

The Application of Allam Cycle Technology So There Would Not Be Atmospheric Carbon Dioxide Emissions From the Campbell Plant

I am happy to announce the addition of Dr. Anthony J Senagore, MD, MS, MBA to the Citizens Consulting Group team to stop the closure of the Campbell plant by municipalization to a county electric cooperative.¹ Dr. Senagore has introduced me to the option of applying Allam Cycle technology to the Campbell plant. This technology would allow carbon capture by use of the Allam Cycle at Campbell.

Use of the Allam Cycle for natural gas has received most of the attention, such as described at: <https://www.aiche.org/resources/publications/cep/2021/december/carbon-capture-allam-power-cycle-comparative-analysis> and <https://energypost.eu/allam-cycle-carbon-capture-gas-plants-11-more-efficient-all-co2-captured/> . But the same principles can be applied to coal generating plants, such as described at <https://www.sciencedirect.com/science/article/abs/pii/S0360544223000282> and <https://www.sciencedirect.com/science/article/abs/pii/S0360544220325780> .

I (Joseph Parnell McCarter), as coordinator of this project, do not personally believe atmospheric carbon dioxide is a pollutant, as well argued by Dr. William Happer of my alma mater: <https://www.youtube.com/watch?v=tXJ7UZjFDHU> . But I realize many people believe differently, and Citizens Consulting Group is fully open to the possibility of use of Allam Cycle technology at the Campbell plant if it will keep the State of Michigan satisfied that the plant should remain open and allow its title transfer to the county electric cooperative. “Follow peace with all men, and holiness, without which no man shall see the Lord.” (Hebrews 12:14)

Atmospheric carbon dioxide emissions should not be an excuse for the forced closure and demolition by the State of Michigan of the Campbell plant in May 2025, nor should it be an excuse for stopping the Campbell plant’s municipalization and transfer to the county electric cooperative. If Consumer’s Energy and the State of Michigan should move forward with closure and demolition given the facts of the case, on the unwarranted assumption that the Campbell plant necessarily emits carbon dioxide into the atmosphere, Citizens Consulting Group plans to pursue all legal means, including a lawsuit if necessary, to try to stop them. The coal plant on the other side of Michigan has been given until 2032 for closure,² and it is discriminatory and unfair to force closure in West Michigan any sooner. West Michigan should be given time to get our coal plant compliant with State goals like East Michigan.³

¹ This municipalization is made possible by Ottawa County becoming a home rule charter county.

² <https://planetdetroit.org/2023/07/dte-agrees-to-shut-down-coal-fired-monroe-plant-in-2032-three-years-ahead-of-schedule/>

³ Who knows but by 2032-2033 the world may even come to its senses and realize that atmospheric carbon dioxide is not a pollutant? But even if not, the Allam Cycle provides one means to get the plant compliant, and others may arise as well.