

ENERGY EFFICIENCY CASE STUDY

Lower Cape TV



THE NEED:

Environmentally friendly, high-performing, and comfortable operational lighting and studio space.

THE SOLUTION:

Retrofitted 62 fixtures and 8 screw-in lamps, and added 8 occupancy sensors. Added 42 studio lights.

\$55,207.56
in incentives

140,231 kWh
annual savings

Lower Cape TV is a non-profit community television station supporting community voice, local news reporting, and access to video storytelling tools and training.

When the organization moved their offices and television studio into a fixer-upper 1980s warehouse in downtown Orleans, an Energy Assessment by local Mass Save® Sponsor Cape Light Compact identified an energy savings opportunity in the flickering, fluorescent lighting. Over 60 fixtures were replaced with LEDs, and occupancy sensors were added.

Older, outdated TV studio lighting has a reputation for being inefficient and emitting excess heat. Cape Light Compact supported the installation of more than 40 new LED studio lights, which are highly efficient and create a more comfortable studio environment.

"We live on a fragile sandbar, and it's important to us to be stewards of the environment. Not only are we using less energy - the lighting made such a difference in the human experience of this building. The color, quality, and lack of flicker make people much more comfortable without consciously noticing it."

-Teresa Martin, Lower Cape TV Executive Director

Lower Cape TV took advantage of Cape Light Compact's non-profit offering for incentives, and the lighting upgrades, in total, are expected to save approximately 140,000 kWh annually, or around \$23,000.*

*Estimated savings calculated based on Cape Light Compact's commercial electricity rate for supply for June – December 2022, 16.91 cents/kWh.

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