Scranton, Pennsylvania was a coal-mining town where young Charles saw toxic waste from industry flow into streams and rivers. Contrasted with nearby beautiful open farm areas, Charles was disturbed by the sludge and coal-mining extracts he saw in the air. When he served in the Vietnam War, despite the devastation he witnessed firsthand, he was astounded by the Vietnamese’s abilities to recycle. He began his education with a bachelor’s degree in general engineering, then obtained a Master of Nuclear Engineering and a Doctor of Mechanical Engineering.

A pioneer in sustainable thought leadership, in the early 1990s Charles helped to form the CIB (International Council for Building) Working Commission W115 on Materials Stewardship. He worked for an engineering and architecture design firm, and co-founded the Cross Creek Initiative, a non-profit industry/university joint venture seeking to implement sustainability principles into construction. At the University of Florida, Charles serves as Director of Powell Center for Construction and Environment and is the Holland Professor and Center Director of the M.E. Rinker Sr. School of Building Construction.

Charles joined the Green Building Initiative’s Board because he recognized it as a way to affect positive change and it was the first to bring deconstruction to the fore. He is impressed that the Assessment process takes him to the project site and that he can help teams increase their sustainability during the design and construction process. “It’s more free-flowing and real in terms of trying to promote a better environment,” Charles says. “Being an Assessor allows me to discover new technologies and new approaches that I can bring them back to my students and share with other Green Globes teams. It all fits together because I can help everyone think holistically about green building.”