

# SGF Agenda Items 1 to 3

Ontario Smart Grid Forum  
Tuesday, July 13, 2010



- Final minutes of the May 17<sup>th</sup> Forum meeting:
  - No further comments received
  - Recommended as final
- Draft minutes of the June 8<sup>th</sup> Forum meeting
  - Circulated for comment

- **Recall:** OEA Corporate Partners Committee proposal discussed at the May 17<sup>th</sup> and June 8<sup>th</sup> Forum Meeting
- **Progress since last meeting:**
  - Further discussion within the SGF Working Group regarding potential questions for the Partners Committee
  - Preliminary Membership List
  - Terms of Reference
  - **Today's inaugural joint meeting**

## Proposed agenda for this afternoon's joint meeting:

- 1. Administrative Items:**
  - Welcome and Introductions 20 min.
  - Review Corporate Partners Terms of Reference
- 2. Thoughts from the Smart Grid Forum**
  - Perspective on the need for the Corporate Partners Committee 30 min.
  - General expectations of the Committee
  - Areas of work and possible topics/questions of interest
- 3. Measurement of Success of Smart Grid** 30 min.
- 4. Thoughts from the Corporate Partners:**
  - Partners' outlook for Smart Grid in Ontario: market opportunities, barriers, timelines, innovation 30. min.
  - Priorities and timelines
- 5. Next Steps** 10 min
  - Immediate actions and activities



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# Agenda Item # 2: Update on Corporate Partners Committee

- “Measurement of Success”
  - An additional topic of discussion for this afternoon’s joint meeting – raised at the request of the Partners Committee:
    - What does “success” look like?
    - What is the criteria for determining success and measuring its progress for it?
    - How should the Forum and the Partners Committee go about defining success criteria and metrics for the smart grid?

## Additional, potential questions for the Partners Committee from the SGF Working Group:

- “What are the various timelines that Partners expect for the implementation of their respective components of the smart grid in Ontario? How will this be achieved?”
- How are the various Partners promoting interoperability amongst themselves?
- How are Partners reaching out to LDCs in order to foster innovation?
- Generally speaking is the smart grid developing in accordance with the Partners’ expectations so far?”

## Additional, potential questions for the Partners Committee from the SGF Working Group:

- “Insights into how the consumer behaves with respect to various types of behind-the-meter technologies
- What do consumers want? and, how can they be motivated?
- What are the best mechanism to reach out to the consumer in the first place.”

- **RECALL:** A number of specific demand-response related topics were also identified for the Partners Committee by the Working Group:
  - “Determine how to make programs widely available to customers
  - How do we avoid demand response programs from becoming barriers to new technologies?
  - Integrate Electric Vehicles, Storage Technologies and Smart Appliances with DR capability
  - Coordinating technological selection decisions between LDCs, customer and 3<sup>rd</sup> parties in order to avoid barriers to competition.”

## Agenda Item # 3:

Report back from the Working Group



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**Report:** On Tuesday, June 29<sup>th</sup>, the Working Group met to continue its ongoing discussion regarding the **costs and benefits of the Smart Grid.**

**Recall:** action item assigned by SGF to working group on June 8<sup>th</sup>:

*“The Working Group should commence the development of a smart grid costing model.”*

