

A ZERO NET ENERGY BUILDING

FISHERIES & WILDLIFE FIELD HEADQUARTERS



The Division of Fisheries and Wildlife Field Headquarters is the Massachusetts' first public Net-Zero energy office building. This flagship project fulfills years of planning for the Commonwealth's clean energy future. The building demonstrates practical sustainable design and renewable energy systems and support Fish & Game's many educational initiatives, regulatory processes, and public services.

"The building is a testament to Massachusetts leadership in innovation...As the state's first net zero building, this provides an opportunity for the Commonwealth to show others how to design and maintain an environmentally friendly building." -Commissioner Carole Cornelison of DCAMM

"This building will serve as education and office space to better serve the public, and reflects the values and commitment of Governor Patrick, Secretary Bartlett, the Department and the Division of Capital Asset Management to our environmental and clean energy future." -Commissioner Mary Griffin, Dept. of Fish & Game





Built by Columbia Construction Company, the Net-Zero Energy Building was designed by an integrated design team led by Architerra of Boston, with Van Zelm Engineers, Solar Design Associates, Souza True, Towers Golde, and Green International.

The LEED Platinum Net-Zero Energy Building forecasts exceptional energy reduction of 50%. The building is oriented to optimize energy production from the 290 kW rooftop photovoltaic array and minimize heating and cooling energy use. The envelope includes structural insulated panels and triple-glazed windows. The high performance mechanical system includes radiant heating and cooling, direct outside air system, mechanically assisted natural ventilation, energy recovery units, LED lighting and a closed-loop geothermal ground source heat pump system, all of which is tracked with real-time building energy management system.



The three-story 45,000 SF Net-Zero headquarters houses over 120 Mass Wildlife biologists and environmental reviewers, and is shared by the information and education program staff as well. The Office of Fishing and Boating Access maintain over 275 fishing and boating public access facilities statewide. Flexible by design, program areas include offices, classrooms, meeting rooms, a library, GIS laboratory, and a wet lab for research. This Net Zero Energy Building is open to the public year-round and is a venue for environmental education.

