



## Local Law 97

In 2019, New York City Council passed the Climate Mobilization Act (CMA), committing the City to significantly reducing greenhouse gas emissions in its buildings. Local Law 97 (LL97), the centerpiece of the CMA, requiring buildings over 25,000 square feet to meet emissions limits starting in 2024, with a 40% reduction target by 2030 and carbon neutrality by 2050.

LL97 is the most ambitious building decarbonization strategy worldwide. Starting in 2025, buildings that exceed their emissions limits will face penalties to incentivize energy efficiency, with thresholds decreasing every five years to enforce greater reductions.

### Summary of NineDot's Public Comments

The Department of Buildings released a Time-of-Use (TOU) methodology to calculate a greenhouse gas (GHG) multiplier for utility electricity consumption for each hour of the year. The GHG coefficient is multiplied by the hourly load in kWh to determine the tons of CO<sub>2</sub>e emitted during that hour of electricity consumption.

NineDot Energy applied the GHG-accounting methodology outlined in the DOB's rulemaking adoption to create a model for the hourly TOU GHG coefficients for New York City, Zone J in 2021.

To illustrate GHG benefits, a VDER simulation of a 5 MW / 20 MWh storage asset is analyzed for its LL97 GHG benefits. This typical VDER-focused asset cycles 60 days a year between June and mid-September, operating only on non-holiday weekdays. The asset charges over eight hours, from midnight to 8 am, and discharges from 4 pm to 8 pm. Assuming this operating profile, a 5 MW / 20 MWh energy storage asset would reduce approx. 350 tons of CO<sub>2</sub>e per year inadvertently through its normal operations. The emissions reductions from a standard battery operation would equate to \$93,000 in potential reduced fines if building owners facing penalties subscribe to a NineDot Energy storage asset.

### Resources

- [LL97 NY-BEST presentation](#)
- [Local Law 97 of 2019](#)
- [Local Law 97 Methodology](#)
- [NYC LL97 Calculator](#)
- [Local Law 147 of 2019](#) (*Local Law 97 of 2019 was amended by Local Law 147 of 2019*)
- [NYC DOB Notice of Adoption of Rule](#)

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