

Design Element Options

Phase 2 – Session 2
Single Schedule Market Stream

August 17, 2017

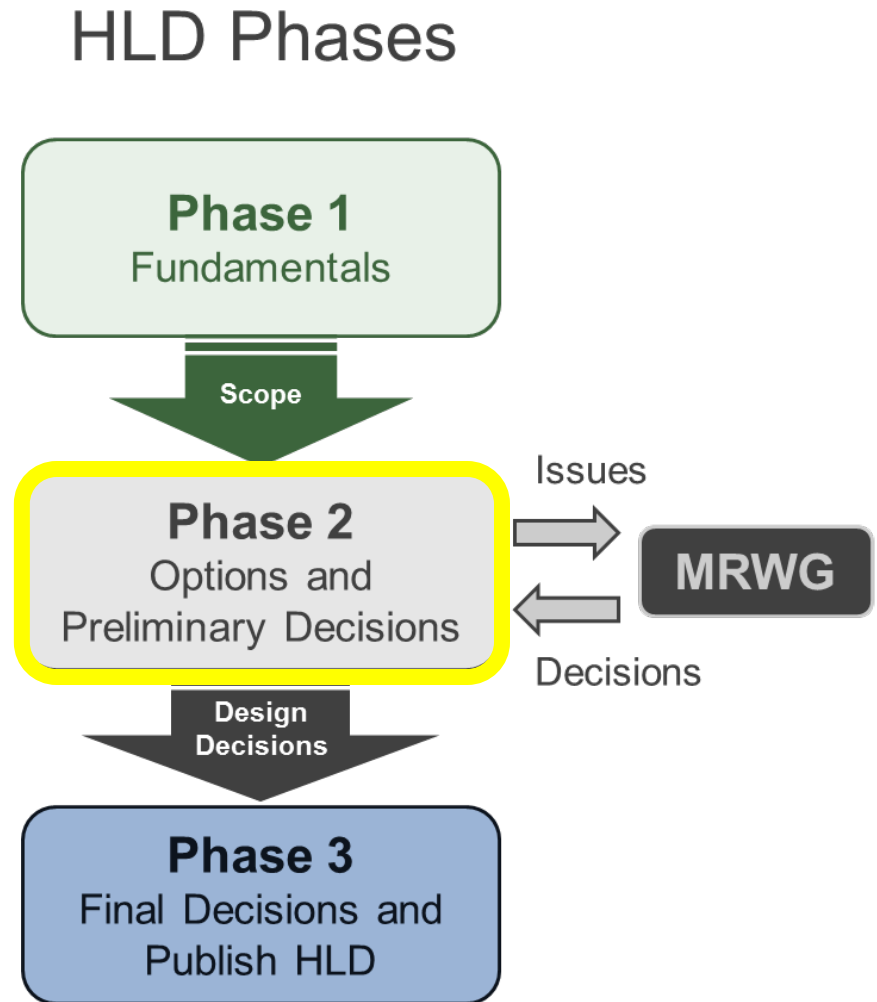
Today's Agenda

1. Update of the work plan for Single Schedule Market stakeholdering
2. FTI on options related to Single Schedule Market pricing Issues
 - a) Load Pricing
 - b) Market Power Mitigation
 - c) Make Whole Payments and Uplift

