

STRONG ISLAND

PROMISES MADE PROMISES KEPT

A CONTINUING STORY OF PROGRESS



**THE STRATEGIC ECONOMIC DEVELOPMENT PLAN
FOR LONG ISLAND**

2015 UPDATE

LONG ISLAND REGIONAL ECONOMIC DEVELOPMENT COUNCIL



September 21, 2015

Mr. Howard Zemsky
President and CEO
New York State Empire State Development
633 Third Ave, 37th Floor
New York, NY 10017

Dear Commissioner Zemsky:

The Long Island Regional Economic Development Council is excited to submit the 2015 update to our Five-Year Strategic Plan. In keeping with our themes of collaboration and consensus, this year's document again reflects the tireless commitment of dozens of Council and Work Group volunteers who spent the year evaluating our progress, recommending and reviewing new projects and promoting our inclusive agenda throughout Long Island. Included in this document are the Progress Report, Round 5 project recommendations, and the region's new Cluster Plan. As in the last four years, all the proposed initiatives embody the goals and strategies that were carefully developed with stakeholders who represent the broadest spectrum of Long Island life. We believe they continue to meet Governor Andrew Cuomo's catalytic challenge to the region to move *itself* forward.

The LIREDC welcomed the opportunity this year to identify a regional industry cluster that had the greatest potential for long-term growth – and then to create an action plan to nurture it. Thus, we formed a subgroup within the Innovation and Industry Cluster Work Group to take up the task, which started with an analysis of data and consultation with experts. Choosing one industry among the diverse range of industries in the region was not easy but, in the end, our existing assets and projected trends pointed strongly in one direction – biotechnology. No other cluster offered us a greater chance of success.

The other work groups continued to collaborate and strategize throughout the year as well. Those overseeing Opportunity Agenda and Workforce, Education and Veterans have continued the strong pipeline of projects that are fueling our progress. The cross-pollinating relationships between work groups, as well as institutions, have strengthened. For instance, local colleges and universities have become increasingly more involved in Wyandanch after discovering they could make a difference with their own programs and personnel. To meet our goal of replicating success, other high-need communities have reached out to the council and vice versa, to help them start their own OA programs. Work Group meetings often hum with shared ideas and aspirations.

The Council would like to applaud your leadership and that of Lt. Gov. Kathleen Hochul and Governor Cuomo for the roles you have played in this ongoing initiative. We needed the push – or maybe the shove – that came with creation of the regional councils and the competition for funding. We believe we have responded to the challenge and proudly present our evolving vision.

Sincerely,

Kevin S. Law
President & CEO
Long Island Association

Stuart Rabinowitz
President
Hofstra University

LONG ISLAND REGIONAL ECONOMIC DEVELOPMENT COUNCIL

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KEY STRATEGIES FOR ECONOMIC GROWTH



IDENTIFY and support industry clusters, especially biotechnology, that possess the potential to bring together researchers, educators, investors, manufacturers and others in a collaborative effort to accelerate the commercialization of technical and scientific discovery and generate jobs at every rung of the employment ladder.



CREATE a cohesive education and workforce training strategy through partnerships among a range of stakeholders - business, trade groups, labor, government agencies, educational institutions, parents and students - with the goal of ensuring that workers from all of Long Island's communities are prepared to take advantage of new job opportunities in key economic growth sectors.



DEVELOP innovation and industry clusters in transformative locations across the region - including downtowns, brownfields and university, research and medical centers - by integrating the smart growth principles of transit-oriented development and vibrant community life.



ENHANCE and develop multi-faceted, interdisciplinary facilities aimed at incubating and accelerating the commercialization of innovative products generated at the region's premier research institutions, by linking scientists, engineers, and health and medical professionals to entrepreneurs and small businesses.



REINVIGORATE Long Island's manufacturing sector through continued transformation from traditional defense and aerospace work to advanced technology products, creating skilled, high-value jobs and a network of nimble companies that can develop synergistic partnerships with companies in other regions of the state.



PRODUCE a new generation of sustainable, well-paying jobs in the legacy sectors of agriculture, aquaculture, fisheries and tourism by enhancing the economic value of our parks, historic places, and arts venues and organizations, and expanding export opportunities, infrastructure, recreation facilities, research partnerships and workforce training.



KEY STRATEGIES FOR ECONOMIC GROWTH



REBUILD and expand infrastructure to improve job access, revitalize downtowns and transit HUBs, speed trade, and attract and retain dynamic regional businesses and highly-skilled workers.



PROTECT Long Island from the perils of climate change at the same time we encourage new “cleaner, greener” industries by leading collaborative regional efforts to harden our infrastructure, businesses and homes against the next major storm and to encourage transportation, energy and construction policies that reduce our vulnerability, as well as our carbon footprint.



REVITALIZE Long Island’s poorest places by targeting the region’s collective resources on new community-driven initiatives that can create jobs, homes and businesses and ensure that all communities are participating fully in the state’s economic revitalization.



GLOBAL NY Augment the export capacity of Long Island companies and attract foreign direct investment in the region by bringing together experienced exporters, relevant government agencies and our world class education and research institutions to identify and pursue potential business opportunities overseas.



VETERANS WORKFORCE DEVELOPMENT
Unleash the economic potential of unemployed and underemployed military veterans with creative new ways to provide information, job training and other skills that will honor their service and aid the region by helping them succeed as employees and entrepreneurs.



ATTRACT travelers from across the globe by leveraging Long Island’s unique heritage and tourism assets to convey our rich contributions to American history, the arts, and culture.



HOW WE'RE DOING...



ERICA PRINCE'S DAUGHTER ASHLEY

Erica Prince knew the job wasn't done.

Even after the then-43-year-old unemployed veteran from Wyandanch had revitalized her life last year through a job-training program supported by LIREDC, even after she got her carpenters union card to work on the construction project that was revitalizing her community, Erica knew her oldest child still had to turn her own life around. Without that, Erica couldn't be certain that her family had truly broken the cycle of trouble that had threatened it for years.

Now, Erica's 20 year-old daughter, Ashley Sanders, is doing her part for the family and herself. Ashley has pulled her life together through another LIREDC-supported program, the United Way's YouthBuild, where she, too, became certified in the construction trades.

"I was being hard-headed and stubborn, running with friends and partying," Ashley said of the "bad attitude" that landed her in trouble. "I needed to channel my assertiveness in a good way."

Like her mother and dozens of other un- and under-employed people in their hard-pressed hamlet, this channeling started at the Wyandanch Resource Center, where her aptitude, interests and attitude – "bad" or otherwise – were assessed. In addition to obtaining her high school equivalency, she got a scholarship to learn culinary skills and through YouthBuild received her OSHA certification in HVAC. "I did a lot of hard work," she said, "and it was worth it.

Ashley was asked to give the speech for her class at graduation and received the Fortitude Award. "I want to be a role model for my sister," she said of nine-year-old Courtney, as she stood between Ashley and Erica. "This one isn't going backwards like we did. She is going ahead – directly to college!" Now little Courtney has two role models – a motivated mother and sister.

Part One: EXECUTIVE SUMMARY/ OVERVIEW OF PROGRESS

We know we've made a lot of promises, big promises. And we believe we've delivered on them, big time. If the LIREDC mission has an all-encompassing motto, it is this: *Promises made, promises kept – and the promise of a region realized.*

In 2011, after Governor Andrew Cuomo created the LIREDC to compete with other regions for state investments, we promised to craft an inclusive five-year strategic plan inspired and embraced by *all* our stakeholders.

- A **sensible** plan premised on a fact-based appraisal of Long Island's economic assets (such as world-renowned research institutions) as well as its liabilities (a lack of consensus and collaboration).
- A **sustainable** plan that balanced the twin imperatives of economic growth and environmental stewardship.
- A **forward-looking** plan that encouraged a new "culture of cooperation," instead of tolerating old destructive rivalries.
- An **innovative** plan whose concentration on clusters, from biotech to tourism, would transform whole industries and communities alike, particularly those threatened by dysfunction and disinvestment.

Yes, we kept our promise to create that first plan, "**A New Vision for Long Island's Economy**" – that was deemed "**best in state**" at a rousing ceremony in Albany. (We've also been diligent in updating it annually, showing flexibility and creativity in the face of sudden challenges, such as the savage destruction of Superstorm Sandy.) But as complicated and time-consuming as it was to bring together Long Island's fragmented, fractious world to shape initial initiatives and enduring strategies, producing the plan was the easy part. Over the years, including this year's Round Five palette of proposals (summarized at the end of this section), we have made *many more* promises to rebuild, revitalize and regenerate Long Island. Promises not just to the extraordinary job-creating engines like Brookhaven National Lab, Cold Spring Harbor Lab, Stony Brook University, North Shore-Long Island Jewish Health System, the Feinstein Institute, Hofstra University and other inanimate institutions, but promises to people, real people.



How We're Doing...

We pledged – and still pledge – to provide well-paying jobs for unemployed veterans like Erica Prince in Wyandanch; safe and affordable homes for single moms like Mari Pryor in Coram; state-of-the-art labs for young cancer researchers like Abram Handly-Santana at Cold Spring Harbor; expansive new docks to boost life-long fishermen like Paul Farnham in Montauk; the latest cold storage technology for farmers like Paulette Satur of Cutchogue; an aspirational “pipeline” via the Hofstra/North Shore-LIJ School of Medicine to propel Adenike Adeyemi-Jones out of underserved Uniondale.

Their stories inspired us – Council volunteers side by side with ESD professionals – to do our best. We knew that a lot of people were – and very much are – counting on us to keep our promises. When the LIREDC supported sewers and infrastructure for the transportation hub of Ronkonkoma, for instance, and “smart growth” transit-oriented renewal for the working class hamlets of Coram and Copiague, and marketing dollars for the feisty City of Long Beach so it could tell the world it was back for business after Sandy, we knew we were advocating for more than laying pipes or paying for ads featuring Billy Crystal. We were – and will continue to be in Round Five and beyond – putting down markers for cleaner water and greener communities for nearly three *million* people, as well as for the sustainable development that comes from carefully planned growth. We were – and are – promising to invest in our families, building the economy for today and tomorrow.

Promises made, promises kept...

Certainly, the numbers support our claims of accomplishment and continuity:

- In four years of competition against nine other regions, the state approved 347 LIREDC-recommended projects on Long Island for a total of \$326 million in funding. These projects have created or retained more than 15,000 jobs and leveraged \$2.4 billion in non-state investment, mostly from the private sector.
- Of the 347 projects, nearly 80 percent have been completed or remain on schedule. Of the priority capital projects, which account for the bulk of state and outside spending, the success rate is approaching 90 percent.
- Exports, a priority reflected in the LIREDC's earliest strategies, grew by 20.4 percent between 2012 and 2014, compared to only 8 percent statewide.
- Since 2011 the Council has delivered over \$25 million for life science projects, leveraged nearly \$400 million, and created almost 1400 jobs – all to buttress what already is the largest such regional sector in the state.
- In last year's Round Four capital funding, \$24 million in LIREDC-supported spending catalyzed a regional-record \$624 million in projects for a leveraging ratio of 25-1.

But the numbers also show we have much work to do - and that we still need state support to get it done. Our workers, overall, earn less than the state average and (because of deep cuts in government employment) we have fewer workers than in 2000. We are still trying hard to catch up to where we were before the Great Recession and Superstorm Sandy.

HOW WE'RE DOING...



J. ROBERT COLEMAN

CODAGENIX

Spun out of cutting edge research conducted at Stony Brook University and based in the Long Island High Technology Incubator (LIHTI), Codagenix is a startup biotech company focusing on developing a rapid and unique method for constructing vaccines for a wide range of medically important human diseases. Born and raised on Long Island, Codagenix Co-founder and Chief Operating Officer, J. Robert Coleman, believes Long Island is a prime location for bioinnovation. "Having all these amazing academic institutions that are developing basic technology coupled with the region's close proximity to New York City, naturally sets the stage for Long Island to be a hub for the biotech community," said Coleman.

Thanks to assistance from StartUp NY, Codagenix is flourishing and scheduled to move out of the LIHTI and into the Broad Hollow Bioscience Park. In the past year alone, the successful biotech startup has solidified about \$3 million in a combination of public and private funding to continue its mission. The private investment is from TopSpin Fund - a venture capital firm headquartered in Roslyn that partners with strong teams of entrepreneurs who set out to grow and innovate.

In addition to understanding the benefits of StartUp NY, to say Coleman appreciates the unique assets of the academic centers on Long Island is an understatement. He received a PhD in Molecular Genetics and Microbiology from Stony Brook University and currently teaches at SUNY Farmingdale, working on a daily basis with researchers and academics from both universities. A great champion of collaborations between the research institutions on Long Island, Codagenix has recently partnered with SUNY Farmingdale to develop an E. Coli vaccine.

With the unfortunate unmet clinical needs for effective vaccines, innovative companies like Codagenix are critical to the growing vaccine market. Codagenix's live attenuated vaccines use a software-based rational design algorithm that is unlike previous vaccine platforms. Benefiting from the redundancy in the genetic code, the Codagenix algorithm re-structures viral genomes in a sub-optimal genetic code and proves to be highly effective. The Codagenix pipeline of vaccines includes Influenza, respiratory syncytial virus (RSV), Dengue, foot and mouth disease virus (FMDV) in collaboration with the USDA at Plum Island, pathogenic E. Coli, and other targets.

Thanks to the thousands of hours spent publicizing our opportunities, seeking public participation, recruiting partners, vetting proposals, and overseeing initiatives in innovation and other critical areas, we have delivered a strong return on state dollars.

Over and over, again and again, we have done what we said we would do. Create:

- Hope and confidence through productive new collaborations
- Better lines of communication
- Added capital for ideas and infrastructure
- More jobs for Long Islanders along the full socio-economic spectrum of our workforce

Thanks to the collective sweat and expertise of so many people, the LIREDC has done nothing less than develop an antidote to the cynical assumption that Long Islanders can't come together to help themselves. Boosting regional confidence was an early priority of our co-leaders, Kevin Law, president of the Long Island Association and Stuart Rabinowitz, president of Hofstra University. We needed – and still need – Long Islanders to believe in the Council and in themselves.

But confidence only counts if it is a catalyst for job creation. And each year we have endeavored to expand on our efforts and extend our reach. LIREDC investments have ranged from facilitating world-renowned research led by Nobel Prize winners and enormous makeovers of suburban downtowns, to buying critical equipment for struggling manufacturers and life-changing retraining for unemployed veterans. (Details on these projects appear in the implementation sections in this report.) Through the expert plans developed by our **Global NY Work Group**, we have set a systematic agenda to expand exports, an effort that cuts across all our sectors. Through the informed recommendations of our **Path Through History Work Group** we have recognized the critical economic contributions of our historic, cultural and artistic venues. Through our **Opportunity Agenda Work Group** we have developed plans to replicate the success in Wyandanch to other underserved enclaves, such as Huntington Station – whose officials and community leaders have invited our engagement. "What the LIREDC did in Wyandanch is the model we want to follow," said Huntington Town Councilwoman Tracey Edwards. "We want them involved with us as well."

