Networks Advisory Group
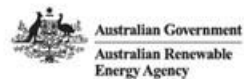## Meeting 9 Briefing Formation

Wednesday 22 September 2021 | 10:00am – 11:30pm AEST

Agenda

Item	Lead	Timing
Welcome, Acknowledgement of Country and Safety Moment	John Theunissen	5 min
Project status, reflections from Meeting 8, and the focus of Meeting 9	John Theunissen	5 min
Introduction to Opus One Solutions, highlighting the DERMS/DSO work being done within EDGE and a work-in-progress demo of the Operating Envelope user interface, followed by Q&A	Opus One Solutions - Cedric Tai & team	50 min
Introduction to our EDGE Cost Benefit Assessment partner and an overview of the proposed approach and methodology, followed by Q&A	Deloitte Access Economics & Energeia - Alex Oeser, - Ezra Beeman & team	30 min
Review/Wrap up and the look ahead	John Theunissen	

Acknowledgment of Country

We acknowledge the Traditional Owners of country throughout Australia and recognise their continuing connection to land, waters and culture.

We pay our respects to their Elders past, present and emerging.

Safety moment

EDGE

Communities where people know each other are reported to have better mental health, are safer for children, & are more resilient when disasters strike.

#ConnectedPeopleConnectCommunities

R U OK?
A conversation could change a life.

Safety topic

Neighbourly Awareness

really
Are they OK?
Ask them today

neighbour day
Last Sunday in March

Knowing your neighbours & your broader community has never been more important.

Project Status and reflections from Meeting 8

Project Status

Current position

- Progressing key activities along the path to Milestone 2: End-to-end data/information transfer *(calculate and publish OEs from the DERMS, receive and process in the EDGE data exchange hub, send OEs to Aggregator, Aggregator produces a BOFFER, sends to EDGE platform, AEMO issues wholesale energy market dispatch)*

- Project Research Plan development almost complete

- Detailed design activities and M2 test plan development under way

Key upcoming activities

- Preparation of knowledge sharing interim project report content

- Alignment of data requirements for Research Plan, CBA and other project deliverables

- Preparation for Milestone 2 deliverables
  (October 2021)

Reflections/summarised outputs from Meeting 8

Reflections & Takeaways

- *The Energy Web Foundation solution for EDGE attracted strong interest from NAG members*

- *Areas that potentially need further exploration:*

  - *Application of the message bus*

  - *Open-source based data exchange*

  - *Digital Identities (DIDs)*

  - *Message communication – cadence, latency, protocols, payloads etc.*

- *The updated draft Research Plan had been distributed and the DNSP stakeholder feedback received was highly valued*

- *Data exchange security and cyber security remains a key area of consideration for NAG members*

Introduction to Opus One Solutions, highlighting the DERMS/DSO work being done within EDGE and a work-in-progress demo of the Operating Envelope user interface, followed by Q&A

Material to be provided separately by Opus One Solutions on the day or before

Introduction to our EDGE Cost Benefit Assessment partner and an overview of the proposed approach and methodology, followed by Q&A

Material to be provided separately by Deloitte/Energeia on the day or before

The look ahead

Advisory Group focus

Q1 2021	Q2 2021	Q3 2021	Q4 2021	2022/3

Operating envelope allocation methods
What to test – coordination with other projects/work

Operating envelope calculation (engine)
Context of leveraging AMI data

Wholesale energy market services operating models
Aligning DSO functions to operating model designs

Local services operating model/s
Treatment of network services as well as local services that are energy market related (local procure/supply transactions to alleviate local constraints)

Local services definition and functionality
- *Services/scenarios to be considered*
- *Forecasting of need*
- *Valuing the service (setting the reserve price)*
- *Service performance evaluation/validation*

Consideration of Dynamic Network Pricing
- *Context*
- *Objectives*
- *Principles*
- *Design*
- *Measurement*

Research Plan input
- *What are the key questions to answer from a DNSP perspective?*
- *How might one go about designing test plans to provide the evidence that will be needed?*

Exposure to vendor/system components within EDGE
- *Data identity and data exchange*
- *Market logic/intelligence*
- *DSO functionality*

Flexible customer connection contracts for active DER
How to structure and establish flexibility into customer connection contracts for DER that is actively managed

Cost-Benefit Analysis
CBA scope and how the various project activities align to deliver the Research Plan and CBA outcomes

Customer insights study
Overview Deakin scope of work Understand how customers are engaging and responding

DER-Network-Market optimisation
How to achieve optimal outcomes from network-side activities that influence DER access and market conditions (dynamic voltage management, network reconfiguration etc.)

Check-in on end-to-end design within EDGE
Revisit pertinent aspects within the EDGE detailed design to enhance the value of the trial outcomes

Option analysis and cost-benefit assessment
- *Baseline market outcomes before market + DSO*
- *Incremental market outcomes under Dynamic OE*
- *Incremental market outcomes with wholesale integration (no local market)*
- *As above with whole integration + local market (single/multiple aggregators)*

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