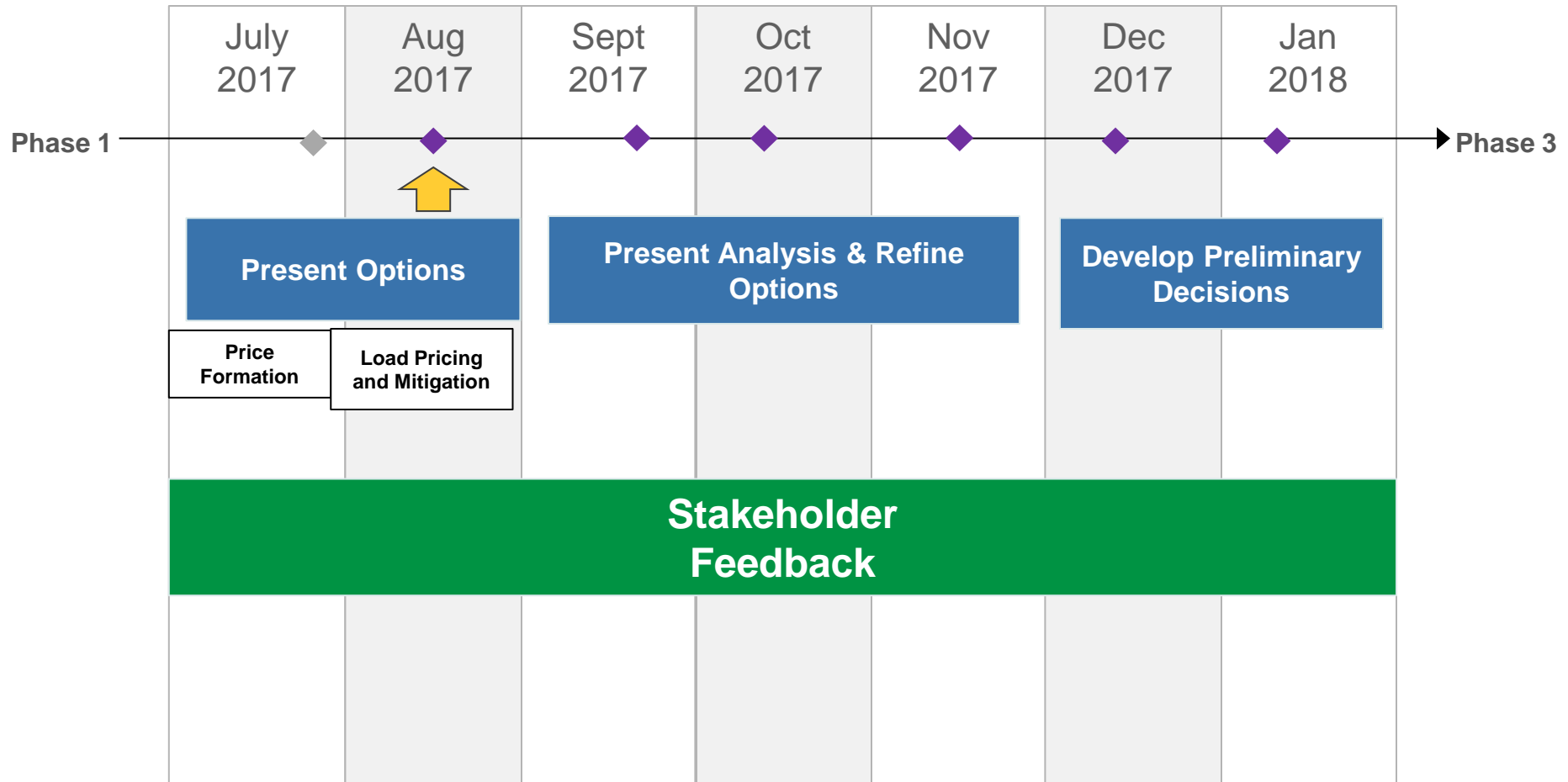
WORK PLAN FOR SINGLE SCHEDULE MARKET STAKEHOLDERING

Phases of High Level Design - Reminder

- SE Meetings will be the primary vehicle for design discussions
- In Phase 1 we will identify design elements, provide education, and define scope
- **In Phase 2 we will explore options for the design elements, provide analysis, as appropriate and develop preliminary decisions**
- In Phase 3 we will finalize decisions for all design elements and complete the HLD document
- Throughout this process we are looking for stakeholders to actively and collaboratively work with us on the design