It's not just our big capital projects that have moved the dial on Long Island. The impact of these priority projects have been augmented by hundreds of other smaller CFA initiatives, our "business bundles" - everything from ESD tax credits to Department of Labor job training grants. The LIREDC has worked with a number of state agencies, as well as our corporate and community stakeholders, to match their requirements and agendas with the needs of our businesses and other fund applicants. Our high success rate in bringing projects to completion is due in large part to our strong ESD regional office that, among the many tasks it does well, follows through with applicants and agencies to minimize mistakes and misunderstandings.



HOW WE'RE DOING...

Promises made, promises kept...

The LIREDC has been especially conscientious about not stagnating as an organization, much less coasting on our “top performer” laurels. Last year’s priority projects – from job and social skills training for youth in several underserved areas, to collaborative, cutting-edge cancer research at two of our biotech cluster stars – demonstrate our commitment to seeking out more – and more impactful - projects. By awarding multi-year grants for long-term projects, as well as finding new opportunities to jumpstart job creation, we have tried to create a pipeline of accomplishment. It’s a strategy that has generated momentum for momentous achievement. For instance, the value of Round Four capital funding far exceeded the best prior year by nearly 60 percent. The leveraging rate was virtually tied for the best ever. In Rounds Three and Four, we proposed a total of 59 transformative capital projects. In Rounds One and Two, we offered up 41 – a number celebrated at the time as exceptional.

The Council has been especially successful in strategizing around clusters, even before the state mandated us to do so (Just as we didn’t need to be told to create opportunity in our poorest places). Again, the numbers tell a compelling story with millions of dollars in state investment leveraging *hundreds* of millions in various other investments.

Our economic landscape will never look the same – and overwhelmingly for the better.

We don’t kid ourselves. We know we still have a ways to go before we can call Long Island an economic success. Obstacles to growth - such as some of the nation’s highest property taxes and energy costs and low rates of venture capital investment – still remain. We have never sought to gloss over this. For all our progress, we know Long Island still needs our state and local partners and their willingness to invest in our revival. But we are proud of how far we have come in meeting the goals of our first five-year strategic plan. We are especially proud of being deemed a top performer in the three of the first four rounds. Those validating designations provided a boost to our credibility in the community, as well as tens of millions of dollars more than if we hadn’t “won.”

Promises made, promises kept...



If we have another motto, it is *metrics matter*. But we’ve also learned that not every accomplishment can be measured with data-like precision, especially the life-changing and perhaps even life-saving opportunities that these initiatives have presented so many Long Islanders.

Five years ago, Erica Prince was an unemployed veteran with limited prospects and her daughter, Ashley Sanders, was headed for trouble. Now, thanks to an LIREDC-supported initiative as part of revitalizing Suffolk County’s poorest hamlet, Wyandanch, Erica received the training to become a union carpenter on the development that was transforming her community. And Ashley has “turned her life around” through a succession of job-skills and education programs. “They’re an example of what people in this community can achieve if given the opportunity,” said Suffolk County Executive Steve Bellone. “We are working to ensure that every person and every community is participating in our new innovation economy.”

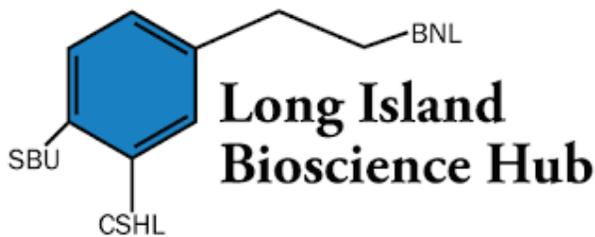
HOW WE'RE DOING...

Promises made, promises kept...

Five years ago, Wyandanch was not only the poorest hamlet in Suffolk County, but possibly the most hopeless. Now, thanks to an engaged community and Opportunity Agenda Work Group, as well as supportive federal, state, county and Babylon Town officials, Wyandanch is rising on the strength of huge, multi-year investments recommended by the LIREDC. Mixed-use development has provided homes for hundreds of people in nothing less than a new downtown. The Wyandanch Village project, built by the Albanese Organization, includes an artistically appealing parking garage (courtesy of our Long Island Rail Road partners) and some of Long Island's "greenest" residences. Now they house many long-time residents of Wyandanch, along with newcomers, who long despaired of finding affordable first-rate housing. "We have worked so long to make this happen," said Anne Stewart, a community activist. "I've never seen the community more hopeful... that they'll have training for new jobs, a fresh, new downtown where they can walk and shop and work."

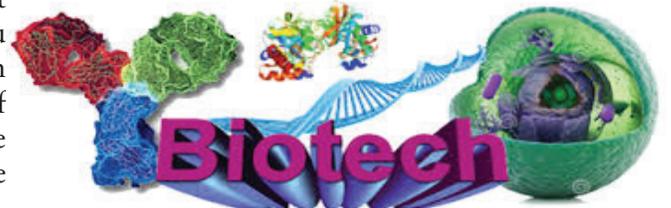


Promises made, promises kept...



Five years ago, major educational and research institutions rarely collaborated, if they communicated at all. Now, Brookhaven National Lab, a federal institution, has opened the doors of its most sophisticated facilities to researchers at businesses and other organizations with an emphasis on commercializing discovery. Recently, two of the world's most-respected research institutions, Cold Spring Harbor Labs and the Feinstein Institute (part of North Shore-Long Island Jewish

Health System), have embarked on a partnership to develop cutting-edge medical therapies "from bench to bedside." The project is a model for the collaborative cluster approach that we have brought to all our sectors. In fact, the prevalence of world-class research institutions, including many renowned departments at Stony Brook University and the emergence of Hofstra University in engineering and medicine, persuaded us to choose biotechnology as this year's focus cluster. Already, with the expansion of our pharma industry, Long Island has more biotech jobs than any other region of the state. And we are extremely excited about the synergies possible with the plan, touted recently by Nassau County Executive Ed Mangano, to create a biotech hub on the grounds of Nassau Coliseum and Hofstra. As an engine of growth, its potential is breathtaking. "This," he said, "could be a game-changer." And it is why we are supporting infrastructure improvements to prepare the site for smarter development.



HOW WE'RE DOING...

Our Top Priority Projects

Culled from more than 100 CFA's recommended for funding through capital grants and tax credits, what follows are brief summaries of the projects that further our goals and strategies designed to create sustainable economic growth. (More details appear in the implementation section and other parts of the report.) Some of these projects build on progress in specific communities, others send us soaring in new directions. Most address multiple objectives in our strategic plan, such as developing an innovation economy, balancing economic growth with environmental protection and aiding the recovery from Sandy. And all have been systematically and soberly vetted by the Council and its Work Group members and ESD staff. We are committed to spending state tax dollars carefully and productively, creating or retaining jobs and leveraging outside investment. This is how we plan to do it in Round Five:

Investments in an Innovation Economy



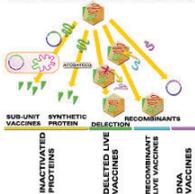
Accelerate Long Island. This initiative will now build the capacity of a rare collaboration among Long Island's world class research institutions – including Brookhaven National Lab, Cold Spring Harbor Lab, Hofstra University, the North Shore-LIJ Feinstein Institute, and Stony Brook

University – to equip startups that are commercializing local discovery and invention.

Stony Brook University Cyclotron and Radiochemistry Lab. Boosting Long Island's status as a leader in biomedical imaging and informatics, this new job-generating facility will enable physicians and researchers to diagnose and monitor disease at the molecular level, as well as develop new targeted treatments for cancer, neurological disorders, and other diseases.



NEW GENERATION VACCINES



Next Generation Vaccines. An extraordinary public-private partnership, Farmingdale State College, Nassau Community College, and StartUp NY partners Codagenix, Inc. and Broad Hollow Bioscience Park (BHBP) will establish a biotech pipeline from middle school through college – and create jobs, as well as valuable vaccines, through research developed on Long Island and now commercialized by the fast-growing Codagenix.

Stony Brook University Biotech Wetlabs. To create additional space for very early stage biotechnology ventures, the Long Island High Technology Incubator at SBU seeks to expand its collaborative wetlab space so more fledging enterprises can save scarce resources and access expensive equipment as well as co-mingle with like-minded scientist-entrepreneurs.



Biomedical Manufacturer. Part of our annual “business bundle” that recognizes the job-creating potential of small companies, we are recommending state funds to help **Avery Biomedical** to invest in new equipment and double its workforce producing a nerve stimulator known as a diaphragm pacemaker for chronic respiratory patients.

Winthrop Research Center. To help operationalize an architecturally stunning research center on the transit - oriented Winthrop University Medical Center Campus, the LIREDC recommends funding for equipment crucial to its cutting edge work.



HOW WE'RE DOING...

Investments in Rebuilding the Region “Smartly”



Nassau Hub. Potentially the center of a massive research and development campus that could transform our biotech cluster, the 70-plus acres of asphalt at Nassau Coliseum will be freed up for more productive uses through infrastructure improvements.

Peconic Crossing. Addressing critical affordable housing challenges in the region and furthering the revival of a strategically-located East End town, the \$18 million mixed-use development will create 48 “green” units of housing in Riverhead with preference given to residents displaced by Sandy and with opportunities for low-and moderate-income households.



Babylon Brewery Incubator. Renovating and equipping a derelict eyesore near a bustling transit-oriented village downtown, the \$12 million incubator will provide working space and a tasting room to nurture up to 10 brewers in support of Long Island’s growing craft beer industry.

Brookhaven National Lab Discovery Park. Enhancing the economic development capacity of one of the nation’s premier federal research facilities is the goal of this \$10 million public-private partnership that will promote STEM education for the community and housing and office facilities for over 4,000 scientists and other researchers and business people who visit each year.



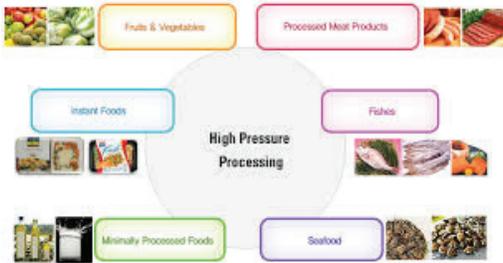
Long Island MacArthur Airport International Access. By accommodating international arrivals, predominantly from Europe, the Caribbean and Western Hemisphere, a \$10 million Federal Inspection Services station (FIS) could boost this underperforming regional asset and promote economic growth through exports, business expansion and tourism.

Glen Cove Ferry Terminal Parking. This \$11-million three-tier, 350-space facility will provide commuters, tourists and local employees with another alternative to using their autos, easing traffic congestion and environmental emissions, and will be built to allow for other community-friendly uses, such as conferences, farmers markets and concerts.



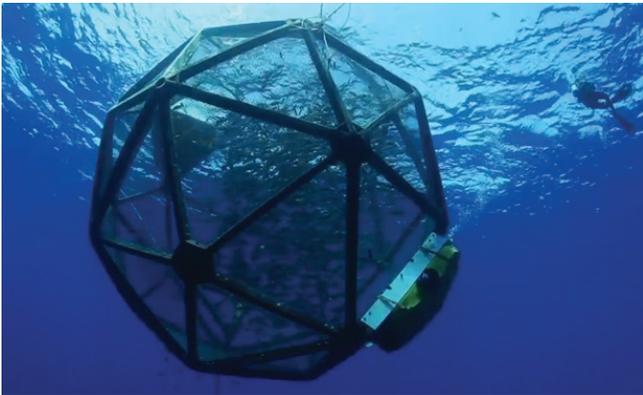
HOW WE'RE DOING...

Investments in our Natural Assets



North Harbor Trading Company. In a boost for our legacy agriculture and fishing industries, as well as our biotech cluster, this initiative supports the first-on-Long Island acquisition of a new food processing technology – called High Pressure Processing – that improves the taste, shelf-life and safety of harvested products by sanitizing them with pressure instead of heat.

Suffolk Agricultural Visitor's Campus. Suffolk, one of the state's leading agricultural counties, is seeking to build up both agriculture and tourism by creating a center that will help tourists navigate the multitude of agriculturally-related places to visit, providing information on individual farms and cultural attractions, as well as offering Long Island products to purchase.



Aquapods Farming in the Atlantic. A high-tech addition to Long Island's historically rich and lucrative fishing industry, Manna Fish Farms hopes to build the first of 24 off-shore pods that will test their viability in the Atlantic and prepare the company to create jobs by expanding sustainable – and profitable – fishing practices.

Grease Digestion in Great Neck. A cost-effective and environmentally-sound way of disposing of grease, as well as generating power, this facility will upgrade technology at Long Island's oldest sewage treatment plant, producing cleaner sludge, harnessing more methane and saving taxpayers energy and transportation costs for disposed grease.



HOW WE'RE DOING...

Investments in Our Workforce



Hofstra Entrepreneurship Incubator. Recognizing the need to train people to commercialize discovery – and with a commitment to Long Island – this initiative will help the region's top private institution of higher learning introduce entrepreneurial skills into educational programs and lay the groundwork for the university's entrance into the StartUp NY program.

NYIT Cybersecurity Startup Center. Another strong entry into the StartUp NY program, New York Institute of Technology will repurpose a building off campus in Port Washington to meet the growing need to nurture early-stage cybersecurity research and development companies and to create business opportunities for low-income students and veterans.



Molloy Collaboratorium. This unusual partnership between a private college and an integrated public school system will renovate space in the Baldwin district where students will be motivated to learn digital media literacy and social entrepreneurship, starting down a promising internet-age career path from high school to college to work place.

Retraining and Retaining Health Care Workers. The North Shore-LIJ Health System, by far the region's largest employer and importer of well-educated professionals, will expand and improve its Center for Learning and Innovation in Lake Success that provides state-of-the art training to update various competencies for a range of health care providers.



Hofstra Community Leadership Training. Transforming a surplus armory into a center for developing community leaders in workforce and education issues, this project will revitalize an eyesore in one of Nassau County's poorest villages, Hempstead, and tie the university more closely to its residents hungry for an economic development resource.

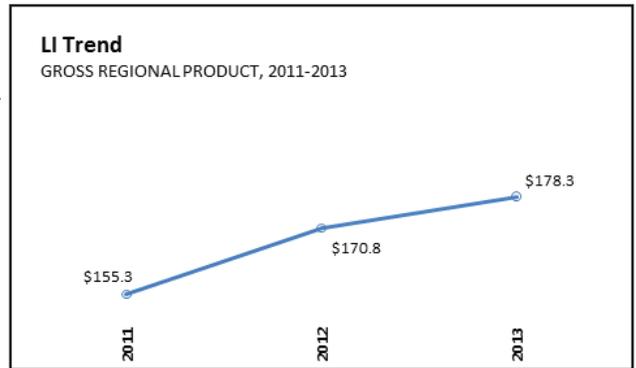
These projects are the result of months of recruitment, research and reassuring assistance for our applicants. They reflect our goals and strategies and represent our best efforts to create an employment pipeline for this year and many more to come. By following through from "contract to construction" or other endeavors, we feel confident in again pledging to deliver value for state taxpayers and economic opportunity for all our residents. Next year we expect to report again, "Promises made, promises kept – and the promise of a region being realized."

