

Classification	DER Roadmap Integration Activities	Priority	2021 Q2			2021 Q3			2021 Q4			2022 Q1		
		Rank	A	M	J	J	Α	S	0	N	D	J	F	M
Stakeholder Engagement	<b>DER Progress Updates</b> Share progress on activities, other interrelated initiatives and address stakeholder questions.				E			E			E			Е
	Data													
	Develop a platform to receive standardized DER static data	М	Complete											
	Assess and implement minimum SCADA data trigger level	Н	1											
	Forecasting													
	Forecast DER by technology type	Н	Complete											
	Forecast DER gross generation and gross load separately (AESO internal activity)	L	С									I		
Reliability	Geographical forecast of DER sizes at the POD level (AESO internal activity)	L	Scheduled for 2023											
	Near term/real time forecast to incorporate meteorological data into DER and variable generation (AESO internal activity)	М												
	Modelling													
	Energy storage model	Н	Progress will be aligned with <u>AESO Energy Storage Roadmap Schedule</u> - see Phase 2 Long-term Implementation activities											
	DER model directly connected at 25 kV bus	Н												
	Assess feeder impedance to be included into DER models	Н	I											
	Coordinated Planning													



	Enhance Transmission planning process in coordination with Transmission/Distribution (Tx/Dx) coordinated planning framework	Н	С						I					
	Coordinated Operation													
	Incorporate DER into net demand forecasting process (AESO internal activity)	Н		<b>!</b>	<b>!</b>			I	1		<b>!</b>	<b>!</b>		ı
	Enhance real-time operator's supply/demand requirements and displays (AESO internal activity)	М										С		
	Determine DER Trigger on Significant Outage Coordination	Н		С						I				
	Technical Interconnection Requirement													
	Voltage and frequency ride-through requirement	Н						•						
	Transmission protection and control coordination – Effective Grounding	М	С				1							
	Islanding and anti-islanding coordination	М							I					
	Restoration coordination	L								С			ı	
	Commissioning and testing requirements	L							С				ı	
	Cybersecurity requirements	L		С									1	
Market Efficiency	Market Participation and Aggregation  Evaluate and assess options that encourage DER market participation	М	Progress will be aligned with AESO Market Related Initiative Timeline											
Tariff	Tariff  Evolve tariff framework that drives effective long-term price signals that encourage efficient use of the Tx and Dx system	М	Progress will be aligned with Bulk and Regional Tariff Design											

DER Roadmap Implementation Phases: Analysis (A), Conception (C), Development (D), Regulatory (R) Implementation (I), Engagement (E) DER Roadmap Priority Rank: H= High Priority, M= Medium Priority, L= Low Priority

The completed phases and planned phases outside of this 12-month period are not shown.