

Collective Impact for the Global Goals in Newark

Project List

Health & Wellness (SDGs 2, 3, 11, 12)

Table 1. Newark Science and Sustainability (SAS) Projects: Urban Agriculture/Wellness and Nutrition.

Facilitators: Tobias Fox and Professor Rachel Emas, with support from Linda M. Kelley

There are three potential projects to be discussed at this table:

1. Design an urban agriculture business model with multiple sources and distribution channels.
2. Develop a Newark Science & Sustainability (SAS) Operations Manual for scaling up with new chapters in new locations throughout NJ
3. Develop the outline for an urban farm management certificate program and perform market research on the demand for this certification.

Table 2. Don't Miss A Day Boxed Food Drive

Facilitator: Lieutenant Jamie Hendrix, Newark Police, Supported by Professor Leon Fraser

The *Don't Miss a Day* Box Food Drive challenges the Rutgers University- Newark Community to pack three non-perishable meals in a shoe box-size box for a child to easily carry home ensuring at least one day without hunger. Each box will decorate individually to ensure the item is attractive to students upon receipt thereby minimizing the stigma of hunger. Each box also contains a note of encouragement for each student recipient. Donors are encouraged to be mindful of nutritional values of donations with access to fresh fruits and vegetables (for site delivery) and healthy snacks. The Spring 2019 drive will occur between March 1, 2019 to April 19, 2019 benefitting three previously identified schools with significant food insecurity. Students will help develop a sustainability outline identifying potential public and private

partners to assist with accessibility of regular food sources for identified students and families in need at each school.

Table 3. Community Gardens as Learning Laboratories

Facilitator: Lorraine Gibbons, Newark Beth Israel Medical Center, supported by Magda Comeau.

Two projects will be discussed at this table:

1. The Achieve Community Charter School, 534 Clinton Ave., Newark, is currently restoring the community garden at Mildred Helmes Park. Students and teacher are working to practically expand the curriculum. The garden is used for interdisciplinary teaching units (science, math, art, etc.) in the elementary school curriculum and as a stratagem for student therapeutic, recreational, and social experiences. The garden at Achieve provides students with a real-time look at how food is grown. Our scholars of all ages will have regular lessons in the garden, learning how to grow, harvest and prepare a variety of fruits and vegetables.

2. The John F. Kennedy School, 311 South 10th St., Newark is a district wide middle-secondary special education school. Currently there are three programs at this school: Autistic, Multiple Disabilities with Moderate Cognitive Involvement and the Medically Fragile. They have a raised bed garden adjacent to the school used for academic and therapeutic activities for JFK students and acts as a community garden for the neighborhood. They will need assistance on Friday mornings beginning in late March through June, cleaning out the raised beds, assisting students with planting, care of the garden and harvesting.

Table 4. Opportunity Project at Newark Beth Israel Medical Center “Beth Greenhouse” and Boys and Girls Club of Newark

Facilitator: Lorraine Gibbons, Newark Beth Israel Medical Center, supported by Magda Comeau.

Two projects will be discussed at this table:

1. The Beth Greenhouse and Wellness Center, 201 Lyons Avenue, Newark and Opportunity Project. Opportunity Project is a unique program created by and for adults with brain injuries who are seeking the "next step" in their journey of recovery. Opportunity Project members participate in vocational and therapeutic programming at the Newark Beth Israel Medical Center "Beth Greenhouse." They will need assistance on Monday mornings preparing, planting and maintaining outdoor sub-irrigation planter boxes as well as with indoor hydroponic gardening. Additionally, students will assist in

the Wellness Center with nutrition classes, meal planning and healthy independent classes.

2. The Boys & Girls Club of Newark. 1 Avon Avenue, Newark provides hundreds of children and teens with a safe space to learn to make positive life choices, establish healthy habits, and develop academic skills. They will need assistance during after school house (days to be determined) beginning in late March through June, cleaning out the raised beds, assisting club members with planting, care of the garden and harvesting and healthy cooking.

Table 5. Farm Market Distribution/Logistics Plan

Facilitator: Emilio Panasci, supported by Professor Rachel Emas and Linda M. Kelley

The Urban Agriculture Cooperative exists to enhance the opportunity of the small grower, including urban farms in Newark and in Northern NJ, to connect with the urban consumers who lack food access, while also providing the urban consumer with empowerment about how to use locally produced food.