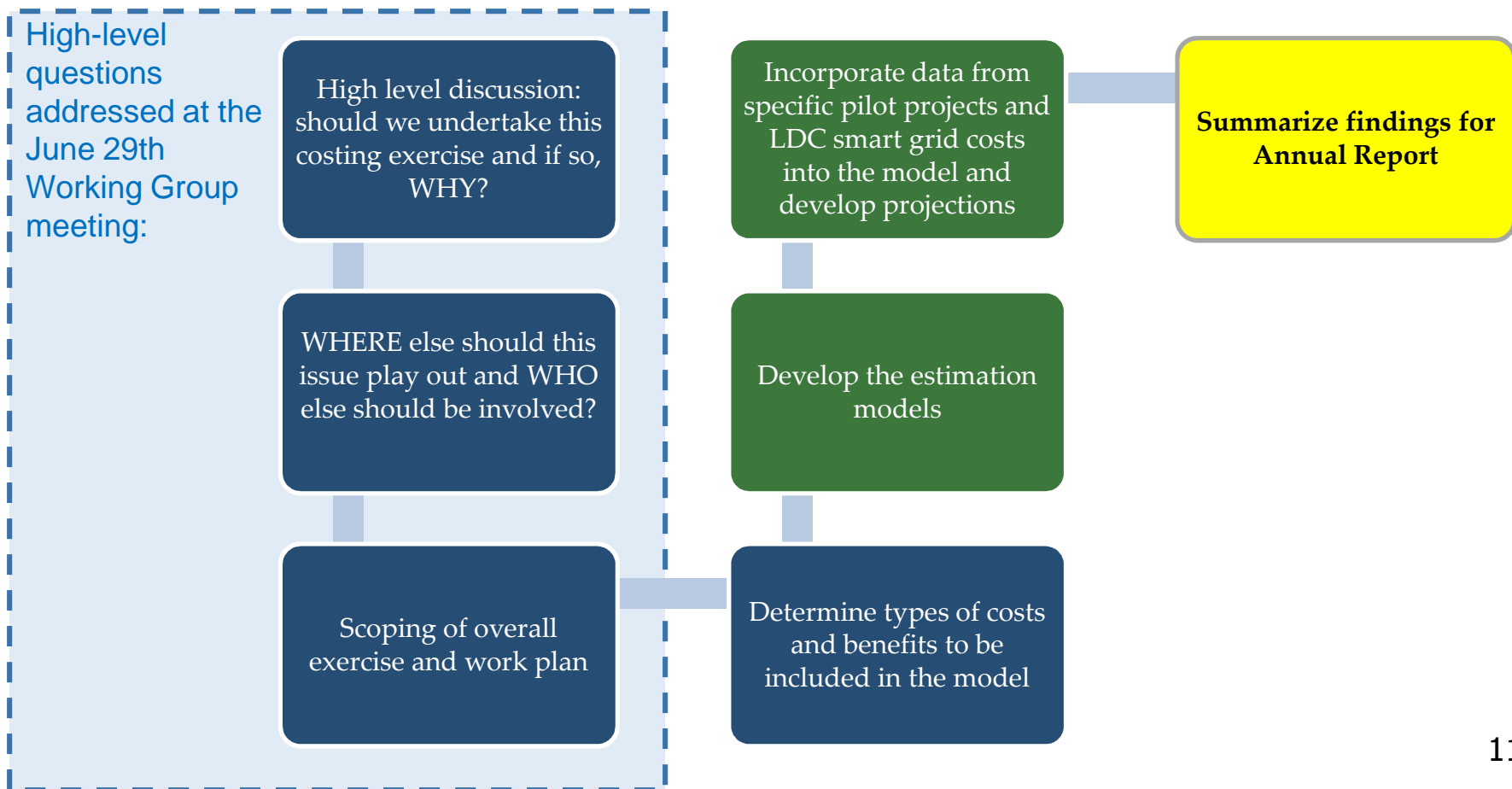
In addition, the Working Group also discussed the higher level context of the benefit/cost question as well....



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## Smart Grid Cost Estimate Model Work Tasks - from high-level issues to the technical details:



- Working Group deliberations on high-level questions (cont'd): **the “why?” question**
  - Overall, the linkage between expected costs and intended benefits of the smart grid is becoming a pressing issue for Ontario and the broader electricity industry.
  - Any cost projections and commentary should therefore not be isolation associated benefits, even though many of these benefits may be difficult to describe.

- Working Group deliberations on high-level questions (cont'd): **Where else will this issue play out?**
  - **MEI** – application of high-level smart grid principles
  - **LDCs** – formulation of smart grid investment plans
  - **OPA**- Demand Response, FIT, microFIT program designs
  - **OPA** - Demand Response and distributed generation targets in the IPSP
  - **OEB** – cost recovery hearings
  - **Customers and service providers**– developing expectations for smart grid services and capabilities<sup>13</sup>

- Working Group deliberations on high-level questions (cont'd): **General Guidance**
  - An updated analysis of potential costs may be warranted, but there must be a clear linkage to the associated, intended smart grid benefits.
    - Generally refresh the approach taking for the 2009 report but ensure the connect is benefits is clear.
    - The first task in developing these costs, will be to derive smart grid requirements/benefits implied by the 22 high-level principles previously developed by the Forum.
    - “Smart Grid Benefits” should be defined at an overall provincial level.



