

April 2024



Advancing Decarbonization

Realistic Paths in Existing Buildings



Dalkia is committed to decarbonization through modernizing existing buildings HVAC, lighting and controls

Focused on developing and implementing long term net zero plans with large building owners

Combining program management, engineering and onsite installation for turnkey installation projects

Building energy efficiency business unit, onsite generation business unit and chiller service business unit serving New York



Practical Approach

While building use has changed, equipment infrastructure largely remains the same – This will need to change

Complex timelines of compliance, required retrocommissioning, equipment lifetimes

Developing the lowest cost capital plan to meet decarbonization goals requires

Evaluating space changes since initial design and construction

Reharnessing electrical load



Practical Strategy

Efficiency first

Drive down the load

Eliminating steam driven chillers

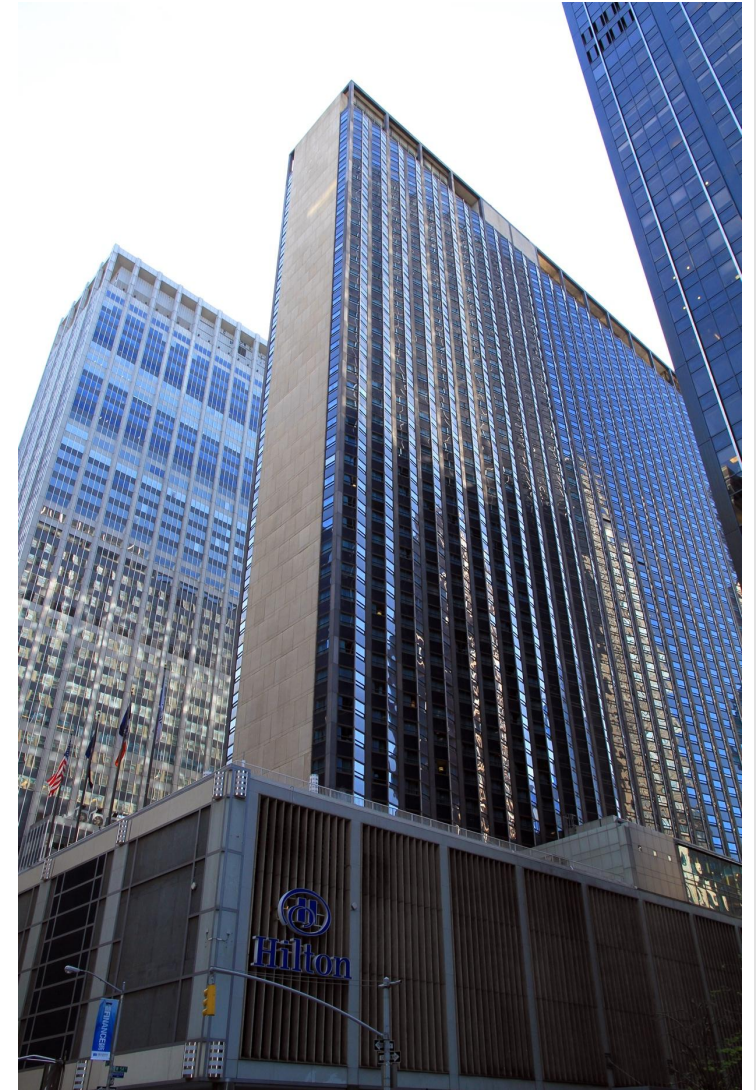
Eliminate simultaneous heating and cooling

Heat recovery

Right size the new equipment

This will lead to purchasing smaller equipment at the lowest cost

Tie decarbonization to building valuation



Accelerating Decarbonization in Existing Buildings

The path to net zero will be difficult as we change the way we heat all buildings, how we cook our meals, the cars we drive, the hot water for showers

Complex planning is required for large buildings

Start with how the building has changed since original design

Wring out the efficiency

Plan for the major CapEx

Evaluate financing and understand impacts to marketing, asset valuation

