:38 AM
1656	I don't generally read the magazine, so the cost involved with the print version is likely not warranted for me. Digital would at least reduce costs, I'm not sure it would increase my use.	11/7/2016 9:38 AM
1657	I expect your survey will reveal an age-related preference - perhaps there are two right answers here.	11/7/2016 9:38 AM
1658	I do not & will not read the digital version... too many e-mails.	11/7/2016 9:38 AM
1659	Continue with Print version.	11/7/2016 9:37 AM
1660	Save a tree! Digital Please!	11/7/2016 9:37 AM
1661	I enjoy having something to read away from my computer. Too much that I need to read is only available online.	11/7/2016 9:37 AM
1662	I have the print version with me when I'm places ... waiting for someone, coffee shop, etc. I will actually read it this way. I get hundreds of emails and spend significant hours weekly in front of the screen ... the last thing I'm looking to do is spend more (often with poor read-ability factor) off hours. Print all the way for me please.	11/7/2016 9:37 AM
1663	I don't: like creating or dealing with waste. Another reason to like the digital edition.	11/7/2016 9:37 AM
1664	I am unable to access the digital copy of the magazine.	11/7/2016 9:37 AM
1665	Default should be digital!!	11/7/2016 9:37 AM
1666	I always look forward to reading it in print.	11/7/2016 9:37 AM
1667	This publication must include a wide variety of career opportunities available in Ontario for Engineers.	11/7/2016 9:37 AM
1668	Printed work is a pull technology. It remains in my face until I either toss it or file it. Being in front of a computer 8-10 hours a day, it is nice to not add more time to that.	11/7/2016 9:37 AM

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1669	I'm very honest in saying that I really want to regularly spend time reading the print version of Engineering Dimensions but I just do not have the time.	11/7/2016 9:37 AM
1670	It gives lot of latest information	11/7/2016 9:37 AM
1671	I like the option of everyone choosing which they way they want to receive the magazine rather than one size fits all.	11/7/2016 9:36 AM
1672	Make it more interesting	11/7/2016 9:36 AM
1673	Digital is much preferred.	11/7/2016 9:36 AM
1674	We keep the hard copy of Engineering Dimensions in our lobby/waiting-area for guests to read	11/7/2016 9:36 AM
1675	None	11/7/2016 9:36 AM
1676	I think that the default should be digital so that PEO is supporting a greener environment.	11/7/2016 9:35 AM
1677	Please keep producing both, some will like print some will like digital, makes more sense not to deprive few of what they love.	11/7/2016 9:35 AM
1678	To help explain my reaponse I am 86 years old	11/7/2016 9:35 AM
1679	The print version is also eco-friendly	11/7/2016 9:35 AM
1680	I'm so glad you switched back to mailing the print version. I found the digital version very user-unfriendly and after many attempts gave up on reading it, whereas with the print version I had previously looked at the whole magazine and read quite a bit. Now that you are sending the print version I will be able to do this. I think this magazine is important for the profession so that members are aware of what is happening.	11/7/2016 9:35 AM
1681	the digital version cuts PEO's costs and is environmentally friendly.	11/7/2016 9:35 AM
1682	Should be digital by default and printed on request until not enough demand justifies to print at all.	11/7/2016 9:34 AM
1683	None	11/7/2016 9:34 AM
1684	Why not suggest the option of switching when you send out the license renewal requests?	11/7/2016 9:34 AM
1685	We need to face it, the online access is the natural step.	11/7/2016 9:34 AM
1686	I find that I remember more from material read from a paper copy than read online.	11/7/2016 9:34 AM
1687	If the majority of members prefer the digital version, I would be flexible to switch over to the digital. I believe that from a perspective of not generating unnecessary paper, I can support the digital. I would be more inclined to switch if I were to receive a clear email indicating when and where the new editions are available. I love the Engineering Dimensions magazine and your content always has interesting topics.	11/7/2016 9:34 AM
1688	I am now retired, so do not now really get involved in engineering issues. I will look at the website.	11/7/2016 9:34 AM
1689	When I received digital version I simply deleted it with out trying to read it on line.	11/7/2016 9:34 AM
1690	Among the organizations to which I belong, I have yet to find one good implementation of a digital version of their magazine or newsletter. They are consistently slow, awkward to use, and of poor resolution. Until fibre optic networks and ultra high definition displays become the norm, the digital versions have no hope of competing against the paper versions. A possible exception is if the digital versions stop trying to be online reproductions of their paper counterparts, and instead are built in a manner that is optimized for digital consumption.	11/7/2016 9:34 AM
1691	Just got never used to the digital version	11/7/2016 9:33 AM
1692	I would prefer the Digital Edition in the future for DIMENSION magazine. Thanks.	11/7/2016 9:33 AM
1693	Making the magazine digital only must be cheaper. However, for me, a digital format works for short bursts of information but I stop reading any longer form communication that is delivered digitally.	11/7/2016 9:33 AM
1694	Receiving the digital OR the print versions should be kept as an option.	11/7/2016 9:33 AM
1695	he digital version along with a monthly reminder how to view earlier/archival issues would save costs and be sufficient.	11/7/2016 9:33 AM
1696	I always skip articles about events and awards. I skip most stories about PEO governance since it is of little interest to me unless important changes are contemplated. But, I always read stories about regulations and other legal matters.	11/7/2016 9:33 AM
1697	I enjoy reading the magazine while flying (and not online). I suspect if only the online version is offered, I will read the magazine much less often, possibly not at all.	11/7/2016 9:33 AM
1698	I just checked the new microsite and believe that that is a better, easier to read, solution than the digital version, except that one needs internet access to stream/read the document, which means I still need to download the digital edition when I travel (often to areas without wifi or cell service).	11/7/2016 9:33 AM

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1699	The printed edition of Engineering Dimensions, travel without a laptop, together with the text-based microsite which I utilize at home are the best combination for me. I am prepared to pay a nominal fee (perhaps \$10 to \$20 per year) to cover any shortfalls on production/mailling costs.	11/7/2016 9:33 AM
1700	I would prefer the digital version	11/7/2016 9:32 AM
1701	I would rather not receive this magazine. I don't read it. If I need to read it I can do so at the office.	11/7/2016 9:32 AM
1702	the letters to the editor should be up-front like they are with almost every other publication that values their readership. (ie: time, economist, boys'life)	11/7/2016 9:32 AM
1703	Thank you.	11/7/2016 9:32 AM
1704	Stop sending anything	11/7/2016 9:32 AM
1705	Make the magazine more engaging and exciting. Print is too small and too much information. Condense the articles and a make them more colourful. Place advertisers on proper pages relevant to articles. Make cover more inviting less structured.	11/7/2016 9:32 AM
1706	Although I really like the print version, I have trouble justifying the cost of printing and mailing something that barely gets read 25%of the time. Old timers like me (60+) need to get with the newer technologies whether we like it or not.	11/7/2016 9:32 AM
1707	Important outreach, involvement and update for members	11/7/2016 9:32 AM
1708	Going back to print was not a good idea. Also just a note that engineering fee is almost double of what nurses paying. While average salary of nurses are very higher than engineers in Canada. I believe our association dead not handling the fees correctly. Our association need to think out of the box and proactive not stepping back ward.	11/7/2016 9:32 AM
1709	I hope the results of this survey will be shared with everyone. I would be curious to know how the preference for print vs. digital is affected by demographics: age and location (rural vs. urban). I would for another not-for-profit that is facing the same dilemma with its bi-monthly newsletter. Thanks, Gordon Griffith ga.griffith@sympatico.ca	11/7/2016 9:32 AM
1710	go digital	11/7/2016 9:31 AM
1711	Engineering Dimensions should focus more on chapters.	11/7/2016 9:31 AM
1712	I like the print version.	11/7/2016 9:31 AM
1713	Looking for having iOS application for the publication	11/7/2016 9:31 AM
1714	I have a tablet with many documents on it but when it comes to any magazine, the print version is so much easier to flip through to pages that get your attention. Also no real worries about spilling a cup of coffee over it.....	11/7/2016 9:31 AM
1715	I will try access the micro site.	11/7/2016 9:31 AM
1716	Physical Copy is a good reminder to read it. I get so much email that an email reminder just falls with the 100s of other ignored emails.	11/7/2016 9:30 AM
1717	No longer practicing Engineering so no need to read other than casual interest.	11/7/2016 9:30 AM
1718	NA	11/7/2016 9:30 AM
1719	Would prefer the digital version	11/7/2016 9:30 AM
1720	having both, print and digital, for sometime could be good solution. i am confident that in couple years all publications will go mostly in digital format	11/7/2016 9:30 AM
1721	save a tree. don't mail me a hard copy.	11/7/2016 9:30 AM
1722	I am old and a creature of habit so I do prefer the print version, however, if I am told that for cost reasons it will no longer be available I will accommodate to the digital version.	11/7/2016 9:30 AM
1723	Would be great if PEO could put all its functions online and get rid of the paper - for example, Certificate of Authorization renewals. Thx.	11/7/2016 9:29 AM
1724	I have no problem with digital versions but I just don't/won't read Dimensions unless it comes across my desk.	11/7/2016 9:29 AM
1725	I much prefer to print version but digital is very convenient when traveling. Also, the microsite is very good! Thank you!	11/7/2016 9:29 AM
1726	Thanks for your attention.	11/7/2016 9:29 AM
1727	I'm sure it is a fine publications for those in the profession that care but I don't have the time nor the inclination to read it.	11/7/2016 9:28 AM
1728	New website looks great!	11/7/2016 9:28 AM

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1729	Prefer the print version .	11/7/2016 9:28 AM
1730	today everything is digital. I like to read paper version too.	11/7/2016 9:28 AM
1731	PEO should demonstrate leadership in technology and environmental concern. What possible argument was made to force a print version on everyone?	11/7/2016 9:28 AM
1732	The digital version could be formatted to fit the screen better. Totally eliminate sideways scrolling.	11/7/2016 9:28 AM
1733	A hard copy is always preferred as it can be brought everywhere without all of the electronic version hang-ups, i.e need some type of electronic device, internet access, batteries charged, and so on. Can also view multiple pages, on a hardcopy, in any order, which is not possible on an electronic version. I guess that I am old school and like to have my reading material as tangible.	11/7/2016 9:28 AM
1734	I think you have an old address as I haven't received any print versions. My preference would still be for digital.	11/7/2016 9:27 AM
1735	Digital magazines seem to get lost in the chaos of email. Paper magazine actually gets read by me since it sits on the table and I am naturally reminded to read it.	11/7/2016 9:27 AM
1736	None at this time.	11/7/2016 9:27 AM
1737	none	11/7/2016 9:27 AM
1738	I found the text based microsite dull because photos/graphics are limited. I tend to read ED at the end of the day and after being on "screens" all day appreciate the hand held copy. Easier on my eyes.	11/7/2016 9:27 AM
1739	I don't think I receive either the print or digital version - but I would always prefer a digital version (I can print it if I need to and it saves money, energy and the environment otherwise)	11/7/2016 9:27 AM
1740	Prefer print since I live in a limited internet access area.	11/7/2016 9:26 AM
1741	Research has indicated memory retention of print is more than digital. Keep the print, please.	11/7/2016 9:26 AM
1742	I like the printed version very much. It is useable and I can read it anytime and anywhere without computer requirement.	11/7/2016 9:26 AM
1743	I would like more of the political dimension. I don't feel we get the respect we should in matters of public policy. The presence of so many Liberal Government appointees to me says they believe we are not fit to govern ourselves. We need to discuss how to turn this around. OCEPP is gone. And OSPE schmoozing with Ontario politicians does not seem to have done the job.	11/7/2016 9:26 AM
1744	Being older, I prefer a magazine or newspaper which I can hold, relax and read in comfort. I am sure that younger people prefer digital formats as their lifestyle is based on gadgets.	11/7/2016 9:26 AM
1745	I do like digital magazines if I have to buy them because they are cheaper than paper copies. However I enjoy the paper version of Engineering Dimensions and usually read it right away when it arrives by mail. When the digital version arrived (email notice, etc.) I was usually to busy at work and so just filed the copy away in an online folder and never did get around to reading the digital copy. For the same reason I still prefer paper copies of my monthly bills. So in summary, I've tried both the paper and digital versions of E. D. and found that I read the paper copy while I ignored the digital copy.	11/7/2016 9:26 AM
1746	I didn't know I could switch to digital - I will do so now!	11/7/2016 9:25 AM
1747	Very informative good magazine!!	11/7/2016 9:25 AM
1748	Lots of Excellent information, thank you	11/7/2016 9:25 AM
1749	I recognize that the digital edition is much cheaper to create and distribute, and it's my money that is being spent. My own engineering organization has gone digital for expense reasons.	11/7/2016 9:25 AM
1750	If the digital version was more usable/readable than the previous incarnation I might want to switch over.	11/7/2016 9:25 AM
1751	It is a very good publication.Well done.	11/7/2016 9:25 AM
1752	It's rare that I find an article that truly interests me. I've read other professional magazines - the CPA magazine comes to mind. I find that they contain more interesting articles. Anyhow, I would prefer to not receive the magazine in print. It just feels like such a waste.	11/7/2016 9:25 AM
1753	Informative	11/7/2016 9:25 AM
1754	Text-based version of Engineering Dimensions is the best way to connect with PEO.	11/7/2016 9:25 AM

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1755	It seems backwards to me that in the 21st century an organization responsible for solving local and global issues, such as the PEO, would switch to making a printed magazine the default. This is a model taken by entities stuck with old models or trying to push sales, and not that of what should be a leading edge, socially and environmentally responsible organization.	11/7/2016 9:25 AM
1756	Digital version has significant cost savings for members.	11/7/2016 9:25 AM
1757	The print version is easy to skim and harder to ignore.	11/7/2016 9:24 AM
1758	I prefer reading the print edition. However, I'm a snowbird and the digital edition follows me down south.	11/7/2016 9:24 AM
1759	I enjoy reading Engineering Dimension	11/7/2016 9:24 AM
1760	Print versions are disappearing even though they are more comfortable to read. Presumably they are more costly to produce and distribute as well.	11/7/2016 9:24 AM
1761	The print version is in the house and available for about a month before being re-cycled. Since it is visible and accessible I will pick it up and read occasionally. The digital version may only get read when I get notice and probably not then.	11/7/2016 9:24 AM
1762	excellent quality mag for the profession.	11/7/2016 9:23 AM
1763	Let's go digital. Thanks.	11/7/2016 9:23 AM
1764	Easy to leave for others to read	11/7/2016 9:23 AM
1765	I believe Digital is the best way moving forward due to convenience and reduction in the user of paper	11/7/2016 9:23 AM
1766	I like the Blue pages, but it always appears that Mechanical or Civil engineers are being prosecuted. Surely, there is equal misconduct in Electrical, Mining, Chemical... who is overseeing those jurisdictions?	11/7/2016 9:23 AM
1767	Print version, please. There's nothing like being able to read a real paper copy.	11/7/2016 9:23 AM
1768	Hate the online magazine format, awkward zooming and scrolling required. Just put it as a PDF or similar.	11/7/2016 9:23 AM
1769	We should be 100% digital and readership will be driven by relevant content for a diverse PEO audience. I'm frankly not sure why we have a magazine anymore, since this could be easily translated into a content driven website with easier access to sections relevant to different audiences. I get all my magazines digitally now, but still mostly consume content online via websites, blogs, etc from all my digital devices. Even the email sending me the digital magazine is not user friendly. I want key summaries of everything included that I can quickly scan and select for more info if I wish. Thanks.	11/7/2016 9:23 AM
1770	I really dislike reading any digital magazine, particularly one using technology like Adobe Acrobat. The performance is poor, the ability to navigate and bookmark places is almost impossible to use and it only gets worse if one is reading on a phone or tablet. Until the reader's experience improves substantially, I will always prefer the paper version of any magazine. I will only look at digital editions for specific articles or when I don't have the paper with me. This is not just an issue with the Engineering Dimensions, I have yet to find an easy to use digital magazine from any publisher. This book is among the best reader interfaces out there -- http://practicaltypography.com/	11/7/2016 9:23 AM
1771	Switching to print was a retrograde and simply dumb idea. I am no greenie, but this was a silly waste of natural and other resources.	11/7/2016 9:22 AM
1772	it is proactive and eco-friendly for PEO to go print-free. way to go!	11/7/2016 9:22 AM
1773	Save Paper, Save Environment	11/7/2016 9:22 AM
1774	Most articles in the magazine do not interest me. In general it is a waste of my time to read.	11/7/2016 9:22 AM
1775	I'm all for cost and environment saving, but I found that I just don't look at the digital version at all, whereas the print version I at least skim through and read a couple articles, oftentimes saving it for when I'm on the go.	11/7/2016 9:22 AM
1776	scrap the magazine altogether and reduce annual dues	11/7/2016 9:22 AM
1777	Assuming the digital versions saves money, I'd rather have the digital version.	11/7/2016 9:22 AM
1778	This is less to do with the magazine itself but with the enforcement section content. Since I've been a member (> 15 years) the only types of enforcement of the code seem to be related to construction. Why doesn't PEO ever focus on enforcing the improper use of the title of Engineer or incompetence in other industries, like high-tech, medical or food production? Doesn't public safety matter as much there? And the value of a P.Eng. designation is not seen the way it used to be. We are a commodity now, not a profession like doctors and lawyers. The pendulum needs to swing.	11/7/2016 9:22 AM
1779	paper copies pile up; only good for recycling	11/7/2016 9:22 AM

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1780	A digital edition, optimized for on the go reading is more commensurate with a profession that should be on the cusp of tech and with a regard to environmental sustainability. We should cease the print version and think about how we create a leading edged digital version. Frankly I am embarrassed as an engineer that we default (or indeed have print at all as an option) to print.	11/7/2016 9:22 AM
1781	I suspect that digital is much more economical to deliver/produce. Should also be a consideration	11/7/2016 9:22 AM
1782	Digital format does not need to match the print format. I don't read electronic documents like print documents. Two columns per page, and cont'd on page xx seem unnecessary in digital format. I dislike having to scroll up, down & over to read electronic format	11/7/2016 9:22 AM
1783	Good Initiative	11/7/2016 9:21 AM
1784	Digital is a lot better. Thanks.	11/7/2016 9:21 AM
1785	I cant recall receiving a digital version.	11/7/2016 9:21 AM
1786	I'm just curious why the print version was made the default again, especially for members that specifically chose to receive the digital. Seems backwards, the digital tree-saving version should be the default!	11/7/2016 9:21 AM
1787	Retired - disinterested.	11/7/2016 9:21 AM
1788	The hard copy is portable and easier to read the print ,can photo copy important information,can make notes on the pages of items for quick references	11/7/2016 9:21 AM
1789	I am a retired P.Eng. but retain my membership to support the profession. While I use the Internet extensively, I don't like reading digital magazines that way. I realize that it is a money saver but old habits die hard and I do appreciate the printed version which I scan for interesting articles and other content.	11/7/2016 9:21 AM
1790	It is complicant - I would like read print version but know digital is the way	11/7/2016 9:21 AM
1791	This was a waste of time. I am a long term retiree and scan a lot of things I used to read in detail. Digital is a low cost thing to pass a few things past my eyes. So one question would have done it for me. "What do you prefer?"	11/7/2016 9:21 AM
1792	To make it more informative	11/7/2016 9:21 AM
1793	When I received the digital version of E.D. I rarely opened it.	11/7/2016 9:20 AM
1794	There are some things better appreciated through the physical aspect. I keep the publications with me at work and share among my fellow peers. I feel the digital edition can get lost in the multitude of emails.	11/7/2016 9:20 AM
1795	Thabks	11/7/2016 9:20 AM
1796	I think print is a dying sector and not environmentally friendly. Might as well get with the times	11/7/2016 9:20 AM
1797	I thought a digital version be better but it's a lot easier to use a print version	11/7/2016 9:20 AM
1798	Fuk the COMPUTER + DIGITAL Overloads !!! Stop pushing them down our throats..	11/7/2016 9:20 AM
1799	Most people will agree they pay more attention to something they handle than a digital link which once passed is unlikely to be looked for again.	11/7/2016 9:20 AM
1800	I think everyone should be given the electronic copies by default and a one time or subscription fee should be implemented for paper copies except for the election information issues. Engineering Dimension is a great publication and the digital copies are very accessible.	11/7/2016 9:20 AM
1801	Although retired, I like to be connected with the profession.	11/7/2016 9:20 AM
1802	If only commenting were enabled for the letters/articles and troll-control like Disqus enabled, we could have engineers involved in discussion of topics of importance to the profession. Something a bit like the Members Forum that PEO seems to want to shut down.	11/7/2016 9:20 AM
1803	The default should be the digital edition. Let people opt-in to the paper version if desired. Many people just throw it out when received, better to save the paper.	11/7/2016 9:19 AM
1804	Our profession should not be seen by the public as supporting print edition; it's definitely not in the public interest.	11/7/2016 9:19 AM
1805	Please keep the printed version	11/7/2016 9:19 AM
1806	Thank you	11/7/2016 9:19 AM
1807	I don't read the content of Engineering Dimensions enough to offset the presumed costs and environmental impact of a print copy.	11/7/2016 9:19 AM
1808	Please go back printed version.	11/7/2016 9:19 AM