To accomplish these interrelated goals, we operate farmer's markets, connect farmers to resources and support to increase supply, and provide continuous exposure and educational experience on the benefits of locally produced food to build more demand.

UAC and our many partners are looking for people passionate about the food system, health communities and social justice to help build a robust local food economy here in Newark. Students will assist by working on creation of a management, distribution, and logistics plan for bringing several farmers/gardeners to three local Farmers' Markets in Newark each week.

Climate and Environmental Justice (SDGs 6, 7, 10, 13)

Table 6. Newark Science and Sustainability (SAS) Projects: Renewable Energy

Facilitators: Tobias Fox and Professor Rachel Emas, with support from Mike Kornitas

Conduct a feasibility study on the development of a community solar farm in Newark.

Table 7. Humanities Action Lab Initiative on Climate and Environmental Justice

Facilitator: Aleia Brown, Program Manager, Humanities Action Lab, Supported by Professor Can Uslay and Sandy Becker

The [Humanities Action Lab](#) (HAL) is a coalition of universities, issue organizations, and public spaces in 40 cities and growing, led from Rutgers University-Newark, that collaborate to produce community-curated public humanities projects on urgent social issues. In October 2019, a public exhibition featuring all of the local stories from HAL partners around the globe will launch in Newark, NJ, before traveling to all 23 communities that created it. In each city, local hosts organize public programming, facilitated dialogues, film screenings, performances, and more.

For this Collective Action project, students have the opportunity to participate in the Humanities Action Lab's global initiative on climate and environmental justice. After interviewing Newark residents about their experience during and after Superstorm Sandy, students will use storytelling techniques to create and contribute short videos and blogs to HAL's digital media installation.

Table 8. Sustainable Jersey as a model for local action to achieve collective social impact (SDGs)

Facilitator: Melanie McDermott, Sustainability Institute, The College of New Jersey.
Supported by Nathaly Agosto Filión, and Professor Jill Lipoti, Rutgers.

[Sustainable Jersey](#) is a network and movement of 448 municipalities and 1,116 [schools](#) and school districts working collectively to bring about a sustainable New Jersey. Acting with state agencies, non-profit organizations, foundations, academia and industry, Sustainable

Jersey researches best practices for what communities could and should do to contribute to a sustainable future. The program culminates in a prestigious certification award to municipalities and schools that have documented meeting a set of rigorous standards.

Newark has been a long time registered participant in Sustainable Jersey program and is actively working towards re-certification. By supporting Newark in accomplishing Sustainable Jersey actions, project teams would be both advancing SDGs in Newark and supporting the City in achieving re-certification.

The Sustainability Office of Newark has identified several Sustainable Jersey actions that support both sets of objectives. In order of priority and feasibility, they include:

- 1) [Green Business Recognition](#), which would involve working with Newark’s business community;
- 2) [Diversity on Boards and Commissions](#), with a focus on Newark’s Environmental Commission, Planning Board and Zoning Board. This project could tie into beginning work on updating the Environmental Justice in Planning and Zoning action;
- 3) [Other SJ actions](#) of interest to Newark (negotiable).

Table 9. Commercial Energy Efficiency Outreach Campaign to Small/Medium-sized Newark Businesses

Facilitator: Tony O’Donnell, TRC Solutions

Students will work with a representative from New Jersey’s Clean Energy Program (NJCEP) to conduct a targeted outreach campaign to encourage small and medium-sized businesses in Newark to complete energy efficiency upgrades to their facilities. NJCEP representative will utilize existing program data to identify three distinct commercial areas in Newark that will serve as the targets for this effort. Students will be paired in groups of two as they engage with the targeted businesses.

Education (SDGs 4, 10) & Employment Issues (SDGs 1, 5, 8, 9, 10)

Table 10. Clean Potable Water in Newark

Facilitator: Govi Rao, Founder/Partner, CarbonGroup.global, Supported by William G. Russell

Determine the feasibility of establishing an assembly plant to assemble and deploy water filters in every home and school in Newark. The assessment will include manufacturing/assembly capabilities, skills requirements, and training needs, tech transfer, distribution, and after sales service. The assessment will also focus on existing facilities that can be re-purposed for this as well as the feasibility of using recycled plastic for the shells for these filters. The goal will be to employ people in Newark and to improve the health of people living in Newark.

