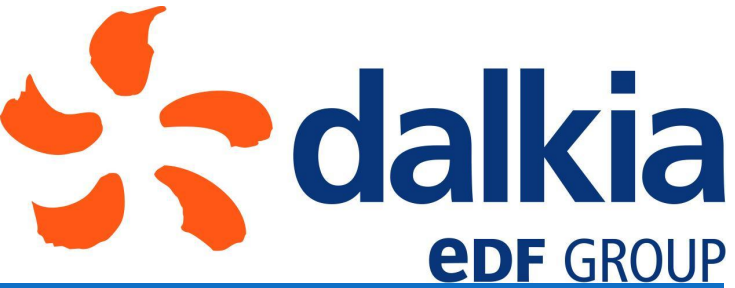


April 2024



Timing and Urgency

How to engage building owners to act today for a 2050 goal




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

National provider of decarbonization for existing buildings

Focused on retrofits of existing buildings for Fortune 500, REITs, private equity, grocery stores

Typically working with building owners and corporations with larger real estate portfolios



A nighttime photograph of a city skyline, likely New York City, with numerous skyscrapers illuminated. The image is overlaid with three horizontal bars of different colors: a blue bar at the top, a dark blue bar in the middle, and a dark blue bar at the bottom. The text is centered within these bars.

2035 and Beyond

2030-2034

2024-2029

Obstacle
Urgency

Annual Carbon Threshold Summary

	2024-2029	2030-2034	2035-2039	2040-2049	2050-
Emissions (tCO _{2e} /yr)	11,928	8,622	8,622	8,622	8,622
Threshold (tCO _{2e} /yr)	15,847	6,183	4,239	2,353	0
Est Penalty (\$/yr)	\$0	\$653,776	\$1,174,710	\$1,679,979	\$2,310,690



Consequences of Delay

Emissions drop is over 60% from 2024-2029 period to 2030-2034

Not achievable with efficiency alone

Will require deep building retrofits

Change how the building is heated and cooled and how energy is distributed

Could require expanding mechanical space, how would that be done if space is fully leased

Complex set of overlapping equipment lifetimes, compliance periods, required retrocommissioning



Urgency

The timing and targets of LL97 have created complacency for the largest buildings.

How do we instill a sense of urgency to act now for the mass market?

Regarding Building Decarbonization, to achieve New York Climate, Health and Equity goals under the CLPA a critical obstacle to collectively overcome in 12 months is instilling urgency.