

# Ontario Smart Grid Forum

## Ontario Smart Grid Forum Notes of Meeting

Date: **Monday, May 17, 2010**  
Time: 09:00 to 13:00  
Location: IESO Minto Plaza Office, Main Boardroom  
655 Bay Street, Suite 410  
Toronto, ON

### Forum Members Attending:

Keith Major	Bentall LP
David Collie	Electrical Safety Authority
Wayne Smith	Hydro One
Norm Fraser	Hydro Ottawa
Paul Murphy	IESO
Don Tench	IESO
Jim Huntingdon	Niagara-on-the-Lake Hydro
Dan McGillivray	Ontario Centres of Excellence
Jon Norman	Ontario Ministry of Energy and Infrastructure
Ivano Labricosa	Toronto Hydro
Craig Martin	TransCanada (by telephone)
Jatin Nathwani	University of Waterloo
Michael Angemeer	Veridian Corporation

### Working Group Members Attending:

David Curtis	Hydro One
Raed Abdullah	Hydro Ottawa
Edward Arlitt	IESO
Russ Houldin	Ontario Energy Board (by telephone)
Usman Syed	Ontario Ministry of Energy and Infrastructure
John Mulrooney	PowerStream

### Guests:

Mr. Gregor Robinson    Ontario Energy Association

**NOTE:** These minutes are appended with a cumulative list of outstanding and closed Forum Action Items.

### **09:10 – call to order, attendance, and confirmation of the agenda**

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### Agenda Item # 1 – Minutes of previous meetings:

Minutes of the March 9<sup>th</sup> meeting of the Smart Grid Forum:

Having received no further comments to the March 9<sup>th</sup> minutes by the previously assigned deadline of **Friday, April 23<sup>rd</sup>** the minutes were declared as final.

Minutes of the April 19<sup>th</sup> meeting of the Smart Grid Forum:

The draft minutes of the April 19<sup>th</sup> meeting of the Forum were tabled with an **ACTION ITEM** to provide comments by **Friday, May 21<sup>st</sup>**.

The Chair indicated that he had sent a thank you note to Dr. Ann Cavoukian, Information and Privacy Commissioner of Ontario for her presentation to the April 19<sup>th</sup> Forum meeting.

### Agenda Item # 2: SGF Items for Publication

Forum members reviewed the proposed list of SGF items for publication (see distribution item).

The question was posed as to whether or not agendas from previous meetings could also be made public, and no objections were raised to this suggestion.

**ACTION ITEM:** Jon Norman (MEI) indicated that there may be some sensitivities around publication of certain materials pertaining to advice to the Ministry at this time and will undertake to get back to the Forum as to when other materials might be suitable for publication.

The Chair indicated that his letter to the Deputy Minister regarding Smart Grid Opportunities Fund may also be published.

### Agenda Item # 3: Deferred from April 19th: March 9th action item: Draft outline for 2010 Annual Report

Edward Arlitt (IESO staff) walked the group through the draft outline of the Smart Grid Forum Annual Report. Don Tench indicated that the development of the Report will largely drive the work plan for the Forum for the remainder of the year.

Comments received from Forum members:

- “Privacy” has to be a key heading in the report.
- The report should send out a message that Ontario is open for investment and innovation.
- Some successful case studies/examples might be useful.
- The University of Waterloo report could be useful for the development of the Electric Vehicles section of the report.
- A discussion of available products and services might be useful.
- The report should include the final version of the high-level Smart Grid Principles previously developed by the Forum.
- The report should put a emphasis on consumer value.
- Public sector investment strategy should factor into the report.
- The timing of the release of the report is crucial.

There was a significant discussion about the timing of the release of the report. No final decision was made, but the general timeframe discussed fell in early 2011.

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### **Agenda Item # 4: Corporate Partners Committee Update regarding further discussions with the Ontario Energy Association (OEA)**

(See also, draft proposal from the OEA)

The Chair welcomed Mr. Gregor Robinson of the Ontario Energy Association (<http://www.energyontario.ca/>).

Mr. Robinson provided some background to the OEA and its ~ 160 (approx.) member organizations and the OEA's high level of enthusiasm for the Corporate Partners Committee. He also outlined how several OEA committees intersect with the smart grids topic and that some of this ongoing interaction with the various committees would be on an as-needed basis. On the question of membership, it was indicated that the OEA is relatively flexible and could accommodate non-member organizations on the Corporate Partners Committee. As per the proposal, it is currently envisioned that the Corporate Partners Committee itself would be comprised of 10 to 15 members with a designated Chair.

