

To: Chris Hoagland, MDE Climate Change Program Manager
From: Tom Ballentine, V.P. for Policy, NAIOP Maryland
Date: September 17, 2020
Subject: Work Plan / Report Recommendations

1. Commission a least-cost or optimization model run of 2050 GHG reduction scenarios that answers the following questions:
 - a. What decarbonization strategies are most likely to be successful given Maryland's weather, consumer and societal economics current and future energy assets and policy considerations?
 - b. How much must electricity sector emissions be reduced by 2050?
 - c. How much new electric load will be generated by electrification of transportation and other sectors?
 - d. What is the optimal electricity energy mix meet Maryland's GHG goals while maintaining reliability and affordability?
 - e. What role can emerging technologies such as carbon capture and direct removal strategies play?
 - f. Consider a joint model with adjacent or Mid Atlantic / PJM states
2. Adopt World Resources Institute accounting and reporting standard for greenhouse gas reduction goals. [Copy Linked Here](#)
3. Commission a study of the market potential and consumer economics of renewable thermal / beneficial electrification examining incremental first costs, payback periods, appropriate incentive levels and source GHG savings associated with oil, propane, electric and natural gas options.
4. Create open source on-line access point for the E3 Maryland Pathways model like the Chesapeake Assessment Scenario Tool (CAST) that provides model inputs and allows the public do scenario planning.
5. Consult with Maryland Public Service Commission on a methodology or series of alternative methods to evaluate source emissions and electric loads associated with building electrification.
6. Generate the capability for MWG members to access impartial, qualified technical analysis about the feasibility of emerging technologies and to evaluate the economic and environmental outcomes of policy recommendations.
7. Create a sequencing plan that prioritizes the order of policy implementation.
8. Create a cloud-based literature library related to issues on the MWG workplan.
9. Establish MWG policy discouraging assigning issues to subgroups and utilizing third party facilitators when subgroups are formed.