What the Numbers tell us...

Part Two: PROOF OF PROGRESS

General Economic Indicators for Long Island

Long Island stands tall as one of the largest suburban economies in the nation, and after struggling through the twin assaults of the Great Recession and Superstorm Sandy, Nassau-Suffolk is gaining traction. Long Island's gross metropolitan product grew by 14.8 percent between 2011 and 2013, compared to 8.7 percent statewide over the same period.



While exports are a relatively small part of Long Island's economy, they grew by 20.4% between 2012 and 2014, compared to only 8.0% statewide.

| | Long Island | | | New York State | |
|---|----------------------|---------------|----------------------------|----------------|----------------------------|
| | Starting Point: 2011 | Current: 2014 | Progress to Date- % Change | Current: 2014 | Progress to Date- % Change |
| Value of Regional Exports (\$ millions) | \$8,727 (2012) | \$10,507 | 20.4% | \$88,434 | 8.0% |

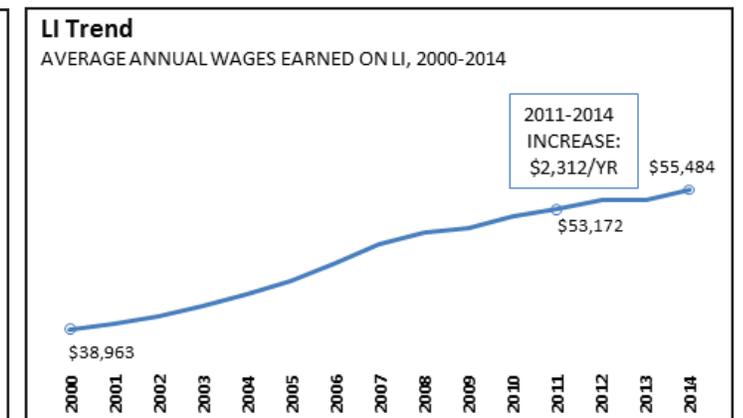
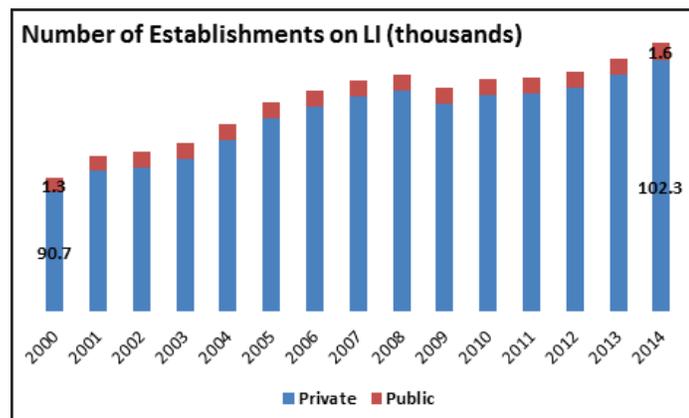
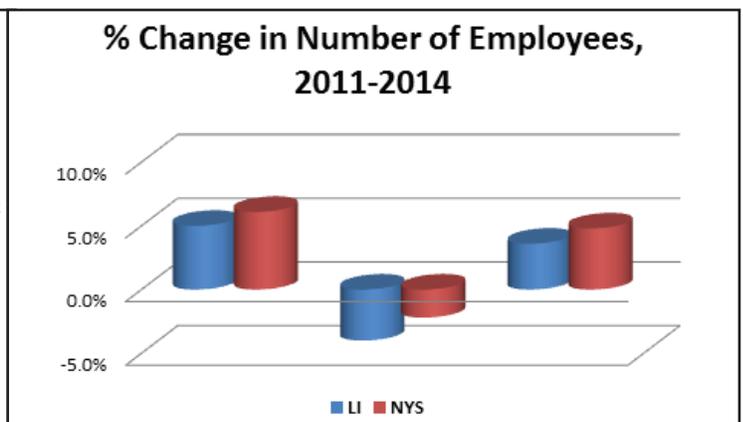
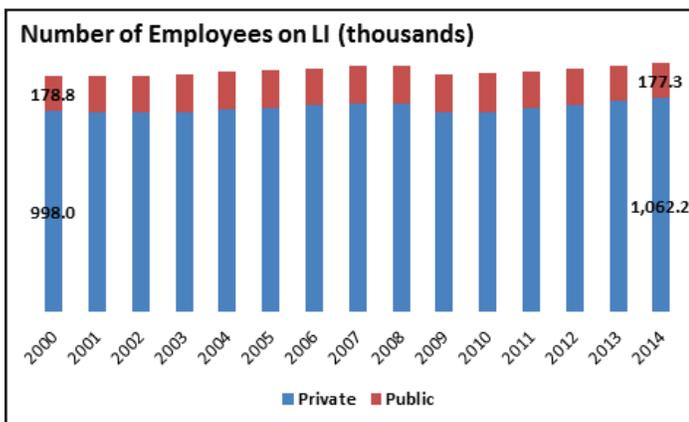
Although our forward movement mimics improvement in the national economy, it also reflects five years of consensus-building and investments by the LIREDC and our partners in state and local governments, businesses, not for profits, civic groups and other stakeholders. For all the progress, however, the numbers show that the region still needs intensive attention to job creation and other economic activity in our communities and companies. While the poverty rate on Long Island is substantially lower than that of the state, we have seen a significant increase between 2011 and 2013. In other words, we still have work to do. And we still need state assistance to be the job generating engine of growth to benefit all New Yorkers.

What the Numbers tell us...

The Long Island region had 1,239,488 jobs in 103,934 establishments in 2014. Since the inception of the LIREDC in 2011, jobs here have grown by 3.6 percent, slightly lower than growth statewide. Larger losses in government jobs compared to the state contributed to weaker job growth on Long Island.

The 3-year gain in the number of establishments on Long Island, 3.1 percent, trailed that of New York State. A large loss of firms in the information category held down overall growth. We hope that more current numbers will show a brighter picture.

The average annual wage in the region in 2014 was \$55,484, lower than the \$65,899 state average, which is inflated by the \$84,752 average wage in New York City. Excluding New York City, Long Island's average annual wage is 9.7 percent higher than that of the state.

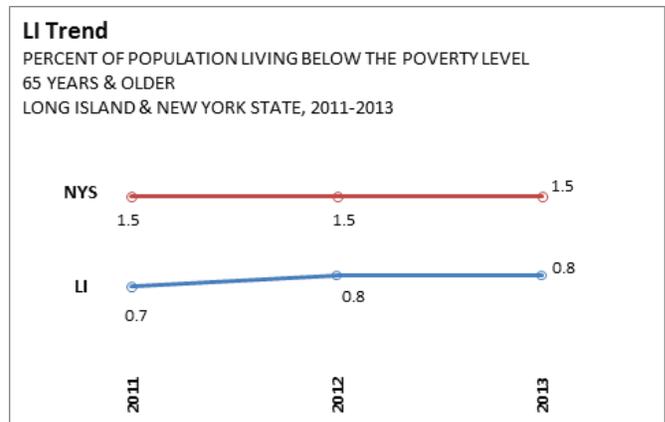
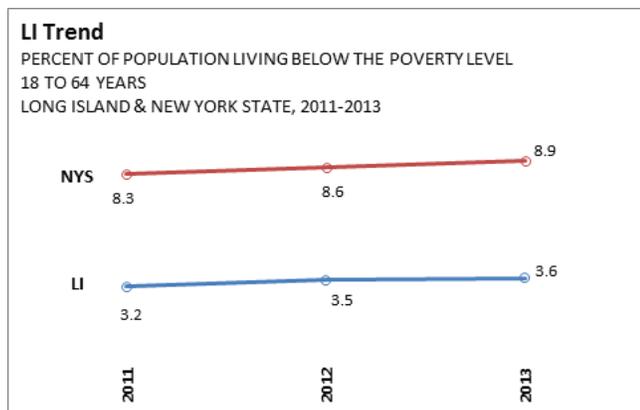
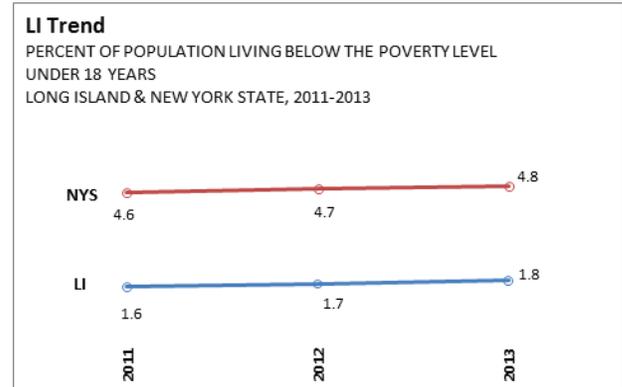
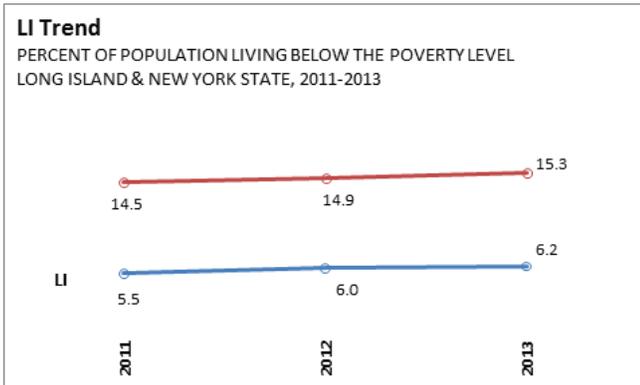


In 2014, on average, 73,400 people were unemployed in the region, nearly a third fewer than in 2011. Long Island's unemployment rate was 5.1 percent in 2014, substantially lower than the state (6.3 percent) and nation (5.6 percent). While much of this improvement was due to a reduction in the region's labor force, recent data have shown the number of employed individuals is on the rise.

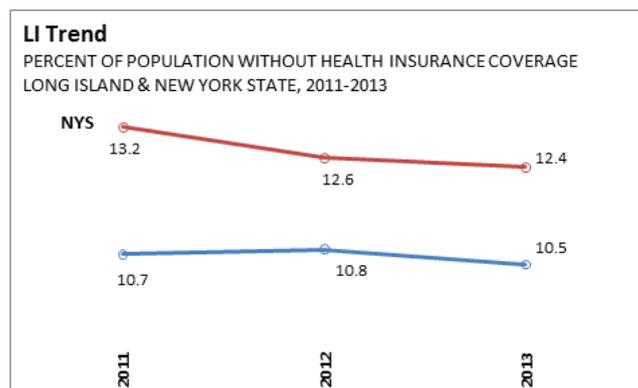
What the Numbers tell us...

Quality Of Life Indicators

Long Island has long prided itself on its exceptional quality of life. Long Island's poverty rate stood at 6.2 percent in 2013, compared to 15.3 percent in the state, although it has increased by 0.7 percentage points over two years and there are pockets of poverty, such as Wyandanch, our Opportunity Agenda area, that we are committed to uplifting.



As a result of the Affordable Care Act, fewer residents are lacking health insurance. In 2013, 10.5 percent of Long Island residents lacked health insurance, compared to 12.4 percent in the state. This was a slight decrease from 2011.



What the Numbers tell us...

In 2013, 77.5 percent of individuals in the region lived and worked in the same region, a slight decrease from 2012. However, the percentage of Long Island residents leaving New York State increased by 0.6 percentage points from 2011 to 2013 to 1.9 percent. Long Island's high cost of living, lack of affordable housing, and aging workforce could have led to the increased migration.

Regional Commutation for the Civilian Employed¹ New York State by Region 2012 and 2013 American Community Survey (ACS) 1-Year Estimates

| Long Island | |
|--|-----------|
| Civilian Employed 2012 ¹ | 1,353,364 |
| Live and Work in Same Region 2012 | 1,053,372 |
| % Live and Work in Same Region 2012 | 77.8% |
| Civilian Employed 2013 ¹ | 1,374,713 |
| Live and Work in Same Region 2013 | 1,065,813 |
| % Live and Work in Same Region 2013 | 77.5% |
| % Change in Civilian Employed 2012 to 2013 | 1.6% |
| % Change in Work and Live in Same Region from 2012 to 2013 | 1.2% |

¹ Excludes those who are employed but not at work. Prepared by NYS Department of Labor, Division of Research and Statistics. Source: 2012 and 2013 ACS Public Use Micro Sample (PUMS).

Migration for the Population Aged One and Over 2012 and 2013 American Community Survey (ACS) 1-Year Estimates New York State by Region

| Long Island | |
|--|-----------|
| Population, One Year and Over 2012 | 2,821,337 |
| Stayed in Same Region from 2011 to 2012 | 2,760,334 |
| % Stayed in Same Region from 2011 to 2012 | 97.8% |
| Left New York State in 2012 | 36,050 |
| % Left New York in 2012 | 1.3% |
| Population, One Year and Over 2013 | 2,824,359 |
| Stayed in Same Region from 2012 to 2013 | 2,764,332 |
| % Stayed in Same Region from 2012 to 2013 | 97.9% |
| Left New York State in 2013 | 52,721 |
| % Left New York State 2013 | 1.9% |
| % Change in New York State Leavers from 2012 to 2013 | 46.2% |

Prepared by NYS Department of Labor, Division of Research and Statistics. Source: 2012 and 2013 ACS Public Use Micro Sample (PUMS).

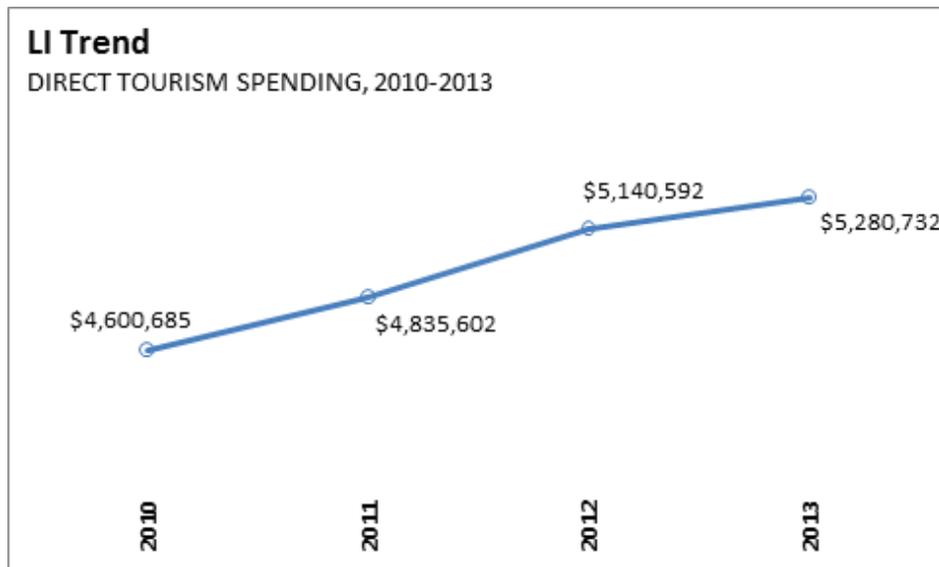
What the Numbers tell us...

