

Sustainability Breakdown

Version 2

Published 4/3/2024 by [Nadezda Tsygankova](#) Last updated 4/5/2024 1:10 PM by [Nadezda Tsygankova](#)

Energy

- The Seneca Farm uses 70 per cent less electricity than traditional agriculture due to the nature of its infrastructure supplemented by high efficiency LED lighting and other technical considerations to demonstrate best practices in sustainable agriculture
- The Seneca Farm saves 38753 food kilometers per kilogram of produce, up to 94,910,804 kilometers per year for our system

Water

- The Seneca Farm conserves 90 to 95 per cent of water compared to traditional farming, equivalent to 723,994 liters of water per year for the size of our system

Waste

- Shortening our food miles and having more direct control of our produce allows for greater inventory management, thus reducing our food waste
- On-site production of vegetables reduces the amount of packaging used in shipment and storage of produce

Ecological Integrity

- Small scale farming systems, such as The Seneca Farm, help reduce the stress on our global land use and increase the capacity of cities to produce their food, and reduce the dependency on external suppliers
- Indoor farming systems avoid the impacts of intensive farming practices on soil stability and quality, which is a leading cause of desertification globally and reduce impacts of effluent run-off

- Supporting the production of diverse and regional plant varieties offers healthy diets and mitigates the impacts of growing one crop at a time

Sustainable Procurement

- The Seneca Farm sources all growing products locally, and plastics are comprised of a high level of recycled content