DISCLAIMER

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All costing information contained in this document are preliminary and were prepared for option assessment purposes only.

East-West Tie Transmission Line Work Plan for Consultation Services – January 26, 2010

1.0 Introduction

As requested, the following provides an updated proposed work plan and budget for the Terms of Reference (ToR) and Individual Environmental Assessment (EA) for the East-West Tie Transmission Line based on your comments in a letter to us dated December 4, 2009, your email and letter dated January 14, 2010, and discussion at our meeting on January 20, 2010. We have assumed that the preferred alternative is a double-circuit lattice tower 230 kV line from Wawa TS to the new Nipigon SS, parallel to the existing right-of-way (RoW). This work plan is based on our preliminary project discussions with Hydro One (HO), Dillon's experience working on other HO projects, and our familiarity of working in northern Ontario.

We are excited to submit this work plan. We feel we have a significant advantage with respect to our knowledge of local issues, the players and our understanding of northern communities. Our knowledge stems from our involvement in the disciplines of Public Consultation, First Nations and Métis consultation and Socio-Economic Impact Assessment for the Northwest Transmission Line as well as from previous work experience near the communities of Nipigon and Red Rock. Dillon has a solid reputation and extensive experience working in northern Ontario communities and we value our team's sensitivity to the needs of the northern communities.

We recognize the proposed project is of unique nature due to the fact that there will most likely be a federal level of government involvement. The existing transmission RoW currently runs through both First Nation treaty lands and a large and very significant National Park (Pukaskwa). It would be very difficult to re-route the line to by-pass the National Park. We advise HO to involve federal authorities from project commencement and work with them to determine the level of involvement they would like in the project.

This workplan has been structured to reflect consultation activities for 2 key project phases: EA Terms of Reference and the Preparation of the Individual EA. The EA Terms of Reference work plan is presented in **Section 2.0**. The work plan for the Individual EA is presented in **Section 3.0**.

In **section 4.0**, General Support, we discuss the Canadian Environment Assessment Agency (CEAA) screening. Please note that OEB Section 92 submission activities, First Nations and Métis consultation, and the Biodiversity Initiative activities have been included in the consultation workplan.

Dillon has put together a highly qualified team to work on this project. The project team is introduced in **Section 5.0** and the Budget and Costing assumptions are presented in **Section 6.0**. CV's are included in **Appendix A**.

We have structured the team to reflect the HO approach to completing Individual EAs and based on the team that worked with you on the Bruce to Milton Project. We are working on the assumption that the HO Project Management team will direct the overall project strategy and work closely with the consultant discipline leads to guide the project and prepare documents in a



collaborative manner. At HO's request, we have removed our Landscape Visual Assessment proposal that was submitted previously with the understanding that you may request this at a later date. As requested, we have identified Brent Bullough, environmental planner, as the Dillon team single point of contact (Con-SPOC) and Consultation and Document Preparation Lead. In this role, Brent will lead the public consultation and First Nations and Métis consultation and will coordinate the preparation of the Record of Consultation and appropriate sections for the ToR and EA documents. Ann Joyner, project advisor, is identified as Director for the project. Eniber Cabrera, environmental planner, and Faranak Amirsalari, technical support, will comprise as our Technical Support Team. Faranak will take on most of the technical support tasks but will be backed up by Eniber Cabrera who worked extensively on the Bruce x Milton project. We have also included time in our budget for an administrative/project support clerk whose main role will be word processing.

Dillon is fully committed to meeting the technical requirements, schedule, cost and resource needs of this project. We look forward to working with you on this project.

1.1. Schedule

Dillon has developed our work plan according to past experiences working with HO, conversations with the HO team regarding this project, and based on recommendations in your December 4, 2009 letter. It is anticipated the project will run from January 2010 until fall 2012 with the submission of the EA Terms of Reference in Q4 2010. Key activities and time periods allotted for each are as follows:

Planning Spec & Estimate	Q4 2009
Terms of Reference	Q2 2010 to Q4 2010
Environmental Assessment	Q1 2011 to Q2 2013
Field Studies	Q1 2000 to Q1 2012
OEB Section 92	Q4 2010 to Q3 2012
Construction	Q3 2013 to Q4 2015
In-Service	O4 2015

1.2 Participation in EA Team

Dillon will participate in bi-weekly project meetings from January 2010 to December 2011 (bulk of the ToR and EA phases). The meetings will be a favourable time to develop strategies, collaborate, and share project information in a timely and effective manner. One Dillon team member, Brent Bullough, has been assigned to each meeting for a total of 50 meetings (20 during the 10 month ToR phase and 30 during the 14 month EA phase). Each meeting is budgeted as one day per person to reflect preparation, attendance, and follow-up. It is recognized that this is an estimate only and that fewer meetings/attendees will likely be needed over the full course of the project.

1.3 Budget

The overall budget for consultation services for the reference route (Wawa TS to Nipigon SS) can be found in **Table 1**.

This budget is based on our existing EA services contract with Hydro One. It is our understanding that the budget will be revised to reflect the revised hourly rates should Dillon be successful on RFP 1000082410 EA Services.

All time and costs associated with consultation are included in the budget, such as participation at bi-weekly meetings and monthly progress reports.

Expenses will be charged at actual cost plus 6% as per our other HO projects. The budget includes activities in preparation and submission of the EA and does not address post-submission activities. It is our understanding that, should a new consultant contract be established by HO, the terms of our current agreement(s) will be adjusted to reflect any new clauses.

2. EA Terms of Reference Work Plan

The following reflects the anticipated scope of work for consultation during the EA Terms of Reference (ToR) phase.

A Record of Consultation (Record) document will be prepared for the ToR. The Record will describe the engagement/consultation methods utilized during the development of the ToR. The Record will include a summary of the issues and concerns raised during the engagement/consultation process, responses to these issues, and describe how concerns were addressed in the development of the ToR. The Record is a document supplementing the EA ToR. The Public consultation on the Terms of Reference will be conducted in accordance with the EA Act requirements (Section 5.1) that "such persons as may be interested" be consulted during the preparation of the Terms of reference.

This Consultation Record will:

- Describe the consultation activities undertaken during preparation of the EA Terms of Reference;
- 2) Identify the stakeholders consulted;
- 3) State the issues and concerns raised by the public and stakeholders;
- Document the public consultation process undertaken during preparation of the EA Terms of Reference; and
- 5) Demonstrate how issues and concerns raised in the development of the EA Terms of Reference were addressed by Hydro One.

Dillon understands that our role is to support HO in the consultation process. We will provide consultation information and materials to the other consultants on the team upon request and in a timely manner that respects deadlines. We also recognize that HO wishes to be the main point of contact with the regulators (including Ministry of Environment, Ministry of Energy and external stakeholders). We understand that HO also would like to define and manage the consultation process with assistance and help from Dillon to produce materials and respond to technical queries. It is understood that the consultation program used for this project will be based on the Bruce to Milton project model.

The following tasks outline Dillon's role in the consultation process.

