CALL FOR PRODUCT SAMPLES: GREEN ROOF PERFORMANCE TESTING

Please confirm your interest by **March 27, 2026**, by contacting Grace Hiestand at ghiestand@auroran.net. Samples should be delivered to the testing facility in Spring 2026.

BACKGROUND

The NYC Department of Environmental Protection (DEP), in partnership with Drexel University and with support from eDesign Dynamics, is launching a controlled field experiment to evaluate innovative green roof systems and how they compare to typical systems used in NYC. As the green roof market rapidly evolves, the City is working to ensure its regulations and incentives remain current and effective.

Innovative systems—such as storage-based, wick-driven, fleece-based, and hybrid blue-green roofs —may provide equal or better stormwater performance with less depth and/or lower weight, but currently lack standardized, field-based verification under real NYC climatic conditions. This research aims to:

- Increase the variety of approved green roof solutions for New York City buildings.
- Alleviate restrictions stemming from structural issues, costs, and supply chain disruptions.
- Promote the use of data and research to inform updates to design guidance and regulatory standards.

EXPERIMENT SETUP

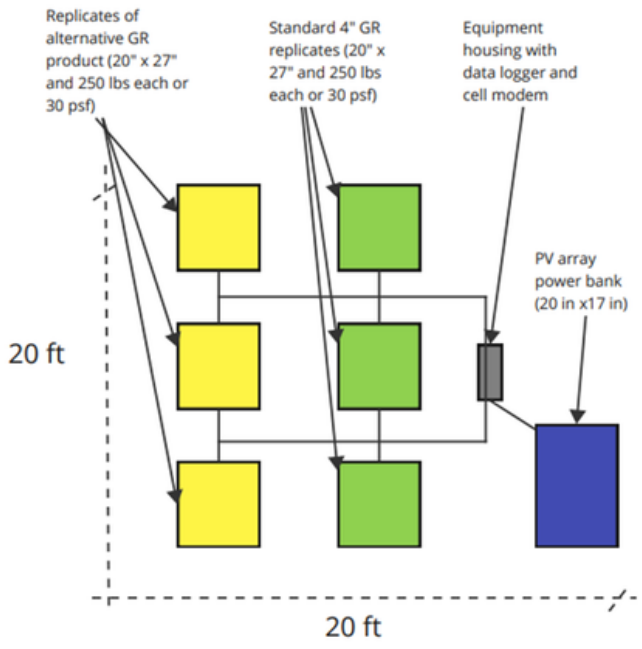
The figure to the right shows the layout of the weighing lysimeter testing facility.

The trial compares:

- 3 replicates: 4" standard green roof
- 3 replicates: Your proprietary green roof system

Each system will undergo a two (2) week testing period, during which it will be monitored side by side with the standard green roof replicates under identical weather conditions, allowing for direct comparison of hydrologic performance.

Proposed Testing Layout



REQUESTED FROM MANUFACTURERS

Participating manufacturers must provide, at no cost, materials for three (3) small-scale samples (1 m² each) of their proprietary green roof system, sized for individual lysimeter platforms.

WHAT MANUFACTURERS RECEIVE

- ✓ Full access to raw and processed performance data for their system
- ✓ Direct comparison to 4" standard green roof
- ✓ Evaluation under real-world NYC climate conditions

Participation does **not** constitute endorsement by Drexel University or NYC DEP.

Submissions will be subject to additional terms and conditions.

INTERESTED IN PARTICIPATING?
EMAIL: GRACE HIESTAND
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