

UM2225 Investigation into Clean Energy Plans

Presentation and Discussion of
Staff's Straw Proposals for
Analytical Improvements

September 7, 2022

Logistics

Thank you for joining us today!

- For discussion and comments, use "Raise Hand" button to get in the queue; if joined by phone press *9
- Include your affiliation in your Zoom name
- Say your name and affiliation before speaking
- Engage with the main dialogue
- Move around and take care of yourself as needed



Agenda & Objectives for today

Objectives

- Ø Review and discuss Staff's Straw Proposals on Analytical Improvements, including planning for decarbonization, treatment of fossil fuel resources, and additional data transparency topics.
- Ø Review UM 2225 to date to build a common understanding of what has been developed throughout the docket and next steps.

Agenda

- [15 min] Welcome & Check-In
- [50 min] Proposal on Decarbonization Planning
- [5 min] Break
- [25 min] Proposal on Treatment of Fossil Fuel Resources
- [35 min] Proposal on Additional Data Transparency
- [35 min] Docket Review & Next Steps

Today's meeting agreements

Be present in the meetings you attend. Structure your spaces and screens to eliminate distractions and support your ability to focus on those you are with virtually. Keep your camera on if possible.

Practice the equity of time. If you are speaking a lot, consider asking someone else's thoughts. If you haven't spoken, find a way to contribute. We'll be deliberate about this in the way that we call on individuals – so for example, the facilitators may not call on you in the order you raised your hand or select your question from the chat in the order you asked your question so that we can balance who gets to ask their questions.

Treat others with respect. Consider the impacts of your words and actions on others. Examine and critique systems, not people. . . . What someone says they experienced is what they experienced. No singular experience is representative of everyone's experience.

Use a bike rack when needed. Strive to stay on topic and use a bike rack to identify topics to come back to when helpful. As we get further into the docket, we may need to use a bike rack for foundational technical or policy questions that we don't have the time to answer in this workshop.

Come ready to learn. Question your assumptions. Make sure you understand others' perspectives so you can contribute to the discussion.



Check-In

When was a time when specificity helped you to better do your job or understand what someone was communicating to you? What made it helpful?

1.

Individually journal on your response.

2.

Share your response in small breakouts.

Staff's Straw Proposals on Planning for Decarbonization Targets, Treatment of Fossil Fuel Resources, and Additional Data Transparency Topics

Chapter 1: Planning for Decarb Targets

- Topic #1: Clean Energy tech scenarios
- Topic #2: Demand scenarios
- Topic #3: Regional Development scenarios
- Topic #4: GHG emissions constrains in IRP modeling
- Topic #5: Key long term decarb planning questions

Chapter 2: Treatment of Fossil Fuel Resources

- Topic #1: Fossil fuel retirements and conversions
- Topic #2: Fossil fuel operational changes

Chapter 3: Additional Data Transparency Straw Proposal

- Topic #1: GHG emissions
- Topic #2: Renewable Energy Credits
- Topic #3: Fossil fuel resource operations
- Topic #4: Data standardization and accessibility

GHG UK 'DfcdcgU' 'cb' Decarbonization Planning

Review: Decarbonization Modeling & GHG Emissions Accounting Workshop (July 27)

Key Scenario Analysis Questions

Are these the right questions? Are we missing any?

These are good / right questions

I like the critical questions and believe they should be specifically added to the IRP guidelines as required outputs.

These look good.

Mixes of EE and
★ High Penetration DG - esp as alt's to TX costs & risks



Cost of Pain = Outage Cost flowing through when bad things happen (what is capacity worth to prevent?)

Suggest scenario approach considers differing needs for pre-2030 versus 2040. For example, 'forks in the road' is mostly applicable to post-2030 outcomes.

Will Staff recommend that the OPUC consider the difficulties that the three presenters addressed during the meeting today: specifically the high costs and overbuild with the last mile towards achieving a 100% decarbonized (the last 5-10%)

What MUST we do in the near term, not just low regrets, but necessary actions

What are the consequences for failure of utility to meet the target

How should scenarios change or be required re: transmission schedules and costs?

Are there specific sub-questions that we should be assessing on these topics?

Under critical barriers, ★ given that transmission has a 10+ year lead time, we should probably highlight potential transmission needs

Forks in the road - when will we analyze the alternatives if transmission is not available? (e.g., high penetration DERs?)

Realism about improbability of BPA ever joining a RTO.

with respect to the costs and risks regret - specify the costs and risks to rate payers - the cost of pain for ★★ LOLEs



For high regrets: Any increased infrastructure for natural gas, especially if it can't handle pure hydrogen

