

SUNY Clean Energy Master Plan Outcomes

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Abstract:

SUNY is developing Clean Energy Master Plans (CEMPs) for low carbon and renewable energy production technologies to align with New York State's Climate Act. Ramboll developed 11 of the CEMPs, which included assessing energy efficiency; heating, cooling and domestic hot water systems; and distribution networks. Key metrics from over 50 decarbonization scenarios will provide comparative analysis of 4th and 5th generation district energy systems, and investment indicators for \$/MT CO₂e reduced, \$/GSF, technology types (heat pumps, piping), building upgrades, and carbon pricing. SUNY Cortland will offer some specific examples on how the CEMP has affected current building renovation and planning efforts to align with and prepare for Energy Master Plan implementation.

Presenter Biography:

Dr. Kingsley's 32 years of engineering experience includes two graduate degrees in mechanical engineering. Areas of expertise include most aspects of energy efficiency, including energy analysis and auditing, energy simulation modeling, energy master planning, decarbonization, commissioning, measurement and verification (M&V), and technology assessment.

Matt Brubaker is an Architect and Energy Manager with 24-years of experience in building systems design and energy efficiency planning and implementation. Matt has served as the Campus Energy Manager at SUNY Cortland for nine years. Most recently, Matt has been instrumental in leading SUNY Cortland's Energy Master Plan efforts towards a goal of 85% reduction in CO₂ emissions by 2033.

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