Task #1 - Update of Consultation Program and Consultation Software Training

This work plan is based on the approach to consultation used for the Bruce x Milton Project. Although many aspects of the Bruce x Milton Consultation Plan can be followed, some aspects will have to be updated to reflect the project location. Time is included in the budget to:

- Update Initial stakeholder mailing list (including agency contacts in northern Ontario and identification of interest groups/stakeholders in the area (park users, snow mobile clubs, trappers, angling clubs, etc.) and identification of First Nations and Métis with an interest in the project)
- Hydro One-based Consultation Software maintenance and data entry protocol
- Updated Stakeholder sensitivity analysis



It is understood that HO will use a Hydro One-based Consultation software to maintain stakeholder contacts/mailing lists and to record and track stakeholder comments and responses. We assume this tool will also assist with the development and maintenance of the Record of Consultation throughout the life of the Project. This consultation software is new to Dillon. As requested, we have included one day for two Dillon employees to be trained on the software and we have included time for one employee to input data in to this database 2 days per week at the Hydro One offices (approximately 200 days total). We assume this time will also cover periodic requests for information from the Environmental Services and Approvals and Corporate Communications in support of the EA and OEB processes. We further assume that the software will be suitable to meet the demands of consultation management for a project of this complexity and allow us the ability to respond to requests for information in a timely manner. If requests for information require our staff to be present at the Hydro One offices more than assumed in this workplan, a change in scope may be required as we progress through the project. If it is possible to establish a secure connection to the database from Dillon's office, we recommend consideration of this possibility in order to facilitate a more effective used of the software and a more timely response rate when information is requested.

Task #2 - ToR Commencement

- Notice of Commencement (NoC) Dillon will provide text input and editorial comment
 into the NoC, update and maintain the mailing list, distribute the NoC, and post the NoC
 in the local newspapers.
- Public Information Centre #1 (February 2010) The purpose of this PIC is to announce
 the study, provide background information and context for the project, show the Study
 Area, the reference route, review property ownership maps, and the project schedule. We
 assume all PICs will be held in four communities (Wawa, Marathon, Nipigon, Thunder
 Bay).
- Although the number of PIC locations may decline as the project progresses, four locations have been assumed for each round of PICs for budgeting purposes. Dillon will organize meetings and provide logistical support, assist with drafting the PIC invitation and distribution, provide input and editorial comment into the PIC boards, be responsible for printing PIC materials, assist in developing the PIC questionnaire, input data from the questionnaire into the Hydro One based consultation software, provide a synopsis of questionnaire results, attend the PIC (one person, Brent Bullough), synthesize stakeholder comments, produce a PIC Report, update the Record of Consultation, and maintain all PIC correspondence and feedback with the use of Hydro One-based Consultation software or in-house. The PIC details described here will be implemented for all PICs for this project.
- Response to Comments Dillon will assist the HO team with drafting and editing standard and customized response letters. This task is carried throughout the consultation program.
- Newsletter #1: ToR Initiation Dillon will provide text input and editorial comment into the newsletter and will be responsible for printing and distribution. This task is carried throughout the consultation program.
- On-going Coordination of Project Consultation Components As the consultation lead, Dillon will be responsible for ensuring that additional communication and consultation efforts undertaken by HO and all project consultants is collected and retained in the Hydro One-based Consultation Software data base. This software will assist with the creation and maintenance of an issues identification and resolution

tracking table throughout the project to ensure that stakeholder comments and input are properly addressed. Approximately 200 days may be required for data entry and responses to information during the project. We have identified 80 days during the ToR and 120 days during the EA for these tasks.

• **Record of Consultation** – Dillon will prepare the Record of Consultation as a stand-alone document in support of the ToR.

Task #3 - Draft ToR

- Draft Sections of ToR and Release of Draft ToR Dillon will update and maintain the
 mailing list, draft the Consultation section of the ToR, provide text input and editorial
 comment into the draft ToR notification (letters and notice), distribute draft ToR
 notification, and post the draft release in the local newspapers.
- Multi-Project Globe & Mail Advertisement The East West Tie is one of several Hydro One projects taking place in Northern Ontario and Hydro One would like to provide periodic updates on all projects in a combined advertisement in the Globe and Mail. One Ad run will be paid for out of this project during the ToR and one during the EA.
- Public Information Centre #2 (April 2010) Draft ToR, Potential Route Refinements to be evaluated in the EA. Please see PIC #1 for detailed information on Dillon's role and responsibilities.
- Response to Comments See above.
- Newsletter#2 Release of Draft ToR.
- **Revise ToR and Record of Consultation** Dillon will synthesize stakeholder comments and revise the Consultation section of the ToR and update the RoC.

Task #4 - Route Refinements and Selection

- Agency Route Refinement Workshop If local refinements are identified, a workshop
 will be held to solicit feedback from agencies regarding refinement options and evaluation
 approaches to select the preferred route. One meeting with agencies is assumed. If other
 workshops are required a change of scope will be required.
- Newsletter #3: Potential Local Route Refinements This newsletter may be targeted
 to local communities affected by potential route refinements and may not have to be
 provided to the whole study area, unless other general information is presented. We have
 budgeted for full distribution.

Task #5 - ToR Finalization and Notice of Submission

- Finalize and Release of ToR and Notice of Submission -Dillon will provide text input
 and editorial comment into the ToR Notice of Submission and letters to stakeholders,
 update and maintain the mailing list, distribute the notice, and post the ToR Notice of
 Submission in the local newspaper.
- Newsletter #4: ToR Submission and project update.

Task #6 - First Nations and Métis consultation and engagement

Dillon understands that most First Nations and Métis consultation and engagement at HO is conducted in-house; however, we are excited at the opportunity to assist with elements of this key consultation activity. As requested, Dillon will take an administrative role in the First Nation and Métis consultation and engagement activities, as outlined below:



- Prepare drafts of correspondence for HO including First Nations and Métis-specific cover letters for notifications and letters to provincial and federal agencies with an interest in First Nations and Métis issues (30 are assumed during the ToR).
- Book meeting locations and coordinate logistics (such as audio-visual equipment and catering) for 38 small centre meetings to be held with individual First Nation and Métis in their communities, and 5 group meetings (assumes 3 First Nations and Métis groups in attendance)_at a large centre, likely Thunder Bay, during the ToR.
- Attend all meetings to serve as recorder and produce meeting minutes (43 meetings assumed during ToR (38 small centre plus 5 large centre)).
- Administer and pay for First Nations and Métis attendee reimbursements (we assume that
 7 attendees from each First Nation and Métis at each meetings (21 at each large centre
 meeting and a \$500 reimbursement for each attendee). We have also assumed 10 days to
 administer the invoice receipt, processing and payment of the reimbursement during the
 ToR).
- Preparation of Notes and Maintenance of Consultation Log As requested, we have budgeted ½ day per First Nation and Métis meeting. This time will also be used to track consultation in a Consultation Log, which is separate from the Hydro One-based Consultation software. 21.5 days have been allotted to this task during the ToR.

Cost assumptions for these activities are discussed in Section 6.o.

Task #7 - Meetings, Monthly Progress Reports and Technical Support

In this task we have included one project kick-off meeting (to be attended by Ann Joyner and Brent Bullough), all bi-weekly meetings with Hydro One and the consultation team's participation in producing the monthly progress reports. We have budgeted for 20 bi-weekly meetings with Hydro during the ToR to be attended by the Consultation Lead.

3. Individual EA Work Plan

Dillon will provide assistance to the HO Team in the development of the Environmental Assessment document based on the approved EA Terms of Reference. The following reflects the anticipated scope of work for consultation during the Individual EA.