Comments from Forum members included:

- LDC involvement in the Corporate Partners Committee is not critical given current representation on the Smart Grid Forum itself. Generally speaking we need more non-LDC members from the private sector.
- A Forum member suggested the addition of a gas utility.
- It was suggested that the Committee should include some small, Ontario Manufacturers. On this point, it was further suggested that the Ontario Centres of Excellence could assist.
- Advice from smart grid device manufactures is critical.
- A Forum member suggested the addition of a member from the communications/networks sector.
- A Forum member suggested the addition of a member from the distributed generation sector.
- A Forum member suggested the addition of a member from the advanced distribution automation sector.
- A Forum member suggested the addition of a member from the automotive sector.

**ACTION ITEM:** Don Tench, Gregor Robinson and Jon Norman to discuss potential nominations for the Corporate Partners Committee.

### **Agenda Item # 5: Report back from the working group:**

(See also, presentation for this agenda item)

Edward Arlitt (IESO staff) presented the slide deck containing the report back from the Smart Grid Forum Working Group on the following issues:

- Interoperability Issues
- Suggestions for future themes of S.G.F. meetings
- SGF Assignment from April 19<sup>th</sup> meeting: further consideration of the SGF adopting the Ontario Information Privacy Commissioner's 7 principles of Information Privacy (including review of the Working Group's comments on this matter).

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There was extensive discussion on slides 9, 10, 11 of the presentation (AMI Interoperability and related smart grid initiatives). Some comments from Forum members included:

- Is there a specific Ontario body that should be looking at emerging interoperability standards in this area?
- There is definitely a strong electric vehicles tie-in with this topic.
- Measurement Canada is leaning towards international standards, but is moving very slowly.
- The Working Group should consider the following question: Is the smart meter the right conduit into the home, and if so, what are the specific issues that the Forum should address?
- There is definitely an LDC role with respect to Home Automation Networks (HANs)
- We absolutely cannot have Ontario-specific standards in this areas.
- General Electric and other companies should weigh-in on these standards.

Slides 18 to 22:

The next major topic in the slide presentation that the Forum deliberated on, what the question raised at the May 17<sup>th</sup> meeting, concerning whether or not the Forum should adopt the Ontario Information Privacy Commissioner's seven privacy principles for the smart grid, contained in the IPC document, *"Smart Privacy for the Smart Grid: Embedding Privacy into the Design of Electricity Conservation"*, November 2009. The proposed recognition statement is contained on slide # 22. During this discussion, comments from Forum members included the following:

- The high-level smart grid principles developed by the Forum will be binding on the OEB.
- There was extensive discussion on the notion of "adoption" and its potential implications. Various members expressed their opinions both for and against "adoption" of the IPC's seven principles by the Forum.
- The Forum and its members should be held to the high-level smart grid principles, but not necessarily the more detailed IPC privacy principles.
- The Forum should at least recognize the seven privacy principles.

No final decision was made on this matter and it was agreed to return to this question again at a later date.

### **Agenda Item # 6: Theme Topic Discussion: "Behind the Meter"**

(See also, presentation for this agenda item)

**Note:** In the interests of time, the slide deck was not presented in its entirety. Edward Arlitt (IESO staff) presented portions of slide deck pertaining to the specific questions for Forum members – particularly those pertaining to interoperability issues, as it directly ties in with the earlier discussion pertaining to AMI standards as part of the Working Group's Report as part of agenda item 5 (see above). On the question as to whether or not behind-the-meter standards of any relevance to the Forum, some of the comments made during the discussion included the following:

- Are incentives the right mechanism? Perhaps the LDC's interest in standards begins and ends where public subsidies are involved.
- Let's not pick "winners and losers". The goal here is to set up an environment that protects consumer choice.
- Don't forget that this is a world-wide phenomenon and therefore needs to be treated as such.
- Maybe we need to have an active role through the gateway/"portal" into the home. This is where the LDC's need to be involved.

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- Homeowners are going to want to know if their appliances will be interoperable with the services that the utilities provide.
- We need to make sure that groups of LDC's coordinate their activities with one another.
- The real question is: what extent should LDCs offer interoperability to their customers? The customers need to know when and where the LDC is going to make the investment to support specific products and services.

Don Tench posed the question to the Forum as to whether or not the “theme” discussion and the format of the supporting slide was a helpful approach, and the group generally felt that it was. It was agreed to return to the remaining portion of the slide deck at a future meeting.

The Chair took the opportunity to summarize some of the points raised - particularly:

- Public vs. private money is really the key demarcation point behind the meter as to where the utility needs to be involved.
- LDCs should provide the necessary information to support technological selection.

