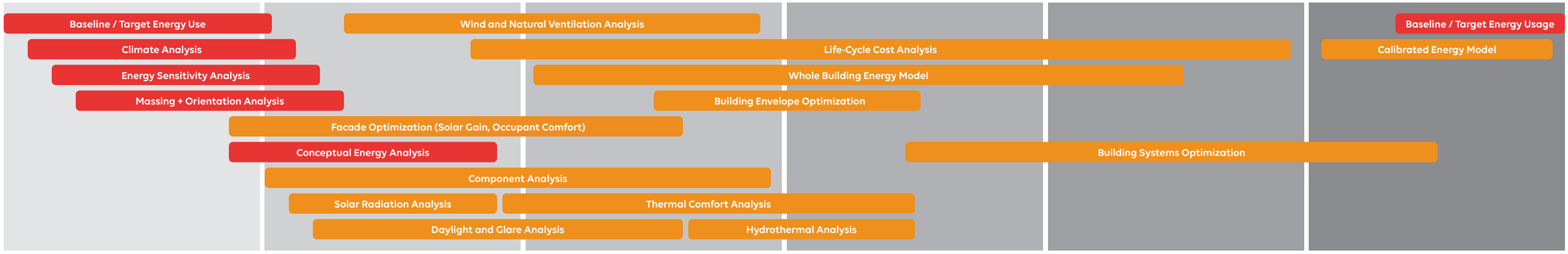
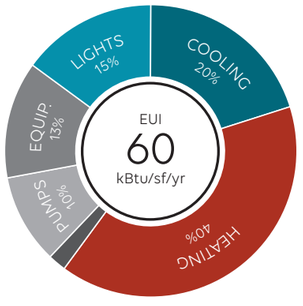
BUILDING PERFORMANCE ANALYSIS

THROUGHOUT THE DESIGN PROCESS AND BEYOND

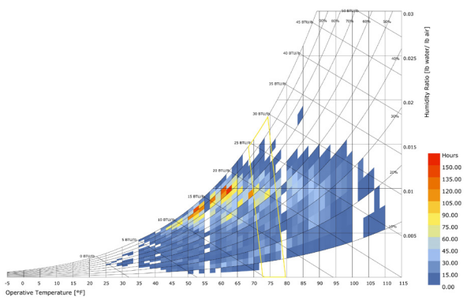
WHY BUILDING PERFORMANCE ANALYSIS?
By leveraging HGA's in-house experts for pursuits and projects, we can feel confident pursuing, winning, and designing projects with a wide range of sustainability goals. Building simulation and analysis workflows, when completed at the appropriate time in the project, inform the design team by creating a direct feedback loop between design decisions and their impact on sustainability goals. The below timeline identifies when each analysis or workflow should ideally be performed. Workflows in red establish a baseline to inform design, while workflows in orange can be used as needed to optimize and refine both design and building performance.

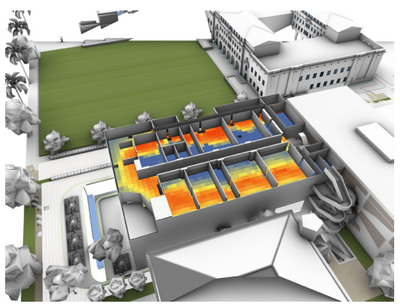
SUSTAINABLE DESIGN IS OUR FUTURE
Our vision is to distinguish HGA as a leading sustainable design firm. Our primary differentiator is in our DNA. Our legacy as a multidisciplinary firm has forged a network of connected expertise that allows us to be a diverse, cohesive catalyst for change. From building performance to lowering carbon emissions, improving human health to social and environmental justice, we have the potential to make positive, even transformational, impact for our clients, our industry, and our communities.

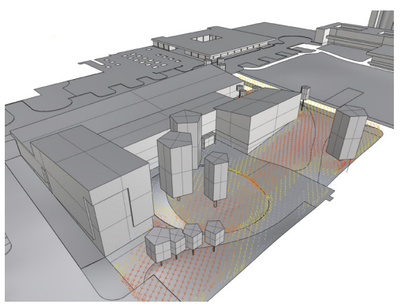


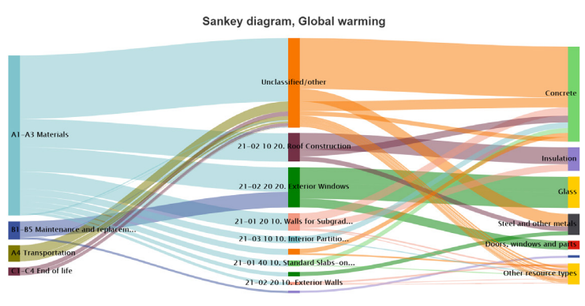


TARGET ENERGY USE


CLIMATE VISUALIZATION


DAYLIGHTING ANALYSIS

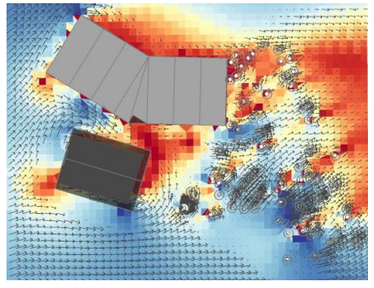

WIND COMFORT ANALYSIS



EMBODIED CARBON ANALYSIS

FOR MORE INFORMATION OR TO LEVERAGE SUSTAINABILITY EXPERTISE ON YOUR PROJECTS, PLEASE CONTACT:
Peter Dahl, Ph.D., LEED AP BD+C & O+M, CEM | Principal – Energy and Infrastructure Group
612.859.0898 | PDahl@hga.com

HGA



WIND COMFORT ANALYSIS