**Annual Estimates of the Resident Population and Annual Change:
July 1, 2011 to July 1, 2014
2014 Population Estimates Program (PEP), U.S. Census Bureau
New York State by Region**

| Long Island | |
|------------------------------|-----------|
| 2011 Population | 2,847,637 |
| 2012 Population | 2,851,345 |
| Annual % Change 2011 to 2012 | 0.13% |
| 2013 Population | 2,858,052 |
| Annual % Change 2012 to 2013 | 0.24% |
| 2014 Population | 2,861,595 |
| Annual % Change 2013 to 2014 | 0.12% |

Prepared by NYS Department of Labor, Division of Research and Statistics. Source: 2014 (Vintage) PEP.

Tourism is a significant aspect of the region's economy and was highlighted as a priority last year in Round Four. Total tourism revenues on Long Island grew by 9.2 percent between 2011 and 2013 to nearly \$5.3 billion.



What the Numbers tell us...

Key Regional Indicators



Regional economic development partners are key to Long Island's success and help strengthen the workforce and development of small businesses in the region. In the last five years, the Small Business Development Centers at Farmingdale State University and Stony Brook University alone have assisted 11,288 small business clients. Through this assistance 2,331 jobs were created, 3,758 jobs were retained and \$269,578,783 was invested.

The LIREDC has made workforce development a priority and great strides have been made in this regard largely through these partnerships. For instance, just one of these partners, Stony Brook University, has helped 13 companies access Department of Labor employee training grants through Rounds Three and Four of the LIREDC. Over 1,700 employees in manufacturing companies on Long Island have benefitted from these grants and the companies have become more efficient and better suited for global competitiveness as a result of better trained employees.

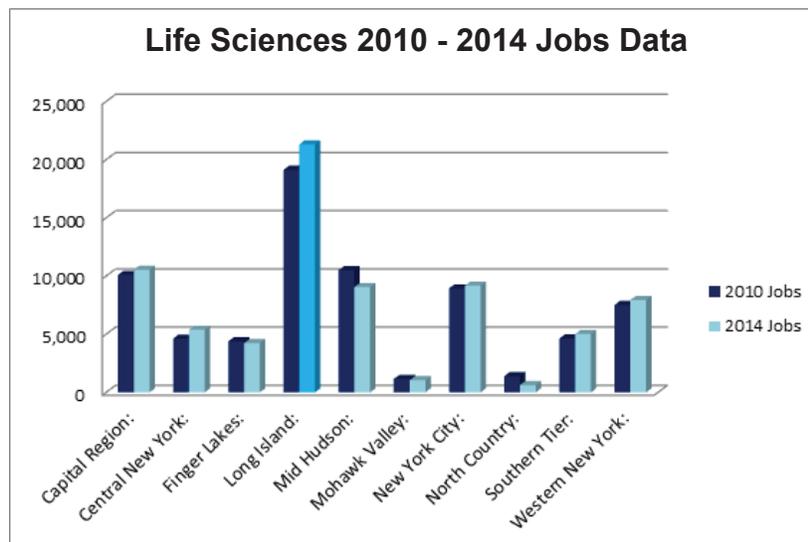
Five years ago the LIREDC recognized a key to the region's strength was its research institutions and that the region could leverage these institutions to commercialize new technologies. In Round One the LIREDC recommended funding for Accelerate Long Island – a unique regional collaboration between the region's research institutions. With the \$500,000 seed funding it received through the LIREDC, Accelerate LI assisted 9 startup tech companies.

Life Sciences Cluster- Regional Job Trends:

| Region | 2010 Jobs | 2014 Jobs | Change | % change | 2014 Average Earnings |
|-------------------|-----------|-----------|--------|----------|-----------------------|
| Capital Region: | 10,087 | 10,537 | 450 | 4% | \$ 110,033 |
| Central New York: | 4,615 | 5,376 | 761 | 16% | \$ 92,295 |
| Finger Lakes: | 4,385 | 4,236 | -149 | -3% | \$ 133,769 |
| Long Island: | 19,127 | 21,313 | 2,186 | 11% | \$ 76,500 |
| Mid Hudson: | 10,501 | 9,057 | -1,444 | -14% | \$ 218,666 |
| Mohawk Valley: | 1,153 | 1,049 | -104 | -9% | \$ 68,901 |
| New York City: | 8,937 | 9,170 | 197 | 2% | \$ 100,974 |
| North Country: | 1,392 | 622 | -770 | -55% | \$ 92,199 |
| Southern Tier: | 4,630 | 5,014 | 384 | 8% | \$ 98,393 |
| Western New York: | 7,509 | 7,936 | 427 | 6% | \$ 70,468 |

The data on life sciences and biotechnology underscores its enormous potential to create economic synergies based on the commercialization of cutting edge research. Although we expand on these strengths and trends elsewhere in this report, some examples are compelling: Long Island has more biotech jobs – more than 21,000 – and in the past five years has added more of them – nearly 2,200 – than any other region of the state, by far.

*Economic Modeling Specialist, Inc.



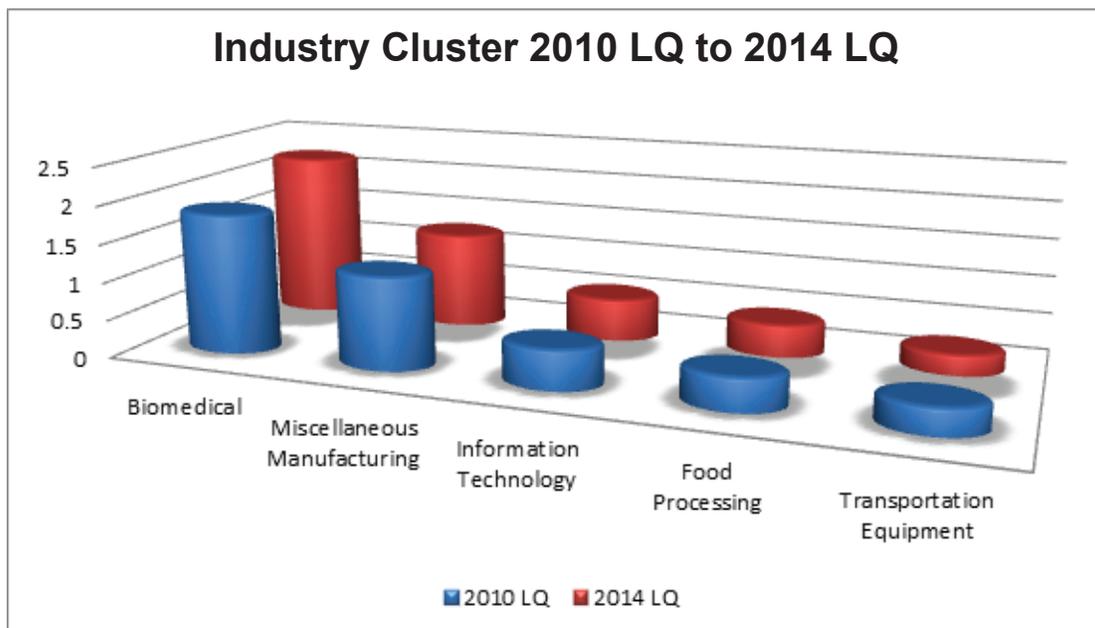
What the Numbers tell us...

Perhaps even more impressive, Long Island's biotech cluster scores far higher than any other sector on a measure of industry concentration that enables regional comparisons to the nation as a whole. LI biotech's 2.12 LQ* – or "location quotient" – means the economic value of our biotech initiatives is more than twice the national average. And it has been growing dramatically, up nearly 20 percent since 2010. At the same time, other sectors on Long Island have inched up negligibly or lost ground.

The following graphics tell the story powerfully:

| Industry Cluster Group | 2010 Jobs | 2010 LQ | 2014 LQ | Percent Change LQ |
|-----------------------------|-----------|---------|---------|-------------------|
| Biomedical | 10,998 | 1.85 | 2.22 | 20% |
| Miscellaneous Manufacturing | 4,469 | 1.23 | 1.28 | 4% |
| Information Technology | 9,498 | 0.53 | 0.57 | 8% |
| Food Processing | 6,525 | 0.44 | 0.44 | 0% |
| Transportation Equipment | 4,364 | 0.35 | 0.28 | -21% |

*EMSI Q1 2015 Data Set, www.economicmodeling.com



*Note: Locational Quotient or LQ is a means of comparing the economic power of a local industry sector to the national average, with 1.0 being the mean.

What the Numbers tell us...

AN ECONOMIC OUTLOOK FOR LONG ISLAND IN 2016

BY: JOHN RIZZO



What are Long Island's economic prospects for 2016? The good news is that Long Island's economy has shown a number of bright spots in 2015 that point to continued growth. But economic forecasts are always challenging. However, they may be informed by recent evidence and emerging events. So with that in mind, I will review the recent performance of key sectors of Long Island's economy and conclude by summarizing what to expect for 2016.

Employment. Perhaps the biggest story has been the labor market. Jobs have grown steadily, placing Nassau and Suffolk counties among the counties with the lowest unemployment rates in the state. Long Island's unemployment rate for June 2015 was 4.5 percent—the lowest since 2007. The number of people employed are at multi-year highs and the number unemployed at multi-year lows. And labor force participation has been on the rise as well, indicating that more people are looking for work rather than exiting the labor market. There have been particularly strong gains in construction, retail, and restaurant jobs. This is encouraging news for Long Island's real estate market and for consumer spending. Tempering this good news is sluggish wage growth, which has been a persistent feature of the economic recovery on Long Island and throughout the nation.

Business Conditions. While manufacturing has been sluggish, the outlook for small business overall has been considerably brighter. The National Federation of Independent Business' Small Business Optimism Index had been favorable for some time, and indicates that labor market conditions are capital spending plans are improving. This is significant for Long Island, where small businesses account for some 90 percent of establishments

Consumer Spending. Despite gains in jobs and evidence that consumer confidence is high, spending has been inconsistent. There seems to be a lack of conviction that may stem from the effects of the Great Recession, as well as uncertainty about global economic conditions that may adversely affect the US economy, including Long Island. Strong and sustained growth requires strong consumer spending, but the evidence suggests that this has been and will likely continue to be modest.

Real Estate Sector. Real estate has been sluggish for more than a year, but recent trends point to a reversal in this pattern. While year-over-year final sales dipped slightly by 3.1 percent in Nassau County in June, pending home sales rose by a very strong 26.2 percent. And pending home sales grew by 15 percent in Suffolk County. Home prices are also on the rise.

The Outlook for 2016. The Long Island economy appears to be picking up steam, and most factors point to moderate growth for 2016. The labor market has performed well, and one may anticipate that wage gains will start to intensify as continued hiring tightens the labor market. In addition, Long Island has a relatively well-educated populace that is suitable for higher paying professional, technical, and financial sector jobs. And with historically low mortgage interest rates and recent gains in sales, the real estate sector seems to have solidified and should perform reasonably well going forward.

But the psychology of the market on Long Island and throughout the nation remains delicate for a host of reasons. The effects of the Great Recession have left consumers and businesses more cautious. Uncertainty about economic conditions in the Euro zone and in China have adversely affected the stock market, further eroding consumer and business confidence. Concerns about when the Federal Reserve Bank will raise interest rates weighs heavily on investors' minds, exacerbating the air of uncertainty. Thus it seems likely that consumer spending will remain modest. And with consumer spending accounting for roughly two-thirds of the economy, this will have a restraining effect on growth. So while breakout growth levels for 2016 seem overly optimistic, GDP growth in the 2.0 – 2.5 percent range seems reasonable for Long Island, given the strength of the labor market and a recovering real estate sector.

John Rizzo is Chief Economist of the Long Island Association

What the Numbers tell us...

Status of Past Projects



Metrics matter. They have mattered to us since the beginning of the LIREDC's journey into job creation and community building. In every strategic plan – in considering every project for approval – we've been nothing short of obsessive about assessing the success of the region, sectors, communities, businesses and even the council itself. Knowing how we are doing – and not being afraid of what the numbers say – is essential to our ethos of excellence. It not only tells us how to do better but it is a sign of respect for taxpayers and their representatives, who ultimately provide the funds to do our work.



And we are proud of our work in bringing together the region behind an inclusive vision for growth. If a picture is worth 1,000 words, our numbers are worth billions (as in private investment leveraged), millions (in economically stimulating state assistance), thousands (as in jobs created) and hundreds (as in businesses, communities, and research, educational and other organizations that benefited). Our efforts have moved the dial in measureable ways and, we believe, matches up extremely well to other regions, especially suburbs in New York and beyond.



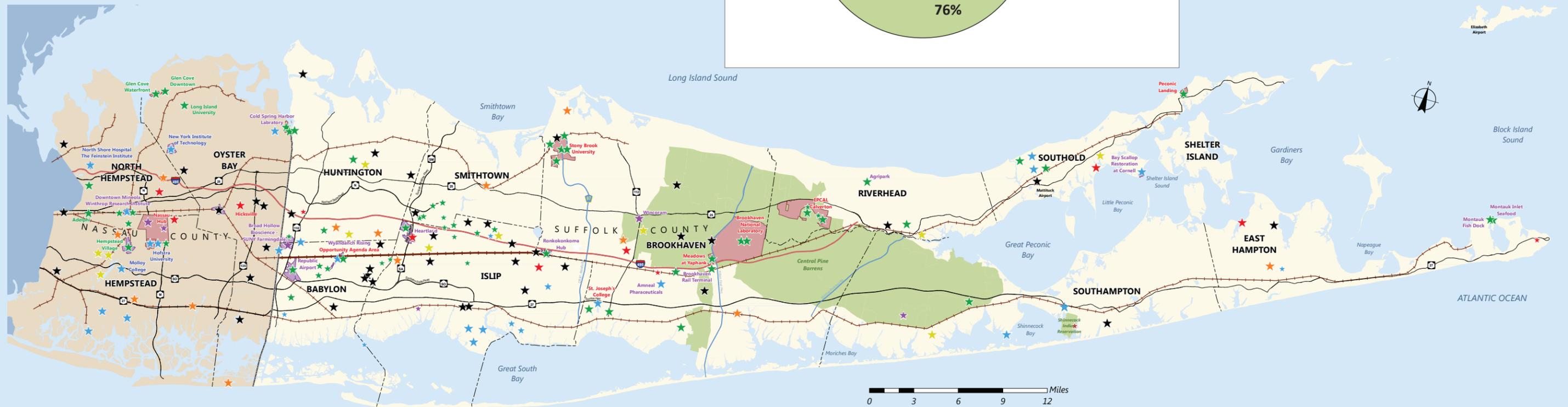
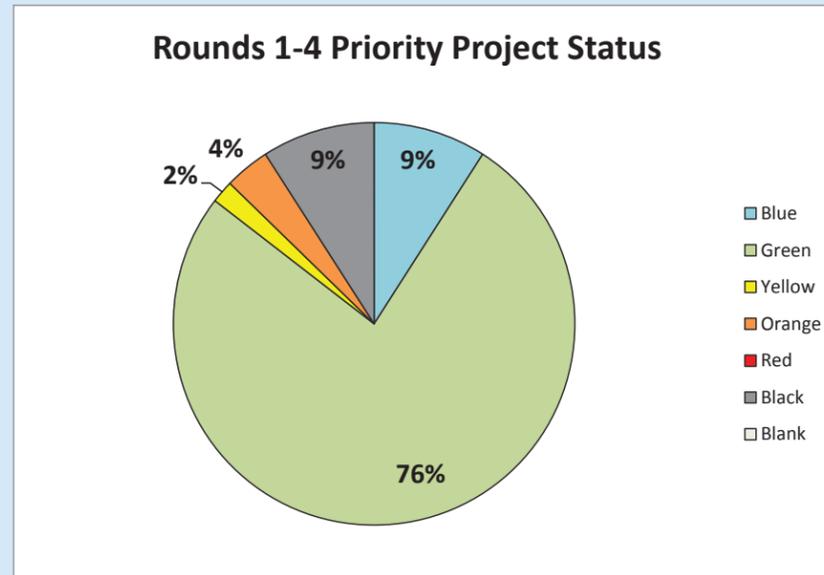
Most notable is the 85 percent of our projects that have been completed or are on schedule. The figure for our priority capital projects is even higher. That reflects solid recruiting, vetting and oversight on the part of the Council and especially the ESD staff, led by executive director Cara Longworth. Overall, LIREDC-awarded funding of \$326.2 has leveraged \$2.36 billion of private investment for 347 projects across many sectors.