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1809	Thanks for choice print vs. Digital. I love print copy.	11/7/2016 9:19 AM
1810	I like the fact that you receive a hard copy magazine, so you just open and read. We receive so much on line today that I don't pay them attention anymore. They are NOT easy to read. Or is too small to read or it is a partial "zoomed" view.	11/7/2016 9:19 AM
1811	CAN YOU AFFORD THE PRINT VERSION ?	11/7/2016 9:19 AM
1812	keep up the good work	11/7/2016 9:18 AM
1813	no comments	11/7/2016 9:18 AM
1814	Personally, I find it easier to read of the printed magazine than from screen.	11/7/2016 9:18 AM
1815	I am happy with the availability of both options. It is recognized that continuing the print edition represents a cost but the benefits justify its retention	11/7/2016 9:18 AM
1816	More engineering; less politics.	11/7/2016 9:18 AM
1817	There are pros and cons for both the paper and digital versions. Both are acceptable, print is easier for me to read as I can sit and relax in an easy chair rather than at my computer desk. I have no portable devices. On another note, I am looking forward to getting the complete and whole story of the engineering investigation on the failure of the Nipigon River bridge.	11/7/2016 9:18 AM
1818	I spend all day staring at a computer. It is nice to look at print in the evenings.	11/7/2016 9:17 AM
1819	I prefer print version.	11/7/2016 9:17 AM
1820	Digital Please.	11/7/2016 9:17 AM
1821	I prefer Print version and I'm 28. Not just the old timers that want it!	11/7/2016 9:17 AM
1822	I found the digital version frustrating, hard to navigate, and hard on the eyes.	11/7/2016 9:17 AM
1823	I found the pages were too slow to load on the digital version.	11/7/2016 9:17 AM
1824	I like having the hardcopy. It seems more likely I will flip through that than a pdf, which will get skimmed at best.	11/7/2016 9:17 AM
1825	I will test the new microsite as soon as I will have access to my PEO account restored.	11/7/2016 9:17 AM
1826	I really like the letters section. It provides unique perspectives on issues that someone has thoughtfully written.	11/7/2016 9:17 AM
1827	I retired 18 years ago. My interest in the magazine is now casual.	11/7/2016 9:17 AM
1828	I wish you would just leave me alone when it comes to emails, surveys, "Engineering Dimensions" and all that.	11/7/2016 9:17 AM
1829	Thank you for asking my opinion. I always prefer printed versions of magazines. I can stop reading when I want, and later start again from where I left off. I can cut out articles that I want to save and keep them in an appropriate file. If I leave the magazine lying in a convenient place, I am more likely to pick it up to read than if I have to search through e-mails, where there are many more distractions.	11/7/2016 9:17 AM
1830	I would like to see job opportunities for EITs, PEng (with 1/2/3/4+ years of experience in Engineering Dimensions. I would like to add here that most of the PEng job opportunities I come across are for Mechanical Structural Engineers/ Civil Engineers, I would like to know about job opportunities for PEng Mechanical Design Engineers in Automotive Sector. Some articles with companies hiring above specific PEng will really work for me and other PEng mechanical design engineers. Thank you for providing an opportunity to share this idea. Regards, Parikshit Shrivastava	11/7/2016 9:17 AM
1831	more articles needed	11/7/2016 9:16 AM
1832	None	11/7/2016 9:16 AM
1833	I would prefer to opt out of Eng Dim altogether and receive a rebate on my dues.	11/7/2016 9:16 AM
1834	I would prefer receiving the digital version of the magazine on a go-forward basis. The impact on the environment is my main concern.	11/7/2016 9:16 AM
1835	I don't find the magazine very interesting compared to the UK IMECHE magazine Professional Engineering	11/7/2016 9:16 AM
1836	I have read the digital version, but I prefer the print version.	11/7/2016 9:15 AM
1837	Switch me over.	11/7/2016 9:15 AM
1838	Print version allows me to share the magazine with other co workers who are not Engineers.	11/7/2016 9:15 AM
1839	go digital!	11/7/2016 9:15 AM

Engineering Dimensions Mini Survey

1840	The print edition comes to my office but does has my name listed as 'null'...we've figured out that it was mine since I was the only person that should receive and didn't have one addressed to.	11/7/2016 9:15 AM
1841	I don't know a single person who reads this. Maybe put the time and money into making the EIT experience review process faster.	11/7/2016 9:15 AM
1842	The other reason I prefer the digital version, is that it saves \$... at least in theory.	11/7/2016 9:15 AM
1843	With print others can read in the office	11/7/2016 9:15 AM
1844	Keep writing articles about how some consulting engineering firms accept very low fees resulting in poor work	11/7/2016 9:15 AM
1845	As a consulting engineer, the current issue of Engineering Dimensions is left in our reception area after I read it. Clients and employees have access to the latest copy, which is a key tool for promotion and understanding of our profession. Copies should also be available to engineering schools and municipal libraries to broaden the exposure of our profession to the public.	11/7/2016 9:15 AM
1846	digital edition is fine for me	11/7/2016 9:14 AM
1847	I will be content with the digital version!	11/7/2016 9:14 AM
1848	Suggest adding more diverse topics including experience of engineering regulators from different jurisdictions in Canada, North America and throughout the world to learn from best practices.	11/7/2016 9:14 AM
1849	PEO has become an irrelevant organization & Eng Dimensions is another reflection of that irrelevancy. The GLP Journal is a joke- my 10 year old can put better material together. The Gazette used to be interesting but not any more which reflects what PEO pursues in terms of hearings... I wish there was more relevant & interesting content.	11/7/2016 9:14 AM
1850	It would be nice to see some more discussions of current ethical issues in technology as a head-up for engineers working in these areas.	11/7/2016 9:13 AM
1851	Thanks	11/7/2016 9:13 AM
1852	I rarely read it; please remove me completely from receiving it. Thank you!	11/7/2016 9:13 AM
1853	na	11/7/2016 9:13 AM
1854	I appreciate that you are trying to move with the times, as am I, but sometimes I get a little weary of on-line this and on-line that. I'm on the computer most of the day, most days, at work, it's nice to have a break from staring at screens.	11/7/2016 9:13 AM
1855	More engineering projects and less politics	11/7/2016 9:13 AM
1856	How much of annual fees goes towards the publication of this magazine? If I had a vote I'd say get rid of it altogether, both print and digital.	11/7/2016 9:13 AM
1857	the DIGITAL edition should be made as DEFAULT. If a member needs PRINT edition, then he should pay more membership or the member use DIGITAL edition can pay less membership	11/7/2016 9:13 AM
1858	The contents are boring and stone age, do not talk about innovative approaches in both engineering and non-engineering worlds, it is not an inspiring tool to talk about challenges and road blocks to improvement, which engineers are faced that often generated by PEO, merely contain materials to praise someone or discipline others and politically driven ...Personally I just glance through it and threw it in the recycling bin....	11/7/2016 9:13 AM
1859	Please eliminate print copy, it is wasteful.	11/7/2016 9:13 AM
1860	N/A	11/7/2016 9:12 AM
1861	How do I remove myself from both distribution lists for print and digital? Marcia Morris marcimorris@rogers.com	11/7/2016 9:12 AM
1862	The print edition feels wasteful, knowing I won't always have the time to read through it, and the digital version is way more convenient.	11/7/2016 9:12 AM
1863	Digital version - environment is important to me.	11/7/2016 9:12 AM
1864	Ethics about Genetic Engineering.	11/7/2016 9:12 AM
1865	Digital Version is user & environment friendly, you can archive them after reading. I'm sure it costs less as well. Please switch back to Digital version	11/7/2016 9:12 AM
1866	N/A	11/7/2016 9:11 AM
1867	The magazine content is quite boring at times. Save some trees and default to digital editions.	11/7/2016 9:11 AM
1868	I enjoy relaxing and reading the magazine. I'm in front of a computer for the majority of my work day. I'd rather not have to read another item on the computer/tablet.	11/7/2016 9:11 AM

Engineering Dimensions Mini Survey

1869	Glossy paper hard to read in artificial light	11/7/2016 9:11 AM
1870	I'd prefer to receive the digital version of Engineering Dimensions from now on. Thank you.	11/7/2016 9:11 AM
1871	I work from 7 AM to 10 PM most days, and only pause for meals. when I am accessing e-mail, I don't have time for reading magazines. I will however browse through the printed copy at lunch or supper.	11/7/2016 9:11 AM
1872	Having the print copy available in my house keeps it in mind when it's lying on a coffee table or countertop. So I am much more likely to read it. In digital format, it gets lost amongst the 100's of other things in my phone and ultimately gets forgotten about and never read. That's why I like the print version better.	11/7/2016 9:11 AM
1873	I can read print in bed or lazing around	11/7/2016 9:10 AM
1874	Save money, quit printing it. Serves too few.	11/7/2016 9:10 AM
1875	I never got the digital verison so I cannot answer some of these questions. I had to fill in something otherwise I could not fill out the survey.	11/7/2016 9:10 AM
1876	How can I get my hard copy transferred over to a digital version and sent to my e-mail address at james_larose@rogers.com. Cheers,	11/7/2016 9:10 AM
1877	I appreciate the choice of either print or digital. I am of a generation that grew up on print, and that is the way I prefer it. I know others may like digital, but print is my preference. Thank you for asking.	11/7/2016 9:10 AM
1878	I rarely if ever read this magazine. Although I would be more likely to open a print copy, it's still unlikely that I would read it at all. If people aren't going to read it in print or digital, then digital is better for the environment. With that being said, all of my peers agreed that they do not read it either - perhaps a new method of information delivery should be entertained and the magazine discontinued.	11/7/2016 9:10 AM
1879	In the past, the digital version was really unstable for me. I would often get frustrated and not finish trying to read it. I greatly prefer the printed version.	11/7/2016 9:10 AM
1880	I get so much email that much gets ignored. Thus includes digital magazines	11/7/2016 9:09 AM
1881	I prefer the print version.	11/7/2016 9:09 AM
1882	I'm more likely to read the physical copy as it ends up in our bathroom. I always forget to go to a website.	11/7/2016 9:09 AM
1883	Thanks for defaulting us back to a print version. I find that I forget and ignore digital publications. This should increase readership of Engineering Dimensions and PEO members need to stay informed of PEO news. Good idea!	11/7/2016 9:09 AM
1884	No need to waste resources - natural and \$\$! Digital is the way to go.	11/7/2016 9:08 AM
1885	na	11/7/2016 9:08 AM
1886	The email with the link to this survey stated "Switching to the digital version is available by request", but didn't say how to do this. There should have been a link to request the change to digital.	11/7/2016 9:08 AM
1887	I haven't received any copy yet.	11/7/2016 9:07 AM
1888	I think digital is better, easy to store, doesn't take any space, saves the trees, etc.	11/7/2016 9:07 AM

Reader Survey Findings (2013, 2015 and 2016)

C-510-2.4
Appendix B

How do you receive your issue of *Engineering Dimensions*?

	2013	2015	2016
Print	630 (46.9%)	824 (39.8%)	8938 (77.5%)
Digital	712 (53.1%)	1244 (60.2%)	2588 (22.4%)

The following question is from 2013 and 2015 reader surveys:

Since we made the digital edition the default to receive *Engineering Dimensions* in March 2013, have you opened and read the magazine more, less or about the same as when you received the print edition?

	2013	2015
Less	308 (43.2%)	467 (37.5%)
About the same	279 (39.1%)	559 (44.9%)
More	58 (8.1%)	114 (9.2%)
Totally ignore it	68 (9.5%)	105 (8.4%)

The following questions are from the 2016 reader survey:

Since we made the print edition the default to receive *Engineering Dimensions* in January 2016, have you opened and read the magazine more, less or about the same as when you received the digital version?

	2016
Less	995 (8.63%)
About the same	5660 (49.1%)
More	3874 (33.6%)
Totally ignore it	997 (8.65%)

Do you prefer receiving the print or digital version of *Engineering Dimensions*?

	2016
Print	5500 (47.7%)
Digital	6026 (52.2%)

Digital Edition User/Session Log (2015/2016)

ISSUE	DISTINCT USERS	SESSIONS	AVG. TIME SPENT (per session)
Jan/Feb 2015	6,973	8,396	6:00
Mar/Apr 2015	5,444	6,498	6:25
May/Jun 2015	4,533	5,403	6:01
Jul/Aug 2015	5,439	6,356	5:23
Sep/Oct 2015	5,078	6,067	4:37
Nov/Dec 2015	5,448	6,521	4:44
Jan/Feb 2016	1,118	1,456	6:11
Mar/Apr 2016	1,168	1,424	5:13
May/Jun 2016	1,191	1,456	6:15
Jul/Aug 2016	1,195	1,444	5:22
Sep/Oct 2016	1,072	1,296	4:22
Nov/Dec 2016	1,317	1,616	5:42

Magazine production costs

Year	Edition	# Subscribers	Printing & Postage Costs	Advertising Revenue
2012	Last full year of print edition default/digital edition optional	14,834 digital subscribers; 69,959 print subscribers	\$404,750	\$447,158
2014	First full year of digital edition default/print optional	18,161 print subscribers (request 6619; 11,542 no email address)	\$156,400	\$355,572
2015	Second full year of digital edition default/print optional	15,749 print subscribers; 70,329 digital edition subscribers	\$173,748	\$292,758
2016	Resumption of print edition default/digital edition optional	86,769 print subscribers; 6,326 digital subscribers	\$530,776	\$448,428



Distribution of *Engineering Dimensions*

510th Council Meeting
February 2-3, 2017



Timeline

- **2008** – digital version of *Engineering Dimensions* offered as alternative to print edition
- **2013** – digital version made default option as part of going paperless initiative
- **2015** – Council approves return to print version as default in 2016 based on digital edition readership data
- **2015** – Council approves motion to conduct one-year review with updated data



Background

- Reader surveys in 2011, 2013 and 2015 showed digital version not as well read as print version
- 2015 third-party audit confirmed the same
- Log of open rate and average time spent on digital edition supported findings, as well
- Switch back to print edition as default was seen as way to better engage stakeholders



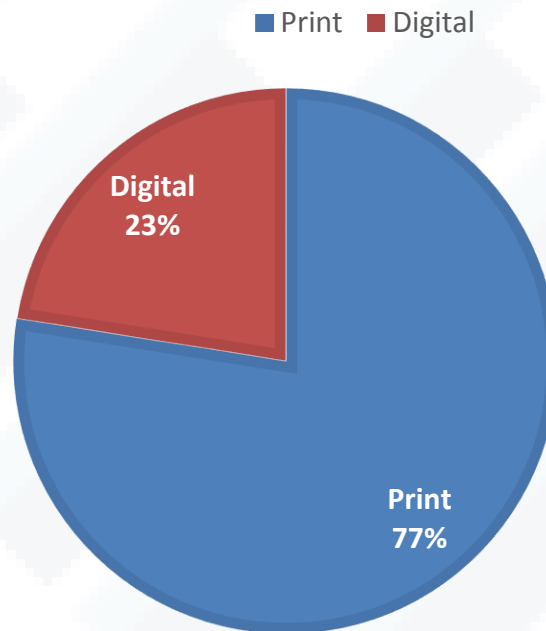
2016 Reader Survey

- PEO conducted reader survey in November/December
- 11,500 participated (16 per cent response rate)
- 8 questions and opportunity to provide comments



2016 Reader Survey - Results

HOW DO YOU CURRENTLY RECEIVE YOUR ISSUE
OF ENGINEERING DIMENSIONS?

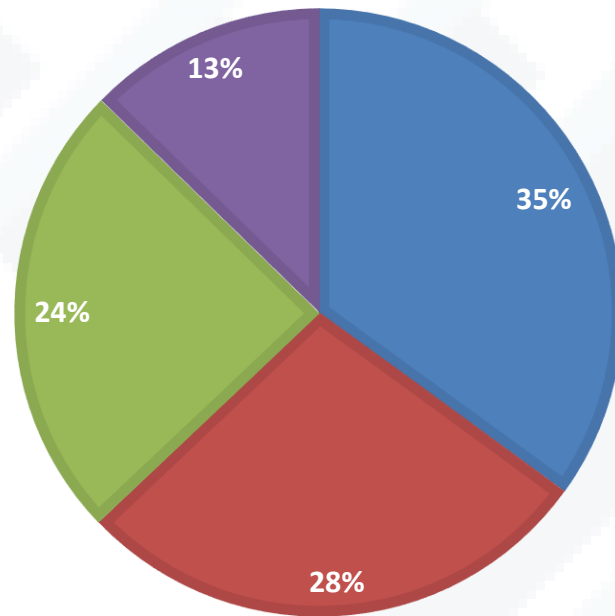




2016 Reader Survey - Results

HOW OFTEN DO YOU READ ENGINEERING DIMENSIONS?

■ Every issue ■ Most issues ■ Some issues ■ Never/rarely

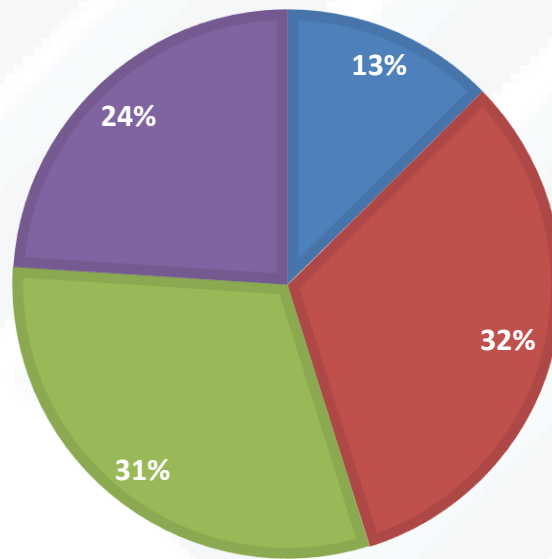




2016 Reader Survey - Results

PLEASE INDICATE HOW MUCH OF EACH ISSUE OF
ENGINEERING DIMENSIONS YOU READ.