Task #1 - EA Confirmation PIC/Letter/Newsletter

- Notice of Commencement of EA included in Newsletter #5 below.
- Public Information Centre #3 (April 2010) Announce the Completion of the ToR and the start of the EA. Please see PIC #1 for detailed information on Dillon's role and responsibilities
- OEB Section 92 Application Support As our actual role in this work cannot be confirmed at this time, our estimate is intended as a conservative assumption based on our experience in Bruce to Milton.
- Newsletter #5 ToR approval and EA confirmation. Based on our experience working on
 the Bruce to Milton project, it is anticipated that HO may choose to create a newsletter
 announcing the EA Confirmation rather than producing another NOC. The newsletter
 option may be preferred as it is less likely to confuse the public as it will allow for
 additional information about the EA, including route refinement information and the role
 of the ToR versus the EA study.
- Consultation software data entry As noted above, approximately 200 days may be required for data entry and responses to information during the project. We have identified 80 days during the ToR and 120 days during the EA for these tasks.
- On-going Coordination of Project Consultation Components as above

Task #2 - Refinement Evaluation and Selection Documentation

 Dillon will provide a summary of consultation on the refinement option identification, evaluation and selection process for inclusion in the refinement report.

Task #3 - Mid-EA Update

Please refer above for additional information on the following task activities:

- Public Information Centre #4 (October 2010) This round will present refinement options, socio-Economic and Natural Environment Findings to date, land matters (including possible Landowner Acquisition Compensation Principles), preliminary access road and tower location consideration for discussion, and introduction of the Biodiversity Initiative. Please see PIC #1 for detailed information on Dillon's role and responsibilities.
- Response to Comments as above
- Newsletter #6 Route refinements and updated reference route, land matters, property acquisition, PIC summary and biodiversity initiative.
- On-going Record of Consultation as above
- On-going Coordination of Project Consultation Components as above

Task #4 - EA Review Report

Write Sections of Draft EA and Release of Draft EA – Dillon will update and maintain
the mailing list, draft the Consultation Report section, provide text input and editorial
comment into the report notification (letters and notice), distribute the notification
(mail), and post the notification of the draft release in the local newspaper.



- Record of Consultation Dillon will prepare the Record of Consultation as a stand-alone document in support of the EA.
- Response to Comments as above
- Multi-Project Globe & Mail Advertisement The East West Tie is one of several Hydro
 One projects taking place in Northern Ontario and Hydro One would like to provide
 periodic updates on all projects in a combined advertisement in the Globe and Mail. One
 Ad run will be paid for out of this project during the ToR and one during the EA.
- Public Information Centre #5 (February 2011) Present the EA findings, effects and mitigation, update on land matters, property acquisition, and biodiversity strategy, approvals and next steps. Please see PIC #1 for detailed information on Dillon's role and responsibilities.
- **Revise EA** Dillon will synthesize stakeholder comments and revise the Consultation section of the EA and the Record of Consultation.
- Release of Final EA Dillon will provide text input and editorial comment into the final EA notification (letters and notice), update and maintain the mailing list, distribute the notification (mail), and post the final notification in the local newspaper.
- EA Notice of Completion Dillon will provide text input and editorial comment into the EA Notice of Completion (letters and notice), update and maintain the mailing list, distribute the notification (mail), and post the final notification in the local newspaper.
- Newsletter #7 Update/summary on the EA Report and Notice of Completion.
- On-going Record of Consultation as above
- On-going Coordination of Project Consultation Components as above

Task #5- Agency Meetings & Workshops

We understand that additional consultation may be required with government agencies, municipalities, stakeholders, and special interest groups. This task covers one Agency Effects and Mitigation Workshop and three Biodiversity Workshops in support of the Biodiversity Initiative.

- **Biodiversity Initiative Workshops** (Three workshops in a central location for all interested parties). We have assumed that there will be three (3) Biodiversity Workshops as follows:
 - o Workshop #1 Define interest and criteria. Briefly review ecosystem valuation systems, discuss utility of ecological and administrative factors
 - Workshop#2 Review habitat loss quantification, present example opportunity valuations, present ecological and administrative factors
 - o Workshop#3 Assign point values, rank potential opportunities and select potential opportunities.
- **Agency Effects and Mitigation Workshop** A workshop with review agencies is planned to assist with the review the draft EA. We have proposed one meeting.

Dillon's role in these workshops will be:

- Logistical support
- Preparing workshop materials
- Facilitation
- Documenting workshop minutes
- Preparing summary reports
- Assisting with any follow-up requirements
- Incorporating workshop outcomes into the EA report





We recommend that HO consider setting aside support funding for stakeholder expenses to support these workshops.

Task #6- First Nations and Métis Consultation

Dillon will continue the First Nations and Métis consultation activities outlined in the ToR section however 58 small centre meetings and 7 large centre meetings are planned during the EA.

Task #7 - Meetings, Monthly Progress Reports and Technical Support

In this task we have included all bi-weekly meetings with Hydro One and the consultation team's input into monthly progress reports. We have budgeted for 30 bi-weekly meetings for one Dillon team member (Brent Bullough) to meet with Hydro during the EA phase of the project.



4.0 General Support

Given the uncertainty regarding CEAA, we have not included any time in the workplan for CEAA related consultation activities. Any additional consultation required as a result of CEAA will require a scope change.

Also, if visual assessments work is required for the project, Dillon would be happy to provide a quote for this service.

5.0 Project Team

The Dillon Team has been assembled to meet the objectives of this project and conforms to the team you requested in your letter of December 4, 2009. Brief biographies of these individuals are included below and CVs are attached in **Appendix A**.

Ann Joyner, MES, MCIP, RPP

Director

Ann is a partner and project advisor at Dillon and is the central Dillon contact for all HO Projects. Her role on this project will be to oversee the quality of the service provided to HO and to provide strategic advice on the technical content of the project. Ann Joyner is a Partner and Director with Dillon Consulting Limited and has a BSc. and a Masters of Environmental Studies. She has twenty years of experience coordinating resource management, strategic land use planning and environmental assessment studies.

Ann's EA work has focussed on coordination of provincial and federal environmental assessments (EA) including numerous linear environmental assessments. In addition to her consulting work, Ann was a part-time Professor in the Faculty of Environmental Studies (Planning Program) at York University for fifteen years. She was participated in the MOE Advisory Panel on Improvements to the Ontario's EA Process – Cleaner Energy Table.

She has managed and coordinated a large number of linear environmental assessments including the consultation for the Bruce to Milton Transmission Reinforcement Project and the Ontario Manitoba Interconnection Project for Ontario Hydro, Hwy. 17 EA for MTO, 407 east extension EA, Courtney Park Dr. extension EA, TTC's Eglinton West Rapid Transit Line EA and Highway 403 EA in Mississauga. Ann's relevant experience also includes undertaking numerous peer reviews of environmental assessments on behalf of community groups or other parties. These include peer reviews for the Niagara GTA Corridor, the Windsor/Detroit Bi-National Project, an on-going CEAA bridge EA, a water treatment and transmission provincial EA, a solid waste management EA and a PCB destruction siting project. She has also coordinated the EAs for a range of other infrastructure including solid waste, storm water and transmission lines. Ann has completed various research and policy documents for government agencies including policy documents for the Ontario Environmental Assessment Branch and work on federal /provincial EA harmonization for MOE and the Federal Department of Fisheries and Oceans. Ann is highly familiar with environmental assessment processes and legislation and is trusted to provide EA management and peer review services for proponents and stakeholder groups.