Status of Past Priority Projects

85 % of
Projects Complete
or on Schedule

| Project Status Key: | |
|---------------------|--|
| Black: | Project canceled or funding declined |
| Blue: | Project is complete |
| Green: | Project is on schedule |
| Orange: | Project contract not yet executed |
| Yellow: | Project progressing more slowly than anticipated |

| Priority Projects Completed & on Schedule | | |
|---|--------------|------|
| Round 1 | 20 Projects | 75% |
| Round 2 | 24 Projects | 100% |
| Round 3 | 36 Projects | 89% |
| Round 4 | 30 Projects | 77% |
| Totals | 110 Projects | 85% |



| Round 1 20 Projects | |
|------------------------|---|
| Blue | 8 |
| Green | 7 |
| Yellow | 2 |
| Orange | 0 |
| Red | 0 |
| Black | 3 |

| Round 2 24 Projects | |
|------------------------|----|
| Blue | 2 |
| Green | 22 |
| Yellow | 0 |
| Orange | 0 |
| Red | 0 |
| Black | 0 |

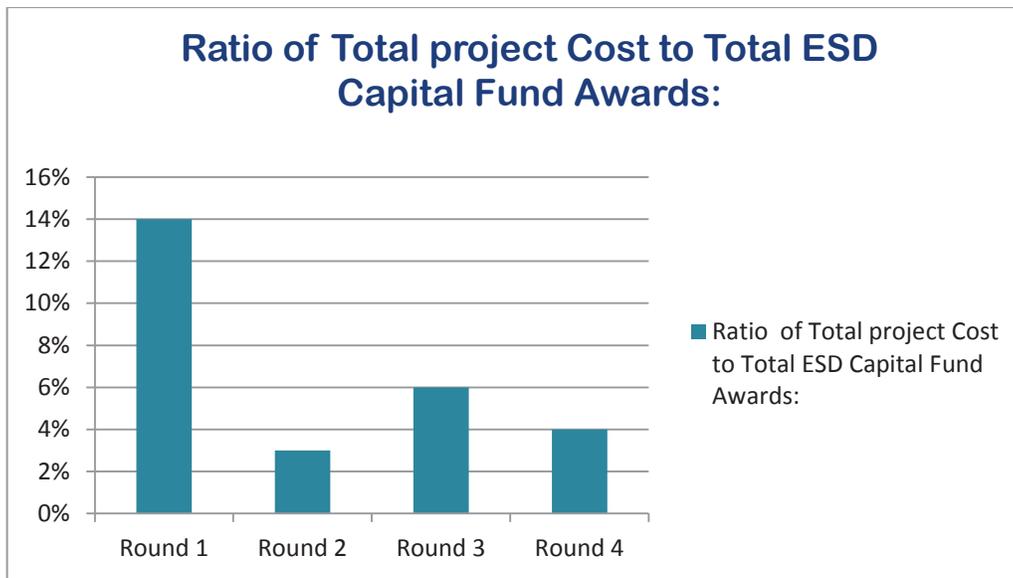
| Round 3 36 Projects | |
|------------------------|----|
| Blue | 0 |
| Green | 32 |
| Yellow | 0 |
| Orange | 0 |
| Red | 0 |
| Black | 4 |

| Round 4 30 projects | |
|------------------------|----|
| Blue | 0 |
| Green | 23 |
| Yellow | 0 |
| Orange | 4 |
| Red | 0 |
| Black | 3 |

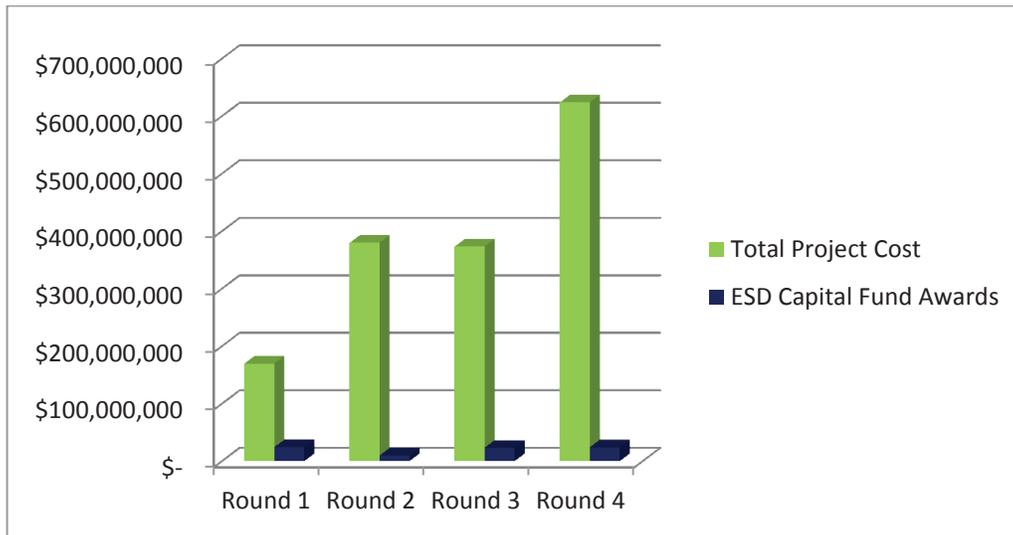
What the Numbers tell us...

Leverage of State Investment in Priority Projects

| Round: | Number of Priority Projects: | Total Project Cost | ESD Capital Fund Awards | Ratio of Total project Cost to Total ESD Capital Fund Awards: |
|---------|------------------------------|--------------------|-------------------------|---|
| Round 1 | 17 | \$ 170,176,902 | \$ 24,566,435 | 14% |
| Round 2 | 24 | \$ 380,033,545 | \$ 10,020,000 | 3% |
| Round 3 | 32 | \$ 373,747,045 | \$ 23,685,000 | 6% |
| Round 4 | 27 | \$ 624,302,914 | \$ 24,389,000 | 4% |



Total Project Cost and ESD Capital Fund Awards per Round:



What the Numbers tell us...

Aggregated Status of All Projects:

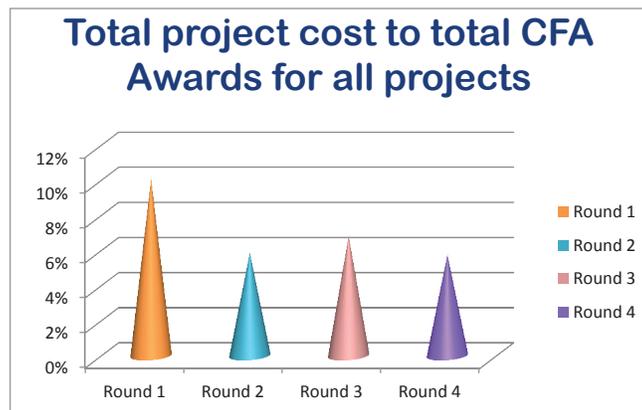
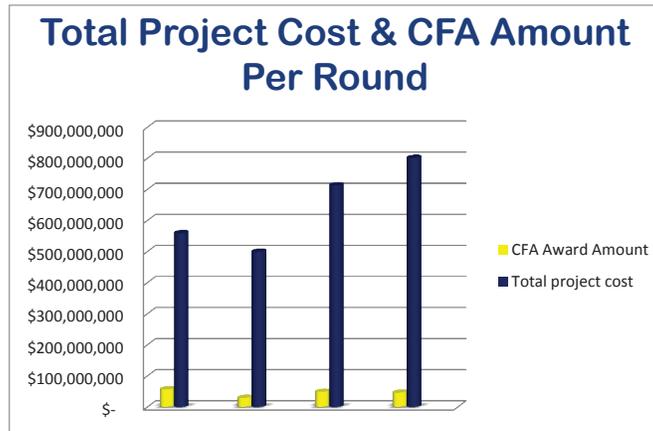
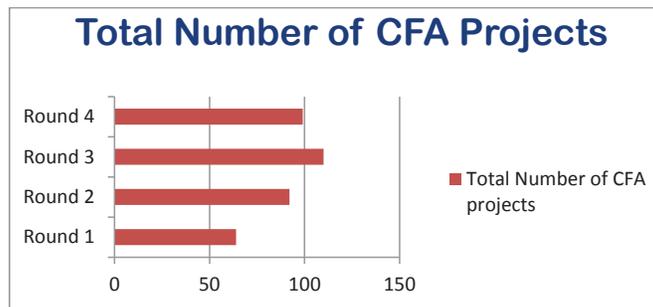
| | Project Status | 2011 | 2012 | 2013 | 2014 | Total | % of Projects |
|---|----------------------|-----------|-----------|------------|-----------|------------|---------------|
|  | Completed | 32 | 37 | 16 | 3 | 88 | 25% |
|  | On schedule | 14 | 38 | 64 | 71 | 187 | 54% |
|  | Contract In Progress | 0 | 0 | 5 | 11 | 16 | 5% |
|  | Delayed | 4 | 2 | 5 | 0 | 11 | 3% |
|  | Concerns | 1 | 1 | 1 | 0 | 3 | 1% |
| X | Terminated | 11 | 8 | 10 | 3 | 42 | 9% |
| | TOTALS | 62 | 86 | 101 | 88 | 337 | 100% |

*Does not include Excelsior

What the Numbers tell us...

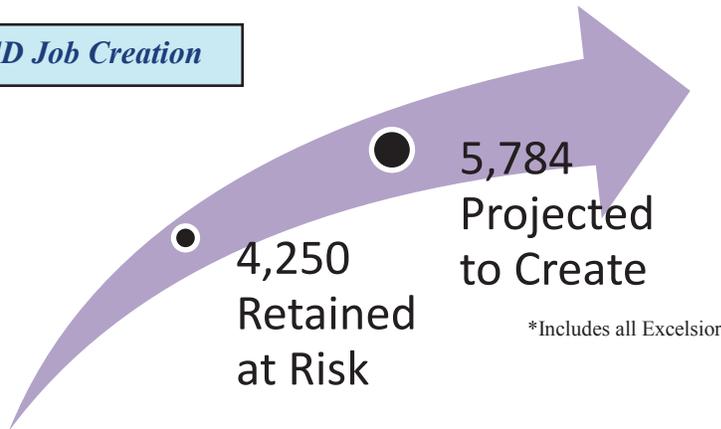
Leverage of State Investment in All CFA Projects:

| | Total Number of CFA projects | CFA Award Amount | Total project cost | Total project cost to total CFA awards for all projects |
|---------|------------------------------|------------------|--------------------|---|
| Round 1 | 64 | \$ 56,765,069 | \$ 559,338,257 | 10% |
| Round 2 | 92 | \$ 29,498,641 | \$ 499,553,804 | 6% |
| Round 3 | 110 | \$ 48,911,589 | \$ 712,608,621 | 7% |
| Round 4 | 99 | \$ 45,796,933 | \$ 789,671,351 | 6% |



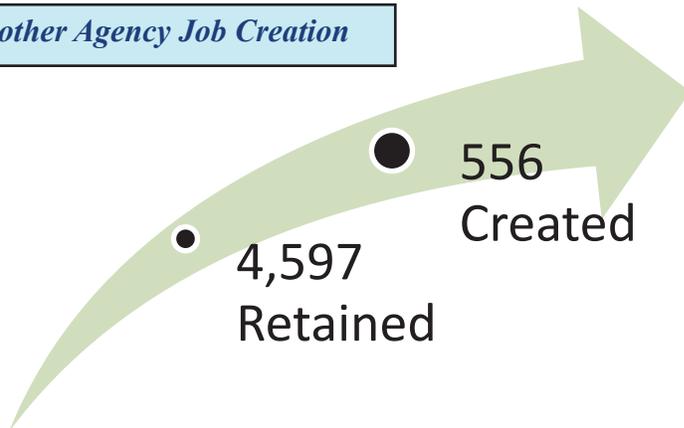
What the Numbers tell us...

ESD Job Creation



| | Round 1 | Round 2 | Round 3 | Round 4 |
|---------------------|---------|---------|---------|---------|
| Retained at Risk | 706 | 2507 | 550 | 487 |
| Projected to Create | 1064 | 1368 | 1101 | 2251 |

All other Agency Job Creation



| | Round 1 | Round 2 | Round 3 | Round 4 |
|----------|---------|---------|---------|---------|
| Retained | 520 | 1350 | 1522 | 1205 |
| Created | 89 | 285 | 24 | 158 |

What the Numbers tell us...