■ 75% to 100% ■ 51% to 74% ■ 26% to 50% ■ 0 to 25%

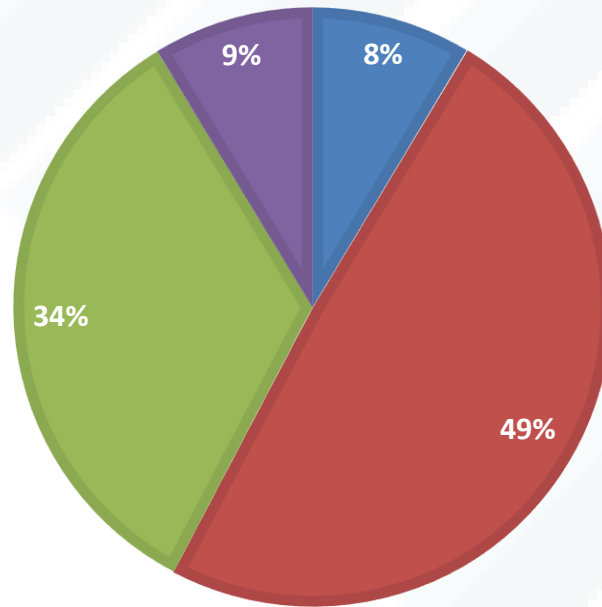




2016 Reader Survey - Results

SINCE WE MADE THE PRINT EDITION THE DEFAULT TO RECEIVE ENGINEERING DIMENSIONS IN JANUARY 2016, HAVE YOU OPENED AND READ THE MAGAZINE MORE, LESS OR ABOUT THE SAME AS WHEN YOU RECEIVED THE DIGITAL VERSION?

■ Less ■ About the same ■ More ■ Totally ignore it

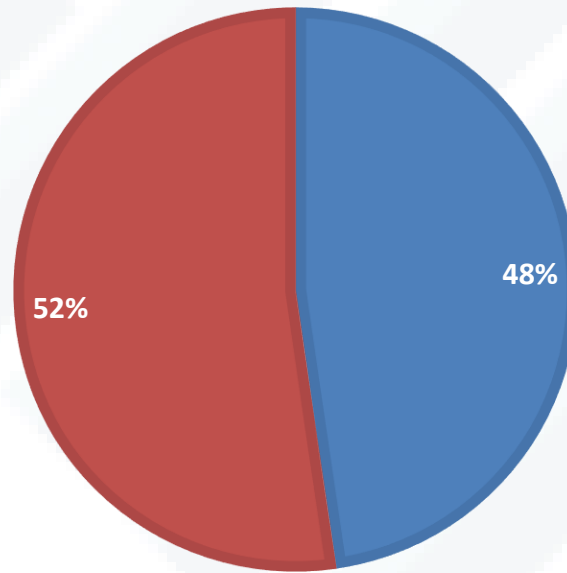




2016 Reader Survey - Results

DO YOU PREFER RECEIVING THE PRINT OR DIGITAL
VERSION OF ENGINEERING DIMENSIONS?

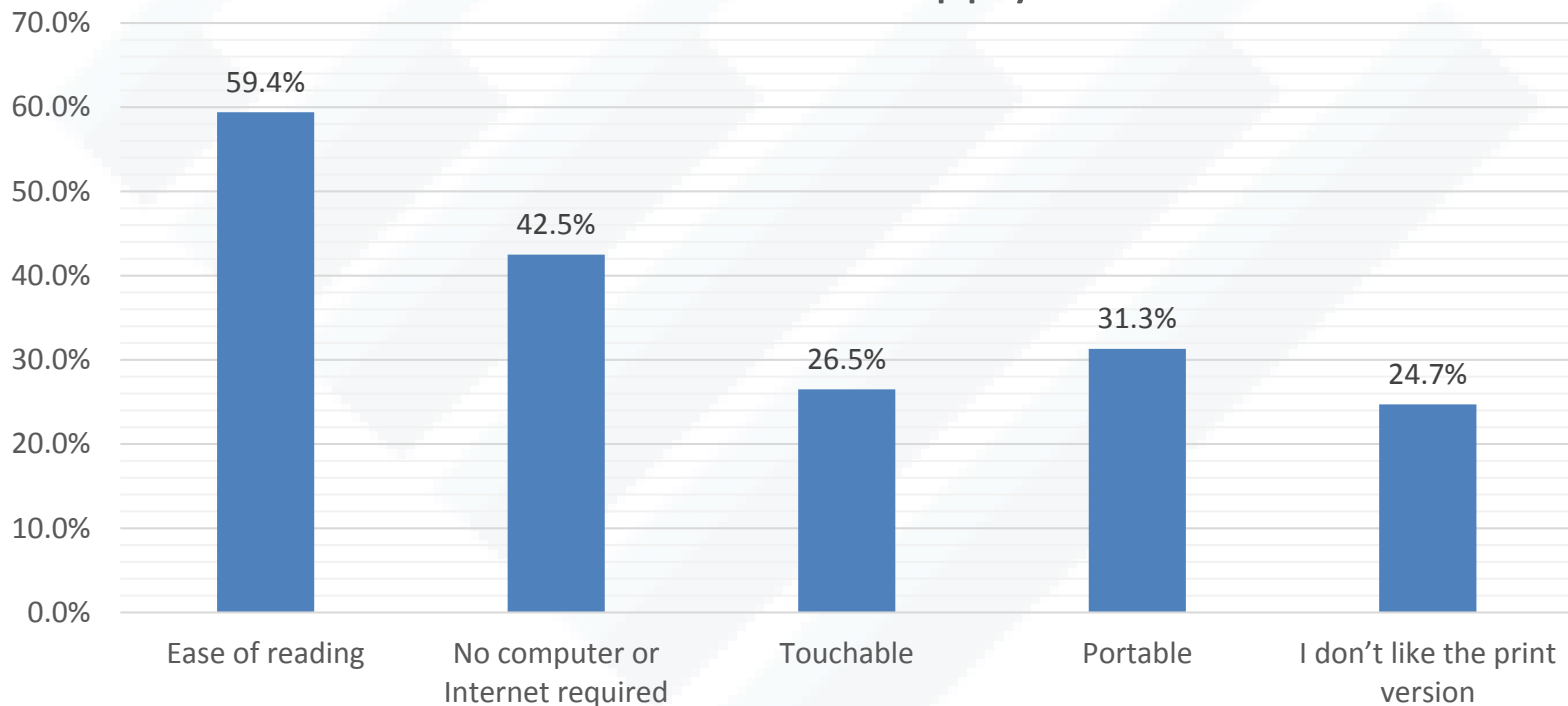
■ Print ■ Digital





2016 Reader Survey - Results

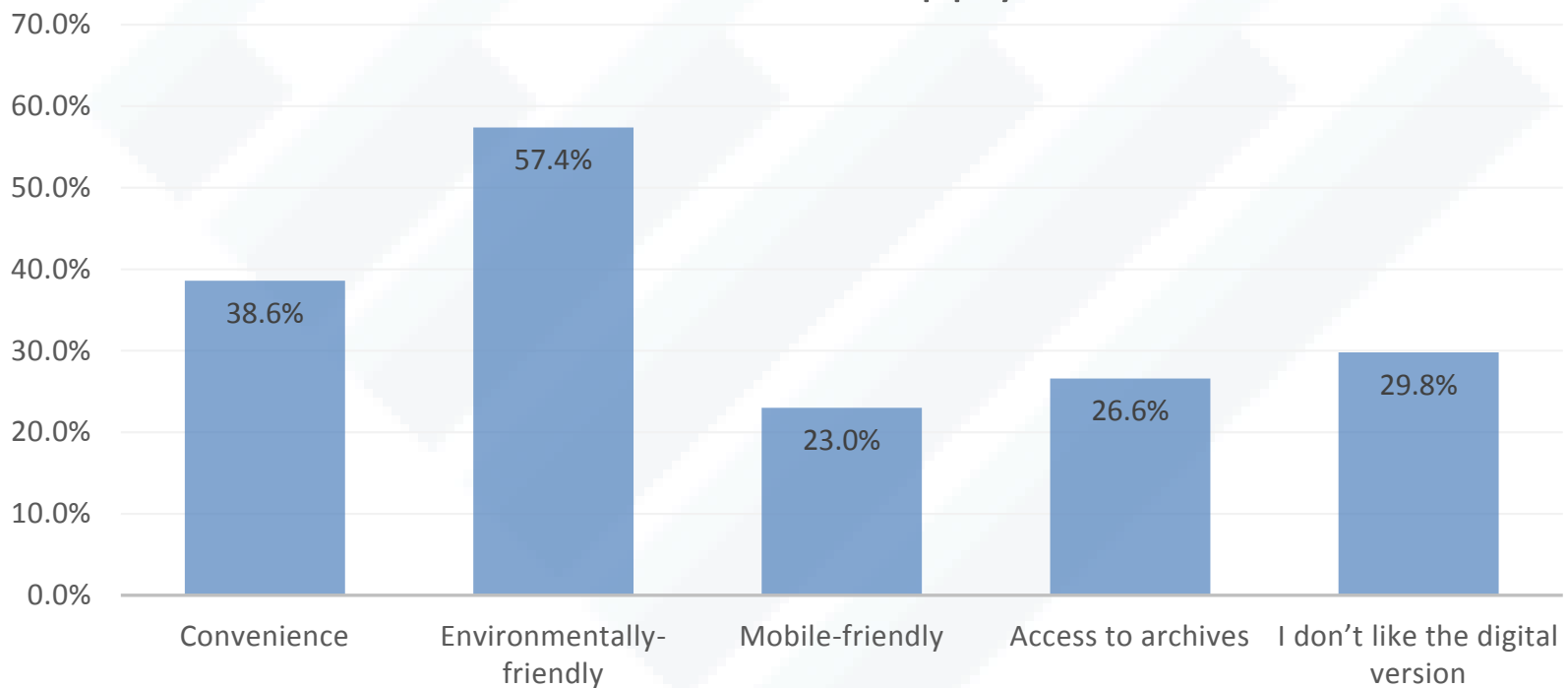
What do you like about the print version?
Check all that apply.





2016 Reader Survey Results

What do you like about the digital version?
Check all that apply.





2016 Reader Survey - Comments

- 1888 additional comments received
- 532 indicated a preference for the print version
 - Provides reprieve from all-day computer use
 - Easier to distribute/leave behind for others/more portable
 - Provides a physical reminder to read (digital easier to ignore)
- 420 indicated a preference for digital version
 - Environmentally friendly
 - Searchable content
 - More cost-effective option
- 936 did not indicate a preference



Reader Survey Findings (2013, 2015)

Since we made the digital edition the default to receive *Engineering Dimensions* in March 2013, have you opened and read the magazine more, less or about the same as when you received the print edition?

	2013	2015
Less	308 (43.2%)	467 (37.5%)
About the same	279 (39.1%)	559 (44.9%)
More	58 (8.1%)	114 (9.2%)
Totally ignore it	68 (9.5%)	105 (8.4%)



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2016	Resumption of print edition default/digital edition optional	86,769 print subscribers; 6,326 digital subscribers	\$530,776	\$448,428	- \$82,348



Considerations

- Presentation today is for information only
- Debate on whether to revert back to digital edition as default option would be for March Council meeting
- If change is made, would recommend allowing ample time for notification of members



Briefing Note – Decision

COMMITTEE / TASK FORCE TERMS OF REFERENCE AND HUMAN RESOURCES PLAN

Purpose: To approve committee and task force Terms of Reference, work plans and human resources plans.

Motion(s) to consider: (requires a simple majority of votes cast to carry)

1. That Council approve the Advisory Committee on Volunteers (ACV), Awards Committee (AWC) and Central Election and Search Committee (CESC) Terms of Reference as presented at C-510-2.5, Appendices A to C.
2. That Council approve the Advisory Committee on Volunteers (ACV) and Complaints Committee (COC) 2017 Human Resources Plans as presented at C-510-2.5, Appendices D and E.

Prepared by: Fern Gonçalves, CHRP, Director People Development

Moved by: Councillor Bellini, P.Eng.

1. Need for PEO Action

One of the roles of Council, as identified in the *Committees and Task Forces Policy* (Role of Council, Item 3), is to approve committee/task force mandates, Terms of Reference, annual work plans, and annual human resources plans.

The Advisory Committee on Volunteers (ACV), Awards Committee (AWC) and Central Election and Search Committee (CESC) have submitted their revised Terms of Reference for Council approval. In accordance with the *Committee and Task Force Policy – Reference Guide* (Sections 2.5 and 3.2), the draft documents were submitted to the Advisory Committee on Volunteers (ACV) for review and comment.

The following committees have submitted their revised human resources plans for Council approval:

Committee	HR plan
Advisory Committee on Volunteers (ACV)	✓
Complaints Committee (COC)	✓

2. Proposed Action / Recommendation

- That Council approve changes to the ACV, AWC and CESC Terms of Reference as presented.
- That Council approve the submitted human resources plans for the respective committees.

3. Next Steps (if motion approved)

The approved documents will be posted on the PEO website.

4. Peer Review & Process Followed

Process Followed	<ul style="list-style-type: none"> • The ACV Terms of Reference and 2017 HR Plan were revised and approved by the committee at its meeting on January 12, 2017.
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	<ul style="list-style-type: none"> • The AWC and CESC Terms of Reference were submitted to People Development in November 2016. • The revised COC HR plan was submitted to People Development in January 2017.
Council Identified Review	N/a
Actual Motion Review	<ul style="list-style-type: none"> • In accordance with the <i>Committee and Task Force Policy – Reference Guide</i> (Sections 2.5 and 3.2), the draft Terms of Reference were submitted to the Advisory Committee on Volunteers (ACV) for review and comment. The ACV reviewed the draft documents at its December 1, 2016 meeting and communicated recommendations with regards to the proposed changes to the CESC Committee Advisor. The ACV’s recommendations were accepted by the committee.

5. Appendix

- Appendix A – Advisory Committee on Volunteers (ACV)
 - i) Terms of Reference (changes are identified in grey highlight)
- Appendix B – Awards Committee (AWC)
 - i) Terms of Reference (changes are marked with ‘[Track change/Markup](#)’ option)
- Appendix C – Central Election and Search Committee (CESC)
 - i) Terms of Reference (changes are identified in yellow highlight)
- Appendix D – Advisory Committee on Volunteers (ACV)
 - i) 2017 Human Resources Plan (changes are identified in grey highlight)
- Appendix E – Complaints Committee (COC)
 - i) 2017 Human Resources Plan (changes are identified in grey highlight)

Terms of Reference Advisory Committee on Volunteers (ACV)

Issue Date: October 2009
Approved by:

Review Date: January 12, 2017
Review by: Committee

<p>Legislated and other Mandate approved by Council</p>	<p>To assist and advise committees in fulfilling their operational requirement under the policy.</p> <p>To assist Council by reviewing proposed revisions to Committee and Task Force - Mandates, Terms of Reference, Work Plans and Human Resources (HR) Plans.</p>
<p>Key Duties and Responsibilities</p>	<ol style="list-style-type: none"> 1. Assist committees/task forces in the preparation of mandates, Terms of Reference, annual Work Plans, and Human Resources (HR) Plans. 2. Maintain and provide tools and training, develop templates and guidelines for Terms of Reference, annual Work Plans, and Human Resources (HR) Plans. 3. Provide means to recognize volunteers and their employers. 4. Host annual meeting of committee/task force chairs and staff advisors. 5. Review and provide recommendation to Council on revisions to mandates, Terms of Reference, annual Work Plans, and Human Resources (HR) Plans. 6. Assist committee/task forces with preparation of the annual roster of committee members.
<p>Constituency, Number & Qualifications of Committee/Task Force Members</p>	<p>Minimum of seven members, maximum of ten. Membership should ensure broad engagement with representation that reflects the association diversity including and regional stakeholder groups. Experience should include depth and breadth and core competency and experience as detailed in the Human Resources (HR) Plan.</p> <p>Currently 10 members (all P.Engs) with experience as PEO volunteers at the Council, Committee and Chapter level.</p>
<p>Term Limits for Committee members, Chair and Vice Chair</p>	<p>Chair: Maximum of 4 cumulative years, subject to annual renewal.</p> <p>Vice Chair: Elected annually.</p> <p>Members: Appointed annually for a one-year term, from January to December. May be re-appointed to a maximum of 12 years.</p>
<p>Qualifications and election of the Chair</p>	<p>The Chair must have a minimum of 1 term experience as a member of the committee. Other qualifications include availability of time and accessibility. The election of the Chair is in accordance with the <i>Committees and Task Forces Policy</i>.</p>
<p>Qualifications and election of the Vice Chair(s)</p>	<p>The election of the Vice Chair is in accordance with the <i>Committees and Task Forces Policy</i>, and is conducted after the election of the Chair.</p> <p>The Vice Chair must have a minimum of 1 term experience as a member of the committee. Other qualifications include availability of time and accessibility.</p>
<p>Duties of Vice Chair(s)</p>	<p>The Vice Chair will chair meetings in the absence of the chair and will perform such other duties on behalf of the committee as decided by the committee.</p>

Terms of Reference Advisory Committee on Volunteers (ACV)

Quorum	50% of membership
Meeting Frequency & Time Commitment	<p>The committee normally meets up to eight (8) times during the year, with normally one a teleconference. Members are expected to attend at least six (6) of these meetings.</p> <p>Some subcommittee work is expected outside regular committee meetings. Subcommittees require selected individuals to assume a leadership role.</p>
Operational year time frame	January - December
Committee Advisor	Director, People Development PEO

Professional Engineers Awards Committee (AWC) Terms of Reference

Issue Date: April, 2007

Revised: November 4, 2016

Approved by:

Review by:

<p>Legislated and other Mandate approved by Council</p>	<p>To coordinate, manage, promote and monitor the Professional Engineers Ontario (PEO) <u>Ontario Professional Engineers Awards (OPEA) Program, Order of Honour (OOH), Sterling Engineering Intern Award,</u> and External Honours activities to support achievement of the object of the Act, which states, "Promote awareness of the Profession's contribution to society and the role of the association".</p>
<p>Key Duties and Responsibilities</p>	<p>Encourage, and where necessary, assist professional engineers to nominate and celebrate deserving peers for recognition through Professional Engineers Awards Programs (OOH and OPEA) and External Honours.</p> <ol style="list-style-type: none"> 1. Notify and solicit participation by professional engineers in nominating deserving peers for recognition. 2. Promote the Awards program through representation at Committee and Chapter events. 3. Cultivate interest and promote participation by employers of engineers, learned societies, associations, and others. 4. Monitor and review past award recipients and other award programs to identify persons deserving further recognition through upgrades or other awards. 5. Review and make recommendations on award recipients. 6. Monitor and, where appropriate, make recommendations on the process to notify and involve recipients in Award ceremony recognizing their achievement. 7. Participate in establishing parameters for the award ceremonies to recognize recipients of the OOH and OPEA. 8. Participate in the ceremonies. 9. Review and make recommendations for appropriate categories and recognition through Awards Programs. 10. Review and consider/recommend new awards where appropriate.
<p>Constituency, Number & Qualifications of Committee/Task Force Members</p>	<p>From 10 to 12 members, with maximum of 12 members of the association. Usually selected as a cross-section of industry, academic, and government. Two of the members are appointed by the Ontario Society of Professional Engineers to jointly administrate the Ontario Professional Engineers Awards. Desirable to include at least two members of Council, one Companion of the OOH, and about six members from the Honours List, preferably engineers of some years standing and with a wide knowledge of engineering disciplines.</p>
<p>Term Limits for Committee members, Chair and Vice Chair</p>	<ul style="list-style-type: none"> • Chair: Maximum of 3 cumulative years • Vice Chair: Maximum of 3 cumulative years • Committee member: Appointed annually for a one-year term, from January to December. May be re-appointed to a maximum of 10 years. Under normal circumstances should be expected to retire from the committee for at least two years after continuous term of 10 years. Two-thirds continuity of committee members is desirable. At least every two (2) years a new member joins the committee.
<p>Qualifications and election of the Chair</p>	<p>. The election of the Chair shall take place either at the last or first committee meeting of the calendar year for a one-year term. The Chair can be re-elected to serve a</p>