Brent Bullough, MES, MCIP, RPP

Consultation Lead and Con-SPOC

Brent will be the SOPC, Consultation and document preparation lead. Brent Bullough is an Environmental Planner with Dillon. Prior to joining the Dillon team in 2006, Mr. Bullough acquired five-years of experience coordinating consultation with the public, government agencies, and interest groups on air quality, natural heritage, and watershed planning issues. Since joining Dillon, Brent has contributed to several Class Environmental Assessments (EAs), environmental screenings and reviews, and individual EAs. Most of this work has been in the energy sector, including transmission lines, transformer stations, and wind farms, but he has also worked on other linear corridor Class EAs for roads. He has considerable public consultation experience and has received training in facilitation from the Ontario Professional Planners Institute. Most notably, Brent has been involved in the development and implementation of the public



consultation program for HO's Bruce to Milton Transmission Reinforcement Project Individual EA.

Faranak Amirsalari Consultation Software)

Technical Support (Hydro One-based

Faranak is a technical specialist with Dillon who has recently worked on several Hydro One projects including the Northwest Transmission Individual EA and the Guelph Area Transmission Reinforcement Project and Tremaine TS Class EAs. She is a graduate of the University of Waterloo where she completed her Masters of Environmental Studies. She has a Bachelor of Science in Environmental Science along with a certificate in GIS and Remote Sensing from York University. Faranak has worked on projects ranging from Environmental Assessments for transformer stations to socio-economic and environmental assessments for new arterial roads. She has also been involved with preparing planning applications, including Official Plan Amendments, and has assisted municipalities with researching Integrated Community Sustainability Plans, Greenbelt and Places to Grow policies in relation to development proposals. She also has experience organizing public consultation events and assisting with the writing of Environmental Review Reports.

Eniber Cabrera, MA, MCIP, RPP, LEED® AP Technical Support (Hydro One-based Consultation Software)

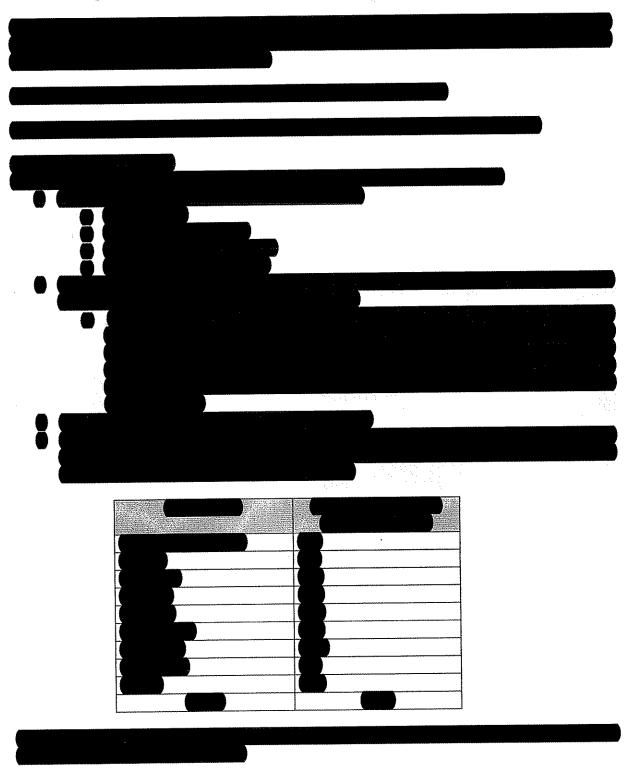
Eniber joined Dillon in 2007 and is an environmental planner with a background in policy planning, sustainable development and public consultation. She holds a Bachelor of Arts in Urban Planning as well as a Master's of Arts in Management with a concentration in conflict management. Over the past six years Eniber has participated in a number of projects for private and public clients in Canada and Venezuela. Since joining Dillon, Eniber has worked on several projects, mostly related to environmental assessments, public consultation, policy planning and sustainable development.

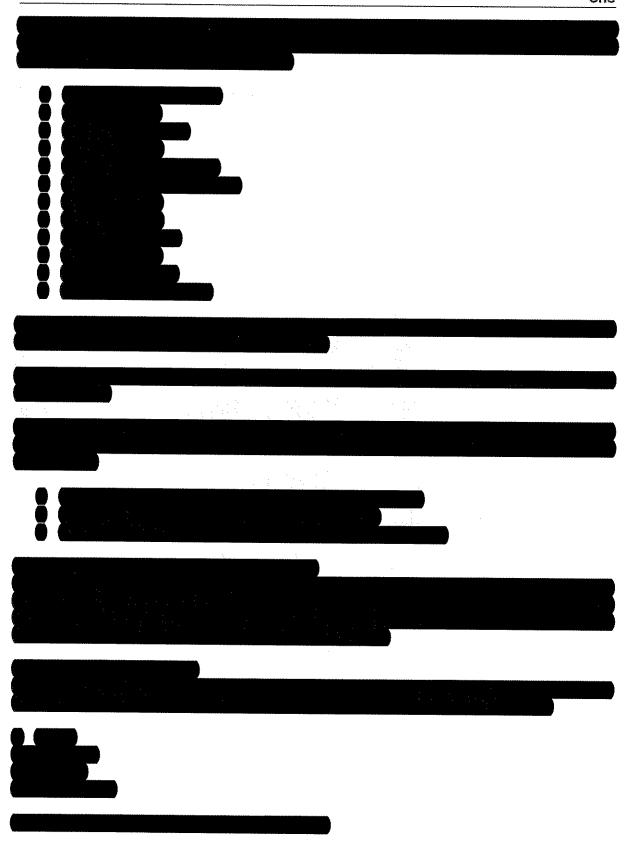
Eniber has worked on the Bruce to Milton Transmission Reinforcement Project and the District of Muskoka Long Range Solid Waste Management Plan Environmental Assessments, which have a large public consultation component. Eniber's most recent work includes the on-going Central Waterfront Toronto Public Realm Phase 2 Canadian Environmental Assessment Act Screenings as a project planner and coordinator. Eniber's work also includes the on-going Municipality of Clarington Official Plan Review and the Hamilton Airport Employment Growth District Secondary Plan. Eniber is also a full member of the Canadian Institute of Planners and is a LEED® Accredited Professional.

Eniber will provide back-up support to Faranak Amirsalari.

