

# Toronto Local Advisory Committee Meeting #2

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June 1, 2016

# Presentation Outline

- Presentation by City of Toronto
- Review of Last Meeting
- Questions Submitted: Protocol for Responding
- Plan Implementation Update & Where We Are in the Regional Planning Process
- LAC Framework Discussion

# PRESENTATION BY CITY OF TORONTO

# Protocol for Questions

- Inquiries received from LAC members between scheduled LAC meetings will be answered by the next meeting (pending sufficient lead time is provided)
- All inquiries and responses will be shared with all LAC members
- Inquiries not related to regional planning will be acknowledged and an alternative resource for this information will be provided

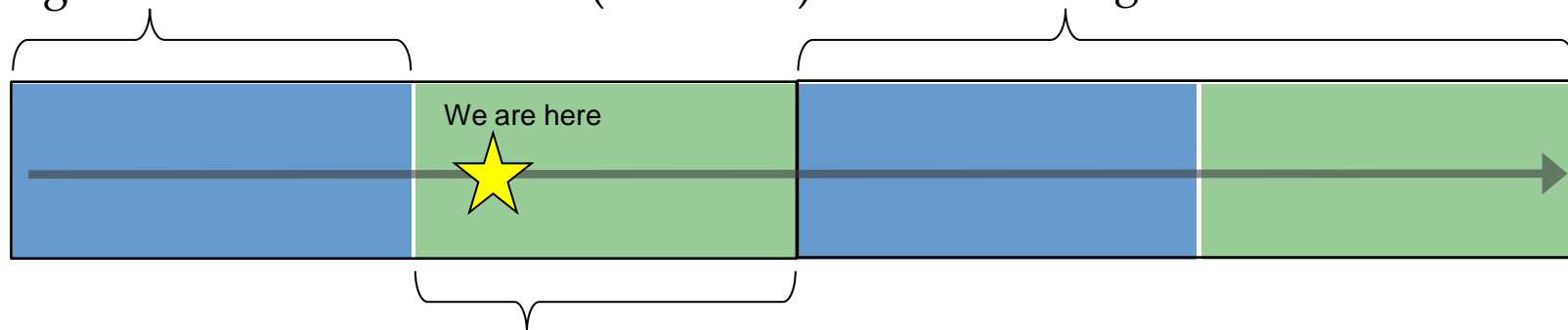
# Regional Planning Cycle: Where Are We?

## Regional Plan Development Phase (2.5 years)

- Needs Screen (60 days)
- Scoping Assessment (90 days)
- IRRP (18 months)
- Regional Infrastructure Plan (6 months)

Cycle begins again

- LAC expected to continue throughout



## Regional Plan Implementation and Review Phase (2.5 years)

- Monitor implementation progress
- Project approvals (OEB, EA, etc.)
- Engage with communities (e.g., LAC)
- Information gathering for next cycle
- Update / reassess as necessary
- Prepare for next active planning phase

# IRRP Implementation Update

- Conservation
  - Programs ongoing under province's Conservation First Framework
  - Toronto Hydro implementing CDM Plan
- Transmission and Distribution reinforcements
  - Development work ongoing
  - Toronto Hydro infrastructure funding approved by Ontario Energy Board
- Assessing distributed resource options
  - For deferring/avoiding future wires investments
- Engagement with the LAC ongoing

# Expectations of a LAC

- Desirable outcomes from LAC engagement:
  - Advice that can be factored into the development of future regional plans for the area
  - Feedback and insights on local priorities and views
  - A good sense of community plans, goals, objectives that are material to the development of the electric power system to serve the area
  - Advice on broader community engagement
  - Help filling knowledge gaps regarding local opportunities

# Examples of Knowledge Gaps

- Distributed energy resources, storage and smart grid
  - How can these opportunities be leveraged to offset Toronto's long-term needs?
  - E.g., Back up generators in large buildings
- Urban resilience
  - Role of utility vs. customer responsibilities
- Implementation of near term Conservation and Demand Management
  - Focusing on local grid pressure points



# LAC FRAMEWORK DISCUSSION

# Highlights of Survey Results

- Members' top "goals" for participating in the committee
  - Help developing a plan for reliable electricity supply
    - Provide reasonable, actionable advice
  - Consideration of distributed and behind the meter generation
  - Better understand plans and support solutions
  - Help build a better plan
  - Represent consumers; participate in the process
  - Learning more about the system

# LAC Member Objectives for Participating

- Reliability and concerns about cost/affordability
- Alignment with city growth needs; connecting with broader city development plans
- Contributing to planning and long-term strategy
- Concerns about resilience and climate change; understand linkage to environmental goals
- Facilitating CHP/behind the meter opportunities
- Ensure planning is sound and reasonable
- Integration of electric transportation needs
- Role of emerging technologies (e.g., storage)
- Other sources of energy (e.g., off-shore wind)

# Priority Topics for Future Meetings

<b><u>Planning Objectives</u></b>	<b><u>Reliability &amp; Resiliency</u></b>	<b><u>Local Opportunities &amp; Innovation</u></b>	<b><u>Environmental</u></b>
<ul style="list-style-type: none"><li>• City development and transportation plans</li><li>• Sound power system plan</li><li>• Net zero planning</li><li>• More detail on near and long term plans</li><li>• Meeting growth needs (e.g. transit electrification, new condos)</li><li>• Cost and impact on electricity rates</li></ul>	<ul style="list-style-type: none"><li>• Reliability / reliability of supply</li><li>• Resilience / extreme weather resilience</li><li>• Grid supply availability and consistency</li></ul>	<ul style="list-style-type: none"><li>• Understanding conservation and DE opportunities</li><li>• Smart grid planning</li><li>• Role of innovation</li><li>• Barriers to change</li><li>• Marketplace trends (solar, storage,...) and impacts</li><li>• Potential/reality of embedded sources and desirability</li><li>• Best practices from other jurisdictions</li></ul>	<ul style="list-style-type: none"><li>• Low Carbon Future</li><li>• Not harmful to the environment</li><li>• Environmentally sensible</li></ul>

# 2016 LAC Agendas

	January	June	November
<b>Working Group Priorities</b>	Inaugural Meeting	LAC Framework Discussion <ul style="list-style-type: none"> <li>• Where we are in the process</li> <li>• Survey results</li> </ul>	Distributed Energy Resources*: <ul style="list-style-type: none"> <li>• Opportunities</li> <li>• Challenges</li> </ul>
<b>LAC Member Priorities</b>		City of Toronto Presentation	

\*What we'd like to know about Distributed Energy Resources (DER)?

- How can we assess local opportunities to use DER to:
  - Avoid/defer specific transmission/distribution needs
  - Provide customers with greater resilience
  - Help align power system development and city planning objectives
  - Facilitate greater overall energy self-sufficiency in Toronto

# 2017 LAC Agendas

	February	June	November
<b>Working Group Priorities</b>	Status of Supply-Side Solution	Long-Term Needs and Options	Long-Term Needs and Options
<b>LAC Member Priorities</b>			

# 2018 LAC Agendas

	February	June	November
<b>Working Group Priorities</b>	Status of Supply-Side Solution	Discussion of Next Regional Planning Cycle	Input into Next Steps in the Regional Planning Process
<b>LAC Member Priorities</b>			

# Next Steps

- Meeting summary to be provided to the LAC members for review
- Each LAC meeting to include a 15-minute review of the topics for the next meeting to confirm objectives for the meeting
  - Brainstorming of the topic to be explored, potential guest presentations etc.
- Next meeting: November 2016