Priority Project Progress

| CFA Number | Applicant Name | Project Name | Project Status |
|--|---|--|----------------|
| Infrastructure Priority Projects Funded in 2011 (Round 1) | | | |
| 2432 | Heartland Associates/Heartland Town Square | Heartland Town Square/ Pilgrim State Site Capital | Green |
| 6294 | Amneal Pharmaceutical, LLC | Amneal Pharmaceutical Capital | Green |
| 7156 | Suffolk County Department of Public Works | Ronkonkoma Hub Sewage Treatment Plant | Green |
| 18170, 6400, 18140 | Incorporated Village of Hempstead | Inc'd. Village of Hempstead Capital - Phases I, II, III | Yellow |
| 4049 | Town of Babylon | Wyandanch Rising | Yellow |
| Infrastructure Priority Projects Funded in 2012 (Round 2) | | | |
| 12740 | FIL-COIL COMPANY INC | Fil-Coil Capital | Green |
| 15506 | Community Development Corp. of Long Island("CDCLI") | Wincoram Commons Capital | Green |
| 16007 | CITY OF GLEN COVE | City of Glen Cove Water Transmission System Improvements - Capital | Green |
| 16559 | Sheltair Farmingdale, LLC | Sheltair Farmingdale Capital | Green |
| 16850 | Town of Hempstead | Town of Hempstead - Elmont Improvements Capital | Green |
| 17211 | Broad Hollow Bioscience Park, Inc. | Broad Hollow Bioscience Park Capital | Green |
| 17277 | Trek Ronk Hub, LLC | Ronkonkoma Hub I Capital | Green |
| 17455 | Brookhaven Terminal Operations, LLC | Brookhaven Terminal Operations Capital | Green |
| 19075 | Town of Islip | Town of Islip Capital | Green |
| 19201 | H. F. Corwin and Sons Inc. | H. F. Corwin and Sons Capital | Green |
| 19867 | Nassau County | Nassau County HUB Capital | Green |
| 24677 | Trek Ronk Hub, LLC | Ronkonkoma Hub II Capital | Green |
| Infrastructure Priority Projects Funded in 2013 (Round 3) | | | |
| 27195 | TOWN OF RIVERHEAD | Town of Riverhead - EPCAL Capital | Green |
| 27289 | PECONIC LANDING | Peconic Landing Special Needs and Rehabilitation Center Capital | Green |
| 28332 | Rose Breslin Associates, LLC | Rose Breslin Capital | Green |
| 29041 | CITY OF GLEN COVE | Glen Cove Waterfront Connector Capital | Green |
| 30748 | GCVS LLC | Glen Cove Piazza Capital | Green |
| 30809 | Suffolk County Department of Public Works | Suffolk County Kings Park Sewers Capital | Green |
| 30882 | EBDK Research at Calverton LLC | EBDK Research at Calverton LLC | Green |
| 32035 | Town of Babylon | East Farmingdale Downtown Center Planning Capital | Green |
| 32378 | Nassau County | Nassau County HUB Plan Capital | Green |
| 32484 | Brookhaven National Laboratory | BNL Solar R&D Center Capital | Green |

What the Numbers tell us...

| <i>Infrastructure Priority Projects Funded in 2014 (Round 4)</i> | | | |
|--|---|--|--------|
| 40211 | Freeport Community Development Agency | Freeport Channel Crossing Electrical Improvements / Outage Management System | Black |
| 42468 | Lasticks Aerospace, Inc. | Manufacturing Expansion Project | Black |
| 39292 | Town of Southampton | Hampton Bays Downtown Revitalization Construction of Good Ground Park | Green |
| 39350 | Blumenfeld Development Group | Nassau Coliseum Sports and Entertainment District | Green |
| 41218 | South Nassau Communities Hospital | South Nassau Hospital Emergency Department Expansion | Green |
| 41798 | Town of Riverhead | Agri-tourism Visitors Center | Green |
| 42137 | Great Neck Water Pollution Control District | Grease Receiving Station | Green |
| 42835 | Nassau County, Department of Public Works | Beech Street Park Avenue Drainage Improvement Project | Green |
| 42843 | Nassau County, Department of Public Works | Countywide Stormwater Check Valves Flood Mitigation Project | Green |
| 42921 | Suffolk County | Reclaiming Our Water Improving Coastal Resiliency with Sewer Infrastructure | Green |
| 43130 | American Pride Fasteners | Manufacturing Expansion Project | Green |
| 43497 | Ancon Gear & Instruments Corp. | Manufacturing Expansion Project | Green |
| 39652 | Incorporated Village of Patchogue | Patchogue Structured Parking Design | Orange |
| 39797 | Town of Huntington | James D Conte Community Center | Green |
| 40800 | Rose Breslin Associates, LLC | The Meadows at Yaphank Phase II | Orange |
| <i>Innovation Priority Projects Funded in 2011 (Round 1)</i> | | | |
| 4670 | STONY BROOK UNIVERSITY | LI Community Engagement for STEM Education and Careers Capital | Black |
| 5661 | Canrock Ventures, LLC | Canrock Ventures Thought Box Capital | Black |
| 7441 | Brookhaven National Laboratory | Smart Grid 3 EDPF Capital | Blue |
| 8117 | STONY BROOK UNIVERSITY | ENGINE - Stony Brook Capital | Blue |
| 5322 | Cold Spring Harbor Laboratory | Cold Spring Harbor Lab Capital | Green |
| 8115 | Accelerate Long Island, Inc. | Accelerate Long Island Working Capital | Green |
| <i>Innovation Priority Projects Funded in 2012 (Round 2)</i> | | | |
| 17885 | Winthrop University Hospital | Winthrop Research Institute - Capital | Blue |
| 18527 | STONY BROOK UNIVERSITY | Stony Brook University- Center for Biomedicine Capital | Green |

What the Numbers tell us...

| <i>Innovation Priority Projects Funded in 2013 (Round 3)</i> | | | |
|---|---|--|-------|
| 28391 | Maloya Laser, Inc. | Mayola Laser Capital | Black |
| 32557 | TNS Aerospace, Inc. | TNS Aerospace Capital | Black |
| 28600 | STONY BROOK UNIVERSITY | Innovation and Discovery Facility Capital | Green |
| 29534 | Cold Spring Harbor Laboratory | Therapeutics Discovery Center Capital | Green |
| 31123 | Long Island Compost Corp. | LI Compost Anaerobic Digester Capital | Green |
| 31430 | Long Island Testing Laboratories, Inc. | Long Island Testing Laboratories Capital | Green |
| <i>Innovation Priority Projects Funded in 2014 (Round 4)</i> | | | |
| 40500 | Hofstra University | Establish STEM Education Center | Green |
| 41240 | Molloy College | Center for Environmental Research and Coastal Oceans Monitoring | Green |
| 41275 | Long Island University | LIU Research, Innovation and Technology Park | Green |
| 42553 | Cold Spring Harbor Laboratory | Establish Center for Metabolomics | Green |
| 43055 | Stony Brook University | Center of Excellence for Infrastructure and Energy Cybersecurity | Green |
| 40305 | Adelphi University | Nursing Innovation Lab and Training Center | Green |
| <i>Natural Assets Priority Projects Funded in 2011 (Round 1)</i> | | | |
| 7750 | Cornell Cooperative Extension of Suffolk County | Cornell Cooperative Extension of Suffolk County Capital | Blue |
| 7895 | Long Island Farm Bureau | Greens and Grapes | Blue |
| <i>Natural Assets Priority Projects Funded in 2012 (Round 2)</i> | | | |
| 12867 | Satur Farms LLC | Satur Farms Capital | Blue |
| 15641 | Montauk Inlet Seafood, Inc. | Montauk Inlet Seafood Capital | Green |
| 16372 | Montauk Fish Dock, Inc. | Montauk Fish Dock Capital | Green |
| <i>Natural Assets Priority Projects Funded in 2013 (Round 3)</i> | | | |
| 26616 | L and G Fisheries LLC | L and G Fisheries LLC | Green |
| 27121 | Cor J. Seafood Enterprise, Inc. | Cor J. Seafood Enterprise Capital | Green |
| 30903 | Martin Sidor Farms, Inc. | Martin Sidor Capital | Green |
| 30982 | Browder's Birds, LLC | Browder's Birds Capital | Green |
| <i>Natural Assets Priority Projects Funded in 2014 (Round 4)</i> | | | |
| 42301 | Peconic Land Trust, Incorporated | Agriculture Capital Equipment Grant Program | Green |
| <i>Opportunity Agenda Priority Projects Funded in 2012 (Round 2)</i> | | | |
| 15892 | Town of Babylon | Wyandanch Rising - Phase 2 Capital | Green |

What the Numbers tell us...

| Opportunity Agenda Priority Projects Funded in 2013 (Round 3) | | | |
|---|---|--|--------|
| 31820 | Stony Brook University, LI High Tech Incubator | Workforce Intelligence Pilot | Black |
| 26392 | Town of Babylon | Wyandanch Rising Phase 3 Capital | Green |
| 30155 | Suffolk County Community College | SCCC Wyandanch Opportunity Agenda Working Capital | Green |
| 30804 | Suffolk County Community College | Suffolk County Community College | Green |
| 31820 | LONG ISLAND HIGH TECHNOLOGY INCUBATOR, INC. | Stony Brook University Wyandanch Capital | Green |
| Opportunity Agenda Priority Projects Funded in 2014 (Round 4) | | | |
| 40329 | Albanese Development Corporation | Wyandanch Rising Building C | Green |
| 41155 | Town of Babylon | Wyandanch Rising: Streetscape Enhancements and Long Island Music Hall of Fame Museum | Green |
| 42132 | Suffolk County Department of Economic Development & Planning | Wyandanch Rising STEaM Center Phase II Design and Construction | Orange |
| 38995 | Suffolk County Community College | Workforce Development Initiative | Black |
| Path Through History Priority Projects Funded in 2013 (Round 3) | | | |
| 23953 | Heckscher Museum of Art SIP | Heckscher Museum Capital | Green |
| 27389 | Altitude Express, Inc. | SkyDive Long Island Capital | Green |
| Workforce and Education Priority Projects Funded in 2011 (Round 1) | | | |
| 7062 | North Shore Long Island Jewish Health System | NSLIJ Next Generation Healthcare Workers Capital | Black |
| 6697 | Brookhaven National Laboratory | Long Island STEM Hub Working Capital | Blue |
| 8309 | New York Institute of Technology | NY Institute of Technology Capital | Blue |
| 8552 | The Research Foundation for SUNY on behalf of Farmingdale State College | Farmingdale State College STEM Diversity Roundtable and Ctr Working Capital | Blue |
| 18141 | HOFSTRA UNIVERSITY | ENGINE - Hofstra University Capital | Blue |
| 3826 | Town of Hempstead Department of Occupational Resources | Long Island Business and Workforce Investment Working Capital | Green |
| 6162 | LONG ISLAND FORUM TECHNOLOGY | Advance Manufacturing Composites Training | Green |
| Workforce and Education Priority Projects Funded in 2012 (Round 2) | | | |
| 13796 | HOFSTRA UNIVERSITY | Hofstra North Shore LIJ School of Medicine Capital | Blue |
| 14831 | JM Haley Corporation | JM Haley Capital | Green |
| 16478 | QUALITY KING | Quality King Capital | Green |
| 17515 | Molloy College | Molloy College - Center for Nursing Excellence Capital | Green |
| 18509 | New York Institute of Technology | NYIT Capital | Green |
| 18823 | The Research Foundation for SUNY on behalf of Farmingdale State College | Farmingdale State College Capital | Green |

What the Numbers tell us...

| <i>Workforce and Education Priority Projects Funded in 2013 (Round 3)</i> | | | |
|---|--|--|-------|
| 26728 | School-Business Partnership of Long Island, Inc. | LI Robotics Program Capital | Black |
| 27180 | Tangent Machine & Tool Corp. | Tangent Machine & Tool Capital | Green |
| 27601 | HOFSTRA UNIVERSITY | Hofstra University Labs Capital II | Green |
| 28451 | STONY BROOK UNIVERSITY | Stony Brook University High Performance Computing Capital | Green |
| 28560 | ST. JOSEPH'S COLLEGE NY | St. Josephs College HTM Capital | Green |
| 28594 | Stony Brook University | Stony Brook University Small Business Development Center Capital | Green |
| 29409 | HOFSTRA UNIVERSITY | Hofstra University Labs Capital I | Green |
| 24626 | AMETEK HUGHES TREITLER | Ametek Hughes Treitler Capital | Green |
| 29658 | AIR TECHNIQUES INC. | Air Techniques Capital | Green |
| <i>Workforce and Education Priority Projects Funded in 2014 (Round 4)</i> | | | |
| 38596 | Elite Manufacturing Technologies, LLC | EMT Expansion | Green |
| 39951 | St. Joseph's College | Expanding Opportunities for Nursing and Veterans | Green |
| 40853 | Rising Sun Woodworking | CNC Machine Purchase | Green |
| 42549 | New York Institute of Technology | INNOVATION CONTINUUM High School to College to Workforce | Green |



Long Island Regional Economic Development Council



What the Numbers tell us...

Detailed List of Projects Delayed or Terminated

| CFA Number | Round Number | Round Year | Project Name | CFA Award Amount | Project Status | Reason for Termination |
|----------------------|--------------|------------|--|------------------|----------------|---|
| DOL Projects: | | | | | | |
| 5409 | Round 1 | 2011 | Meopta U.S.A, Inc. - Worker Skills Upgrading | \$ 50,000 | Black | Applicant denied award. |
| 6371 | Round 1 | 2011 | Mikim Industries, Inc. - Worker Skills Upgrading | \$ 24,600 | Black | Contract is being rescinded. |
| 7072 | Round 1 | 2011 | North Shore- Long Island Jewish Health System Inc. - Worker Skills Upgrading | \$ 50,000 | Black | Applicant failed to enter into contract. |
| 7696 | Round 1 | 2011 | Eastern Energy Systems Inc. - Worker Skills Upgrading | \$ 11,270 | Black | Applicant changed their training, but that was not in compliance with the RFP, so the funding was rescinded. |
| 7856 | Round 1 | 2011 | Source Electronic Components Inc. - Worker Skills Upgrading | \$ 46,410 | Black | Applicant declined the award. |
| 15792 | Round 2 | 2012 | South Nassau Communities Hospital - New Hire/OJT Training | \$ 40,000 | Black | Applicant declined the award. |
| 16812 | Round 2 | 2012 | Episcopal Health Services Inc. dba St. John's Episcopal Hospital - New Hire/OJT Training | \$ 50,000 | Black | Applicant declined the grant. They did not fully understand the grant parameters, and did not want to focus on hiring the long-term unemployed. |
| 18920 | Round 2 | 2012 | Community Care Companions Inc. dba Community Care Home Health Services - New Hire/OJT Training | \$ 55,000 | Black | Applicant declined the award. |
| 19442 | Round 2 | 2012 | Oldcastle APG, Inc. - Existing Employee Training | \$ 49,950 | Black | 5/8: Work began on 4/20/13, and is expected to be finished by 5/18/2013. 12/5/2014: Contract closed out. |
| 19813 | Round 2 | 2012 | Rolling Frito-Lay Sales, LP - Existing Employee Training | \$ 100,000 | Black | 4/25: Contract was reported as closed. |
| 29102 | Round 3 | 2013 | B&R Industries Inc. - CNC Machine and Operations Training | \$ 15,000 | Black | Applicant decline the award, they are not able to hire anyone, due to economic conditions. |
| 31430 | Round 3 | 2013 | LIT Labs Inc. dba Long Island Testing Laboratories Inc. -Non-Destructive Testing Training | \$ 15,000 | Black | Applicant did not move forward, project terminated. |
| 31432 | Round 3 | 2013 | Cable Management Solutions Inc. dba Snake Tray - Process Improvement and Operations Training | \$ 50,000 | Black | Applicant did not move forward, project terminated. |
| 31434 | Round 3 | 2013 | Javin Machine Corp. - Lean Manufacturing and ISO Quality Management Training | \$ 42,810 | Black | Applicant did not move forward, project terminated. |
| 31459 | Round 3 | 2013 | MPI Consulting Inc. dba Wal Machine - Operations and Quality Management Training | \$ 69,300 | Black | Applicant did not move forward, project terminated. |
| 17720 | Round 2 | 2012 | Flagpoles, Incorporated - New Hire/OJT Training | \$ 12,000 | Red | Applicant unresponsive, project may be terminated. |
| 26163 | Round 3 | 2013 | Chembio Diagnostic Systems Inc. - Lean Manufacturing and Operations Training | \$ 100,000 | Yellow | Applicant unresponsive, project delayed. |
| 27178 | Round 3 | 2013 | Energy Efficient Solutions Inc. - CNC Machine and Operations Training | \$ 61,500 | Yellow | Applicant finalizing their finances for new hires, project delayed. |
| 30065 | Round 3 | 2013 | Precare Corp. dba Premier Care Industries - Operational Skills Training | \$ 61,572 | Yellow | Applicant developing plan, project delayed. |
| 30230 | Round 3 | 2013 | AL Energy Solutions LED LLC - Metal Fabrication and Software Training | \$ 89,775 | Yellow | Applicant unresponsive, project delayed. |
| EFC Projects: | | | | | | |
| 17321 | Round 2 | 2012 | Village of Greenport Water Quality Improvements | \$ 287,801 | yellow | Project delayed, EFC is awaiting amended plans and specs and final wetland permits for the project. Construction is anticipated to begin fall 2015. |

What the Numbers tell us...

