

Market Tools User Group Stakeholder Engagement Session ETS and ADaMS Roadmap

May 17, 2022

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- Two ways to ask questions if you are accessing the webinar using your computer or smartphone
 - Click “Raise Hand” icon and the host will be notified that you would like to ask a question. The host will unmute your microphone, you in turn will need to unmute your microphone and then you can ask your question.
 - When asking a question, please state the “organization you work for and your first and last name”
 - You can also ask questions by using the chat function and typing them in. Please add “question and the organization you work for” at the start of your chat, for example: “Question ABC company: what does FEOC stand for?”

OUR ENGAGEMENT PRINCIPLES

Inclusive and Accessible

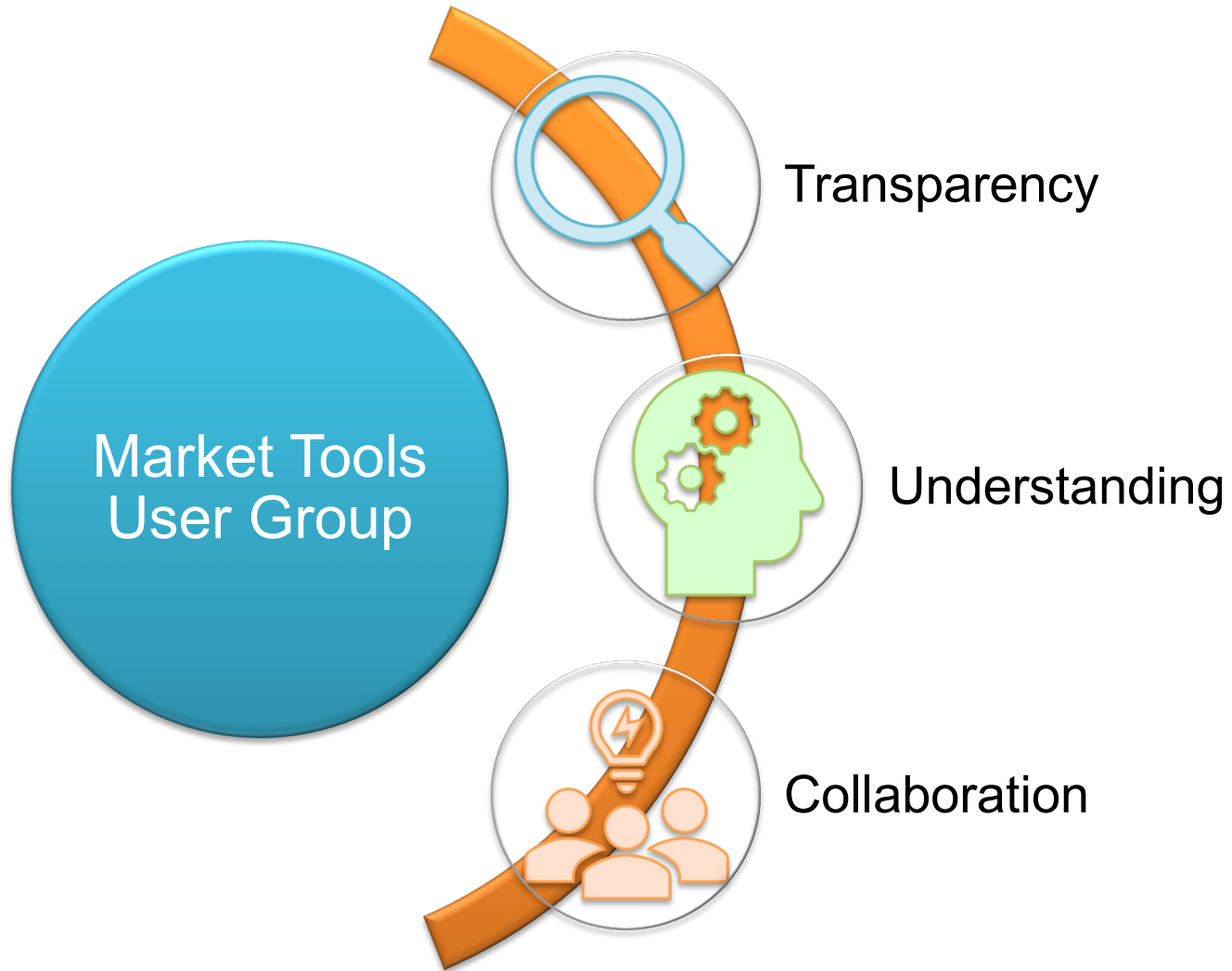
Strategic and Coordinated

Transparent and Timely

Customized and Meaningful

- The participation of everyone here is critical to the engagement process. To ensure everyone has the opportunity to participate, we ask you to:
 - Listen to understand others' perspectives
 - Disagree respectfully
 - Balance airtime fairly
 - Keep an open mind

Time	Item	Presenter
9:00 AM	Welcome and introduction	Mark Roberts
9:10 AM	ETS roadmap discussion	
9:55 AM	ETS close-out and next steps	
10:00 AM	Welcome and introduction	
10:10 AM	ADaMS roadmap discussion	
10:55 AM	ADaMS close-out and next steps	