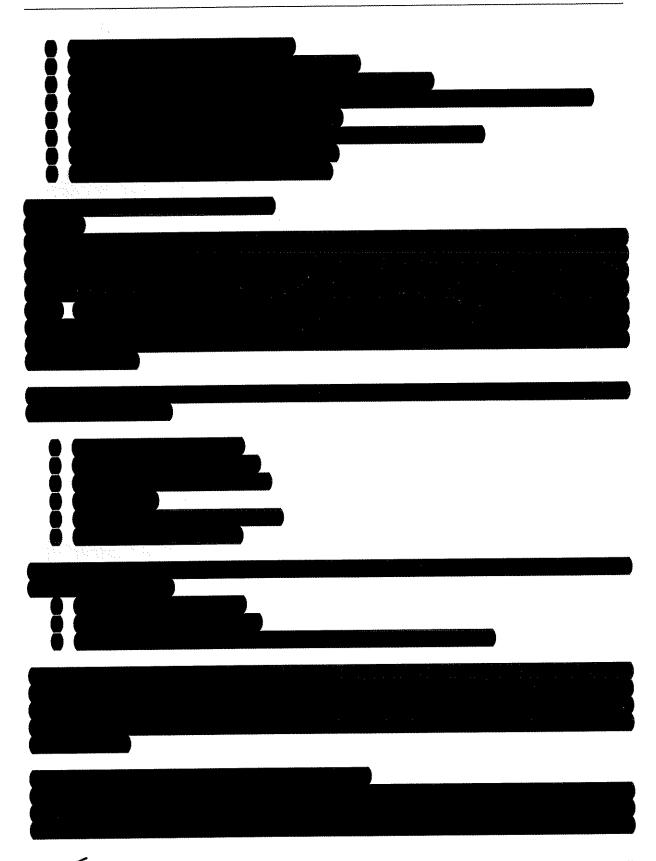


6.0 Budget and Costing Assumptions



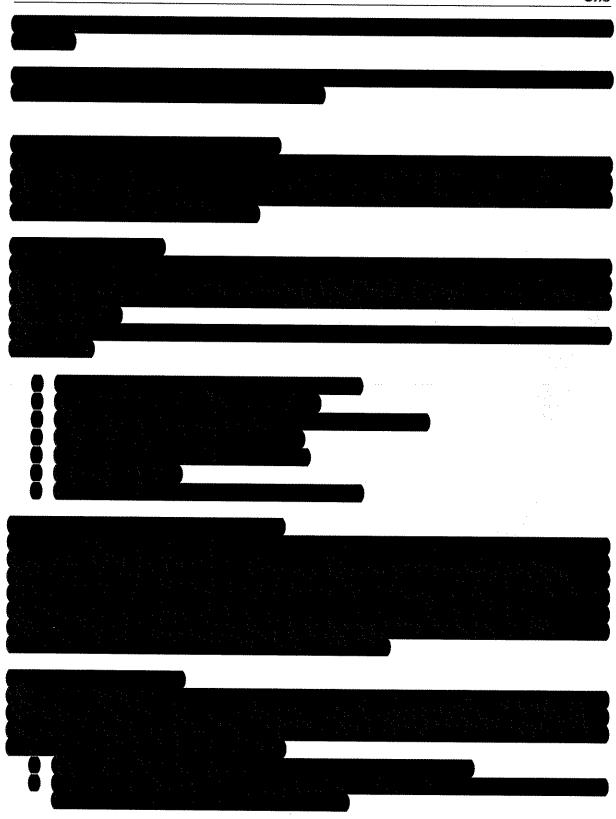






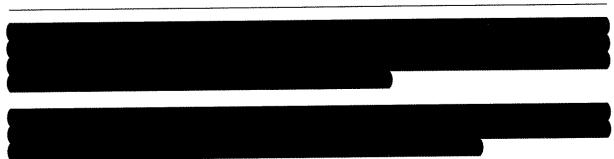




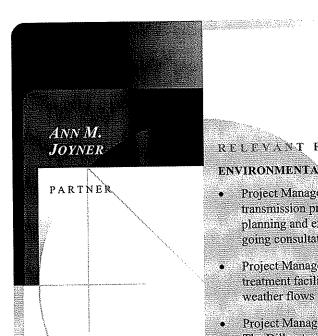








Appendix A CV's



Education

M.E.S. (Masters of Environmental Studies), York University, 1985

B.Sc., University of Toronto, 1980

Affiliations

Ontario Professional Planners Institute and Canadian Institute of Planners

Language

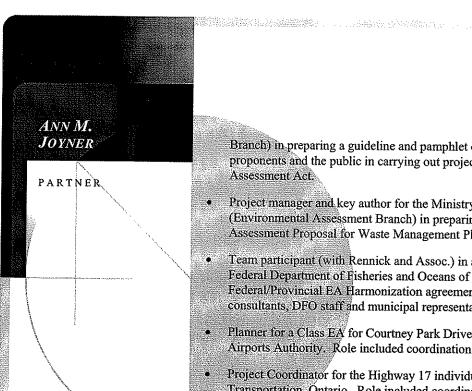
English

RELEVANT EXPERIENCE

ENVIRONMENTAL ASSESSMENT

- Project Manager for the consultation and EA advisory components of a major transmission project for a 500kV line from Kincardine to Milton. Project includes planning and execution of public information centres, workshops and a range of ongoing consultation strategies as well as TOR and EA documentation.
- Project Manager for Municipal Class EA for the Port Dalhousie waste water treatment facility. Project is assessing a number of alternatives to manage wet weather flows to the plant to improve overall treatment capacity and outfalls.
- Project Manager for the MOE writing revised Land Use Compatibility Guidelines. The Dillon team developed the Guidelines in consultation with a range of stakeholders to reflect changes in regulation and policy as well as streamline and clarify the Guidelines.
- Project Planner for peer review of proposed Mid-Peninsula Corridor highway Terms of Reference for the MTO EA on behalf of the City of Burlington.
- Project Manager for peer review of ORC Class EA for Seaton/Richmond Hill land transfer for City of Pickering.
- Expert witness for OMB hearing for the City of Windsor regarding proposed Official Plan Amendment regarding use of rail lands. Provided advice regarding EA/Planning interface.
- Member of MOE Advisory Panel on Improvements to the Ontario's EA Process -Cleaner Energy Table, 2005.
- Project manager for Peer Review of the York Region Water Supply EA for Durham West on be-half of the Pickering Community Working Group. Worked closely with Pickering citizens to review the EA documents and provide input to the EA process as well as mitigation and compensation procedures and agreements.
- Planning coordinator/manager for a number of EAs in the Greater Toronto Area for Hydro One. Projects involved local station and transmission line siting EA approvals.
- Coordinator of Environmental Assessment and Planning for the Regional Municipality of Ottawa-Carleton Integrated Transportation Master Plan. Coordinated with planning for water and wastewater master plans and official plan update to prepare a unique integrated growth strategy for the Region.
- Coordinator of Summary Environmental Assessment Document for the Regional Municipality of Ottawa-Carleton which describes how EA requirements have been met for the planning, transportation, water and wastewater projects identified in the Official Plan update and Master Planning process for the Region.
- Part of a two-person team (with Mary Rowe and Associates) providing consulting support to the Ministry of Environment and Energy (Environmental Assessment

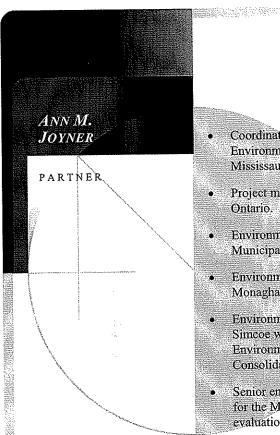




Branch) in preparing a guideline and pamphlet on consultation requirements to assist proponents and the public in carrying out projects under the Environmental Assessment Act.