Detailed List of Projects Delayed or Terminated

| CFA Number | Round Number | Round Year | Project Name | CFA Award Amount | Project Status | Reason for Termination |
|----------------------|--------------|------------|--|------------------|----------------|---|
| ESD Projects: | | | | | | |
| 4670 | Round 1 | 2011 | LI Community Engagement for STEM Education and Careers Capital | \$ 350,000 | Black | Applicant denied award. |
| 5661 | Round 1 | 2011 | Canrock Ventures Thought Box Capital | \$3,000,000 | Black | Both awards were terminated when Applicant relocated and changed project beyond scope of award. |
| 7062 | Round 1 | 2011 | NSLIJ Next Generation Healthcare Workers Capital | \$ 30,000 | Black | Applicant declined ESD award since project funded with DOL. |
| 26728 | Round 3 | 2013 | LI Robotics Program Capital | \$ 48,990 | Black | Applicant declined the award. |
| 28391 | Round 3 | 2013 | Mayola Laser Capital | \$ 150,000 | Black | Applicant declined the award. |
| 32557 | Round 3 | 2013 | TNS Aerospace Capital | \$ 200,000 | Black | Applicant declined the award. |
| 38995 | Round 4 | 2014 | Suffolk County Community College | \$ 236,000 | Black | Applicant declined award, unable to secure matching funds. |
| 40211 | Round 4 | 2014 | Freeport Community Development Agency | \$ 325,000 | Black | Applicant declined the award. |
| 42468 | Round 4 | 2014 | Lasticks Aerospace, Inc. | \$ 50,000 | Black | Applicant declined the award. |
| 6400 | Round 1 | 2011 | Inc'd. Village of Hempstead Capital-Phase I | \$5,000,000 | Yellow | Applicant attempting to secure matching funds, project delayed. |
| 7156 | Round 1 | 2011 | Ronkonkoma Hub Sewage Treatment Plant | \$4,000,000 | Yellow | Project is on hold pending Article 78 proceeding in Suffolk Supreme Court . |

*Does not include Excelsior

| CFA Number | Round Number | Round Year | Project Name | CFA Award Amount | Project Status | Reason for Termination |
|----------------------|--------------|------------|-------------------------|------------------|----------------|---|
| HCR Projects: | | | | | | |
| 32345 | Round 3 | 2013 | WCDC Affordable Housing | \$ 150,000 | yellow | Environmental review incomplete, waiting for paperwork. |

| CFA Number | Round Number | Round Year | Project Name | CFA Award Amount | Project Status | Reason for Termination |
|--------------------------|--------------|------------|---|------------------|----------------|---|
| NYSERDA Projects: | | | | | | |
| 31134 | Round 3 | 2013 | CNG Stations For Refuse Trucks On Long Island | \$1,000,000 | Red | Project delayed, award in process of renegotiation. |

| CFA Number | Round Number | Round Year | Project Name | CFA Award Amount | Project Status | Reason for Termination |
|------------------------|--------------|------------|---|------------------|----------------|--|
| Parks Projects: | | | | | | |
| 3153 | Round 1 | 2011 | Polo Stable Restoration | \$ 400,000 | Black | Applicant denied award. |
| 3345 | Round 1 | 2011 | Ships Hole Farm | \$ 400,000 | Black | Applicant denied award. |
| 17619 | Round 2 | 2012 | Thomas Moran Studio House Restoration | \$ 477,500 | Black | Applicant declined the award. |
| 18379 | Round 2 | 2012 | Gateway Park Improvement at 12 Academy Place Huntington Station | \$ 370,000 | Yellow | Applicant working on aspects of the project not covered under the grant. |

Part Three: IMPLEMENTATION



We couldn't succeed without our Work Groups. These volunteer experts are passionately committed to their communities, sectors, institutions and professions – and to the notion of “giving back” through the hours and resources they devote to our mission. This year there are eight Work Groups, reflecting the full spectrum of our strategies and stakeholders, and each met a number of times and were strongly and enthusiastically attended. It is from these exchanges of ideas and information, of leads and contacts, that some of our most compelling strategies and collaborations have grown. Of all the Work Group tasks, the most important is the creation of our implementation reports, which chart our progress to date and our proposals for the coming year. What follows is their reports, beginning with our *marque* section detailing our new biotech cluster strategy.

Innovation & Industry Clusters



Key Strategy: *Identify and support industry clusters, especially biotechnology, that possess the potential to bring together researchers, educators, investors, manufacturers and others in a collaborative effort to accelerate the commercialization of technical and scientific discovery and generate jobs at every rung of the employment ladder.*

Long Island: A Center of Bio-Innovation

When Governor Cuomo tasked each of the state's regional economic development councils this year to focus on a single industry cluster, Long Island's REDC faced a difficult decision – even if, in the end, the choice was obvious. Difficult, because the LIREDC has pursued a cluster approach since its creation five years ago and has not played favorites among our successful sectors. But obvious, because the Council has thrown more and more of its support behind Long Island research institutions and businesses pursuing innovative initiatives in biotechnology, an employment sector already with more than 21,000 jobs – the highest such concentration in the state. In fact, at our behest, ESD has invested nearly \$27 million in Long Island life-science collaborations and individual enterprises since 2011. Those funds have leveraged just under \$400 million in public and private spending at world renowned institutions, such as Brookhaven National Lab, Cold Spring Harbor Labs, the Feinstein Institute at North Shore-Long Island Jewish Health System, and others that on their own are clusters of innovation. Thus, we have developed a new Key Strategy, above, to reflect this round's intensive concentration on clusters and biotech. We also are introducing subordinate strategies, below, that will further refine our related plan of action.

"...the Council has thrown more and more of its support behind Long Island research institutions and businesses pursuing innovative initiatives in biotechnology, an employment sector already with more than 21,000 jobs – the highest such concentration in the state."

Economists emphasize that clusters reach across traditional industry boundaries and rest on a multiplicity of resources. When it comes to biotech, only a few regions in the nation match Long Island's breadth and depth of institutional and industrial assets. “From bench to bedside – and beyond,” as our researchers and executives in this broad sector like to say, Long Island already is a major industry player in therapeutics and diagnostics, nutraceuticals, cosmeceuticals, medical instruments and devices (including bioimaging), biomedical informatics (including big data and 3D visualization), and health information technologies.

WHAT WE'RE DOING ...



ROBERT KOZLOWSKI
LNK International, Inc.

Long Island is home to one of the nation's largest manufacturers of solid dose, over-the-counter (OTC) pharmaceuticals companies, LNK International, Inc. For over 30 years, LNK has built a reputation for delivering the highest quality products, outstanding service and product innovation.

From LNK's lab chemists who consistently test every batch of product, to the company's manufacturing workers and customer service reps, LNK's Chief Financial Officer Robert Kozlowski believes it's the highly skilled and educated workforce of Long Island who make this region a booming area for bioinnovation.

"The reason biotech works on Long Island is the people. There is ready access to a highly trained labor force that lives locally," said Kozlowski. "The public and private university system on Long Island provides a continuous influx of graduates trained in those areas necessary to help Biotech thrive here. Additionally, New York State and Suffolk County continually provide programs and incentives to aid in the growth of Biotech on Long Island and it is apparent that it is paying big dividends, as evidenced by our success."

A homegrown Long Island company located in Hauppauge, LNK has been aggressively courted to relocate operations to other states. However, at a time when their competitors are outsourcing and offshoring, LNK is rejecting overtures from other states and remains dedicated to staying on Long Island, given the unique State and County cost saving incentive packages and access to biotech personnel.



The region has everything necessary for a vibrant biotech cluster – the world-class scientists to discover and invent, the entrepreneurs and investors to develop products, the well-educated workforce to populate the varied workplaces, and the successful enterprises to create profits and jobs for people at all skill

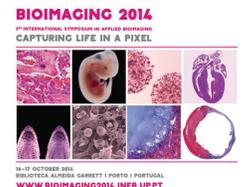
levels. That's why Sloan Kettering is opening a cancer treatment and research center on five acres of the sprawling parking lot at the Nassau Hub. That's why we believe other major biotech players may be attracted to transform the under-performing site, which is a stone's throw from the Hofstra/North Shore-LIJ School of Medicine. And make no doubt about it, Long Island's three million people and the region's relative prosperity make a powerful consumer market for biotech products and services. We see potential for synergies – for partnerships producing more than the sum of their individual parts – and the vision is incredibly exciting for Long Island. Since we hope to seek relationships with biotech enterprises throughout the state, we see our successes as a benefit to the entire state.

But we are not putting all our economic eggs in one basket, as they say. When the national defense industry restructured itself two decades ago, and over 100,000 Long Islanders lost their jobs, our region learned not to rely on one major sector with a narrow focus. The diversity of our broadly defined biotechnology cluster, with opportunities for so many allied institutions and businesses and workers with such a variety of skills, will protect the region against a repeat of that devastating experience. Simultaneously, the strong ties of the biotechnology cluster with allied industries will foster reciprocal growth in those sectors:



- Medical devices and instrumentation with our defense legacy of excellence in micro- and nano-electronics and embedded systems

- Bioimaging, biomedical informatics and health information systems with our formidable strength in software, hardware and mobile technologies



- Drugs and diagnostics interactions with information technology and advanced materials, as well as fisheries and agriculture for feed stocks and environmental preservation through biologic-based nitrogen removal from water supplies

WHAT WE'RE DOING ...



ABRAM HANDLY-SANTANA Cold Spring Harbor Labs

For all those with questions about how to attract well-educated young people to Long Island, instead of exporting them around the country, Abram Handly-Santana embodies the answer: Give them something spectacular to do in a stunning setting and let chemistry – literally – do the rest.

"When I moved to Cold Spring Harbor Laboratory, I wasn't quite sure how I would adjust to my new life," said Abram at the campus overlooking the harbor. "I had never lived more than an hour from where I was born in California. But I spent the summer working in Lloyd Trotman's lab studying prostate cancer after which I began my coursework at the Watson School covering a broad array of topics from neuroscience to quantitative biology. I met with professors to discuss and brainstorm my various projects and gained immense appreciation for the welcoming disposition towards collaboration and diversity on campus."

It's the culture of collaboration and encouragement that is at the heart of Long Island's approach to nurturing a biotech cluster. "In some institutions it's become a 'dog eat dog world' with fierce competition brewing just down the hallway," said Abram. "Cold Spring Harbor's non-hierarchical atmosphere is perfect for students to grow and prosper in."

The value of a Long Island biotech cluster for bright and ambitious researchers is that the walls of their lab won't end on one campus. Because of partnerships encouraged by the LIREDC, Abram may work with researchers at other world-class institutions. The possibilities are endless. "Right now I'm focused on becoming a better scientist," said Abram. "I believe gaining a mastery of the basics can lead to a big discovery down the road."

Strategies:



Recruit a "Big Dog." Long Island's selection of biotechnology is singularly and obsessively focused on job creation. From the manufacturing tech on the production floor to the PhD in the lab, it is all about jobs. Our plan is to nurture the hundreds of Long Island biotech firms but also to attract the "big dogs" that garner national attention to this region. For the first time in decades the region boasts

available world class biotech space which is ready to be filled. From a near 20 acre green field site at Farmingdale State College to the 75 acres of available land at the Nassau HUB and The Ronkonkoma HUB – we have incredibly desirable sites for build-to-suits. The availability of sites coupled with tools like StartUp NY (see sidebar in this section) will drive our strategy to attract a major pharma company to Long Island.

This strategy centers on utilizing globally recognized Long Island leaders like Dr. Bruce Stillman of Cold Spring Harbor Labs and Dr. Kevin Tracy of the Feinstein



Institute for Medical Research to call upon large pharma company CEOs and make a strong case for this region. This strategy will leverage not only our research assets but our leading researchers to help recruit that "big dog". This recruitment effort is a true private and public partnership and ESD has retained an international industrial real estate broker to support the downstate StartUp NY program, providing a great opportunity to market the Broad Hollow Bioscience Park's showplace building (over 100,000 square feet). The broker could also identify large clients for the vacant land at Broad Hollow (18 acres) and in the Stony Brook R&D Park (50 acres). At one stroke, the relocation of a major company will elevate the image of Long Island in the biotech industry.



Grow our own. Long Island's biotechnology industry has achieved its current level through internal growth – the research institutions have created dozens of companies – and it will increase

these efforts. More than 47 new companies were started from LI's academic research community over the last three decades, including Collagenex (bought by Galderma), ICOS Corp (700 employees), Geron (175), PathoGenesis (283), and Pharmacopeia (169), to name just a few. Collectively, they represent thousands of jobs, hundreds of millions of dollars in revenue and multi-billion dollar valuations. These companies also highlight another challenge – retaining our successfully incubated and accelerated enterprises so the jobs stay on Long Island. Every one of these potential job generators left our region. So we know that we must work with local business leaders and officials to help bring down the cost of taxes, energy, traffic congestion and other unappealing aspects of life on Long Island.



WHAT WE'RE DOING ...



No question, it takes entrepreneurs to start companies. Long Island is chock full of knowledgeable, experienced industry executives seeking new opportunities. These prospective entrepreneurs will be solicited and supported by the NYS biotech CAT, LI Bioscience Hub, SBU I-Corps Site and a separate, bio-only edition of the annual Innovation Boot Camp. Through trade groups, Centers of Excellence and other media, allied industries will be informed about biotechnology opportunities. A Long Island High Technology Incubator capital project will upgrade and expand wetlab facilities for the very early stage biotech startups these entrepreneurs will initiate.