- Engage stakeholders to discuss how AESO software solutions can grow to provide the most value to day-to-day operations and to meet the most impactful changes facing participants.
- Solutions discussed today:
 - Energy Trading System (ETS)
 - Automated Dispatch and Messaging System (ADaMS)
- Market Tools communication:
 - Help with tool setup or operation (i.e., contact tool experts): info@aeso.ca
 - Feedback, planning, high-level queries: MarketTools@aeso.ca

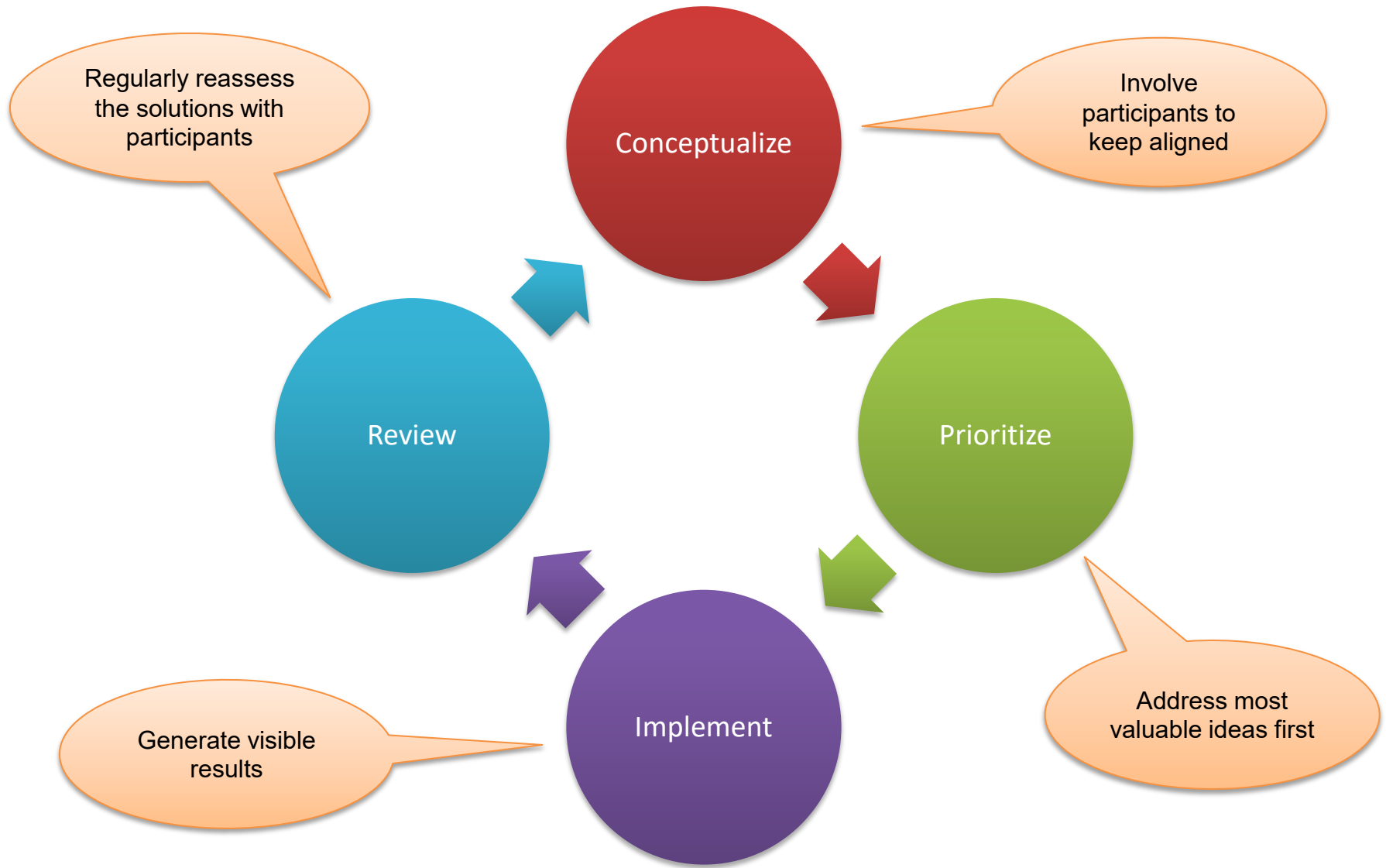
- Alberta Newsprint Company
- TransAlta
- Northpoint Energy
- Digital Engineering Inc.
- DOW Chemical ULC
- Heartland Generation
- Voltus Energy Canada
- Constellation
- Lionstooth Energy Inc.
- City of Medicine Hat
- ATCO
- AccuBytes Inc
- Apex Clean Energy
- IBI Group Professional Services (Canada) Inc
- Powerex
- HV Logic Inc.
- Pattern Energy
- ENMAX
- Capital Powe

Introduction

Hasn't the AESO done this before?

- Yes. The most recent effort was in 2017.
 - Great ideas were generated. Those results have not been lost.
- Challenges
 - The solution gets so large the budget can't be justified.
 - “Big bang” projects don't keep up with a changing world.
- Need sustainable growth balanced between huge upgrades and basic maintenance.