Professional Engineers Awards Committee (AWC) Terms of Reference

	maximum of 3 consecutive terms. A two-thirds majority vote by members of the Committee is required to remove the Chair.
Qualifications and election of the Vice Chair(s)	The election of Vice Chair shall take place either at the last or first committee meeting of the calendar year. The Vice Chair is elected for a one-year term, commencing in January. The Vice Chair can be re-elected to serve a maximum of 3 consecutive terms. To ensure continuity, it is desirable that the Vice Chair advances to the Chair's position, once the Chair's term of service is expired.
Duties of Vice Chair(s)	Other than chairing meetings in the absence of the Chair there are no specific duties for the Vice Chair.
Quorum	Committee operates under Wainberg's Rules
Meeting Frequency & Time Commitment	Up to 8 full-day face-to-face meetings per year. Remainder by teleconference. Subcommittee meetings will be held in conjunction with face-to-face meetings or by teleconference. The number of Subcommittee meetings is approximately equal to the number of meetings of the full Committee.
Operational year time frame	Calendar year (January to December)
Committee Advisor	Fern Gonçalves, Director, People Development

Central Election and Search Committee (CESC) Terms of Reference

Issue Date: September 20, 2012
Approved by:

Review Date: November 18, 2016
Review by:

Legislated and other Mandate approved by Council	<p>To encourage at least two members of the Association to seek election for the positions of President-elect, Vice-President and Councillor-at-Large.</p> <p>Regulation 941 cites the following mandate:</p> <p>12. (1) The Council shall appoint a Central Election and Search Committee each year composed of,</p> <ul style="list-style-type: none"> (a) the penultimate past-president; (b) the immediate past-president; (c) the president; and (d) two or more Members. R.R.O. 1990, Reg. 941, s. 12 (1); O. Reg. 157/07, s. 3 (1). <p>(2) The penultimate past-president shall act as chair, unless he or she is unable or unwilling to act, in which event another member of the Central Election and Search Committee designated by the Council shall act as chair. R.R.O. 1990, Reg. 941, s. 12 (2); O. Reg. 157/07, s. 3 (2).</p> <p>(3) The Central Election and Search Committee shall,</p> <ul style="list-style-type: none"> (a) encourage Members to seek nomination for election to the Council as president-elect, vice-president or a councillor-at-large; (b) assist the Chief Elections Officer as may be required by him or her; and (c) receive and respond to complaints regarding the procedures for nominating, electing and voting for members to the Council in accordance with this Regulation. O. Reg. 157/07, s. 3 (3). <p>(4) Meetings of the Central Election and Search Committee shall be convened by the chair from time to time or as directed by Council. O. Reg. 157/07, s. 3 (3).</p>
Key Duties and Responsibilities	<ol style="list-style-type: none"> 1. Encourage candidates to put their names forward as a candidate for one of the positions of the Council, namely, President-elect, Vice-President or Councillor-at-Large(s). 2. Maintain confidentiality, adhere to committee rules of procedures and maintain impartiality during the election period and refrain from involvement in any member's campaign activities 3. Declare a conflict of interest when appropriate
Constituency, Number & Qualifications of Committee/Task Force Members	Positions are filled per section 12, Regulation 941.
Term Limits for Committee members, Chair and Vice Chair	<ul style="list-style-type: none"> • Chair: Penultimate Past President, One year per section 12, Regulation 941.

Central Election and Search Committee (CESC) Terms of Reference

	<ul style="list-style-type: none"> • Committee members: <ul style="list-style-type: none"> ○ Immediate Past President - One year per section 12, Regulation 941. ○ President - One year per section 12, Regulation 941. ○ Two or more other Members – maximum 3 consecutive one year terms subject to approval by Council.
Qualifications and election of the Chair	Per section 12, Regulation 941, Penultimate Past President shall act as chair.
Quorum	In accordance with Wainberg's Society Meetings Including Rules of Order and section 25(i) of By-Law No. 1, quorum for the purpose of having the meeting's decisions be considered binding is at least 50 per cent of the committee's/task force's membership present at the meeting.
Meeting Frequency & Time Commitment	<p>Time commitment will be approximately 3 hours per meeting. The time commitment includes meetings to co-ordinate recruitment of potential candidates for election to Council plus any additional time required to encourage potential candidates and to respond to complaints regarding the procedures for nominating, election and voting for members to the Council. There is also meeting time devoted to the development of the Committee's annual issues report to Council.</p> <p>The committee typically meets five times per year. The committee can choose to meet more frequently as situations require.</p>
Operational year time frame	The Committee is stood down each year in June following submission of its Annual Issues Report to Council
Committee Advisor	Manager, Secretariat

HUMAN RESOURCES PLAN - 2017

ADVISORY COMMITTEE ON VOLUNTEERS (ACV)

Committee: <i>Advisory Committee on Volunteers (ACV)</i>	Plan Year: 2017
Committee Review Date: <i>September 2016</i>	Date Council Approved:

Categories	Target / Ideal (To meet the needs of the Committee)	Current in Place	Gap [ST = Short-term Goal LT = Long-term Goal]
Core Competencies <i>[See Appendix A]</i> <ul style="list-style-type: none"> • Skills • Abilities • Expertise • Knowledge 	<ul style="list-style-type: none"> • Key objectives and core competencies are listed in Appendix A 	<ul style="list-style-type: none"> • See Appendix A 	No gaps
Committee Membership	7 to 10 Members	10 Members	No gap
Broad Engagement Career Stage	At least 1 from every career stage	5 mid-level/late, 5 retired	1 early career stage
Disciplines	5 to 6 diverse disciplines	Electical/Mechanical/ Civil/Transportation/Mining/ Structural/Construction/ Environmental	No gap
Experience Level	A minimum of 1 member in C-Level	All D-Level or greater	LT – 1 in C-Level; otherwise no gap
Gender / Diversity	At least 1 female member	8 males and 2 females	No gap
Geographic Representation	Full geographic representation	4 out of 5 regions represented	No gap
CEAB Graduates –vs– IEG	Equal distribution	8 CEAB grads, 2 internationally-trained grads	No gap
Licensed –vs– Non-licensed	All P.Engs.	All P.Engs.	No gap
Volunteer Development Plans <ul style="list-style-type: none"> • List potential development opportunities 	<ul style="list-style-type: none"> • Advancement to Chair/Vice Chair • Lateral moves to other committee/task force • Election to Council • Appointment to external agencies/boards 	<ul style="list-style-type: none"> • Member self-identified future plans 	N/a
Succession Planning <ul style="list-style-type: none"> • Time on Committee 	<ul style="list-style-type: none"> • At least 2 members with 0 to 5 years on committee • At least 2 members with 5 to 10 years 	<ul style="list-style-type: none"> • 0 to 5 years = 4 • 5 to 10 years = 3 • Over 10 years = 3 	ST- No gap LT- No gap
Terms of Office: <ul style="list-style-type: none"> • Chair • Vice Chair • Committee members 	<ul style="list-style-type: none"> • Chair: Maximum four (4) years • Vice Chair: Elected annually • At least every two (2) years a new member joins the committee 		

HUMAN RESOURCES PLAN - 2017
ADVISORY COMMITTEE ON VOLUNTEERS (ACV)

APPENDIX A

A. Key objectives and core competencies (as per the Work Plan)

<u>List top 3–5 Committee Work Plan Outcomes:</u>	<u>List core competencies for each Work Plan outcome:</u>
1. Develop Guidelines and Templates (ToR, Work plans, HR Plans, etc.)	<ul style="list-style-type: none"> - Possess a good knowledge of PEO and Committee structure - Prior PEO Committee experience preferred - Explain the role of a committee member in supporting committee’s activities - Initiate recommendations for change
2. Assist PEO staff with Volunteer Leadership and training programs	<ul style="list-style-type: none"> - Conduct volunteer needs assessment - Provide training resources and advise on methodologies - Project management skills and ability to implement training plans
3. Establish criteria for recognition programs	<ul style="list-style-type: none"> - Develop relationships with stakeholders to identify recognition trends - Conduct research , collect and interpret data - Provide recommendations on criteria for recognition
4. Conduct Vital Signs Survey of committee members	<ul style="list-style-type: none"> - Promote the need for survey as a method of collecting feedback from committee members - Work collaboratively to prepare a survey questionnaire - Conduct analysis, summarize results and follow up with recommendations
5. Host Annual Committee Chairs Workshop	<ul style="list-style-type: none"> - Be familiar with current issues of PEO Committees - Identify goals and set up priorities - Facilitate meetings and workshops

B. Action plan for volunteer recruitment

List top 2 – 3 preferred core competencies (knowledge, skills, abilities)	List specific attributes for each core competency	Briefly state how you will meet your needs [ie: development plans for current member(s); request additional volunteer resources]	Resources Needed	Target Date for completion
Knowledge of available resources	Familiarity with training & recognition programs, etc.	Provide training and access to resources	Staff assistance	Ongoing
Ability to implement programs/plans	Ability to prioritize and good organization skills	Recruit new members with organizational skills	New volunteers	Completed
Skills to provide advice/ recommendations/ assistance	Good communication and problem resolution skills	Develop communication skills, attend workshop on problem resolution	External services (3 rd party)	Ongoing

C. Comments

HUMAN RESOURCES PLAN – 2017

COMPLAINTS COMMITTEE

Committee: Complaints Committee	Date Developed: Nov 2016
Committee Review Date: Nov 2016	Date Council Approved:

	Target / Ideal (To meet the need of the Committee)	Currently in Place	Gap [ST = Short-term Goal] [LT = Long-term Goal]
Core Competencies <ul style="list-style-type: none"> • Skills • Abilities • Expertise • Knowledge 	<ul style="list-style-type: none"> • Representation from each of the following areas of expertise/industry sector: government, consulting, industry, academia, high tech/IT. 	Most areas of expertise represented on committee.	
Committee Membership	<ul style="list-style-type: none"> • 16 members including Chair, at least 2 LGAs/AG appointees, and 2 Councillors, at least one of whom is a P.Eng. 	14 members including Chair, 1 LGA and 2 AG appointees, 2 Councillors, both of whom are P.Engs.	2 P.Eng. members
Broad Engagement Career Stage	<ul style="list-style-type: none"> • Members to have minimum 10 years work experience. No more than 4 committee P.Eng. members to be non-practising or retired. 	3 retired P.Eng. members, 13 committee members have more than 20 yrs work experience, one member has less than 20.	
Disciplines	<ul style="list-style-type: none"> • At least two committee members to be structural engineers; good representation from the other disciplines. 	Three committee members are structural; broad representation of other disciplines: elec, mech, civil, chem, but gap identified relating to civil/water resources and environmental/geotech	Two P.Eng. members with specific experience/expertise in civil/water resources and environmental/geotech
Experience Level	<ul style="list-style-type: none"> • Majority of members to be at 'director' level or higher 	Majority of members are or have been director level or higher	
Gender / Diversity	<ul style="list-style-type: none"> • Min 15% female membership 	4 female members. 3 are required at committee size of 16.	
Geographic Representation	<ul style="list-style-type: none"> • Broad range of representation in Ontario 	All geographic areas represented – southern Ontario, central Ontario, eastern Ontario, northern Ontario	
CEAB Grads/ Foreign-trained	<ul style="list-style-type: none"> • At least one foreign trained member. 	One foreign-trained member	One additional foreign-trained member
Licensed –vs– Non-licensed	<ul style="list-style-type: none"> • All except LGAs/AGs required to be P.Eng.'s 	All non-LGA/AG members are licensed.	
Volunteer Development Plans	<ul style="list-style-type: none"> • Advancement to Chair/Vice Chair 	Members express interest in the role of Chair/Vice	

HUMAN RESOURCES PLAN – 2017

COMPLAINTS COMMITTEE

<ul style="list-style-type: none"> • List potential development opportunities 	<ul style="list-style-type: none"> • Lateral moves to other committees task forces • Election to council • 	Chair directly as part of chair election process	
<p>Succession Planning</p> <ul style="list-style-type: none"> • Time on Committee 	<ul style="list-style-type: none"> • At least half of committee to have min 5 yrs experience on the committee, and at least one committee member to have less than 3 years on the committee. 	At least half of committee has min 5 yrs experience on the committee. 3 committee members have less than 3 years experience on the committee.	
<p>Terms of Office:</p> <ul style="list-style-type: none"> • Chair/Vice Chair • Committee members 	<ul style="list-style-type: none"> • Term for Chair and Vice Chair is 2 or 3 yrs. • Members – min 50% attendance and no more than 3 consecutive meetings to be missed without advising Chair of acceptable reason. 		

CONSENT AGENDA

Purpose: To approve the items contained in the consent agenda

Motion(s) to consider: (requires a simple majority of votes cast to carry)

That the consent agenda be approved.

Prepared by: Dale Power, Secretariat Administrator

Routine agenda items that may be approved without debate are included in a consent agenda and may be moved in a single motion. However, the minutes of the meeting will reflect each item as if it was dealt with separately. Including routine items on a consent agenda expedites the meeting.

Items included on the consent agenda may be removed and dealt with separately if they contain issues or matters that require review.

Please review the minutes ahead of time for errors or omissions and advise Dale Power (416-224-1100, extension 1130 or dpower@peo.on.ca) if there are any required revisions prior to the meeting so that the minutes, when presented, may be considered within the consent agenda.

The following items are contained in the consent agenda:

- 3.1 Minutes – 246th Executive Committee meeting – October 18, 2016
- 3.2 Minutes – 509th Council meeting – November 18, 2016
- 3.3 Changes to the 2017 Committees/Task Forces Annual Membership Roster

MINUTES – 246th Executive Committee – October 18, 2016

Purpose – To ratify the minutes of the 246th Executive Committee meeting

Motion to consider: (requires a simple majority of votes cast to carry)

That the minutes of the 246th meeting of the Executive Committee, held on October 18, 2016, as presented to the meeting at C-510-3.1, Appendix A, be ratified.

Prepared by: Dale Power, Secretariat Administrator

1. Need for PEO Action

In accordance with best business practices, Council should formally record its consent to the actions taken by the Executive Committee.

The Executive Committee, at its meeting held January 17, 2017, confirmed that the attached minutes from the 246th meeting of the Executive Committee, held October 18, 2016, accurately reflect the business transacted at that meeting.

2. Current Policy

It is PEO convention that Council ratify minutes of Executive Committee meetings.

3. Appendices

- Appendix A – Minutes of the 246th Meeting of the Executive Committee



Minutes

**C-510-3.1
Appendix A**

The 246th Meeting of the EXECUTIVE COMMITTEE of PROFESSIONAL ENGINEERS ONTARIO was held on Tuesday, October 18, 2016 at 5:00 p.m.

Present: G. Comrie, P.Eng., President and Chair

T. Chong, P.Eng., Past President [minutes 14-80 to 14-85 only]

B. Dony, P.Eng., President-elect [via video conference]

D. Brown, P.Eng., Vice-President (appointed)

P. J. Quinn, P.Eng., Vice-President (elected)

C. Sadr, P.Eng.

M. Spink, P.Eng.

Staff: G. McDonald, P.Eng., Registrar

S. W. Clark, LL.B

F. Goncalves

L. Latham, P.Eng.

D. Smith

J. Zuccon, P.Eng.

R. Martin

D. Power

Guest: D. Dickson, D & B Dickson Management Solutions Inc. [via teleconference] [minutes 14-80 to 14-82 only]

CALL TO ORDER

Notice having been given and a quorum being present, President Comrie, acting as Chair called the meeting to order.

14-80

APPROVAL OF AGENDA

Presentation at World Engineering Conference on Disaster Risk Reduction was added to agenda item 5.1 Information Items.

Moved by Past President Chong, seconded by Councillor Sadr:

That:

- a) the agenda, as presented to the meeting at E-246-1.1, Appendix A, be approved as amended, and
- b) the Chair be authorized to suspend the regular order of business.

CARRIED

14-81

MINUTES – 245th EXECUTIVE COMMITTEE MEETING – JULY 21, 2016

The Executive Committee reviewed the minutes of the 245th EXE Committee meeting held July 21, 2016.

Moved by Past President Chong, seconded by Councillor Sadr:

That the minutes of the 244th open session meeting of the Executive Committee, held on July 21, 2016, as presented to the meeting at E-245-2.1, Appendix A, accurately reflect the business transacted at that meeting.

CARRIED

14-82

**PEER REVIEW – GOVERNANCE LIAISON
PROGRAM REVIEW**

At its meeting on February 5, 2016, Council passed a motion to undertake a review of the Government Liaison Program (GLP). The review was undertaken to determine whether the GLP is operating as designed and whether it is achieving the expected results. Don Dickson, D & B Dickson Management Solutions Inc., was engaged to conduct the review following an RFP issued May 13, 2016.

Don Dickson, D & B Dickson Management Solutions Inc., thanked J. Chau for providing documentation, H. Brown for assisting with the interviews and S. Clark for his assistance regarding the audit criteria. He then provided highlights of his Governance Liaison Program Audit dated September 27, 2016 which included background/context, audit approach, recommendations, implementation and conclusion. The recommendations dealt with achievement of results, GLC expected results, reporting/information flow, training, GLP weekly newsletter, events/meetings, chapter GLP activities and management, chapter GLP support and MPP views. This was followed by questions and answers.

Past President Chong advised that he did not see any specific comments from staff, the GLP consultant or OSPE in the audit report and asked if there were any comments that could be shared regarding suggestions for improvement. There was also no mention of the Joint PEO Government Liaison Program (GLP) and OSPE Political Action Network (PAN). He stated that the audit findings indicate a disconnect and disparity in perception and inadequate communication amongst the various groups. He went on to say that one of the audit recommendations is the development of a strategy to target certain Ministers and MPPs who are considered high priority for understanding PEO roles. He noted there are many MPPs but only a few Ministers deal with PEO legislation which are the ones that should be targeted.

Past President Chong referred to page 6 of the GLP Chapter manual wherein it stated that the Executive Committee provide oversight for the Government Liaison program be integrating it into the Executive Committee's policy development responsibilities. He noted that the GLC Terms of Reference refer to communication to Council but that he has never seen a GLC presentation to Council.

Councillor Spink referred to the Reporting/Information Flow slide which states that Council should consider establishing a regular agenda item for GLC and reporting and asked if this would also include the Executive Committee. D. Dickson replied that he did not

distinguish between the two.

Councillor Spink referred to the comments on training noting that as important as it is to have clear consistent message to be communicated or reinforced through training, it is also important to train GLP participants on what they should not be doing. D. Dickson noted that this did not come up in the interviews that he conducted. M. Spink further noted that training should include the roles of both PEO and OSPE. Briefings for both organizations should be the same. D. Dickson agreed that it is important to have joint meetings. This has to be carefully managed and spelled out in more detail.

Councillor Spink noted that Consulting Engineers of Ontario (CEO) has its own Queen's Park event so it is important to find ways to align PEO's message with theirs. The same should apply to other engineering organizations.

President Comrie asked if D. Dickson encountered conflict or confusion during the interviews regarding PEO, OSPE, CEO, etc. D. Dickson replied that some MPP's were not clear on the roles of the different organizations. It was more the semantics of the names. One MPP suggested a name change.

Vice President Brown noted that he attended GLC training with H. Brown and was also a member of the OSPE Political Action Network (PAN). Once he was on Council he sat on the Joint Relations Committee with OSPE. He had suggested PAN meetings be held in conjunction with GLP meetings to reduce some of the confusion. Vice President Brown was advised that there is a coordinated effort on the part of both OSPE and PEO that, whenever possible, PAN and GLP representatives attend meetings jointly.