### **Next Meeting:**

Morning of June 8<sup>th</sup>, 2010 (details to follow).

**13:00 – Adjournment.**

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### APPENDIX 'A' S.G.F. **OPEN** Action Items as of May 17, 2010

Action Item	Date Assigned	Assigned To	Target Completion	Status
Report back to the Forum as to when other materials pertaining to advice to government since Fall, 2009 might be suitable for publication.	May 17 <sup>th</sup>	Jon Norman	TBD	OPEN
Report back to the Forum on potential nominations for the Corporate Partners Committee.	May 17 <sup>th</sup>	Don Tench, Greggor Robinson and Jon Norman	June 8 <sup>th</sup>	OPEN
Jatin Nathwani to report back to the Forum on the salient points of emerging standards for Electric Vehicle charging stations in order to support a future discussion on the matter.	March 9 <sup>th</sup> , 2010	Jatin Nathwani	May 17 <sup>th</sup>	OPEN
Examine the IESO Market Rules from the standpoint of whether or not they present any barriers to participation of load aggregators, and scheduling service providers in the wholesale market or otherwise conflict with the smart grid interoperability framework.	Feb. 9, 2010	IESO Staff	TBD	OPEN
Forum members should familiarize themselves with the seven privacy principles which are contained in Appendix 'A' of the IPC's smart grid discussion paper entitled " <a href="#">Smart Privacy for the Smart Grid: Embedding Privacy into the Design of Electricity Conservation November 2009</a> ".	April 19 <sup>th</sup> 2010	All Forum Members	May 17 <sup>th</sup>	OPEN

### APPENDIX 'B' S.G.F. **CLOSED** Action Items as of April 19, 2010

Action Item	Date Assigned	Assigned To	Target Completion	Status
Edward Arlitt (IESO staff) to draft an outline of the 2010 Annual Report of the Ontario Smart Grid Forum for consideration by the Forum.	March 9 <sup>th</sup> , 2010	Edward Arlitt	May 17 <sup>th</sup>	CLOSED
The Working Group should map the interoperability issues screening criteria it came up with to current Ontario activities and highlight to the Forum specific topics of interest that meet the screening criteria.	April 19 <sup>th</sup> 2010	Working Group	May 17 <sup>th</sup>	Initial report made on May 17 <sup>th</sup> . Ongoing examination of this topic will continue.
The SGF Working Group should recommend smart grid interoperability standards-related issues that the Forum should focus on	March 9 <sup>th</sup> , 2010	SGF Working Group	April 19 <sup>th</sup> 2010	CLOSED
The Forum Working Group should suggest what survey questions might be posed to the CEA Corporate Partners Committee for the purposes of developing the Forum's next annual report.	March 9 <sup>th</sup> , 2010	SGF Working Group	April 19 <sup>th</sup> 2010	CLOSED
Wayne Smith to seek positive confirmation from the CEA that additional Ontario nominees for the Corporate Partners Committee will not have become full-fledged members of the CEA.	March 9 <sup>th</sup> , 2010	Wayne Smith	April 19 <sup>th</sup> 2010	CLOSED as a result of OEA proposal

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Action Item	Date Assigned	Assigned To	Target Completion	Status
Forum members were asked to make any further suggestions for additions to the list of Additional Nominations for CEA Corporate Partners Committee as soon as possible.	March 9 <sup>th</sup> , 2010 and Feb. 22 <sup>nd</sup> , 2010	Forum Members	April 19 <sup>th</sup> 2010	CLOSED as a result of OEA proposal
Forum members to review the RACI matrix in light of March 9th discussion and convey any further comments to IESO staff.	March 9 <sup>th</sup> , 2010	Forum Members	April 19 <sup>th</sup> 2010	CLOSED
The SGF Working Group should identify those principles that are truly unique to the smart grid where new roles and responsibilities might need to be defined.	March 9 <sup>th</sup> , 2010	SGF Working Group	April 19 <sup>th</sup> 2010	CLOSED
The SGF Working Group should identify those principles where it feels that that accountabilities for that topic are too diffuse (based on the entries in the RACI matrix) and make recommendations as to how this might be rectified.	March 9 <sup>th</sup> , 2010	SGF Working Group	April 19 <sup>th</sup> 2010	CLOSED
Ministry Staff and the Chair will coordinate the timing of any such communications between the Forum and the Ontario Government regarding the Smart Grid Opportunities Fund.	March 9 <sup>th</sup> , 2010	Ministry Staff and Forum Chair	April 19 <sup>th</sup> 2010	CLOSED