

## Storrs Campus LED Lighting Project North and East Residence Halls

### Project Description

UConn’s Energy and Water Conservation Team is implementing a new LED lighting retrofit for the North and East Residence Halls at the Storrs Campus. The following buildings will benefit from this retrofit: Baldwin, Tolland, Litchfield, Fairfield, New Haven, Hurley, Middlesex, Windham, New London, and Hartford Halls, as well as Hicks, Grange, Holcomb, Whitney and Sprague.



The project consists of a new LED replacement or retrofit solution for all existing lighting in dorm rooms, bathrooms, corridors, etc. In addition to the new lights, dorm rooms will also be equipped with vacancy sensors that will automatically shut the light off after no sound/movement for thirty minutes – an effective energy saving solution to lower the University’s carbon footprint.



The large scope of the project yields an annual energy savings of 487,130 kWh and approximately 288 metric tons of greenhouse gas reductions to support UConn’s 2020 Climate Action Plan. This plan is aimed at mitigating the carbon footprint of the University. The CAP established a goal of achieving a carbon neutral main campus by 2050 with several interim milestones. Retrofitting all Storrs interior and exterior lighting with LEDs will contribute nearly 40% of the carbon emissions reductions needed to meet the 2020 interim goal. All work is set to be completed by the time students return to campus in February 2021.

<b>North and East Residence Hall Lighting Project Summary</b>	
Greenhouse Gas Reduction	288 MTeCO <sub>2</sub>
Project Annual Energy Savings	487,130 kWh
Project Annual Cost Savings	\$48,713
Utility Incentives	35%
Net Simple Payback Period	7.48 Years