

Topic Area 1: EDAM Market Optimization

Whether and how an EDAM market optimization should factor in GHG costs in arriving at an efficient dispatch while balancing state policy objectives and not inappropriately impacting resources in non-GHG zones.

Issue	Key Market Design Question	Detailed Market Design Question(s)
Group 1		
Accounting: Area Identify GHG Compliance Area(s)	Are entities aligned that state boundaries are the GHG compliance area?	Decide: What should the GHG compliance area be? Options include: Geographic State GHG compliance area Balancing Authority Area (BAA) Load Serving Entity International considerations Topics: Boundaries and potential need for alignment of transmission boundary concepts developed in Transmission working group Implications for BAA spanning multiple states Impacts to EIM Rules that need to be established for renewable resource dispatch in/out of a GHG zone
Accounting: Availability: Eligibility to serve demand in the GHG compliance area	What rules for availability need to be developed for EDAM for GHG?	Decide: What will availability to serve load in a GHG compliance area look like? Options include: - Optional - Never - Always - Daily - Hourly Topics: - Determining availability



What are we optimizing?	Which costs should be included in the market optimization?	 Resource schedules that could inform capacity available to support transfers with a GHG compliance area Are we optimizing: Carbon prices? RPS/CES? Types 			
		 Carbon pricing (including how to consider GHG costs reflected in natural gas prices) Clean energy/renewable Transactions 			
		- Generator emissions covered - Delivered emissions covered			
Group 2 – Core design com	Group 2 – Core design components				
Accounting: Emissions rate attribution: Associating resources to loads in the EDAM	How should GHG emission rate attribution be determined?	Decide: How should emissions rates be attributed? Options include: - Resource specific - Unspecified Transactions/jurisdictions - Generator emissions covered - Delivered emissions covered Topics: - Determining emissions rate attribution with different participation options: o Imports o Pseudo-ties o Wheels though GHG compliance area o Virtual bids o Energy storage			
Costs: Compliance: Bidding to serve demand in the GHG compliance area	How will GHG costs be reflected to EDAM within, between, and outside a GHG zone?	Topics: - How should GHG costs be calculated? - How should GHG costs be reflected? - How should GHG costs be reflected across GHG compliance areas?			



		 How are reference level (DEBs and proxy costs) calculated? And how are they used in market power mitigation?
Costs: Settlements	How are GHG costs settled?	Topic: What implications of GHG settlement must be incorporated into EDAM design?
Costs: Compliance: Payment of GHG compliance costs	How will GHG compliance costs be recovered?	Topic: Should GHG compliance costs be recovered by a Scheduling Coordinator at a resource specific or marginal resource specific level?
Group 3		
Market Efficiency: EIM: Roll over to Real Time (EIM)	What GHG bid and settlement implications arise from DA vs. RT deviation?	Topics: - What allowable changes to either GHG quantity or bid price between DA and RT should be allowed? - What are the associated settlement impacts to any variation allowed?
Accounting: Market Results	How will EDAM provide transparency to the emissions intensity and market results to market participants?	Topic: - What type of information and at what granularity will GHG information be reported? - Settlements - Alignment with state reporting



Topic Area 2: Carbon intensity reporting

Whether and how information about the carbon intensity of energy transacted through the CAISO's market is affected by the implementation of an EDAM (e.g. RPS, CES).

Issue	Key Market Design Question	Detailed Market Design Question(s)
Renewable Energy Certificates (RECs)	What rules need to be developed for REC support?	 Topics: How can EDAM design best interact with current Renewable Portfolio Standards (RPS) and RECs accounting practices? RPS Non-RPS What is the interplay of e-Tags used to track RECs vs. the role of e-Tags in EDAM and what is an appropriate interplay? What REC impacts may there be when it comes to EDAM intertie bidding and scheduling points?
Accounting: Market Results	How will EDAM provide transparency to the emissions intensity and market results to market participants?	Topic: - What type of information and at what granularity will GHG information be reported? - Settlements - Alignment with state reporting
Costs: Bidding to serve demand in the GHG compliance area	How will GHG costs be reflected to EDAM within, between, and outside a GHG zone?	Topics: - How should RPS costs be calculated? - How should RPS costs be reflected? - How should RPS costs be reflected across compliance areas? - How are reference level (DEBs and proxy costs) calculated? And how are they used in market power mitigation?