Vice President Brown asked D. Dickson to provide further information regarding comments about other professional organizations such as doctors, nurses, teachers, etc. D. Dickson replied that one or two MPP's suggested PEO take a look at these organizations. They did not provide specifics but pointed out these groups are higher on the radar and PEO may learn something by consulting them.

President Comrie referred to the 33 recommendations and asked D. Dickson which ones he would consider to be the highest priority in achieving the objectives of the program. D. Dickson stated consistent alignment on results so all have a clear understanding of what PEO is trying to achieve, building on that and targeting the MPP's and Ministers that are the most important to the organization.

Councillor Sadr referred to the June 2011 GLC Terms of Reference noting that this document should be updated to include the recommendations from the Governance Liaison Program Review.

President Comrie concluded that this item would be presented to Council in November to approve the development of a plan in consultation with GLC with a budget of \$15,000 to engage a consultant to support development of the implementation plan.

14-83
PEER REVIEW – ONLINE MEMBER FORUM

Since its inception in 2000, the discussion forum on PEO's website has suffered from a lack of participation by members. The platform is largely out of date and dedicated PEO accounts on various popular social media platforms are available to engage those interested in learning about and discussing information related to regulation of the engineering profession. PEO now has a well-established presence on Twitter, Facebook, YouTube and LinkedIn on which PEO operates both a company page and a discussion group.

One of the major concerns regarding the discussion forum in its current form relates to the anonymity aspect. Following discussion, it was agreed that consultation should take place with some of the main forum users to explore options and potential costs to update the forum in order to encourage greater participation. These options will then be presented to the Executive Committee for peer review before going to Council.

14-84
BURDEN REDUCTION ACT 2016

Registrar McDonald provided an update advising that the Burden Reduction Act 2016 is now currently going through second reading. It is possible that this will go to committee which would provide PEO with the opportunity to make its case to retain the repeal of the Industrial exception. Registrar McDonald also discussed the latest developments regarding the data collection analysis that Deputy Registrar Latham and her team have been working on.

14-85
EXECUTIVE COMMITTEE ITEMS

a) Presentation at World Engineering Conference on Disaster Risk Reduction

Registrar McDonald advised that A. Bergeron submitted an abstract on the "Shopping Mall Disaster Accelerates Risk Questionnaire and Professional Education for Engineers" to the World Engineering Conference on Disaster Risk Reduction in Peru. The conference organizing committee confirmed that her abstract was approved for presentation at the Conference on December 5 and 6, 2016. The final work is due on November 4, 2016. Authors are required to pay a conference fee. This presentation is a result of PEO's CPD Task Force. A. Bergeron submitted her request to Engineers Canada. As a result, K. Allen, CEO, Engineers Canada, has asked if PEO wants to have this work shared internationally or if so should it be branded as PEO, Engineers Canada or jointly and who would cover the costs of A. Bergeron presenting her abstract at the conference in Peru.

Following discussion, it was agreed that Registrar McDonald would advise K. Allen that PEO had no issues with PEO's risk based CPD initiative being shared internationally provided it is branded as a PEO project and that PEO has no objection to Engineers Canada sponsoring

A. Bergeron's trip to the World Engineering Conference on Disaster Risk Reduction conference in Peru.

b) Discipline Committee - Decisions and Reasons

Vice-President Brown asked why a sanitized version of the Discipline Committee decisions could not be provided to Council so that this item could be presented in open session. Deputy Registrar Latham replied that there are a few practical reasons for this. One is that this allows for just one briefing note with all of the decisions. The other reason is that it is a policy to provide Council with the full decision because the sanitized version is often shortened. Furthermore, the sanitized version is often not available until some time after the decisions come out.

**14-86
IN-CAMERA SESSION**

While in-camera, the Executive Committee:

- a) Verified the in-camera minutes of the 245th Executive Committee meeting held July 21, 2016.
- b) Received an update regarding the President's Award.

There being no further business, the meeting concluded.

These minutes consist of minutes 14-80 to 14-86 inclusive and five pages.

G. Comrie, P.Eng., President and Chair

G. McDonald, P.Eng., Registrar

OPEN SESSION MINUTES – 509th Council Meeting – November 18, 2016

Purpose: To record that the minutes of the open session of the 509th meeting of Council accurately reflect the business transacted at that meeting.

Motion to consider: (requires a simple majority of votes cast to carry)

That the minutes of the 509th meeting of Council, held November 18, 2016, as presented to the meeting at C-510-3.2, Appendix A, accurately reflect the business transacted at that meeting.

Prepared by: Dale Power, Secretariat Administrator

1. Need for PEO Action

In accordance with best business practices, Council should record that minutes of an open session of a meeting of Council accurately reflect the business transacted at a meeting.

2. Current Policy

Section 25(1) of By-Law No. 1 states that meetings of PEO are to be governed by *Wainberg's Society Meetings*. Rule 27.5 of *Wainberg's* states that "There is no legal requirement to have minutes verified, but it is considered good practice. The motion does not by itself ratify or adopt the business transacted; it merely verifies the minutes as being correct [a correct record of the discussions held and decisions made at the meeting]."

3. Appendices

- Appendix A - Minutes – 509th Council open session meeting – November 18, 2016



Minutes

The 509th MEETING of the COUNCIL of PROFESSIONAL ENGINEERS ONTARIO (PEO) was held at PEO Offices, 40 Sheppard Avenue West, Toronto, Ontario on Friday, November 18, 2016 at 9:00 a.m.

Present:

- G. Comrie, P.Eng., President and Chair
- T. Chong, P.Eng., Past President
- B. Dony, P.Eng., President-elect
- D. Brown, P.Eng., Vice President (Appointed)
- P. J. Quinn, P.Eng., Vice President (Elected) [minutes 11715 – 11732 only]
- C. Bellini, P.Eng.
- G. Boone, P.Eng.
- M. Chan, P.Eng.
- D. Chui, P.Eng.
- R. A. Fraser, P.Eng.
- R. Hilton, P.Eng. [via teleconference]
- G. Houghton, P.Eng.
- Q. C. Jackson Kouakou
- R. Jones, P.Eng.
- T. Kirkby, P.Eng.
- E. Kuczera, P.Eng.
- L. Lederman, Q.C.
- M. Long-Irwin [via teleconference]
- D. Preley, P.Eng.
- N. Rush, C.E.T.
- C. Sadr, P.Eng.
- R.K. Shreewastav, P.Eng.
- M. Spink, P.Eng.
- N. Takessian, P.Eng.
- W. Turnbull, P.Eng.
- M. Wesa, P.Eng.

Staff:

- G. McDonald, P.Eng., Registrar
- S.W. Clark, LL.B.
- L. Latham, P.Eng.
- C. Mehta
- M. Price, P.Eng.
- D. Smith
- J. Zuccon, P.Eng.
- R. Martin
- D. Power

- Guests:
- A. Bergeron, PEO Director, Engineers Canada [minutes 11715 -11742]
 - H. Brown, Brown & Cohen [minutes 11715-11742]
 - D. Campbell, Chair, Government Liaison Committee [minutes 11715 - 11737]
 - S. Dias, Council Composition Task Force Member [minutes 11715 – 11722]
 - D. Dickson, D & B Dickson Management Solutions Inc. [minutes 11715 -11737]
 - M. Monette, President and Chair, OSPE [minutes 11722 – 11737]
 - C. Roney, PEO Director, Engineers Canada [minutes 11715 -11742]
 - B. Steinberg, Consulting Engineers Canada [minutes 11715 -11722]

On Thursday evening, Council held a plenary session to discuss the (CP)² Implementation Task Force Final Report; Government Liaison Program Audit and Process to Appoint Engineers Canada Directors.

Council convened at 9:00 a.m. Friday, November 18, 2016.

CALL TO ORDER

Notice having been given and a quorum being present, the Chair called the meeting to order. New LGA Councillor Qadira Jackson Kouakou was introduced and welcomed.

**11715
APPROVAL OF AGENDA**

Moved by Councillor Kuczera, seconded by Councillor Takessian:

That:

- a. the agenda, as presented to the meeting at C-509-1.1, Appendix A be approved, and**
- b. the Chair be authorized to suspend the regular order of business.**

CARRIED

**11716
PRESIDENT/REGISTRAR'S REPORT**

President Comrie provided an update on his most recent activities. He attended the September 2016 Engineers Canada Board Meeting, including the Engineers Canada Linkages Task Force of which he is a member. While in Ottawa, President Comrie had the opportunity to meet with Bell Canada regarding the rollout of the Communications Infrastructure Engineering discipline (network engineering cybersecurity). In addition to attending regular meetings such as the Human Resources Committee, Executive Committee and the Central Election and Search Committee, President Comrie also attended various other meetings including the Licensing Committee, Legislation Committee, National Framework Task Force, Sterling Award Sub Committee, OSPE/PEO Joint Relations Committee and the (CP)² Task Force. He also attended the annual general meeting of APEGBC. Other events included Queen's Park Day, the TVO Awards Gala, the Committee Chairs Workshop and several school outreach activities.

Registrar McDonald advised that his most recent Registrar's Update had been sent to Council. He discussed the debates currently taking place in the legislature regarding Bill 27 (the Burden Reduction Act) noting that several NDP and PC MPP's spoke in support of PEO's position. It is likely that this matter will be referred to committee following the debates.

11717
GOVERNMENT LIAISON PROGRAM AUDIT

At its meeting on February 5, 2016, Council passed a motion to undertake a review of the Government Liaison Program (GLP). The review was undertaken to determine whether the GLP is operating as designed and whether it is achieving the expected results.

Don Dickson, D & B Dickson Management Solutions Inc., was engaged to conduct the review following an RFP issued May 13, 2016. Don Dickson presented his report and answered questions.

Moved by Councillor Spink, seconded by Councillor Shreewastav:

- 1. That Council receive the *Government Liaison Program Audit* report as presented to the meeting at C-509-2.1, Appendix A.**
- 2. That Council direct the Registrar, in consultation with the Government Liaison Committee, to undertake the development of a plan to implement the recommendations contained in the *Government Liaison Program Audit* report as presented to the meeting at C-509-2.1, Appendix A.**
- 3. That the implementation plan as specified in motion 2 be brought back to Council for approval at the June 2017 Council meeting.**

CARRIED

11718
2017 OPERATING BUDGET

The Finance Committee (FIC) completed its review of the draft 2017 operating and capital budgets on October 25, 2016. A balanced budget which meets the reserve requirements required by Council policy was presented.

Councillor Jones, Finance Committee Chair, provided his comments regarding the surplus budget. He stated that the variances are now presented against prior year forecasts which are “near actuals” as the year passes. Staff head count is now reported by Department with attached payroll costs which is good for transparency

Councillor Jones noted that the head count is up to 108 staff despite automation such as Aptify and online licensing. He is recommending a task force consisting of FIC and HRC representatives be established to determine guidelines for replacing and recruiting staff. He also suggested wrapping all the payroll into the individual project and program line items to better represent true costs of each and enhance transparency.

Councillor Jones thanked FIC Vice-Chair Ravi Gupta for his diligent forensics on the draft budget, particularly on the capital accounts. He also thanked Chetan Mehta, Director, Finance and his staff. Registrar McDonald has agreed to provide a rolling five-year snapshot of

operating budgets. Staff have been directed to do a trend analysis to fine-tune revenue and expenses which has already commenced.

Councillor Jones thanked Councillor Sadr, RCC Chair, for his assistance on the Chapter budget line item, explaining the requested 13.7% increase. He also thanked the FIC members for their work in reviewing the 2017 draft budget. The committee will monitor spending on a quarterly basis over the next twelve months.

Councillor Sadr advised that the RCC, at its November 5th meeting, discussed and approved the gathering of monthly Chapter bank balances starting January 2015 to current, with the assistance of Matt Ng, Manager, Chapters, and his staff. This will provide trending information of spending patterns and understanding of cash flow for all Chapters, which in turn will assist in determining the allotment distribution to the 36 Chapters and the implementation of lowering the Chapter bank balances to 50% by year end is in progress.

A request was made that the Finance Committee review the financial implications of a \$20.00 fee reduction related to the purchase of 40 Sheppard Avenue West and report back to Council by March 2017. Councillor Jones, Chair, Finance Committee, accepted this request.

Further to a query regarding the outstanding mortgage for 40 Sheppard Avenue West Councillor Jones advised that retirement of the mortgage was on track for 2019.

Moved by Councillor Jones, seconded by Councillor Sadr:

That Council approve the draft 2017 operating budget as recommended by the Finance Committee and as presented to the meeting at C-509-2.2, Appendix A.

CARRIED
Recorded Vote

For

C. Bellini
G. Boone
D. Brown
M. Chan
T. Chong
D. Chui
B. Dony
R. Fraser
R. Hilton
G. Houghton
Q. Jackson
T. Kirkby

Against

R. Jones

E. Kuczera
L. Lederman
M. Long-Irwin
D. Preley
P. Quinn
N. Rush
C. Sadr
R. Shreewastav
M. Spink
N. Takessian
W. Turnbull
M. Wesa

11719
2017 CAPITAL BUDGET

Moved by Councillor Jones, seconded by Past President Chong:

That Council approve the Draft 2017 Capital Budget as recommended by the Finance Committee as presented to the meeting at C-509-2.3, Appendix A.

CARRIED

11720
BORROWING RESOLUTION

To help manage the working capital and provide convenience to senior volunteers and staff, Scotiabank provides PEO two credit facilities in the form of an operating overdraft and corporate credit cards.

Moved by Councillor Jones, seconded by Councillor Takessian:

That Council:

a) approve the borrowing of money upon the credit of the association by way of:

i) an operating overdraft up to an amount not to exceed CAD\$250,000; and

ii) use of corporate credit cards with an aggregate limit not to exceed CAD\$120,000.

b) in compliance with PEO's Internal Control Banking Policy, hereby confirms that this Borrowing Resolution is to expire on January 31, 2018.

CARRIED

11721
INVESTMENT POLICIES

PEO maintains investment portfolios to manage its operating reserve fund and its registered employee pension plan. The minimum cash balance requirement for the operating reserve mandated by Council is \$4.5 million whereas the registered pension plan is required to be in compliance with the Pensions Benefits Act and other relevant legislation. These investment portfolios are separate funds that are managed in

accordance with their individual mandates. The investment policies for both of these funds had not been reviewed or updated since 2009. An Investment Sub-Committee was set up in 2015 to assess the performance of these funds and to investigate whether changes to the respective investment policies were needed. In early February 2016 the Investment Sub-Committee met with Scotia Institutional Asset Management, the investment manager for the operating reserve fund and Mackenzie Investments, the investment manager for the pension plan assets. Both of these investment managers suggested that the asset mix in the investment policies be modified to assist PEO in achieving the risk return objectives in each policy.

After extensive discussions and deliberations, the Investment Sub-Committee agreed to recommend the changes proposed by the investment managers to the Finance Committee. These changes were incorporated in the Investment policy for the operating reserve fund and the pension plan assets and subsequently approved by the Finance Committee and then the Audit Committee.

Councillor Lederman declared that he would abstain from voting due to a possible conflict of interest related to a family member.

A request was made to provide Council with a clean copy, without track changes, of the Investment Policy, Appendix A.

Moved by Vice President Brown, seconded by Past President Chong:

That Council:

- a. Approve the revised investment policy for the operating reserve fund assets (Investment Policy) which incorporates the changes proposed by Scotia Institutional Asset Management (SIAM) as presented to the meeting at C-509-2.5, Appendix A.**
- b. Approve the revised investment policy for the pension plan assets (Pension Plan Statement of Investment Policies and Procedures (SIP&P)) which incorporates the changes proposed by Mackenzie Investments as presented to the meeting at C-509-2.5, Appendix B.**
- c. Task the Registrar to ensure that an Investment Subcommittee is formed every year to review Council's Investment Policy.**

CARRIED

**11722
(CP)² IMPLEMENTATION TASK FORCE
FINAL REPORT**

Council created the Continuing Professional Competence Program Implementation Task Force ((CP)² TF) in order “to establish criteria and details for elements needed to operationalize the program proposed by the Continuing Professional Development, Competency, and Quality

Assurance Task Force.” The Task Force completed its work and provided the requested report for Council approval. In addition to this report, the task force Chair provided Council with updates on the proposed program on three occasions (June 2016, September 2016 and Plenary Session, November 2016).

Councillor Turnbull provided highlights of the Practice Evaluation and Knowledge (PEAK) Program.

Moved by Councillor Turnbull, seconded by Councillor Sadr:

That Council receive the Final Report of the Continuing Professional Competence Program Task Force found in as presented to the meeting at C-509-2.6, Appendix A.

Moved by Councillor Fraser, seconded by Councillor Jones:

That the main motion be amended to read:

That Council receive the Report of the Continuing Professional Competence Program Task Force found in as presented to the meeting at C-509-2.6, Appendix A and the task force bring to Council its recommended constraints and guiding principles to the February Council meeting.

MAIN MOTION AS AMENDED CARRIED

Moved by Councillor Turnbull, seconded by Councillor Sadr:

Direct the Registrar to implement the communications plan and continue development of the program elements and operational activities required to roll-out on March 31, 2017 the PEAK program described in the Report.

Moved by Councillor Fraser, seconded by Vice President Quinn:

That the main motion be amended to read:

Direct the Registrar to implement the communications plan and continue development of the program elements and operational activities required to roll-out on March 31, 2017 the voluntary PEAK program described in the Report.

AMENDMENT WITHDRAWN

Council then considered the original motion.

Direct the Registrar to implement the communications plan and continue development of the program elements and operational

activities required to roll-out on March 31, 2017 the PEAK program described in the Report.

CARRIED

Moved by Councillor Turnbull, seconded by Councillor Sadr:

That Council direct the Registrar to provide a report to Council at its June 2018 meeting providing information on the first-year of operation of the PEAK program and providing recommendations to Council on the next steps.

Moved by Councillor Fraser, seconded by Vice President Quinn:

That the main motion be amended to read:

That Council direct the Registrar to provide a report to Council at its June 2018 meeting providing information on the first-year of operation of the PEAK program with required reporting and voluntary hours and providing recommendations to Council on the next steps.

AMENDMENT WITHDRAWN

In response to a query regarding timelines Registrar McDonald advised that the program that is being approved by Council would continue until June 2018 when the report on the PEAK Program comes back to Council. Council would then decide next steps. Should one of the next steps be to implement mandatory CPD, then based on the motion that Council has approved, Council would have to consider a referendum. If, however, Council decides to continue with the program as it is currently constituted, the program would continue in its present form.

Councillor Spink noted that mandatory CPD will be the decision of Council in 2018. The proposed PEAK Program is a data gathering exercise which will provide information on practitioners who are already doing CPD.

Council then considered the original motion.

That Council direct the Registrar to provide a report to Council at its June 2018 meeting providing information on the first-year of operation of the PEAK program and providing recommendations to Council on the next steps.

CARRIED

Council directed staff to provide a report at its February Council meeting regarding any revisions to the 23 items listed in the Risk Assessment questionnaire as a result of the comments that were received.

Councillor Turnbull noted that the (CP)² Task Force members will take into account all of the comments from the license holders and that necessary modifications will be made.

**11723
PROCESS TO APPOINT ENGINEERS
CANADA DIRECTORS**

At its March 2016 meeting, Council appointed Directors to the Engineers Canada Board of Directors. Subsequent to that meeting, the Human Resources Committee (HRC) reviewed the process and identified some concerns that included: the eligibility criteria to be nominated were too broad resulting in too many applicants; the qualifications of applicants; and the ability to ensure knowledgeable Council representation on the Engineers Canada Board. As a result, the HRC asked Council to consider revising the eligibility criteria and appointment process for PEO Directors on the Engineers Canada Board of Directors.

