



ENVISION:CHARLOTTE

UNITING FOR A SUSTAINABLE CITY



Shaping our future with fresh inspiration, Envision: Charlotte invites everyone to help create the most environmentally sustainable urban core in the nation. This will be achieved through an unprecedented alliance of major employers, building owners and managers, along with municipal and technology leaders – all working collaboratively to improve energy efficiency in concert with their own individual sustainability efforts.

A first-of-its-kind community sustainability program, Envision: Charlotte will reflect our city's role as an emerging energy capital. In the process, it will enhance our vibrant business hub, making it even more attractive to forward-looking businesses and talent.

Charlotte is uniquely positioned for sustainability with several factors converging including urban living, electric vehicle charging network, walkability, concentration of office space, LEED-certified buildings, and a collaboration of civic and private entities toward a shared vision of sustainability.

Our greatest opportunity remains ahead of us – the built environment comprises 60% of greenhouse gas emissions. These emissions occur collectively and can be addressed systematically, if we work together.

To help measure, manage and reduce energy use and carbon emissions, Envision: Charlotte will utilize innovative technologies through Duke Energy's Smart Energy NowSM program. By graphically conveying near real-time information about energy consumption, these technologies will help change the way we think about energy use and the environment. The goal is to spur sustainable behaviors and reduce energy use in Uptown Charlotte's business community by up to 20% and avoid 220,000 tons of greenhouse gas emissions in five years.

SMART ENERGY NOW PROMISES:

- Advanced energy technology, with a goal to connect 80+% of commercial office space in Uptown to a modernized, digital grid
- Energy information and visibility via interactive digital displays on the first floor of every office building
- Shifts in perception that will lead to adapted energy behavior "norms"
- Reduced operating costs and improved building performance
- The involvement of private and public sector leaders
- World-first collaboration around community-based efficiency and climate solutions.

A cutting-edge initiative making use of advanced technology, Envision: Charlotte promises to engage us all in making a difference to our city and our world.



Digital Display Concept