The Catskill Project: The Future of Living

Greg Hale, *Principal & Owner*, *Regen Development Company*
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Abstract:

The Catskill Project is a 90-acre community of Passive House designed, carbon-neutral homes, meeting rigorous design standards for exceptional air quality and consistent, comfortable indoor temperature year-round. The homes are airtight, with continuous insulation, triple pane windows, no thermal bridging and ERVs for superior indoor air quality. All homes in the community will be all-electric with onsite solar and storage to ensure their power source is clean. In addition to zeroing out operational carbon through the community's design process, the TCP team has prioritized minimizing the community's embodied carbon from the very beginning. The team will share their carbon accounting methodology and various materials selection strategies that they used to reduce TCP's embodied carbon footprint. From the thoughtful selection of ethically sourced building materials and key project partners, to the paper used for marketing collateral, the team is constantly strategizing on the best products to use to reduce embodied carbon. The presenters will also discuss some of the hurdles and pitfalls that they have encountered in their efforts to develop a truly carbon neutral community, including proper sizing of the equipment.

Presenter Biography:

Greg is a principal of The Catskill Project, a single-family residential community in Livingston Manor, NY. The Project incorporates Passive House, all-electric design making it the first carbon neutral single-family community in the region. Greg Hale is also a Senior Advisor for Energy Efficiency Markets & Finance at NYSERDA. Greg led NYSERDA's creation of the Carbon Neutral Buildings Roadmap, a foundational document for the Buildings Chapter of the NY Climate Action Council's Scoping Plan. Greg is focused on developing a comprehensive Financing Strategy to leverage low-cost private sector capital at scale to finance NY's transition to clean and efficient buildings.

Brandon has worked in the HVAC industry for most of his career. He worked for his father during winter and summer breaks while attending college to achieve his Associates of Applied Science in Plumbing and Refrigeration. He then continued to a BS in HVAC Engineering and Energy Management. Brandon has held engineering roles for major industry leaders such as Carrier Corporation, LG Electronics, and an independent manufactures representative firm providing him with in-depth industry knowledge. Certifications: R-410A Safety, Refrigeration and Air Conditioning Training, & Certificate of Technical Mastery in Computer Assisted Drafting and Design (CADD).