- Project manager and key author for the Ministry of Environment and Energy (Environmental Assessment Branch) in preparing the "Sectoral Environmental Assessment Proposal for Waste Management Planning."
- Team participant (with Rennick and Assoc.) in a workload assessment for the Federal Department of Fisheries and Oceans of the implications of a Federal/Provincial EA Harmonization agreement. Conducted interviews of consultants, DFO staff and municipal representatives.
- Planner for a Class EA for Courtney Park Drive extension for the Greater Toronto Airports Authority. Role included coordination of EA work and documentation.
- Project Coordinator for the Highway 17 individual EA for the Ministry of Transportation, Ontario. Role included coordinating EA team and documentation of the EA (submitted to MOE, December 1997). Project completed in partnership with McCormick Rankin.
- Provided planning assistance for a Class EA for Terry Fox Drive in Kanata
- Project Advisor for preparation of the environmental assessment, including route and technology selection, for the Toronto Transit Commission Eglinton West Rapid Transit Line project. This project involved the siting of a rapid transit line between Allen Road and Renforth Road in Metropolitan Toronto.
- Assisted in the preparation of route location and environmental studies for the EA for Highway 11 (Huntsville to Burks Falls).
- Coordinator of evaluation methods, social and economic components of the Ontario/Manitoba route and transformer station site selection Environmental Assessment for Ontario Hydro.
- Coordinator of environmental assessment approach and socio-economic study components for an Environmental Assessment for development of a major petrochemical facility for a multinational consortium.
- Project manager for review of Environmental Assessment documents to evaluate public consultation programs. This project was undertaken for the Environmental Assessment Program Improvement Project (EAPIP) for the Ontario Ministry of Environment. The report reviewed the public consultation programs for 10 environmental assessments.
- Member of a three-person team who reviewed the Environmental Assessment for a private sector hydro-electric facility proposal on the Kaministiquia River near Thunder Bay on behalf of the Ministry of Tourism and Recreation. Specific responsibility was to evaluate the environmental assessment process applied by the consultants.



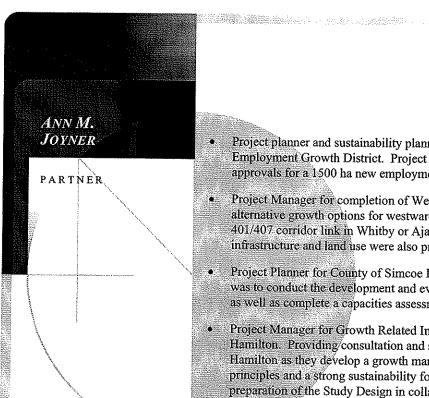


- Coordination of land use, social impact and natural environment components of an Environmental Impact Assessment for an arterial road extension to Highway 403 in Mississauga.
- Project manager for BFI Canada in support of their waste management initiatives in Ontario.
- Environmental assessment advisor for Trail Road Landfill EA for the Regional Municipality of Ottawa Carleton.
- Environmental assessment planning advisor to Dillon and Marshall Macklin Monaghan team preparing a waste management plan for the BFI Ridge landfill.
- Environmental planning consultant to Tiny Township reviewing the revised North Simcoe waste management Environmental Assessment for adherence to the Environmental Assessment Act and providing expert testimony before the Consolidated Hearings Board.
- Senior environmental planner for study of 3Rs strategies in the Greater Toronto Area for the Ministry of Environment and Energy. Providing on-going advice on the evaluation approach for this multi-disciplinary study.
- Environmental planner for the Ontario Waste Management Corporation (OWMC) Environmental Assessment.
- Consultant for Metropolitan Toronto solid waste management planning process.
- Coordination of the site selection process for a proposed landfill for Regina, Saskatchewan under the Environmental Assessment Act (Saskatchewan). Program included development of the site evaluation procedure, data collection, public consultation and documentation.
- Coordination of impact assessment, public consultation, land use and community impacts, components of a landfill expansion program in Essex County. Responsible for documentation of land use/community impacts, public participation project components and project summary report and application under the Environmental Protection Act.
- Expert reviewer for the plans and activities of Londoners for the Safe Elimination of all PCBs (LEAP). Provided peer review of the joint federal-provincial environmental process to site a mobile PCB destruction facility in London, Ontario. The process was led by a citizen's group that formed in 1990 to find a willing host for the temporary facility.

PLANNING AND POLICY (SELECTED)

 Project Manager for a range of growth related studies and Official Plan amendments for the municipality of Clarington. Studies include two secondary plans, intensification, employment, growth management and recreation resources studies.





- Project planner and sustainability planning coordinator for the Hamilton Airport Employment Growth District. Project involved background studies and related EA approvals for a 1500 ha new employment district.
- Project Manager for completion of West Whitby Background studies considering alternative growth options for westward growth in Whitby and implications of a 401/407 corridor link in Whitby or Ajax. Background studies for environment, infrastructure and land use were also prepared.
- Project Planner for County of Simcoe Intergovernmental Action Plan (IGAP). Role was to conduct the development and evaluation of growth options for the study area as well as complete a capacities assessment and SWOT.
- Project Manager for Growth Related Integrated Development for the City of Hamilton. Providing consultation and strategic planning assistance to the City of Hamilton as they develop a growth management plan based on sustainability principles and a strong sustainability focused vision for the City. Project involves preparation of the Study Design in collaboration with a multi-stakeholder Task Force, on-going consultation and preparation of the growth strategy.

SUSTAINABLE COMMUNITY DESIGN (SELECTED)

- Project Manager for Town of East Gwillimbury Background Paper on Sustainable Design Policy and completion of a Sustainable Design Rating System. The Background Paper on Sustainable Development Policy provides a comprehensive vision for sustainability, describes and illustrates a wide range of sustainability related OP policy areas and recommends policy direction for each element. This is the completion of two phases that will lead to the development of a "made in EG" rating system for sustainable community development.
- Project Manager for completion of an Integrated Community Sustainability Plan (ICSP) for Saint John New Brunswick. This project will consolidate the plans and policies for the City into a comprehensive vision and priority set for future action and planning.
- Project Planner incorporating sustainable community design into the redevelopment of the Lawrence Heights Neighbourhood for the Toronto Community Housing Corporation. Project is led by &Co with Dillon providing support related to sustainable planning, design and infrastructure.
- Project Advisor to Wood Buffalo (Fort McMurray) Alberta regarding the framework and execution of their ICSP and growth management strategy.
- Project Manager for execution of a sustainable design workshop for the City of Windsor related to upcoming secondary planning for employment, residential and mixed use areas for the newly annexed land area of the City (former Sandwich Tp.)



BRENT BULLOUGH

PLANNER

Education

M.E.S. (Master in Environmental Studies), York University, 2002

B.Sc., Hons. (Agriculture), (Major: Environmental Biology, Emphasis: Aquatic Biology), University of Guelph, 1996

Affiliations

Ontario Professional Planners Institute (RPP)

Canadian Institute of Planners (MCIP)

Language

English

RELEVANT EXPERIENCE

Coordinator of public consultation for the Bruce to Milton transmission reinforcement project, including facilitating consultation events, producing communications material, organizing open houses and community workshops, and documenting input from the public and other stakeholders.

Environmental planner for four transformer station/transmission reinforcement Class Environmental Assessments.

Environmental planner for Renewable Energy System's Talbot wind farm environmental screening.

Environmental planner for Invenergy Canada's Raleigh and Dover wind energy centres environmental screenings.