Councillor Lederman stated that the requirement that any nominee wishing to serve on the Engineers Canada Board as a PEO representative must be a PEO and OSPE member is in direct contravention of PEO's statute. PEO is a statutory body set up by the government and legislature of the Province of Ontario. Lieutenant Governor Appointees are just as much members of PEO Council as any elected engineer. The whole distinction is not only spurious in his view but contrary to public policy and that if this is the choice of Council he believes it will be ultra vires and will call into question the validity of any election that results from its defective structure. It is for this reason that he will cast a dissenting vote.

Vice President Brown noted that Engineers Canada is not representing the interests of the public at large but rather the interests of the constituent associations at a national level.

Moved by Vice President Brown, seconded by Councillor Sadr:

That Council approve the document, *"Terms of Reference, Expectations and Appointment Process for PEO Directors on Engineers Canada Board of Directors"* as presented to the meeting at C-509-2.7, Appendix A.

Moved by Councillor Fraser, seconded by Councillor Jones:

That the main motion be amended to read:

That Council approve the document, *"Terms of Reference, Expectations and Appointment Process for PEO Directors on Engineers Canada Board of Directors"* as presented to the meeting at C-509-2.7, amended Appendix A by inserting the word "normally" under the Eligibility heading so that the sentence reads "To be eligible, a nominee for the position of Engineers Canada Director must normally be a current Councillor...."

AMENDMENT WITHDRAWN

Moved by Councillor Fraser, seconded by Councillor Jones:

That the main motion be amended to read:

That Council approve the document, “Terms of Reference, Expectations and Appointment Process for PEO Directors on Engineers Canada Board of Directors” as presented to the meeting at C-509-2.7, amended Appendix A by inserting a sentence under the Eligibility heading so that the sentence reads “That exceptions to eligibility requirements may be made by Council on a case by case basis.”

AMENDMENT DEFEATED

Moved by Councillor Chui, seconded by Councillor Chan:

That the main motion be amended to read:

That Council approve the document, “Terms of Reference, Expectations and Appointment Process for PEO Directors on Engineers Canada Board of Directors” as presented to the meeting at C-509-2.7, amended Appendix A by deleting the last sentence in the first paragraph under the Eligibility heading “Nominees must also be PEO and OSPE members.”

AMENDMENT DEFEATED

Council then considered the original motion.

That Council approve the document, “Terms of Reference, Expectations and Appointment Process for PEO Directors on Engineers Canada Board of Directors” as presented to the meeting at C-509-2.7, Appendix A.

CARRIED

**11724
NEW GUIDELINE – STRUCTURAL
CONDITION ASSESSMENTS OF EXISTING
BUILDINGS AND DESIGNATED
STRUCTURES**

The Professional Standards Committee (PSC) was instructed by Council to proceed with the development of this guideline as per the following motion:

487th Council meeting on September 26-27, 2013:

That the Professional Standards Committee be instructed to proceed with the development of a Guideline for Structural Engineering Assessments of Existing Buildings and Other Structures, and a performance standard for Structural Engineering Assessments of Existing Buildings described in the Terms of Reference attached in Appendices C-487-4.7, Appendix A.

The purpose of the guideline is to provide engineers who are performing

structural condition assessments of existing buildings and designated structures with the best practices for conducting their work, with special emphasis on their duties to their employers, clients and the public.

[Secretariat Note: By Council convention the following motion required a two-thirds majority of votes cast to carry.]

Moved by Councillor Jones, seconded by Past President Chong:

That Council:

- 1. Approve the practice guideline for Structural Condition Assessments of Existing Buildings and Designated Structures as presented to the meeting at C-509-2.8, Appendix A;**
- 2. Direct the Registrar to publish the guideline and notify members and the public of its publication through usual PEO communications.**

CARRIED

**11725
DISCLOSURE REQUIREMENT TO CLIENTS
IN LIEU OF A STRUCTURAL SPECIALIST
DESIGNATION**

The Professional Standards Committee was directed by Council to provide suggestions regarding alternatives to recommendation 1.5 of the *Report of the Elliot Lake Commission of Inquiry* for a structural specialist designation that may be acceptable to PEO membership:

497 Council Meeting – Open Session – November 21, 2014:
That Council approve the review of the Implementation Plan for the Elliot Lake Commission of Inquiry Recommendations requiring PEO action, as presented to the meeting at C-497-4.1, Appendix A.

[Secretariat Note: The following motion required a two-thirds majority of votes cast to carry.]

Moved by Councillor Jones, seconded by Councillor Wesa:

That Council direct the Professional Standards Committee to include disclosure requirements to clients in the Performance Standard for Structural Condition Assessments of Existing Buildings, in lieu of a Structural Specialist Designation.

Moved by Vice President Quinn, seconded by Councillor Chui:

That the main motion be amended to read:

That Council direct the Professional Standards Committee to include disclosure requirements to clients in the Performance Standard for Structural Condition Assessments of Existing Buildings.

MAIN MOTION AS AMENDED DEFEATED

Council then considered the original motion.

That Council direct the Professional Standards Committee to include disclosure requirements to clients in the Performance Standard for Structural Condition Assessments of Existing Buildings, in lieu of a Structural Specialist Designation.

CARRIED

**11726
FORMING A SUBCOMMITTEE TO REVISE
THE ENVIRONMENTAL SITE ASSESSMENT,
REMEDICATION AND MANAGMENT
GUIDELINE**

The current Guideline for *Professional Engineers Providing Services in Environmental Site Assessment, Remediation and Management* was published in 1996 and has not been revised since then. In the intervening 20 years there have been numerous changes to the standards that affect Environmental Site Assessment and Remediation. As a result, there have been significant changes in the Environmental Site Assessment and Remediation services.

Moved by Councillor Jones, seconded by Councillor Bellini:

That Council direct the Professional Standards Committee to form an Environmental Site Assessment, Remediation and Management Subcommittee to complete the work described in the Terms of Reference as presented to the meeting at C-509-2.10, Appendix A.

CARRIED

**11727
FORMING A SUBCOMMITTEE TO REVISE
THE PROVIDING REPORTS ON MINERAL
PROPERTIES GUIDELINE**

The current Guideline for *Professional Engineers Providing Reports on Mineral Properties* was published in 2002 and has not been revised since then. In the intervening 14 years there have been numerous changes to the technical guidelines and standards in the exploration and mining industry.

Moved by Councillor Jones, seconded by Past President Chong:

That Council direct the Professional Standards Committee to form a Professional Engineers Providing Reports on Mineral Projects Subcommittee to complete the work described in the Terms of Reference as presented to the meeting at C-509-2.11, Appendix A.

CARRIED

**11728
FORMING A JOINT SUBCOMMITTEE WITH
OAA TO PREPARE NEW COORDINATING
LICENSED PROFESSIONAL GUIDELINE**

PEO Council supports in principle a Professional Coordinator mandated in the Building Code as described in the Motion at 494 Council Meeting on June 9, 2014.

Elliot Lake Inquiry Recommendation No. 1.27 recommended either a professional engineer or an architect be designated by the owner or the owner's agent as the prime consultant (Coordinating Licensed Professional) to perform the roles and responsibilities of that position.

PEO's Submission to the Elliot Lake Policy Roundtable indicates that, "PEO

supports amendment of the Ontario Building Code to provide that the owner of a structure must name a prime consultant (Coordinating Licensed Professional) in the application for a building permit”.

Engineers, Architects and Building Officials (EABO) submitted a letter to Ministry of Municipal Affairs and Housing, Ontario Association of Architects, and Professional Engineers Ontario regarding Professional Design and Review Coordination.

The Building Advisory Council recommended the implementation of mandatory professional design coordination roles in their 2012 Report.

Moved by Councillor Jones, seconded by Councillor Turnbull:

That Council direct the Professional Standards Committee to form a Coordinating Licensed Professional Joint Subcommittee to develop a Practice Guideline and Performance Standard as presented to the meeting at C-509-2.12, Appendix A.

CARRIED

**11729
CANADIAN ENGINEERING
ACCREDITATION BOARD (CEAB) –
ACCREDITATION DECISIONS**

At the November 2007 Council meeting, Council passed the following motion regarding the Licensing Process Task Force (LPTF) Implementation Plan:

That the Registrar, in consultation with the Licensing Process Task Force, be authorized to prepare an implementation plan for the above recommendations as approved by Council, and to finalize the necessary amendments to the Regulations, for approval by Council.

Item A1.1 of the LPTF Implementation Plan states as follows:

That Council approve annually, or more often if required, the list of academic programs that are accredited (by CEAB) and that meet the intent of Section 33.(1) 1. i. of the Regulations.

Moved by President-elect Dony, seconded by Councillor Shreewastav:

That Council approve the list of academic programs as presented to the meeting at C-509-2.13, Appendix A, that have been accredited (by CEAB) and that meet the intent of Section 33.(1) 1.i. of the Regulations.

CARRIED

**11730
CANADIAN ENGINEERING
ACCREDITATION BOARD (CEAB) –
GENERAL VISITORS AND CEAB
ACCREDITATION AGENDA
RECONFIRMATION**

PEO Council was requested to reconfirm the authority of the CEAB to act as PEO's accreditation agent for undergraduate engineering programs for the 2016-2017 academic year in accordance with PEO Council's previous motions.

Moved by President-elect Dony, seconded by Councillor Takessian:

That Council:

- a. receive the Canadian Engineering Accreditation Board (CEAB) General Visitors Status Log Report, as presented to the meeting at C-509-2.14, Appendix B; and
- b. reconfirm the authority of CEAB to act as PEO's accreditation agent for undergraduate engineering programs for 2016-2017 based on the CEAB Accreditation Criteria as approved at the September 2016 Engineers Canada Board Meeting.

Moved by Councillor Fraser, seconded by Vice President Quinn:

That the Canadian Engineering Accreditation Board (CEAB) – General Visitors and CEAB Accreditation agent reconfirmation be referred to Academics Requirements Committee (ARC).

MOTION DEFEATED

Councillor Fraser noted that the Deans want to substitute attributes for the minimum path component of CEAB; however, he contended that they are not understanding accreditation. Councillor Fraser further stated that there are other parts to the CEAB process that are not a direct concern to PEO as a regulator and that he is against the inclusion of attributes as an approved aspect of the CEAB accreditation criteria. Councillor Fraser also noted that Council previously passed a motion supporting a minimum path in the CEAB process. If the attributes happen to involve the minimum path he is not averse to that but as a regulator PEO should be supporting minimum path standards as the means to meeting the academic standards.

Moved by Councillor Fraser, seconded by Vice President Quinn:

That the main motion be amended to read:

That Council:

- a. receive the Canadian Engineering Accreditation Board (CEAB) General Visitors Status Log Report, as presented to the meeting at C-509-2.14, Appendix B; and
- b. reconfirm the authority of CEAB to act as PEO's accreditation agent for undergraduate engineering programs for 2016-2017 based on the minimum path component of CEAB Accreditation Criteria as approved at the September 2016 Engineers Canada Board Meeting.

AMENDMENT DEFEATED

Council then considered the original motion.

That Council:

- a. **receive the Canadian Engineering Accreditation Board (CEAB) General Visitors Status Log Report, as presented to the meeting at C-509-2.14, Appendix B; and**
- b. **reconfirm the authority of CEAB to act as PEO's accreditation agent for undergraduate engineering programs for 2016-2017 based on the CEAB Accreditation Criteria as approved at the September 2016 Engineers Canada Board Meeting.**

CARRIED

Council directed the Registrar to communicate to Engineers Canada the decision of Council to reconfirm the authority of the CEAB to act as PEO's accreditation agent for undergraduate engineering programs for the 2016-2017 academic year in accordance with PEO Council's previous motions.

**11731
PEO ANNUAL COMMITTEES AND TASK
FORCES MEMBERSHIP ROSTER**

It is the role of Council to approve annual rosters of committee members under the Committees and Task Forces Policy (Role of Council, Item 4) and authorize the membership of those volunteers who formally participate on its behalf through membership on committees and task forces. Furthermore, Council is asked to approve volunteer members of committees and task forces in accordance with PEO's insurance policy requirements.

Appendix A sets out changes to the Sections 2 (Other Committees Reporting to Council), 4 (Task Forces) and 5 (External Appointments) of the current Roster such as election of Chairs/Vice Chairs, resignations, re-appointment, appointments of new members for a one-year term.

Appendix B is the *2017 Committees and Task Forces Membership Roster* that requires Council approval.

President Comrie noted that both of the above documents (Appendix A and B) had been revised and as such were distributed at the meeting. Of particular note were the three P.Eng. members, Paul Ballantyne, Ishwar Bhatia and Rishi Kumar who were already on the Discipline Committee (DIC) but moved to the category "Appointed per 21. (1) 2.ii (not a member of Council and approved by the Attorney General)."

Moved by Councillor Bellini, seconded by Councillor Jones:

That Council:

- a. **approve changes to the 2016 PEO Annual Committees and Task Forces Membership Roster as presented at C-509-2.15, amended Appendix A.**
- b. **approve the 2017 PEO Annual Committees and Task Forces**

**Membership Roster as presented at C-509-2.15, amended
Appendix B.**

CARRIED

President Comrie advised that two committees, the Education Committee (EDU) and Registration Committee (REC), do not currently have an appointed Council liaison. Interested councillors were asked to contact President Comrie or Fern Goncalves.

**11732
CONSENT AGENDA**

Moved by Councillor Kuczera, seconded by Councillor Preley:

Included on the consent agenda:

- 3.1 Minutes – 245th EXE Committee meeting – July 21, 2016
- 3.2 Minutes – 508th Council meeting – September 23, 2016
- 3.3 Approval of CEDC Applications
- 3.4 Committees and Task Forces Human Resources and Work Plans
- 3.5 Revised Term of Reference for the Joint Relations Committee

[Note: minutes 11733 to 11737 reflect the motions provided in the briefing notes presented to the meeting.]

**11733
MINUTES – 245th EXECUTIVE COMMITTEE
MEETING – JULY 21, 2016**

That the minutes of the open session of the 245th meeting of the Executive Committee, held on July 21, 2016 as presented to the meeting at C-509-3.1, Appendix A be ratified.

CARRIED

**11734
MINUTES – 508th COUNCIL MEETING –
SEPTEMBER 23, 2016**

That the minutes of the open session of the 508th meeting of Council, held on September 23, 2016 as presented to the meeting at C-509-3.2, Appendix A, accurately reflect the business transacted at that meeting.

CARRIED

**11735
APPROVAL OF CEDC APPLICATIONS**

1. **That Council approve the exemption from examinations and the applications for designation as Consulting Engineer as presented to the meeting at C-509-3.3, Appendix A, Section 1.**
2. **That Council approve the applications for re-designation as Consulting Engineer as presented to the meeting at C-509-3.3, Appendix A, Section 2.**
3. **That Council grant permission to use the title “Consulting Engineers” (or variations thereof) to the firms as presented to the meeting at C-509-3.3, Appendix A, Section 3.**

CARRIED

**11736
COMMITTEES AND TASK FORCES HUMAN
RESOURCES AND WORK PLANS**

That the committee/task force work plans and human resources plans as presented to the meeting at C-509-3.4, Appendices A to M inclusive be approved.

CARRIED

**11737
REVISED TERMS OF REFERENCE FOR THE
JOINT RELATIONS COMMITTEE**

That Council approve the revised OSPE-PEO Joint Relations Committee (JRC) Terms of Reference as presented to the meeting at C-509-3.5, Appendix A.

CARRIED

**11738
LEGISLATION COMMITTEE UPDATE**

Councillor Kuczera advised that the Legislation Committee, at its October 14th meeting, reviewed a response from the Complaints Committee regarding a request for comment on three outstanding Council motions that stemmed from the Complaints and Discipline Task Force. The Complaints Committee will be bringing these motions back to Council for rescinding as the original issues have been addressed through operational approaches.

The Legislation Committee has received permission from the Finance Committee to continue drafting bylaw changes that are required in order to move all of the fees in the Regulation to Bylaw 1. Legal counsel has been engaged to prepare that draft. Once this has been reviewed and approved by the Legislation Committee, the bylaw changes will be presented to Council and, subject to approval, will be forwarded to the attention of the Attorney General to begin drafting the Regulation changes and proclamations.

On November 4th the Legislation Committee reviewed a list of references to Engineer and Engineering in other Ontario statutes and regulations to be categorized by their level of potential regulatory conflict with the Act and its Regulations.

A motion was passed to request the Human Resources Committee to appoint a replacement for Bill Kossta whose term as LGA expired recently.

The committee is preparing for a meeting with the Attorney General's policy staff to review PEO's ten Belanger related Act change requests.

**11739
REGIONAL CONGRESS UPDATE**

Councillor Sadr advised that the RCC has approved a welcome package for new volunteers. Every new volunteer who joins the Chapter Board will now receive this package which includes various governance documents describing how PEO operates, structure, etc.

RCC approved a letter to be sent shortly to Chapters encouraging Chapter executives to invite all election candidates to speak at Chapter meetings.

**11740
ENGINEERS CANADA UPDATE**

Chris Roney provided an additional update to the written report that was provided in the Council agenda package. He referred to the

different promising practices happening at the different constituent associations across Canada as well as regulators and other bodies in the United States and elsewhere. He described the work coming out of PEO's (CP)² Task Force as innovative, moving PEO beyond the first version of CPD adopted by other regulators to the next generation which is far more effective.

Chris Roney described an initiative by APEGBC called "Organizational Quality Management" which is directly focussed on what the regulator would have to do to instill, foster and encourage really good practices since the Certificate of Authorization requirement does not exist in British Columbia. This is a voluntary program that firms sign up for to ensure that the engineers working for them are aware of and follow the practice guidelines. There are now 460 different firms in this program including B.C. Hydro and the City of Vancouver.

APEGBC has also developed structured intern programs for EITs who have completed their academics and are seeking licensure. Under this program, employers develop training programs which are accredited by the regulator so the EITs going through this program are known. This allows for streamlining of the applications.

Several provincial regulators have worked together to make it easier for licensees to apply or renew their licences across multiple jurisdictions by enabling the licensee to tick off a box if they want to become licensed or renew their licence in another province or territory. Each jurisdiction continues to do its own screening, etc.

Chris Roney attended a seminar hosted by the National Council of Examiners of Engineering and Surveys (NCEES). They are looking at a way of instilling law and ethics in their exam program and referred to Canada's PPE program as the ideal model to follow.

Engineers Canada, at its September Board meeting, reaffirmed that the primary purpose of accreditation is to support the licensing activities of the regulators.

There were no questions or comments.

**11741
STATISTICS – COMPLAINTS, DISCIPLINE,
LICENSING AND REGISTRATION UPDATE**

**11742
GLP INVOLVEMENT IN THE REPEAL OF THE
INDUSTRIAL EXCEPTION**

Council was provided with information regarding the level of the Government Liaison Program involvement in the Repeal of the Industrial Exception.

It was noted that the Repeal Task Force has not been stood down despite being inactive since 2013.

Moved by Councillor Kuczera, seconded by Councillor Turnbull:

That Council move in-camera.

CARRIED

**11743
IN-CAMERA SESSION**

While in-camera, Council:

- a) ratified the in-camera minutes from the 245th Executive Committee meeting – July 21, 2016;
- b) verified the in-camera minutes from the 508TH meeting of Council held September 23, 2016 as presented;
- c) rescinded motion for proposed performance standard and develop practice guideline;
- d) approved inductees for the 2017 Order of Honour Awards;
- e) approved the recipients for the 2017 Gordon M. Sterling Engineering Intern Award;
- f) approved the recipient of the 2017 President's Award;
- g) received an HRC Update
- h) received decisions and reasons of the Discipline Committee;
- i) received a legal update on legal actions in which PEO is involved;
- j) noted there were no issues reported regarding PEO's Anti-Workplace Violence and Harassment Policy.

Moved by Councillor Kirkby, seconded by Councillor Bellini:

That Council return to open session.