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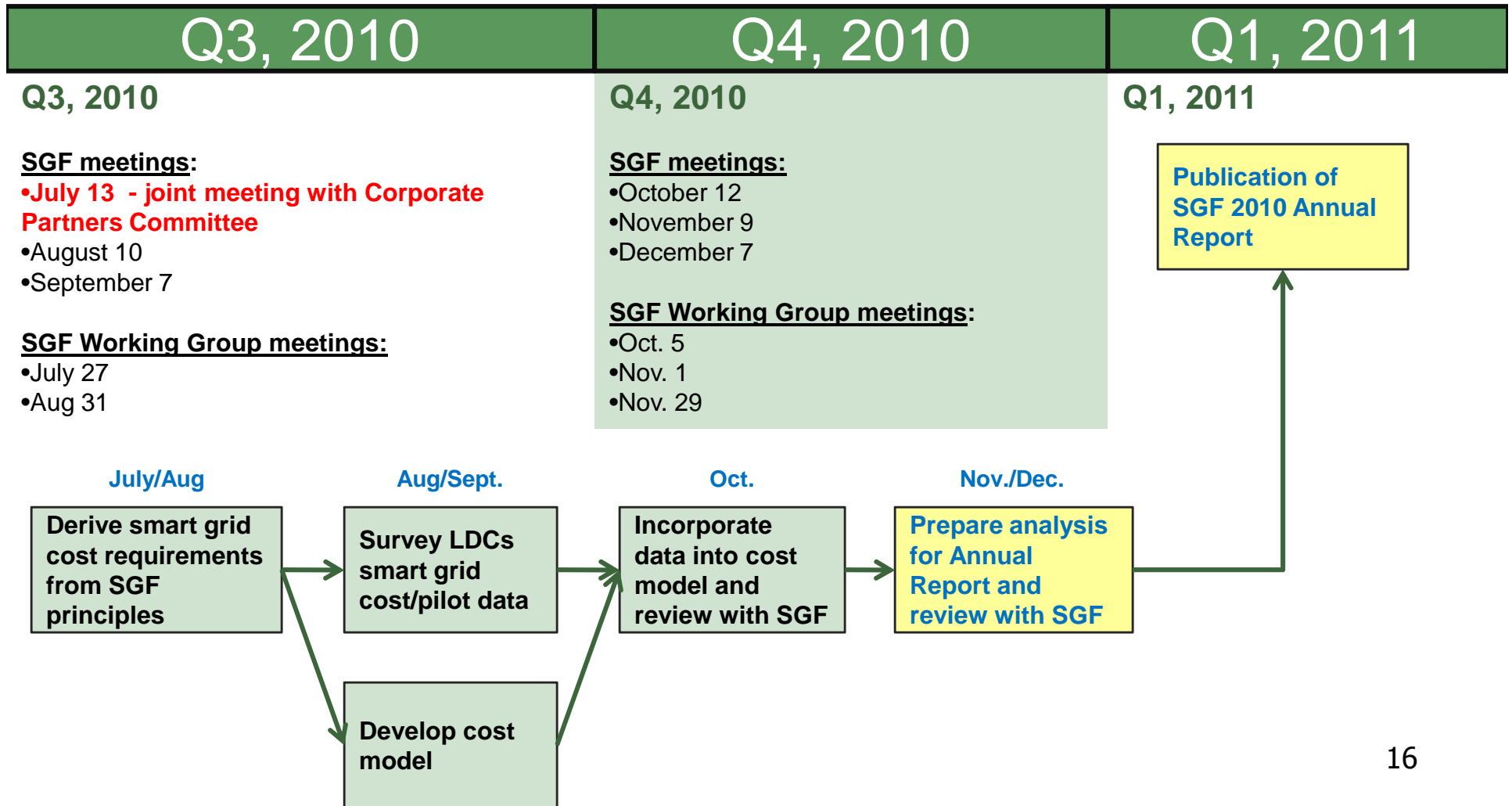
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- **General Guidance (cont'd):**

- ~ five-year timeframe
- Possibly incorporate operating costs
- Focus on common, public infrastructure that supports the value chain needed to provide the desired benefits to the consumer and where applicable, our broader society

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## Work Plan:





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Thank you.