Environmental planner for a Municipal Class Environmental Assessment to construct a pedestrian overpass over the Lincoln M. Alexander Parkway in the City of Hamilton.

Environmental planner for the Bathurst Street reconstruction from Green Lane West to Yonge Street Class Environmental Assessment.

Environmental planner for the 2006 Halton Transportation Master Plan Update.

Coordinated the Duffins and Carruthers Watershed Resource Group, a multi-stakeholder group overseeing the implementation of a watershed plan.

Reviewed and responded to Environmental Assessment Act applications with respect to the Toronto and Region Conservation Authority's (TRCA) programs, policies and regulation requirements.

Planned and managed individual and multi-year projects that support development and implementation of management plans for TRCA lands.

Managed resource planning projects such as state-of-the-watershed reports, report cards and watershed management plans, and managed budgets.

Twice coordinated Paddle the Don (2005 and 2006), a signature TRCA fundraising event.

Prepared and delivered presentations, communications and reports to TRCA staff, the member municipalities, and pertinent groups.

Prepared and coordinated requests for proposals.

Developed and maintained effective liaison with watershed stakeholders and TRCA staff and represented the TRCA at meetings and on committees.

Successfully coordinated all aspects of the Upwind Downwind Air Quality Conference held on March 29 and 30, 2004 in Hamilton, Ontario.

Coordinated Clean Air Hamilton, a multi-stakeholder group that conducts research and advises Hamilton City Council on air quality issues.





PLANNER

Coordinated the City of Hamilton's participation in Commuter Challenge.

Completed design of an anti-idling campaign for Hamilton with the goal of establishing an anti-idling by-law.

Promoted policies designed to protect the Regional Natural Heritage System and commented on developments that impinge upon this system as described in the Hamilton-Wentworth Regional Official Plan.

Supported enforcement and interpretation of the City of Hamilton's Woodland Conservation By-law.

Supported enforcement of policies directed at protecting Environmentally Significant Areas in the City of Hamilton.

Biological Field Work

Conducted ecological land classification in Hamilton natural areas during a secondment with the Hamilton Conservation Authority.

Conducted fisheries assessments in Hamilton Harbour and Cootes Paradise.

Operated a fishway/carp barrier between Hamilton Harbour and Cootes Paradise while collecting fisheries data.

Supervised a crew responsible for planting aquatic plants in Cootes Paradise.

Constructed, nurtured and maintained an aquatic plant nursery.

Constructed, maintained and evaluated exclosures designed to reduce the impact of biotic and abiotic stresses on Cootes Paradise.

Conducted water quality analysis tests.

Conducted a preliminary watershed assessment of the Eramosa River watershed.

CERTIFICATION

Ontario Professional Planners Institute certification in Facilitation

Ministry of Natural Resources certification in Wetland Evaluation

Ministry of Natural Resources certification in Ecological Land Classification

EMPLOYMENT HISTORY

Planner

Dillon Consulting Limited

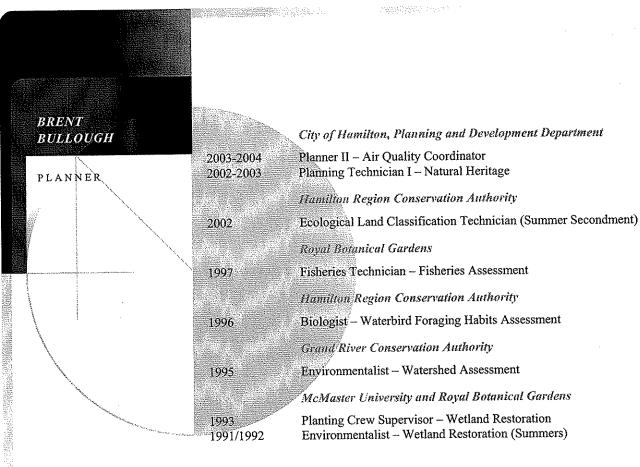
2006-Present

Toronto and Region Conservation Authority

2004-2006

Watershed Planning Project Manager





SEPTEMBER 2009

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ENVIRONMENTAL SCIENTIST

Education

M.E.S. (Master's in Environmental Studies), University of Waterloo, 2008

B.Sc., Hons. (Environmental Sciences), York University, 2003

Affiliations

International Society for Environmental Information Sciences (ISEIS)

Language

English

PERSONAL PROFILE

Faranak has over four years of work experience in environmental science and environmental sustainability projects with a focus on GIS and remote sensing applications. She is currently involved with the corporate environmental management initiative at Dillon, working with senior consultants on implementation of company-wide corporate environmental management approaches.

RELEVANT EXPERIENCE

PLANNING AND DEVELOPMENT STRATEGIES

2009 – Tremaine Fransformer Station Class EA (Hydro One)

Coordinated the public consultation component of the EA. Responsibilities include facilitation of consultation events, producing stakeholders list and communications material, identifying and evaluating alternatives, site evaluation and selection of preferred site, and documentation of environmental and socio-economic features and assessment of potential environmental effects.

2009 – Halton Boyne Trunk Sewer Class EA (Regional Municipality of Halton)
Assisted with the public consultation component of the EA. Responsibilities include facilitation of consultation events, producing stakeholders list and communications material, identifying and evaluating alternatives.

2009 - Transportation Master Plan (Town of Whitby)

Provided transportation planning support on an update of Whitby Transportation Master Plan. This included assessing existing environmental, social and economic conditions, evaluating the impact of existing and future roadway corridors as well as selection of the preferred options.

CORPORATE ENVIRONMENTAL MANAGEMENT STRATEGIES

2008 – Dillon's Corporate Environmental Management Strategy

Researched, identified, and documented company's environmental baselines. Identified areas for potential improvement related to greenhouse gas (GHG)/energy, water, and solid waste. Performed cost-benefit analysis and made recommendations based on cost savings and GHG reductions.

EMPLOYMENT HISTORY

Dillon Consulting Limited

2008-present Environmental Scientist

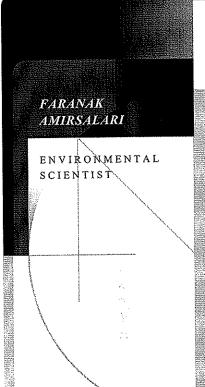
Environment Canada - Canada's Centre for Inland Waters (CCIW)

2007-2008 Research Assistant. Assisted scientists in developing a GIS database of

drinking water intakes, tributaries, outfalls, storm sewers in western Lake Ontario. Assisted scientists in preparing input data for running watershed and lake models. Processed remote sensing images of Lake Ontario for source water protection. Assisted in visualizing and editing

physical data models.





Optech Inc.

2004-2007

Team Leader. Trained new team members to provide prompt and accurate response to third-level support queries from international clients. Assisted in implementation and utilization of customer relationship management (CRM) software in the division. Used visualization programs such as TerraModel, TerraScan, QT Modeler, etc., for display and inspection of Lidar data.

York University, Faculty of Environmental Studies

2003-2004

Forest Planning Research Assistant. Developed methodology for precise tree canopy cover identification using satellite images for Parks and Recreations, City of Toronto. Performed various remote sensing techniques on digital imagery of the City of Toronto.

