

Distribution Network Investment Planning

(EB-2010-0377)

Materials for Working Group Meeting 3

January 14, 2013

agenda

- Welcome
- Review of Dec. 13th WG discussions
- Straw man: investment categories for FRs
- Investment planning metrics for FRs & 'scorecard'
- System capability assessment methods/terminology
- Planning information 'updates' considerations
- Matters arising from today's discussion
- Next meeting
- Adjourn



- synthesizes
 - slide 35 of staff's proposal
 - information provided by
 - Horizon Utilities
 - Hydro One
 - Hydro Ottawa
 - Thunder Bay Hydro

Category	Description	Drivers	Projects / Activities	Code Ref
A		Customer Service Requests	new customerconnectionsmodifications toexisting customerconnections	connection
	System modifications to meet customer service obligations - Investment expenditures related to providing a customer or group of customers (including generator customers) with access to electricity services via the distribution system.		system expansions for customer connections or property development	expansion
		3 rd Party Infrastructure Relocation Request	system modifications for property or infrastructure development	expansion
		Other Mandated (DSC; CS; etc.) Service Obligations	meteringLTLT	connection or expansion

Category	Description	Drivers	Projects / Activities	Code Ref
В	System asset replacement or refurbishment at end of useful service life - investment expenditures related to the ability of existing assets or asset systems to provide customers with electricity services via the distribution system where this ability is a function of: failure; failure risk; substandard performance; high performance risk; functional compatibility with new related and/or interdependent assets or asset systems; etc.	compatibility on	batteries cable (by type) cable splices civil works conductor elbows & inserts insulators Poles (by type) physical plant relays switchgear transformers (by type) other equip (by type)	enhancement

Category	Description	Drivers	Projects / Activities	Code Ref
C	System modifications to meet expected spatial and/or volumetric changes in load or to meet distributor operational objectives, including safety, reliability and power quality	Forecast Load Growth	property acquisition capacity upgrade (by type): – phases – circuits – conductor – voltage – transformation – regulation line extensions	enhancement or renewable enabling improvement
	for electricity services from the	Network operational objectives	protection & control upgrade - reclosers - tap changer controls/relays - transfer trip automation (new/upgrades) - by device type - by function	



Category	Description	Drivers	Projects / Activities	Code Ref
D	Non-system investments related to the land, structures, depreciable improvements, equipment and tools needed to carry out the day to day activities that enable the provision of electricity services to customers	Sustaining network maintenance & inspection activities Sustaining business administration and customer relationship activities and systems	business equipment business supplies business software rolling stock tools	n.a.