CARRIED

**11744
RESCIND MOTION FOR PROPOSED
PERFORMANCE STANDARD AND DEVELOP
PRACTICE GUIDELINE**

The following in-camera resolution from the November 2016 Council meeting was moved into open session:

That Council rescind the following motion previously passed on February 8, 2013:

1. ***That Council accept in principle the following practice standard:
a. Delegating and Supervising Professional Engineering Work
(Appendix A):***

CARRIED

2. **That Council direct the Professional Standards Committee (PSC) to develop a practice guideline, *Assuming Responsibility and Supervising Engineering Services* in consideration of sections 12(3)b, and 17(2) in the *Professional Engineers Act* as presented to the meeting in the Terms of Reference at C-509-4.3, Appendix A.**

CARRIED

**11745
COUNCILLOR ITEMS**

PEO Forum

Councillor Boone advised that there is concern from the Eastern Region regarding the elimination of the PEO Forum since it is still being utilized. President Comrie advised that the PEO Forum is still operating and that staff are looking at options for a more secure alternative.

There being no further business, the meeting concluded.

These minutes consist of nineteen pages and minutes 11715 to 11745 inclusive.

G. Comrie, P.Eng., CMC, Chair

G. McDonald, P.Eng., Registrar

DRAFT

CHANGES TO THE 2017 PEO COMMITTEES AND TASK FORCES MEMBERSHIP ROSTER

Purpose: To approve changes to Sections 2 (Other Committees reporting to Council) and 4 (Task Forces) of the *2017 PEO Committees and Task Forces Membership Roster*.

Motion(s) to consider: (requires a simple majority of votes cast to carry)

That Council approve changes to the *2017 PEO Committees and Task Forces Membership Roster* as presented at C-510-3.3, Appendix A.

Prepared by: Fern Gonçalves, CHRP, Director People Development

Moved by: Councillor Bellini, P.Eng.

1. Need for PEO Action

It is the role of Council to approve annual rosters of committee members under the Committees and Task Forces Policy (Role of Council, Item 4) and authorize the membership of those volunteers who formally participate on its behalf through membership on committees and task forces. Furthermore, Council is asked to approve volunteer members of committees and task forces in accordance with PEO's insurance policy requirements.

Council approved the *2017 PEO Committees and Task Forces Membership Roster* at the November 18, 2016 meeting.

Appendix A sets out changes to the Sections 2 (Other Committees reporting to Council) and 4 (Task Forces) of the approved Roster that require Council approval at this time.

2. Proposed Action / Recommendation

Approve the changes to Section 2 of the *2017 PEO Committees and Task Forces Membership Roster* as per the Committees and Task Forces Policy, Role of Council (Item 4).

3. Next Steps (if motion approved)

- a. The newly appointed and re-appointed members will be notified accordingly.
- b. Names of newly elected or re-elected Committee Chairs will be posted on the PEO's website.
- c. The updated *2017 PEO Committee and Task Force Membership Roster* will be posted on PEO's website.

4. Peer Review & Process Followed

Process Followed	Committees and Task Forces Policy – Role of Council Item 4: Approve the annual roster of committee members. The HRC reviewed the changes to the 2017 PEO Committees and Task Force Membership Roster at its meeting on February 2, 2017.
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5. Appendices

- Appendix A – Changes to the *2017 PEO Committees and Task Forces Membership Roster*.

**Changes to the 2017 PEO Committees and
Task Forces Membership Roster**

C-510-3.3
Appendix A

510th Council Meeting

New appointments:

First/Last Name	Service Dates	Committee / Task Force
Lisa Lovery, P.Eng.	January 6, 2017 – December 31, 2017	Advisory Committee on Volunteers (ACV)
Kiran Hirpara, P.Eng.	January 17, 2017 – December 31, 2017	Awards Committee (AWC)
Sally Thompson, P.Eng.	January 11, 2017 – December 31, 2017	Professional Standards Committee (PSC) - Guideline for Performance Audits and Reserve Funds Studies for Condominiums Subcommittee

The above volunteers have completed a formal application process and, in consultation with the Committee Advisors, were evaluated by the Director, People Development and approved by the Registrar to serve on the respective committee/subcommittee, in accordance with the *PEO Committee and Task Force Policy* (Section 7.4). All volunteers have completed the Equity and Diversity Awareness module.

Changes to the Roster – election of Chairs/Vice Chairs and other:

First/Last Name	Term [per Terms of Reference and C & TF Policy]	Committee / Task Force
Chris Kan, P.Eng.	1-year term	Advisory Committee on Volunteers (ACV) - Chair
Sean McCann, P.Eng.	1-year term	Advisory Committee on Volunteers (ACV) – Vice Chair
John Severino, P.Eng.	1-year term	Awards Committee (AWC) – Chair
Anthony Cecutti, P.Eng.	1-year term	Complaints Committee (COC) – Chair
Chris Roney, P.Eng.	1-year term	Complaints Committee (COC) – Vice Chair
Wayne Kershaw, P.Eng.	Task Force term	Council Composition Task Force (CCTF) - Chair
Roger Jones, P.Eng.	Task Force term	Council Composition Task Force (CCTF) – Vice Chair
Tim Kirkby, P.Eng.	Council term	Council Composition Task Force (CCTF) – Council Liaison
Roger Barker, P.Eng.	1-year term	Enforcement Committee (ENF) – Chair
Steven Georgas, P.Eng.	1-year term	Enforcement Committee (ENF) – Vice Chair
David Kiguel, P.Eng.	February 3, 2017 – December 31, 2017	Licensing Committee (LIC) member

Committee and Task Force Resignations/Retirements:

First/Last Name	Service Dates	Committee / Task Force
Simone Larcher, P.Eng.	2016 – January 17, 2017	Equity and Diversity Committee (EDC)

**Changes to the 2017 PEO Committees and
Task Forces Membership Roster**

510th Council Meeting

Elmer Mittelstaedt, P.Eng.	1998 – November 29, 2016	Experience Requirements Committee (ERC)
David Uren, P.Eng.	2012 – December 28, 2016	Professional Standards Committee (PSC) - Guideline for Performance Audits and Reserve Funds Studies for Condominiums Subcommittee

In Camera Session

In-camera sessions are closed to the public

Briefing Note – Information

C-510-5.1

LEGISLATION COMMITTEE UPDATE

Purpose: To inform Council of the recent activities of the Legislation Committee.

Motion(s) to consider:

none required

Councillor Kuczera, Chair of the Legislation Committee, will provide a report on activities of the Legislation Committee.

Regional Councillors Committee (RCC) Update

Purpose: To update Council on RCC activities

No motion required

Prepared by: Matt Ng., P.Eng., Manager, Chapters

Councillor Sadr, Chair of the Regional Councillors Committee (RCC), will provide a report on activities of the RCC.

Appendices

At its August 2010 meeting, the Executive Committee, by consensus, agreed that a Regional Councillors Report, setting out chapter issues that were approved at each Regional Congress to go forward to Regional Councillors Committee, be included as an information item on future Council agendas.

- Appendix A – Regional Congress Open Issues Report.

Regional Congress Open Issues

<i>Issue</i>	<i>Date Opened</i>	<i>Motion Text</i>	<i>Mover Seconder</i>	<i>Update Description</i>	<i>Meeting</i>	<i>Revision Date</i>	<i>Recommendation</i>	<i>Closed</i>	<i>Action By</i>
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Western

55	Sep/2014	WRC requests RCC to establish a task force to consider recommended changes and potential implementation of the proposed structured EIT program as presented in the PENTA Forum 2014, so to address Western Open Issue 49 by 2015 PEO AGM.	W Kershaw, D Al-Jailawi	RCC Update: Chapter Manager to contact Angela Scott, Wayne Kershaw and Julien Samson to inquire if they would be interested in working with the Licensing Committee on identifying obstacles that individuals and companies are facing with the proposed structured EIT program.	RCC	05-Nov-16	Remain Open	<input type="checkbox"/>	M Ng
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<i>Issue</i>	<i>Date Opened</i>	<i>Motion Text</i>	<i>Mover Seconder</i>	<i>Update Description</i>	<i>Meeting</i>	<i>Revision Date</i>	<i>Recommendation</i>	<i>Closed</i>	<i>Action By</i>
56	Sep/2015	WRC requests RCC to request the PEO Licensing Committee to clarify the background associated with 30 hour supervised EIT experience per month requirement; to provide information on what is an acceptable way for how an EIT can get someone to vouch for his/her experience in the absence of a P.Eng. direct supervisor. The region further asks the committee to provide an explanation on why this is changed, and with the intent to change it back to what it was before.	M Irvine, N Birch	RCC update: Action has not been requested of the RCC at this point. M. Ng to forward the background email from Michael Price to Western Region delegates. M. Ng to contact Michael Price to request a timeline showing when the experience requirement will be reverted to what it had been.	RCC	05-Nov-16	Remain Open	<input type="checkbox"/>	

<i>Issue</i>	<i>Date Opened</i>	<i>Motion Text</i>	<i>Mover Seconder</i>	<i>Update Description</i>	<i>Meeting</i>	<i>Revision Date</i>	<i>Recommendation</i>	<i>Closed</i>	<i>Action By</i>
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West Central

32	Jun/2014	WCRC wants RCC to implement means of improving the knowledge new licensee have with regard to the role and mandate of PEO in society, its chapter system and volunteerism in general for the Association.	S Favell, J Chisholm	RCC Update: The "Welcome Package" revisions were provided at the July 23, 2016 RCC Meeting. At its current meeting, the RCC approved the revisions with instructions for M. Ng to submit the revisions to Licensing.	RCC	05-Nov-16	Remain Open	<input type="checkbox"/>	
37	Sep/2016	The WCRC would like to motion the RCC to examine the motion trail that lead to today's restrictions on chapter volunteers and regional councillors travel within their home chapter clarify and if needed or re-cast the policy for reimbursing our chapter volunteers on their mileage expenses.	G Abdelmessih, S Bhavsar	RCC Update: M. Ng to request from the West Central Chapters, estimates on the mileage each Executive would have travelled to attend a Chapter Executive meeting in 2015. M. Ng to compile and analyze data for presentation to the RCC. The motion trail was presented to and accepted by the RCC	RCC	05-Nov-16	Remain Open	<input type="checkbox"/>	M Ng

<i>Issue</i>	<i>Date Opened</i>	<i>Motion Text</i>	<i>Mover Secunder</i>	<i>Update Description</i>	<i>Meeting</i>	<i>Revision Date</i>	<i>Recommendation</i>	<i>Closed</i>	<i>Action By</i>
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Northern

38	Sep/2015	NRC requests RCC to recommend to Council to establish a task force to look at the size of the council make-up with reference to the James Dunsmuir's article in Engineering Dimensions May/June 2015 issue.	Z White, D Ch'ng	RCC Update: The Council Composition Task Force should report to Council early next year prior to the 2017 PEO AGM. Action has not been requested of the RCC.	RCC	05-Nov-16	Remain Open	<input type="checkbox"/>	
39	Feb/2016	NRC requests RCC to recommend to council to rescind the motion of a membership referendum for continuous professional development (CPD) program. It is the opinion of the NRC that PEO should have a mandatory CPD program for its members and administered by PEO.	M Barker, L Betuzzi	RCC Update: The (CP)2 Task Force will be presenting its final report to Council at its November 17-18, 2016 meeting. At that point, Council will decide if it will stand down the Task Force or keep it operational should there be required to follow-up of the Task Force. Action has not been requested of the RCC.	RCC	05-Nov-16	Remain Open	<input type="checkbox"/>	

<i>Issue</i>	<i>Date Opened</i>	<i>Motion Text</i>	<i>Mover Seconder</i>	<i>Update Description</i>	<i>Meeting</i>	<i>Revision Date</i>	<i>Recommendation</i>	<i>Closed</i>	<i>Action By</i>
40	Jun/2016	To raise the RCC Entrance Scholarship Fund from \$1000 per chapter to \$2000 per chapter.	R Bressan, A Aleman Chavez	RCC Update: The Region requests to keep this issue open until they receive the approved 2017 PEO budget. Action has not been requested of the RCC.	RCC	05-Nov-16	Recommend Close	<input type="checkbox"/>	
41	Sep/2016	The Northern Regional Congress (NRC) requests that the RCC approach the Experience Requirement Committee for a revamp of the communication process and establish a service standard for responses to applicants to PEO.	L. Keats, D. Jackowski	RCC Update: The RCC expressed concern regarding this open issue and has requested further information from the Experience Requirements Committee Chair and Staff in order to further address the Region's request.	RCC	05-Nov-16		<input type="checkbox"/>	

ENGINEERS CANADA UPDATE

Purpose: To inform Council of the recent activities of Engineers Canada

Motion(s) to consider:

none required

Annette Bergeron, one of PEO's Directors on the Engineers Canada board, will provide a verbal report.

Appendix A – Letter to Chris Roney from Engineers Nova Scotia Regarding Engineers Canada Accreditation Process

Appendix B – Accreditation – Update on Actions

C-510-5.3
Appendix A

January 12, 2017

Chris Roney, FEC, P.Eng.
President, Engineers Canada
55 Metcalfe Street, Suite 300
Ottawa, ON K1P 6L5

Re: Engineers Canada Accreditation Process

Dear Chris,

The Engineers Nova Scotia Council, and our Board of Examiners, both met recently to discuss concerns with the Engineers Canada accreditation process. I was asked to write to you to inform you of those concerns in advance of the Engineers Canada Board Meeting this coming February.

We are very concerned that higher education institutions are on a path to developing their own accreditation processes. We believe it is entirely inappropriate for the accreditation system to be designed or operated by institutions who are also seeking to be accredited. The Engineers Canada position on this is ambiguous as the messaging from Engineers Canada has been unclear and contradictory.

We believe that the various parties to the accreditation system have expressed some valid complaints. Those complaints have not been addressed in a timely manner, if at all. We also believe that the Engineers Canada Board has failed to deal with accreditation in an effective manner, and from our perspective confidence in the accreditation system has continued to erode to an all-time low. We believe that changes must be made quickly, by a nimble yet responsible group that involves the customers and acts before the situation degrades further. The Board has allowed an unacceptable situation to continue to fester.

It was noted at our Council discussions that one of the main reasons for the existence of Engineers Canada is the need for a national organization that can organize and implement an effective accreditation system that is well accepted across Canada. We are concerned that the fragmentation of that system, or even its eventual demise, will lead to a review of alternatives to accreditation and a complete rethinking of the need for our national body as it is structured today.

We believe these issues present the greatest and most imminent threat to the engineering profession in Canada. Indeed, at the Forum on Accreditation held last August, it was noted by both yourself and the Chair of the CEAB that the status quo is not an option and that the accreditation system needs to evolve to meet future requirements. Our Engineers Nova Scotia Council strongly encourages the Engineers Canada Board to provide the necessary resources to move these issues forward in a much more timely and responsible fashion.

Sincerely,

A handwritten signature in black ink, appearing to read "C. Zinck".

Chris Zinck, FEC, P.Eng.
President

cc. Engineers Nova Scotia Council
Constituent Association Presidents
Wayne MacQuarrie, FEC, P.Eng., CEAB Chair
Kim Allen, FEC, P.Eng., Engineers Canada CEO
Sarah Devereaux, FEC, P.Eng., Engineers Canada Director (NS)
Dr. Pemberton Cyrus, FEC, P.Eng., CEAB member (NS)

From the office of the President / Du cabinet du président

January 17, 2017

Dear Colleagues,

RE: Accreditation – Update on Actions

I'd like to take this opportunity to give you an update on the actions that are taking place to make improvements to our accreditation system to better address the needs and aspirations of our owners—the regulators—as well as our partners at the higher educational institutions (HEI) that we accredit, and to move forward on the many positive recommendations that came out of the Accreditation Forum that we held in August 2016.

Underscoring the linkage between the Accreditation Board and the regulators

The Engineers Canada accreditation system exists to support the licensing activities of our regulators and their admissions officials. We must be aware that our regulators need to be informed, consulted and engaged as we work to evolve accreditation. And we must also understand that the HEIs are our partners in this evolution.

Joint meeting of the Executive and the Accreditation Board Policies and Procedures (P&P) Committee

On January 9, 2017, I convened a joint meeting between the Engineers Canada Executive Committee and the Accreditation Board P&P Committee. The purpose of this joint meeting was to discuss the progress to date on the Accreditation Forum recommendations, to have a frank and open brain-storming session to explore what factors are critical to the successful future of our accreditation system, and to plan for the upcoming special Board Workshop on accreditation on February 26, 2017.

Committed to the evolution of our accreditation system

The Executive Committee and the Accreditation Board P&P Committee agreed that we are absolutely committed to the purpose of our accreditation system: to support the licensing activities of our regulators and their admissions officials. We are also committed to addressing the very real concerns of the NCDEAS by reducing the workload for both the HEIs and the Accreditation Board visiting teams, and evolving the accreditation system to ensure that HEIs are not constrained nor inhibited from implementing educational innovations. We agreed that our accreditation system must clearly recognize student exchange programs and must better

accommodate the reality that engineering education today no longer relies on in-classroom instruction to the same degree as it once did. These were the principal concerns expressed by the deans at their meeting in November, and concrete progress, as described below, is being made to make meaningful improvements to address all of these issues.

Better engagement

Better engagement between the Accreditation Board, our regulators and their admissions officials and volunteers, and the deans and other officials at HEIs who are involved with accreditation was identified as a key priority. To that end, the Accreditation Board and Engineers Canada staff have prepared a draft communication and engagement strategy to better link with our regulators' admissions officials and the deans at HEIs. The strategy includes engaging Accreditation Board members over the next several months to make presentations to and solicit feedback from regulators' councils, boards of examiners, CEOs and staff. In the longer term, other stakeholders will also be engaged.

Furthermore, Accreditation Board representatives met with the National Admissions Officials Group in September 2016 and with the NCDEAS in November 2016. The Accreditation Board presented at the Graduate Attributes/Continual Improvement summit in Toronto on December 8, 2016, which was attended by the Ontario HEIs. Accreditation Board representatives will meet with the HEI program chairs regarding the upcoming 2017/2018 accreditation visits on February 12, 2017. The Accreditation Board P&P is scheduled to meet with the Deans Liaison Committee on April 27, 2017, and to present to the NCDEAS on April 28, 2017. There have also been discussions with the Canadian Engineering Education Association about a more formal and active role for the Accreditation Board in their annual conference. Two Accreditation Board members have annually attended this conference. This engagement strategy flows from one of the key recommendations of the Accreditation Forum.

Alternate measures of curriculum content

The Accreditation Board P&P Committee's work plan includes exploring alternate means of assessing curriculum content, including suggesting alternatives to the existing Accreditation Units (AUs). AUs measure contact hours, while other systems use credit hours, student workload hours or a combination of all three to measure curriculum content. The Accreditation Board has already conducted, and continues to conduct, a great deal of research into accreditation and educational best practices in other jurisdictions, with the aim of ensuring that our system evolves to meet the changing educational and regulatory environment in engineering, and incorporates the best practices found elsewhere while respecting the purpose of accreditation in Canada. The Accreditation Board has shared their research findings with the NCDEAS and with the regulators' admissions officials. It was agreed that it would be extremely informative to prepare a table that compares and contrasts the current accreditation criteria and the path to licensure in Canada with the other major engineering accreditation systems in the world, since all of our Washington Accord partners measure curriculum content.

Understanding constraints in current criteria

In the next couple of months, the Accreditation Board will be surveying the HEIs to understand the constraints that they feel they are under given the current accreditation system. The results of this survey will be discussed with the NCDEAS in April 2017. The Accreditation Board will consider the findings and identify and fix shortcomings in current criteria or, where possible, show how existing tools could be used or altered to meet the HEIs' needs.