Stakeholder Engagement Phase 2: Options



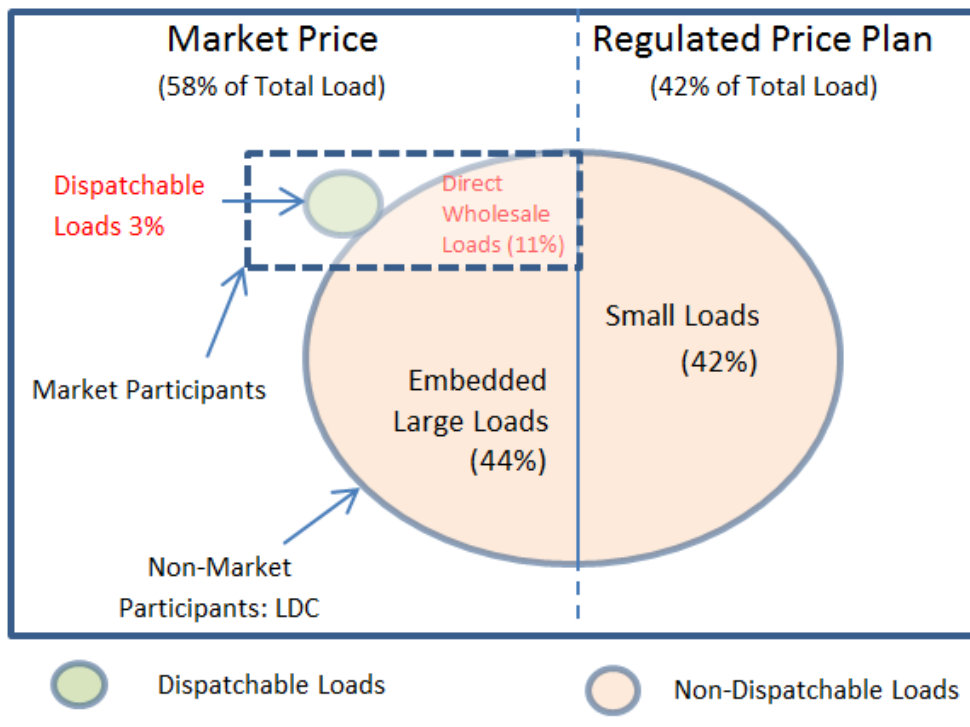
SSM Design Elements: Options Session #2

Today

Market Power Mitigation	
13	Mitigation Process
14	Timing of Application
15	Reference Levels
Load Pricing	
16	Pricing for Loads
17	Financial Transmission Rights
Settlement	
18	Make Whole Payments
19	Uplift

Load Pricing – Who is Affected?

	Customer Class	Currently Priced Using:	Affected by Load Pricing Options?
IESO-Settled Loads	Dispatchable Loads	5 minute MCP	Yes
	Other Wholesale Loads	HOEP	Yes
LDC-Settled Loads	Large Customers (>250,000KWh)	HOEP	Maybe
	Small Customers (<250,000 KWh)	OEB-regulated price	No



Today's Objectives – Outcomes and Expectations

- We are not aiming to make decisions at today's session
- Looking to explore the options presented with participants
 - A Q&A session
- Would like input from stakeholders regarding the analysis that would best facilitate a better understanding of the choices presented

Today's Objectives – Feedback

- Prioritize design elements requiring further analysis or research
- Identify specific analysis/data that may be helpful in evaluating specific options
- Where tentative design decisions can be made; identify where focus can be applied to further develop specific options/sub-options

IESO Tracking Forms

- The IESO has created and circulated three tracking forms:
 - Design Elements (list of options, preliminary decisions)
 - Action items (requests/follow ups to IESO/FTI from stakeholders)
 - Issues Tracker (issues raised by stakeholders)
- The forms will be updated regularly through the options phase
- Design element trackers will also be created for the other work streams (Day-Ahead Market and Enhanced Real-Time Unit Commitment to commence in Q3)

SSM Design Elements: Options Session #3

Thursday, September 21

Price Formation	
	Energy Price - Congestion Component
2	Energy Reference Price
3	Energy Price - Loss Component
4	Ex Post vs. Ex Ante Pricing
5	Intertie Congestion Pricing
6	Supplier Pricing
7	Operating Reserve Reference Price
8	Operating Reserve Price - Congestion Component
9	Constraint Violations
10	Out-of-market Operator Actions
11	Multiple Interval Optimization
12	Price Setting Eligibility