

Alternative Fuels

CAC Workgroup

Meeting #5

July 27, 2022



Agenda

Housekeeping

Qualitative Assessment of Emissions from Alternative Fuels

Policy considerations

Discussion: Assessment Criteria

Qualitative Assessment of Emissions

Discuss draft assessment tool

Draft Assessment Criteria

Simplified Threshold Assessment Criteria*	(Yes/No)	More complex Assessment Criteria	Notes (suggested changes/additions to Draft Scoping Plan language)
Does this use existing fossil fuel infrastructure?		If so, how could this use affect safety, reliability, resilience, and affordability of the gas system?	
As this sector transitions to electrification, can this reduce GHG emissions/fossil fuel use during the equipment's remaining useful life?		Does this allow for the use of existing end-user appliances without significant modifications?	
		Does the potential scale relative to the specific need(s)/use(s) being addressed make this worthwhile?	
Does this address electric system Transmission & Distribution capacity constraints?		Could using this fuel (in this application) provide more electric system capacity for the least-cost electrification applications?	
		Could using this fuel (in this application) mitigate peak load issues?	
Would this reduce GHG emissions from reference case?		What is the likely timeframe this fuel and use will be commercially available at a scale needed to achieve significant GHG emissions reductions?	
		What is the scale of the GHG emission reduction in the context of the specific need(s)/use(s) being addressed?	
		Can this build markets in the Agriculture and Forestry sectors that support increasing carbon sequestration in New York's land and forests?	
Would this reduce the intensity, or volume of co-pollutants from reference case?		Based on IA modelling, will this lead to the use of more fossil fuel than other future scenarios?	
		What is the scale of the co-pollutant reduction in the context of the specific need(s)/use(s) being addressed?	

Draft Assessment Criteria

Simplified Threshold Assessment Criteria*	(Yes/No)	More complex Assessment Criteria	Notes (suggested changes/additions to Draft Scoping Plan language)
<p>Could this reduce the use of fossil fuels, emissions of GHGs, and/or the intensity or volume co-pollutants in DACs?</p>		<p>Is this a priority or preference for DACs or CJWG?</p>	
		<p>How can this be structured to assure the greatest potential for emissions reductions and co-pollutant reductions in DACs?</p>	
		<p>Can it serve to prioritize emissions reductions (via electrification, alternative fuels, etc.) in DACs?</p>	
<p>Does this address a challenging-to-electrify or a strategic use?</p>		<p>Will this benefit in-state economic development?</p>	
		<p>Does this strategic use address a cost barrier for this application?</p>	
		<p>Does this help us use our zero emission electricity in the most efficient manner?</p>	
		<p>Can this reduce GHG emissions/fossil fuel use while technology advancement and cost declines bring more alternatives to commercialization?</p>	
<p>Does this address the need for ~10% dispatchable zero-emissions generating capacity?</p>		<p>Does it help reduce/avoid costly electric distribution system upgrades, mitigate peak load, reduce cost to achieve emissions reductions, or reduce cost of retrofits?</p>	
<p>Could this reduce the use of fossil fuels, emissions of GHGs, and/or the intensity or volume co-pollutants in DACs?</p>		<p>Is this a priority or preference for DACs or CJWG?</p>	
		<p>How can this be structured to assure the greatest potential for emissions reductions and co-pollutant reductions in DACs?</p>	

Next Steps