

Loyola University Retiree Association Third Thursday Event

Tour of the School of Environmental Sustainability Facilities
Dr. Nancy Tuchman, Founding Dean

Thursday, November 18, 3:00 PM
Lake Shore Campus

Dr. Tuchman and students will guide us on a tour looking at the Searle Biodiesel Lab, Greenhouse Lab, and Geothermal System.

The School of Environmental Sustainability strives to create solutions to the stress on our planet's natural resources, expanding knowledge in the service of humanity through teaching, conducting research, and sponsoring outreach activities on pressing environmental issues. These issues include global climate change, the food production and distribution system, conserving and recovering biodiversity, restoring ecosystem function, identifying emerging environmental contaminants, and privatizing natural resources.

The Searle Biodiesel Lab The lab serves as an interactive learning environment where students learn the processes involved in making biodiesel, zero-waste production techniques, and converting by-products into usable/sell-able products.



Eco-dome Greenhouse Lab The Eco-dome, a 3,100 square foot greenhouse, is used in sustainable food systems research projects as well as urban agriculture production.



Geothermal System: Ninety-one wells reaching 500 feet into the ground provide heating/cooling energy for the facility.



Nancy Tuchman Ph.D. is an Aquatic Ecologist studying human impacts on Great Lakes coastal wetlands with her Ecological Restoration Team. Her career at Loyola University Chicago began in the Biology Department where she holds the rank of Professor. From 2010-13 she served as Vice Provost where she designed the Institute of Environmental Sustainability (IES) with its new \$58M building, and in 2013 the University President appointed her the Institute's Founding Dean. In 2020 the IES transitioned to School status, and has 460 students, 6 academic majors, 3 minors, and 2 Master's Programs.

In 2013, Loyola was ranked the 4th greenest college in the nation, and in 2015 the University ratified a Climate Action Plan to reach carbon neutrality by 2025. In 2018 Loyola was awarded the national Climate Leadership Award.

Where: At 3:00 pm meet inside the north doors of the Institute of Environmental Sustainability, Lake Shore Campus (in the lobby where the aquaponics system and biodiesel lab are located). For those unfamiliar with campus, the Institute is Building 41 on the campus map:

<https://www.luc.edu/media/lucedu/pdfs-campusmaps/lsc.pdf>

COVID protocols: The doors to the building will be unlocked, *but all visitors must have vaccination cards and must wear masks.*

Parking should be available in the main parking structure (P1 on the campus map).

RSVP: So we know how many people will be attending, please email xxxxxxxx to confirm that you will be attending.