Table 11. Improving Math Skills of K8-K12 students in Newark, while supporting local area tutors.

Facilitators: Ratan Agarwal, Shayne Veramallay, Partners, CarbonGroup.Global

(a) Determine the potential for [HTS solution](#) to address (Math skills) K-8/K-12 kids in the area;
(b) Key details of the implementation plan: Target pricing, agency support, marketing and selling, (c) job impact potential by hiring local area tutors.

Table 12. Engaging the Next Generation in Manufacturing Careers

Facilitator: Jackie, Luciano, Zago Manufacturing, Supported by Professor Sharon Hellman

This project relates to sustainable careers in manufacturing, Lean, Robots, education for HS students/STEM careers. They will be focusing on employment and education issues. The challenge will be in coming up with the messaging and the medium in which to get the messaging heard, to get two schools to sign up for manufacturing tours at the Zago facility as well as another manufacturing company here in Newark. In terms of measurement, they can distribute a survey to students right before and right after the event to measure their level of awareness/thoughts/opinions and/or likelihood of considering manufacturing as a viable profession or working for a sustainable company.

Table 13. United Fashion & Arts Council (UFAC) Waste to Fashion

Facilitator: Tiah Knox, United Fashion & Arts Council, Supported by Professor Loubna Erraji

Develop a Business plan to bridge the worlds of waste/upcycling with fashion and art, Sustainable fashion and social investments. In the past the UFAC has created women’s bags using soda cans to help reduce wastage and encourage community involvement. Tiah will have various recycling wastes made into wearable products to display. In addition, raw materials will also be on display. The project could involve market research, secondary research, surveys and interviews. The project will be looking at sustainable fashion through the lens of all stages of the product life cycle.

****Also see Table 2. Don't Miss A Day Boxed Food Drive (regarding Education)**

Facilitator: Lieutenant Jamie Hendrix, Newark Police, Supported by Professor Leon Fraser

****Table 3. Community Gardens as Learning Laboratories (regarding Education)**

Facilitator: Lorraine Gibbons, Newark Beth Israel Medical Center, supported by Magda Comeau.

****Table 4. Opportunity Project at Newark Beth Israel Medical Center “Beth Greenhouse” and Boys and Girls Club of Newark (regarding Education)**

Facilitator: Lorraine Gibbons, Newark Beth Israel Medical Center, supported by Magda Comeau.

****And Table 8. Sustainable Jersey as a model for local action to achieve collective social impact (SDGs) regarding education and employment**

Facilitator: Melanie McDermott, Sustainability Institute, The College of New Jersey. Supported by Nathaly Agosto Filión, and Professor Jill Lipoti, Rutgers.

Built Environment/Ecological building (SDGs 11, 15)

Table 14. Frelinghuysen Ave Corridor Master Plan, Newark NJ

Facilitator: Professor Barbara Faga, Bloustein School of Planning and Public Policy, Rutgers University. Supported by Magda Comeau.

Historically a housing and commercial center for the city of Newark, the Frelinghuysen corridor needs a 21st Century comprehensive plan for redesign and development. This plan will provide the opportunity to work on a major corridor study that will include transit-oriented development (TOD), mixed use including streetscape, housing, infrastructure, industrial development, transit equity, jobs and tourism. We will look at park and recreation opportunities and the redevelopment of the Seth Boyden Housing site.

The major areas of research and planning for the redevelopment plan and corridor design for this Transit Oriented Community (TOC) may include;

1. History of existing buildings and development along and adjacent to Frelinghuysen Ave
2. Real estate value analysis
3. Review of existing housing stock including goals and opportunities for affordable housing
4. Design for Seth Boyden Homes site redevelopment
5. Design for mixed-use including retail, office, apartments, and warehouse land uses
6. Neighborhood park and open space design
7. Environmental guidelines for sustainable
8. Pedestrian and street design

****Also see Table 6. Newark Science and Sustainability (SAS) Projects: Renewable Energy**

Facilitators: Tobias Fox and Professor Rachel Emas, with support from Mike Kornitas

Conduct a feasibility study on the development of a community solar farm in Newark.