Notes from June 11 Multi Material Flexible Packaging Collaborative call

- **Welcome and industry updates**
    - New CEFLEX [HYPERLINK "https://ceflex.eu/guidelines/" \h]
    - $31.7 million [HYPERLINK "https://www.governor.virginia.gov/newsroom/all-releases/2020/june/headline-857143-en.html" \h] in waste plastics facility/manufacturing operation in VA
    - GAIA report released: [HYPERLINK "https://www.no-burn.org/reports/" \h] - critical of chemical recycling as economical or environmental solution.
        - Sri from PepsiCo agrees with longer term timeline needed, as stated in the report;
        - Chris from Toraytpa - We need to take a holistic look at the pros and cons. The alternative of "no chemical recycling" is to keep using fossil fuels. We need to be clear on the objectives. Be clear on objectives and downsides and look at long term. Disappointed on the report coming out so harshly against it.
        - Rob Flores- GAIA has always been anti-incineration. Even if the LCA impact is higher for chemical recycling, it still has potential. Would like to let it scale and then evaluate again at that phase.
        - Tristanne notes this was not an LCA or an original analysis in the study, it was a literature review of older studies.
        - Rachel from Mars- The report is not surprising. We need to think holistically - chemical recycling is one of many different solutions - also re design, reuse, chemical recycling is one of multiple levels. Not a silver bullet.
        - Marcu from Happy Family Brands- It is also not as simple as just moving to different substrates - have to consider those tradeoffs as well.
        - Sego from Seattle Public Utilities - It will be important to understand the validity of these concerns the report raises so we can address them clearly in the future.
            - Action item: Tristanne add the points from report to 'negatives we should address' list of points - i.e. toxins, emissions
        - Rob from Berry Global- Chemical recycling is in its infancy - we don't have the data yet to make sweeping judgements.
        - Dan from Printpack- The data not being out there was a big conclusion of this report. The problem that CR is dealing with (non recyclables) is important, we need to focus on where CR shines.
        - Graham from CEFLEX - Real data is not out there but they still

draw conclusions.

- **Follow-up discussion from virtual Chemical Recycling Workshop**
    - Tristanne - Understood from the ACC presentation and our conversation last time that "Advanced Recycling" is more to appease NGOs/make it less complex for the general public. In industry, we use different terms. Can we agree to keep saying 'chemical recycling' in this group and get more granular as needed, but understand this is not the term to use with the general public?
    - Sego - not "appease" but maybe sound more palatable.
    - Sri - Need to distinguish in industry differences between polymer technology and back to monomer technology.
    - Chris -suggests aligning on a name. We should look at the Dow model - lingo, we can align with that approach.
        - Action item - Ask Ashley to present on this next time.
    - Tristanne - Last time we aligned on how chemical and mechanical are both 'recycling' - we would definitely call polymer or monomer outputs recycling, but what about other outputs like waxes? Fuels are not recycling.
    - Rob - We don't want to fight for chemical recycling as input for fuels. We want to encourage polymers. If other outputs happen and help to establish end markets, great, but we should not fight for them.
    - Chris - Conversion to fuels using these technologies by forest product companies has been happening in the EU for a long time - just now need to twist a bit and make it a polymer. Efficiencies and logistics have all stayed the same. The word "fuel" is confusing - suggests you will burn it. Selling waxes might be a distraction.
    - Sri - Think about mechanical recycling for PET - a bottle can be made into a carpet and this is still called recycling, why can't we take the same philosophy?
    - Victor from EPI - Need to think about how these different outputs fit into emerging regulations, i.e. the new plastic tax in the UK
    - Graham - industry may need these terms, but we should depoliticize for consumers.
    - Rachel - Likes this perspective. How do we say something stays in the loop. Tracking of materials will tell us if it's fuel/wax/packaging.
    - Tristanne - RMS is doing exactly this at GreenBlue.

- Phillip from Winpak - Agrees with Chris and others - need to state the problem we are trying to solve for. We are pushing down this path because of gaps with existing system. Need other technologies as well to advance the circular economy.
- Tristanne - shares our draft waste hierarchy with chemical recycling. One thing we started discussing is if this is the right framework for us to use to communicate out ideas.
- Sandi from APR - we need to use words the way they are meant to be used. The EPA hierarchy is 1990s. Circular framework is what we are working with these days and can explain using flow diagrams easier. There are ways to illustrate values of outputs going into different inputs.
- Bill from Printpack - Likes more of a focus on circularity. We use the hierarchy to discuss tradeoffs with CPGS but like circularity as key term
- Victor - We need to know what regulators will accept. Definition under FTC
- Sri - We should list all the pros and cons of different end of life options versus say this is better than other and let people decide based on info provided.
- Sego - Likes the hierarchy and thinks out draft is good - could label it "interim" or "for consideration" - and see how this could be side by side with circularity.
- Victor - notes that if you put word "advanced" next to it, it should not appear lower than mechanical recycling in the waste hierarchy
- Sri - agreed and shows you can't call it Advanced Recycling.
- Rob - Like changing to something like "plastics to feedstock" versus fuel - fuel versus feedstock are different options.

Next steps:

- Share Dow feedstock recycling framework
- Pair waste hierarchy we drafted with conversation on circularity - draft language for our website
- List out positives and the specific problem we are trying to solve for with CR and also address negatives in the narrative. Start to draft website language.
- Invite presenters from BASF/Sabic/ISCCC to present on tracking and certification happening in the EU.