ETS Roadmap

- Reporting market controls over SCADA improves situational awareness for controllers by allowing integration into a single control system.
- Display relationship between current asset dispatch and the offer strategy, enabling controllers to better prepare for next expected dispatch.
- Encourage feedback between controllers and marketers.
- Reduced opportunities for non-compliance with ISO rules.
- *Any other benefits?*
- *How about web APIs instead of or in addition to SCADA?*

How can AESO's software solutions evolve to better serve the business functions that currently use ETS?

- Does ETS constrain your business processes? For example, does it force manual steps that could be automated?
- Are there any other tools involved in these processes? How do they interact with output from ETS, if at all?
- What factors influence change in these processes? How are those likely to change in the future?
- Are there any urgent challenges to the efficiency of these processes? Do you foresee any necessary changes?
- Have you discovered any new tools that would improve these processes? Are you pursuing any of them?

ADaMS Roadmap

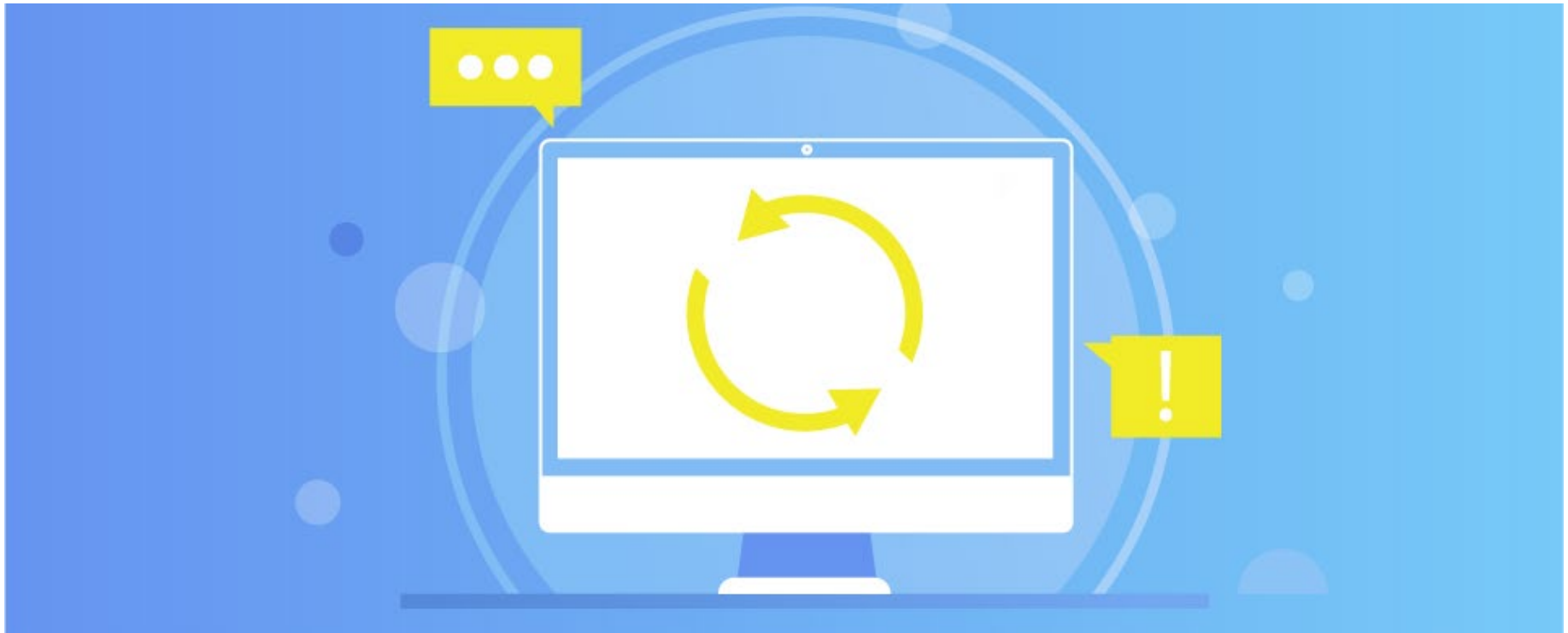
- Reporting market controls over SCADA improves situational awareness for controllers by allowing integration into a single control system.
- Enable use of SCADA-based automation to improve response time and accuracy for dispatches.
- Reduced opportunities for non-compliance with ISO rules.
- *Any other benefits?*
- *How about web APIs instead of or in addition to SCADA?*

How can AESO's software solutions evolve to better serve the business functions that currently use ADaMS?

- Does ADaMS constrain your business processes? For example, does it force manual steps that could be automated?
- Are there any other tools involved in these processes? How do they interact with output from ADaMS, if at all?
- What factors influence change in these processes? How are those likely to change in the future?
- Are there any urgent challenges to the efficiency of these processes? Do you foresee any necessary changes?
- Have you discovered any new tools that would improve these processes? Are you pursuing any of them?

Session Close

- September User Group Session



- **Twitter:** @theAESO
- **Email:** MarketTools@aeso.ca for any inquiries
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Thank you