Conditional approval of programs and program changes

At the February Board meeting, the Accreditation Board will present a new process whereby HEIs who wish to develop new and innovative programs using alternate means of delivery, or to make significant changes to their existing programs, can have these programs receive conditional approval prior to launching the proposed change. The Accreditation Board expects that the necessary changes would be made in 2017.

The Accreditation Board will work with the HEIs to help them innovate while still meeting the minimum path requirements of accreditation. This addresses a key concern expressed by the HEIs that innovative changes were being hampered by the risk that these would not be accredited.

Streamlining and reducing workload

At its September 2016 workshop, the Accreditation Board identified strategies regarding the streamlining of the process of accreditation, and reducing workload without compromising the quality of our accreditation decisions. This, too, flows from the recommendations of the Accreditation Forum. For this, the Accreditation Board needs the ongoing input from our regulators, our admissions officials, as well as from the HEIs.

Strengthening the linkage between the Accreditation Board and the deans

At the January 9 meeting, we also discussed methods to better connect the Accreditation Board to the Deans through re-kindling the linkage between the Accreditation Board and the Deans Liaison Committee. A meeting is scheduled for April 27, 2017.

Support to the Accreditation Board

The Accreditation Board has clearly identified that, although the staff support they do have is excellent, they are very much in need of additional staff resources. Much good work and progress has been stalled as the Accreditation Board deals with crises rather than executing a planned strategy. An additional staff member is in the budget and recruitment will occur in the near future.

Furthermore, the current accreditation portion of the Engineers Canada website needs drastic improvement. Plans are underway to make it a more effective resource for the Accreditation Board and the HEIs.

Next steps

I have called for a special Engineers Canada Board workshop to be held specifically to deal with accreditation. The workshop is scheduled for Sunday, February 26, 2017. It will be a workshop-style planning session for Engineers Canada Board members and Board Advisors to deal with the recommendations that came out of the Accreditation Forum, the concerns of our regulators and their admissions officials, and the issues raised by the NCDEAS. The intention is not to use this session to decide what recommendations we will or will not implement—it will be a session on what our next steps shall be, identification of resources required, milestones and deliverables, and to develop timelines for solutions. We need to make thoughtful progress while meeting stakeholders' expectations for improvements. We will also use the opportunity to look at how we deal with the two separate aspects of the important work that the Accreditation Board does: policy matters and the actual work of accrediting programs.

Rest assured this is not intended to revisit whether the Accreditation Board should be a Board Committee or an operational committee—that was already discussed at length and decided. The discussion now shall be to work on ways to ensure that the Accreditation Board has the resources and structure it needs so that it can both carry out its task of accrediting programs while also dealing with the policy direction for the future of the accreditation system as it evolves.

Please find attached a copy of a letter sent to me as President of Engineers Canada from Engineers Nova Scotia yesterday regarding their concerns with the accreditation system. I am grateful to Engineers Nova Scotia for expressing their concerns and for their commitment to seeing our accreditation system evolve and improve. I trust that the above serves to address some of the concerns raised in the letter.

Sincerely,



Chris D. Roney, P.Eng., IntPE, FEC
President, Engineers Canada

COMPLAINTS, DISCIPLINE, LICENSING AND REGISTRATION STATISTICS

Purpose: To provide a statistical report to Council regarding Complaints, Discipline, Licensing and Registration.

No motion required

Prepared by: Dale Power, Secretariat Administrator

1. Need for PEO Action

- Standing report was requested at the September 2009 meeting of Council.

2. Appendices

- Appendix A – Complaints Statistics
- Appendix B – Discipline Statistics
- Appendix C – Licensing Statistics
- Appendix D – Registration Statistics

COMPLAINTS & INVESTIGATION STATISTICS

	2014	2015	2016
COC's Caseload			
Filed Complaints ¹ not disposed of by COC at previous year-end	127	105	86
Complaints Filed (<i>PEAct s. 24. 1(a)</i>) during the Year	69	62	64
Total Caseload in the Year	196	167	150
Total Filed Complaints Disposed of by COC in the Year (for details see <i>COC's Disposition of Complaints</i> below)	91	81	75
Total Filed Complaints Pending for COC Disposition (for details see <i>Status of Active Filed Complaints</i> below)	105	86	75
COC's Disposition of Complaints			
Direct that the matter be referred, in whole or in part, to the Discipline Committee. (<i>PEAct s. 24. 2(a)</i>)	6	7	6
Direct that the matter not be referred. (<i>PEAct s. 24. 2(b)</i>)	62	56	48
Take such action as COC considers appropriate in the circumstances and that is not inconsistent with this Act or the regulations or by-laws. (<i>PEAct s. 24. 2(c)</i>)	23	18	21
COC's Timeliness Regarding the Disposition of the Complaint²			
Complaint disposed of within 90 days of filing	0	0	0
Complaint disposed of between 91-180 days of filing	17	6	3
Complaint disposed of after more than 180 days of filing	74	75	72
COC Processing Time – Days from Complaint Filed to COC Disposition (12 mo rolling avg.)			
Average # Days	655	571	456
Minimum # Days	136	91	120
Median # Days	444	308	285
Maximum # Days	1601	1686	1901

¹ Signed Complaint Form filed with the Registrar.

² Days from Complaint Filed to date COC Decision is signed by COC Chair.

Status of Active Filed Complaints

Active Filed Complaints - Total		75
<i>Complaints filed more than 180 days ago</i>	53	53
Waiting for Approval and Reason regarding COC Decision	19	
Complaints under active consideration by COC	15	
Completed Investigation ready for COC consideration	0	
Regulatory Compliance Investigation	19	
<i>Complaints filed between 91-180 days ago</i>	6	6
Waiting for Approval and Reason regarding COC Decision	2	
Complaints under active consideration by COC	0	
Completed Investigation ready for COC consideration	0	
Regulatory Compliance Investigation	4	
<i>Complaints filed within the past 90 days</i>	16	16
Waiting for Approval and Reason regarding COC Decision	0	
Complaints under active consideration by COC	0	
Completed Investigation ready for COC consideration	0	
Regulatory Compliance Investigation	16	

Note:

Review by Complaints Review Councillor (PEAct s. 26. (s))

Where a complaint respecting a member of the Association or a holder of a certificate of authorization, a temporary licence, a provisional licence or a limited licence has not been disposed of by the Complaints Committee **within ninety days** after the complaint is filed with the Registrar, upon application by the complainant or on his or her own initiative the Complaints Review Councillor may review the treatment of the complaint by the Complaints Committee.

Glossary of Terms:

Complaint Filed – Signed Complaint Form filed with the Registrar.

Investigation Complete – Investigation Summary document prepared and complaint file ready for COC consideration

DISCIPLINE STATISTICS – February 2017 Council Meeting Report

Discipline Phase

2014 2015 2016 2017

(as of Jan. 17, 2017)

Matters Referred to Discipline	7	8	6	0
Matters Pending (Caseload)	12**	17	17	17*
Written Final Decisions Issued	6	5*	8	0
<i>DIC Activity</i>				
Pre-Hearing Conferences Held	4	6	5	0
Hearings Phase commenced (but not completed)	1	2	2	
Hearings Phase completed	3	5	6	1

***Awaiting for two (2) summaries.**

*One matter was stayed in 2012, and a motion regarding costs was heard in January 2013.

Note: this matter was still counted into the number of “Matters Pending (Caseload)” in 2012, but no longer counted in 2013. Decision on motion (hearing in January 2013) was issued by Panel on May 15, 2015.

**By a decision of the Divisional Court one matter was sent back for re-hearing by a differently constituted panel.

Table “A” – Timeline summary for matters in which written Decisions and Reasons were issued in 2016

File Number	Hearing date(s)	Date of written Decision	Approx. length of time from the last Hearing date to date of written Decision
L05 12-05	October 13, 2016	Nov. 14, 2016	8 months
L06 08-86	August 3, 2012	July 27, 2016	4 years
L05 11-34	April 25, 2016	July 13, 2016	3 months
L06 09-32	May 9, 2015	July 6, 2016 (on penalty) (Wesa)	1 year
L06 09-35	May 9, 2013	April 15, 2016	2 years
L05 14-53	November 16, 2015	March 18, 2016	4 months

L05 12-89	Nov. 25, 2015	February 23, 2016	3 months
L05 12-03	January 12, 2016	January 19, 2016	1 week

**PROFESSIONAL ENGINEERS ONTARIO
P. ENG. STATISTICS
2016**

C-510-5.4-Appendix C

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Members on Register													
Beginning	80,007	80,037	79,844	80,021	80,178	80,144	80,361	80,312	80,404	80,281	80,324	80,460	80,007
New Members	180	185	141	287	245	243	96	336	158	211	198	164	2,444
Reinstatements	50	100	57	41	63	61	45	59	67	117	106	85	851
Resignation - Regular	(37)	(32)	(3)	(39)	(32)	(34)	(24)	(30)	(30)	(52)	(32)	(16)	(361)
- Retirees	(17)	(12)	(1)	(25)	(14)	(25)	(10)	(20)	(11)	(23)	(9)	(9)	(176)
Deceased	(45)	(53)	(20)	(8)	(26)	(34)	(20)	(20)	(18)	(27)	(31)	(3)	(305)
Deletions - Regular	(98)	(262)	2	(98)	(154)	1	(131)	(147)	(281)	(108)	(95)	(114)	(1,485)
- Retirees	(3)	(119)	1	(1)	(116)	5	(5)	(86)	(8)	(75)	(1)	(2)	(410)
Total Ending	80,037	79,844	80,021	80,178	80,144	80,361	80,312	80,404	80,281	80,324	80,460	80,565	80,565
Members on Register Summary													
Full Fee Members	65,880	65,792	65,924	65,971	66,029	66,150	66,040	66,233	65,972	66,042	66,167	66,187	66,187
Partial Fee Remission - Retired	12,414	12,326	12,374	12,426	12,353	12,401	12,431	12,390	12,474	12,432	12,486	12,554	12,554
Partial Fee Remission - Health	195	191	195	195	192	197	195	201	202	205	206	209	209
Fee Remission - Maternity and/or Parental Leave , Postgraduate Studies and other	1,548	1,535	1,528	1,586	1,570	1,613	1,646	1,580	1,633	1,645	1,601	1,615	1,615
Total Membership	80,037	79,844	80,021	80,178	80,144	80,361	80,312	80,404	80,281	80,324	80,460	80,565	80,565
Membership Licence													
Net Applications Received	294	368	199	359	354	260	280	265	260	294	344	289	3,566
Applications Rec'd FCP	159	92	66	125	96	161	274	373	307	272	410	236	2,571
Female Members on													
Register - Beginning	8,351	8,364	8,360	8,378	8,400	8,435	8,453	8,460	8,521	8,521	8,544	8,580	8,351
New Female Engineers	13	(4)	18	22	35	18	7	61	0	23	36	18	247
Total Female Engineers	8,364	8,360	8,378	8,400	8,435	8,453	8,460	8,521	8,521	8,544	8,580	8,598	8,598

**PROFESSIONAL ENGINEERS ONTARIO
ENGINEER IN TRAINING - STATISTICS
2016**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Recorded													
Beginning of Month	12,406	12,612	12,410	12,602	12,612	12,497	12,564	12,724	12,570	12,854	12,905	12,899	12,406
New Recordings	444	126	319	182	240	311	361	339	543	488	362	457	4,172
Reinstatements	19	35	18	23	6	6	12	24	64	81	25	33	346
P. Eng. Approvals	(42)	(84)	(97)	(115)	(93)	(119)	(129)	(75)	(89)	(109)	(67)	(84)	(1,103)
Resignations/Deletions	(94)	(43)	(48)	(80)	(105)	(14)	(84)	(19)	(153)	(160)	(211)	(38)	(1,049)
Lapse/Non Payment	(121)	(236)	0	0	(163)	(117)	0	(423)	(81)	(249)	(115)	(170)	(1,675)
Deceased	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Ending	12,612	12,410	12,602	12,612	12,497	12,564	12,724	12,570	12,854	12,905	12,899	13,097	13,097
Female Recording on Register													
Beginning	2,442	2,489	2,476	2,505	2,518	2,471	2,373	2,500	2,505	2,573	2,601	2,627	2,442
New Female Recordings	47	(13)	29	13	(47)	(98)	127	5	68	28	26	63	248
Total Female Recordings	2,489	2,476	2,505	2,518	2,471	2,373	2,500	2,505	2,573	2,601	2,627	2,690	2,690

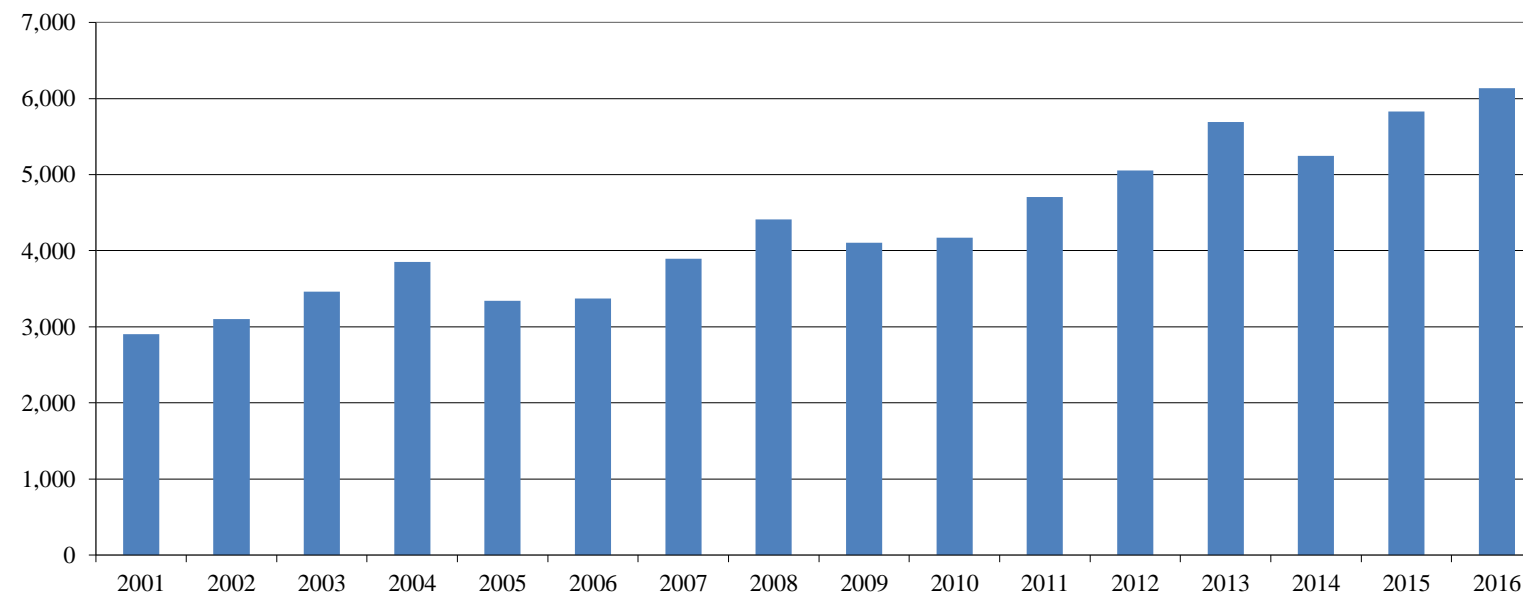
**PROFESSIONAL ENGINEERS ONTARIO
CERTIFICATE OF AUTHORIZATION - STATISTICS
2016**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
C of A Holders - Beginning													
Regular	5,248	5,257	5,249	5,288	5,330	5,363	5,359	5,379	5,392	5,396	5,422	5,457	5,248
Temporary	44	35	35	33	31	31	29	28	26	27	27	27	44
Sub Total	5,292	5,292	5,284	5,321	5,361	5,394	5,388	5,407	5,418	5,423	5,449	5,484	5,292
New Certificates Issued													
Regular	38	27	52	55	54	22	23	24	38	48	70	50	501
Temporary	0	0	0	0	0	1	0	0	2	0	0	0	3
Sub Total	38	27	52	55	54	23	23	24	40	48	70	50	504
Reinstatements													
Regular	2	0	1	0	0	0	0	0	1	0	1	0	5
Temporary	0	0	0	0	0	0	0	0	0	0	2	0	2
Sub Total	2	0	1	0	0	0	0	0	1	0	3	0	7
Deletions													
Closed	(31)	(35)	(13)	(12)	(20)	(25)	(4)	(11)	(33)	(18)	(35)	(46)	(283)
Suspended, Revoked and other	0	0	(1)	(1)	(1)	(1)	1	0	(2)	(4)	(1)	(1)	(11)
Temporary	(9)	0	(2)	(2)	0	(3)	(1)	(2)	(1)	0	(2)	(2)	(24)
Sub Total	(40)	(35)	(16)	(15)	(21)	(29)	(4)	(13)	(36)	(22)	(38)	(49)	(318)
Total Ending													
Regular	5,257	5,249	5,288	5,330	5,363	5,359	5,379	5,392	5,396	5,422	5,457	5,460	5,460
Temporary	35	35	33	31	31	29	28	26	27	27	27	25	25
	5,292	5,284	5,321	5,361	5,394	5,388	5,407	5,418	5,423	5,449	5,484	5,485	5,485

**PEO STATISTICS
APPLICATIONS RECEIVED
2001 - 2016**

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
JANUARY	328	341	539	440	364	316	308	372	336	393	414	397	440	530	561	453
FEBRUARY	260	222	260	345	259	319	257	234	338	276	278	384	422	380	422	460
MARCH	136	234	169	298	340	316	272	345	379	373	453	398	428	395	368	265
APRIL	225	277	279	304	269	291	280	381	294	239	338	297	414	361	356	484
MAY	403	299	394	425	270	298	293	278	279	303	314	353	394	324	292	450
JUNE	158	220	221	337	264	273	279	332	320	306	322	374	388	356	472	421
JULY	236	265	200	297	286	254	355	460	395	332	398	482	529	486	555	554
AUGUST	248	269	357	272	301	285	367	413	326	358	493	508	505	495	547	638
SEPTEMBER	270	352	455	382	254	251	333	415	402	383	451	388	512	542	466	567
OCTOBER	222	206	257	253	263	282	396	419	428	372	469	540	646	568	648	566
NOVEMBER	232	238	190	236	304	226	505	430	340	497	481	503	525	416	565	754
DECEMBER	184	178	140	261	168	260	248	334	270	336	295	432	491	392	576	525
TOTAL	2,902	3,101	3,461	3,850	3,342	3,371	3,893	4,413	4,107	4,168	4,706	5,056	5,694	5,245	5,828	6,137
MONTHLY AVERAGE	242	258	288	321	279	281	324	368	342	347	392	421	475	437	486	511
YEAR TO DATE	2,902	3,101	3,461	3,850	3,342	3,371	3,893	4,413	4,107	4,168	4,706	5,056	5,694	5,245	5,828	6,137

Applications Received - Year To Date



REGISTRATION STATISTICS – February 2017 Council Meeting Report

Registration Phase

2014 2015 2016 2017
 (as of Jan. 17, 2017)

Requests for Hearing	5	4	1	0
Premature Applications (no Notice of Proposal)	2	2	6	0
Matters Pending (Caseload)	10	10	5	4
Written Final Decisions Issued	3	2	0	1
Appeals to the Divisional Court	1*	1	0	0
<i>REC Activity</i>				
Pre-Hearing Conferences Held	6	3	0	0
Hearings Phase completed	2	2	1	0

*The Divisional Court upheld the decision of the Registration Committee

COUNCILLORS ITEMS

- a) **Notices of Future Agenda Items**
- b) **Councillors' Questions**

Purpose: To provide Councillors with an opportunity to provide notice of items for inclusion on the next Council meeting agenda, and to ask questions.

No motion required

Prepared by: Dale Power, Secretariat Administrator