## **CRAIN'S LIST CHICAGO'S CARBON FOOTPRINT**

In Chicago, commercial buildings account for up to 90% of the city's power consumption. "Greening" an existing space can help reduce that load and have a big impact on the area's carbon footprint. Retrofits can include new lighting, insulation, and heating and cooling. Each provides ways to save money as well as the environment. How much money? That depends on a number of variables specific to each project and whether it is for office or industrial space. *Crain's* asked Elk Grove Village-based Lime Energy Co. to provide cost estimates based on more than 150 recent client projects and outside studies. While the initial investment in all can be recouped in just a few years, CEO David Asplund says, "A good first step is to measure the existing energy use and calibrate against other similar buildings, or look at changes in consumption over the years to identify problem areas."



## **REDUCING EMISSIONS**

In 2005, **36.2 million metric tons** of greenhouse gases were emitted in Chicago. That's the equivalent of **12.7 tons per year** for each of Chicago's 2.8 million residents. If the city continues on its current path, it will reach **39.3 MMT** by 2020. Chicago's Climate Change Task Force's goal is to cut emissions to **24.2 MMT** by 2020. That's a **15.1 MMT** reduction.

## HOW MUCH IS A MILLION METRIC TONS OF GREENHOUSE GASES?

One metric ton is equivalent to

## driving 2,500 miles, or about one-fifth of a car.

= 1,000 cars 1 million metric tons=185,000 cars

To meet Chicago's goal, its 2.8 million residents need to remove the equivalent of **2.8 million cars** Source: Chicago Climate Change

Task Force