SOFTWARE EXPERIENCE

ESRI GIS: ArcView, ArcGIS

Image processing: PCI Geomatica

3D model generation: MicroStation, Terramodel, QT Modeler

Production/management: MS Excel, MS Access, PowerPoint, Filemaker Pro

ACHIEVEMENTS AND AWARDS

Ontario Graduate Scholarship in Science and Technology (OGSST), 2006-2007.

Leadership Award, York University, 2002-2003.

Geographic Information Systems (GIS) and Remote Sensing Certificate, York University, Toronto Ontario (2003).

CONFERENCES AND WORKSHOPS

Canadian Urban Institute: Moving to a Greener World - the business case for sustainability begins with a commitment to CSR (corporate social responsibility), 30 May 2008 (workshop).

International Conference on Environmental Informatics, Bangkok, Thailand, 21-23 November 2007

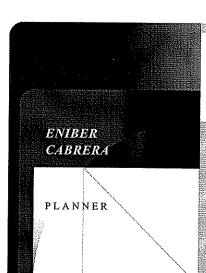
PUBLICATIONS

Amirsalari, F. and Li, J. "Impact of Chloride Concentrations on Surface Water Quality of Urban Watersheds Using Landsat Imagery", International Conference on Environmental Informatics, Bangkok, Thailand, 21-23 Nov. 2007.

APRIL 2009

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Èducation

Management, Hamline University Graduate School of Management, St. Paul, MN, USA, 2003

Bachelor of Arts in Urban Planning, Simón Bolívar University, Caracas, Venezuela, 1996

Affiliations

Ontario Professional Planners Institute

Canadian Institute of Planners

LEED® AP

Languages

English. Spanish

RELEVANT EXPERIENCE

ENVIRONMENTAL ASSESSMENT

Project planner and coordinator on the Central Waterfront Toronto Public Realm Phase 2 Canadian Environmental Assessment Act Screening. Responsible for CEAA screening reports for the different components of the project, including the Rees & Simcoe wavedecks, the Spadina footbridge and the East Bayfront water's edge promenade and stormwater management system.

Project planner and member of the public consultation team for the Environmental Assessment for the Bruce to Milton Transmission Reinforcement Project, a 180 kilometre transmission line from Kincardine to Milton. Coordinated consultation activities and the input from a vast stakeholder group, including 340 property owners, 11 municipal stakeholders, government review team, interest groups and general public.

Providing assistance to the Dillon project manager on the District of Muskoka Long-Range Solid Waste Management Plan Environmental Assessment.

Providing public consultation assistance to the project manager for the Bathurst Street from Green Lane to Yonge Street Class Environmental Assessment.

PLANNING POLICY AND SUSTAINABLE COMMUNITY DESIGN

Project planner and coordinator for the Municipality of Clarington Official Plan Review. The work involves creating a growth management and intensification strategy; conducting an employment lands review; creating a sustainable and healthy communities plan; developing a secondary plan including urban design standards and revitalization strategies for the Courtice Main Street corridor; and developing a parks, open space and trails plan. Responsible for the development of the Growth Management Strategy and the Sustainable and Healthy Communities components.

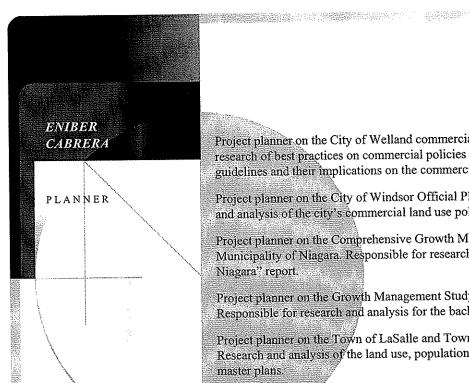
Project planner for the Hamilton Airport Employment Growth District Secondary Plan – Phases 1 and 2. This project includes a Secondary Land Use Plan and Infrastructure Master Plans for the airport employment area expansion plan based on eco-industrial parks principles. Coordinated the Secondary Plan Land Use Report and consultation activities, including public information centres and workshops for the entire project.

Planner working on the Town of East Gwillimbury Official Plan review team. Involved in writing a background paper on sustainable design policy and the town's sustainable development rating system.

Project planner on the sustainability component of the Lawrence Heights revitalization for Toronto Community Housing. Responsible for the development of a sustainable development framework of the revitalization project and the sustainability guidelines as part of the Secondary Plan.

Project planner for execution of a sustainable design workshop for the City of Windsor related to upcoming secondary planning for employment, residential and mixed use areas for the newly annexed land area of the city (former Sandwich Township).





Project planner on the City of Welland commercial strategy study. Responsible for research of best practices on commercial policies and analysis of the town's urban design guidelines and their implications on the commercial policies.

Project planner on the City of Windsor Official Plan Update. Responsible for research and analysis of the city's commercial land use policy as part of the Official Plan Update.

Project planner on the Comprehensive Growth Management Strategy for Regional Municipality of Niagara. Responsible for research and analysis for the "Understanding Niagara" report.

Project planner on the Growth Management Study for the County of Dufferin. Responsible for research and analysis for the background studies.

Project planner on the Town of LaSalle and Town of Lakeshore Fire Master Plans. Research and analysis of the land use, population and employment components of the master plans.

Participated in a study on the process of urban land development for residential use in Venezuela for the Venezuelan National Housing Council (CONAVI).

Project planner in the technical assistance in urban planning for 13 counties in the Caracas' Metropolitan Area.

Coordinated a profile of companies for Chacao County, Caracas, which aimed to rationalize the land use in the municipality.

Analyzed social and economics data, area classification and traffic data for the Improvement of Transit and Transportation Study in Chacao County, Venezuela.

Contributed to a study that improved transit and transportation of the Anzoátegui, Monagas and Sucre states in Venezuela.

Supported the real estate's project management team in market analysis, cash flow analysis, promotion and sales strategies for two residential developments.

BUSINESS COMMUNICATIONS AND STRATEGIES

Logistics and organization of workshops with staff, authorities and Enterprise Resource Program (ERP) providers, communications plan and change management in an ERP solutions implementation for a university with 10,000 students.

Integrated business and real estate valuation for a plastics manufacturing company.

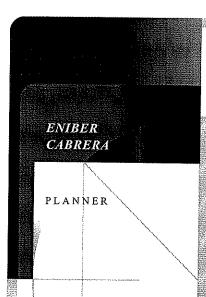
Regional strategic plan and marketing diagnostic for Pepsi-Cola Latin America.

EMPLOYMENT HISTORY

Dillon Consulting Limited

2007-present Planner





Lambda Consulting, Venezuela

2004-2006 Business Consultant Associate

Instituto de Estudios Regionales y Urbanos, Venezuela

2000-2001 Urban Planning Consultant

Breisa Real Estate, Venezuela

1998-2001 Project Coordinator

Urvisa, Urbanismo y Vialidad , Venezuela

1997-1998 Planning Consultant

Ecodipla Consulting, Venezuela

1996-1997 Planning Consultant

AWARDS AND CERTIFICATIONS

Participating in the Professional Access and Integration Enhancement Program TRCA/OPPI/ Ryerson and York University, 2007.

Housing Research National Award 2001: Best Research in Urban Planning, Second Prize, for the research: "Management Skills in Urban Land Development" for the Housing National Council (CONAVI), Venezuela (Collective award).

Fundación Gran Mariscal de Ayacucho 2001: Scholarship for graduate studies in USA

JUNE 2009

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