To implement these strategies, the following sub-strategies are proposed:

Increase the supply of trained employees. Both short term and long term efforts are required. A workforce intelligence study should be conducted to identify the gaps in the labor pool and new retraining programs initiated, especially targeting laid off engineers and other technically literate individuals. The Long Island Biotech Education Consortium, led by Long Island's three BOCES and business partners, would completely revamp K-12 curriculum aimed at training over-looked or under-served students who may not become engineers or PhDs but can play a role in this burgeoning field. Their focus would be on "middle skills" workers who are the underpinning of any workforce. For the long term, LI STEM, funded in a previous round, should undertake bio-focused outreach and programming for K-12. The study results will also be disseminated to the region's colleges and universities through the Long Island Regional Advisory Council on Higher Education to guide new academic program development as needed.



Strengthen the innovation and discovery pipeline and develop a targeted biotech outreach effort. Long Island research institutions will continue to develop their facilities to increase the output of basic research. Capital projects at Winthrop and Stony Brook are two such efforts in Round Five. A biotech "think tank" of Accelerate Long Island's steering committee and supported by Accelerate staff will facilitate basic research partnerships and targeted outreach to federal agencies to bring more federal research funds to Long Island. This same think tank of powerful biotech leadership will be asked to reach out to pharma companies globally to highlight the advantages of establishing Long Island facilities. Understanding the importance of retention, this group will also be calling on smaller biotech companies who already call Long Island home to be sure they "feel the love" and have access to the research institution assets controlled by this powerful think tank. The outreach effort both on and off Long Island will be an important part of our biotech strategy.



Achieve targeted increases in financial resources for commercialization and enterprise development. The Round Three SBIR Matching Fund project will be augmented by additional efforts through the Long Island Innovation Hot Spot to generate more successful SBIR and STTR proposals, which can provide more than \$1M per project in non-debt, non-dilutive funding to small biotech companies. A cross-regional partnership with the Mid-Hudson New York Technology Incubator project at the Pfizer site in Pearl River will offer entree to the large pharmas and biotechs in that region; these contacts and an enlarged State presence at the BIO annual meeting will be mined for strategic partnerships for Long Island companies. Collaboration among NYSTAR's CATs, CoEs, Innovation Hot Spots, and other programs will be encouraged, especially among those at SUNY campuses.



WHAT WE'RE DOING ...



Center for Advanced Technologies

Stony Brook University

The State University of New York

regional biotech community. It is well positioned to collaborate with Accelerate, Long Island Angel Network, business groups, and other entities to support a higher level of interaction in that community initially. "Priming the pump" will create a foundation for industry-led efforts going forward.

Lead the effort to creating better collaboration among NYS regions. There is amazing discovery and research assets in every corner of the Empire State. Centers of Excellence and Advanced Technology and MEP centers are found in all ten regions and there is productive interaction among these powerful groups but we must do more to foster inter-regional collaboration. For that reason we will ask Stony Brook University, the region's premier public research university and a leader in the SUNY system to lead a new discovery and commercialization efforts among these centers. Our mission would be to leverage assets statewide to support our biotech focus and Long Island would commit to utilize our assets in other clusters to support efforts in the other nine regions. Long Island would work closely with ESD's Science and Technology Division to assure that our efforts align perfectly with theirs.

Foster networking. Communication within the industry cluster is essential for future growth. The biotech CAT, a founder of what is now NYBio and of the Long Island Life Sciences Initiative, pioneered networking efforts serving the

Center for Operational Excellence



AT STONY BROOK UNIVERSITY

NYIT

NEW YORK INSTITUTE OF TECHNOLOGY

of our strategy to take discovery and innovation from the lab to the production floor. The MEP will continue to work with traditional small manufacturers but we are excited to engage them in the newly selected cluster bringing state and federal resources and programs. The region will engage its hundreds of small manufacturers who have strengths that can be focused on biotechnology. Examples could be a machine shop being cross-trained to create the metal cabinetry used by medical device manufacturing. Recent engineering job losses announced by one of LI's largest defense firms will leave hundreds of skilled engineers available to support these efforts. The skill set used to design and develop advanced aerospace communication systems and weaponry can be re-focused at creating biotech products. For those engineers with drive and passion for starting a manufacturing business we will link these talented engineers with entrepreneurship programs at Hofstra, NYIT and Suffolk County Community College. The region will work with our universities, SBDCs and EAP centers to align curriculum and develop new programs to help these businesses find niches in biotechnology. This strategy will result in new products being "Made in NY". This new strategy aligns well with prior

Long Island will bolster efforts to manufacture more biotech products. Our heritage industries have always centered on producing products and we need to re-focus on that effort centered on biotechnology. With a new emphasis on biotechnology the region's Manufacturing Extension Program - MEP will become the centerpiece

and ongoing efforts to showcase the importance of manufacturing careers to our future generations.

Long Island's history of creating products such as the lunar module will continue but these new products made on Long Island will now enhance medical discovery and quality of life for future generations.



MEP • MANUFACTURING
EXTENSION PARTNERSHIP

WHAT WE'RE DOING ...



Long Island's IDAs and utilities will explore the creation of economic development incentive programs to help existing and new biotechnology companies expand.

The IDAs, local townships and utility companies are incredibly important partners in Regional Council efforts to highlight biotechnology. IDAs and the local utility companies offer aggressive programs to incentivize expansion but biotechnology firms may have needs that don't align well with these existing programs. Often the conversion of existing warehouse space to biotech lab or manufacturing could trigger

large tax increases. The utility requirements of biotechnology can also be a challenge in a region struggling to provide competitive electric costs. We will convene meetings with IDAs and PSEG and National Grid to understand how they can become partners in our cluster effort. Biotechnology drug pipelines can be a decade or more and we will endeavor to re-align our local economic development efforts to support these companies.

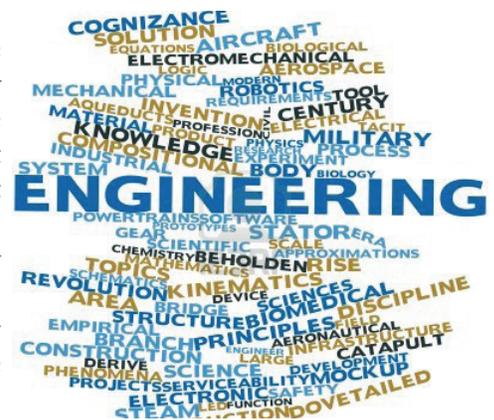


Nassau County
Industrial Development Agency

Clusters aren't developed overnight – what became Silicon Valley grew out of an effort by Stanford engineering dean Frederick Terman to keep graduating engineers on the West Coast. Route 128 expanded on the research base created by World War II at MIT and Harvard, and North Carolina Governor Luther Hodges took the first steps toward building the Research Triangle in the 1950's. Our biotechnology cluster initiative is a beginning. However, the LIREDC's proven track record of success, as evidenced by the previously funded innovation projects below, forecasts a bright, lucrative future for Long Island as a center of biotechnology.

These efforts require planning and a method to measure effectiveness. The Innovation Work Group of the Long Island Regional Economic Development Council will monitor implementation, assess progress, and reassess the strategies and their impacts annually.

ENGINe. Among the many successful innovation projects funded through CFA awards recommended by the LIREDC is the extraordinary ENGINe program. (It is additionally referenced in the Workforce and Education section.) This unique partnership between two of Long Island's powerhouse academic centers, Stony Brook University and Hofstra University, has proven to be a crucial component to the solution of a serious problem on Long Island – a shortage of engineering students to fulfill the increased job demands of the growing innovation industry in the region. At Stony Brook, a target student enrollment growth of 15 percent (an increase of 159 students) was initially set during the development of this program. By 2014, enrollment had grown by 35 percent, almost tripling the original target. Additionally, the success of the ENGINe program quadrupled the number of faculty hires initially targeted at Stony Brook, creating new jobs in the region and bringing top experts from across the nation to train the future engineers of Long Island. Meanwhile, over the past two academic years, Hofstra has more than doubled its engineering enrollment from 48 students in Fall 2012 to 126 students in Fall 2014. Approximately 70 percent of these students obtained jobs in New York State and approximately 25 percent are employed at Long Island-based companies. To expand this effort, The Regional Council in Round Two also approved funding for similar expansion of the engineering schools at NYIT and Farmingdale State College which will further alleviate the shortage of locally graduated engineers.



WHAT WE'RE DOING ...



Cold Spring Harbor Laboratory's Preclinical Experimental Therapeutics Facility. The Preclinical Experimental Therapeutics Facility (PETx) at Cold Spring Harbor Laboratory (CSHL) is a first-of-its-kind high-throughput facility that will be equipped with new imaging equipment and a dedicated staff to allow for industrial-scale pre-clinical studies. Collaborating with hospitals,

biotechnology companies, and pharmaceutical experts, researchers at this 8,000-square-foot drug testing facility will be on the brink of the next big discovery, boosting Long Island's flourishing reputation as an enterprising research region and creating new jobs in the biotech sector and beyond. Currently 59 percent completed, this project has already created 166 construction jobs to date with a minimum of 30 innovation related jobs on the horizon.

Accelerate Long Island. Through a rare regional collaboration among Long Island's world class research institutions, including Brookhaven National Laboratory, Cold Spring Harbor Laboratory, Hofstra University, the North Shore-LIJ Feinstein Institute, and Stony Brook University, Accelerate Long Island (ALI) has successfully commercialized research and advanced the region's entrepreneurial ecosystem through a series of strategic public-private partnerships. In just three years, after ESD's injection of \$500,000 in Regional Council funding, ALI has recruited two of the largest venture capital funds on Long Island, Topspin Partners and Jove Equity Partners, to provide \$500,000 in matching investment capital through the newly-created Long Island Emerging Technologies Fund (LIETF). Among its many achievements, ALI has screened pitches from over 200 technology-based startup companies, arranged for its Investment Committees to receive presentations from 50 startups and invested \$700,000 in seven high-tech startups through the Accelerate Long Island Seed Fund and LIETF. Those startups have received over \$4 million in grants and investment capital. Additionally, ALI received notice of a \$1.5 million award from Empire State Development's New York State Innovation Venture Capital Fund to manage pre-seed technology commercialization investments.

Pharmaceutical & Biotechnology



STARTUP NY

Long Island and *StartUp NY* are a powerful combination. Our research institutions, universities and valued workforce, coupled with available tax free space, creates a mosaic of innovation and discovery with the potential to add thousands of biotechnology jobs on Long Island.

We have embraced *StartUp NY*, a groundbreaking initiative from Governor Andrew Cuomo that provides major incentives for businesses to relocate, "start up" or significantly expand in New York State through affiliations with public and private academic centers. In a mere couple of years, three Long Island Universities and colleges have been approved for inclusion as "tax free zones" and bolstered the success of the *StartUp NY* program by recruiting new businesses to the region.

With a mission to innovate and commercialize new technologies, Stony Brook University has taken an aggressive leadership role in the *StartUp NY* program, fostering the growth of over 20 companies to obtain *StartUp NY* approval. At Stony Brook, more than 200 jobs are expected to be created by 2020 in industries ranging from biotechnology to engineering to wireless and information technology. In addition, \$13.6 million in capital investment is expected over the next 5 years.

Further west, Farmingdale State College's *StartUp NY* space is a world class biotech park. Broad Hollow Bioscience Park is equipped with state of the art facilities and resources to attract a major pharma company. The site is located on Long Island's prestigious Route 110 corridor and close to globally recognized corporate names like Canon and Henry Schein. On Nassau County's gold coast in Brookville is Long Island University's *StartUp NY* campus which received \$500,000 in NYS funding in Round Four to convert a famed Gold Coast mansion called Bush Brown Hall into a 10,000 square foot technology accelerator.

WHAT WE'RE DOING ...

StartUP NY Continued...

The tax free program has worked like a magnet for Long Island attracting expansion from companies across campus to those across the globe. Codagenix, which developed technology at Stony Brook University aimed at weakening the impact of viruses by changing DNA, will expand in tax free space. Ohio was once home to Guided Interventions Inc. that now calls Stony Brook home. There they are exploring ways to reduce the use of stents to unblock arteries by utilizing a tiny sensor to measure blood flow. A small tech upstart in Tel Aviv never heard of Stony Brook University until **StartUp NY** convinced the CEO to move his software company Zuznow Inc. onto the campus. Perhaps the most important beneficiaries of **StartUp NY** are the students who will be interns and researchers at these fledgling firms, gaining important work experience to become our future Long Island innovators and entrepreneurs.

This region offers promising new tech companies a wide variety of homes- from a world class public research University to a home for large pharma in the middle of a busy corporate corridor to a bucolic north shore mansion. The region will further leverage the potential of **StartUp NY** in Round Five because we challenged other universities to claim their tax free space. Hofstra University, the region's largest private school and New York Institute of Technology's Port Washington facility have requested Regional Council funding to renovate space for inclusion in **StartUp NY**. We are encouraged as well by SUNY Old Westbury's interest in creating **Start Up NY** space in Bethpage. Upon completion of these projects, the program will achieve tax free space in every corner of Long Island, providing invaluable long-term economic benefit to the region.

The logo for StartUp NY, featuring the words "STARTUP NY" in a bold, blue, sans-serif font. The letter "U" is stylized with a yellow upward-pointing arrow integrated into its top curve.

Hofstra STEM Collaboratorium. The first of its kind on Long Island, this innovative project, supported by a \$1,500,000 Regional Council award, is revolutionizing academic research in the region by breaking down the silos of traditional disciplines and focusing on thematic interdisciplinary areas. The project consists of both virtual and real space where groups of researchers and teachers from diverse disciplines join forces to research the latest advancements in cell and molecular biology, earth systems science, soil and sediment pollution, computation and image analysis, and sustainability science. To date, significant progress has been made in the renovation of the space and installation of state-of-the-art equipment. The new masters in Sustainability starting in the fall of 2015 will utilize the new Hofstra Collaboratorium space for academic research. Through this transformational program, world-class researchers in chemistry, geology and engineering are working together to train and educate a 21st Century workforce ready for biotech and other knowledge-based careers.

Molloy College's Center for Environmental Research and Coastal Oceans Monitoring (CERCOM). CERCOM is dedicated to exploring our global coastal environments and nearshore oceans. With a mission of educating students in Biology, Chemistry and Environmental Studies while simultaneously providing these students with the real world research skillset necessary to compete on the global forefront, CERCOM is the home of exciting new research initiatives like The Horseshoe Crab Network of Long Island (HSCLI). The blood of certain horseshoe crabs plays an important role in testing medical equipment. Surveying the Horseshoe Crab habitat on an annual basis, HSCLI's research spans from the tip of Brooklyn to Montauk Point. Since 2007, Student Research has been conducted in conservation ecology, including aquaculture on HSC breeding, genetics and habitat suitability. Additionally, CERCOM provides water quality monitoring of Great South Bay and serves as a cooperative partner with NOAA's National Weather Service, highlighting Long Island as a national player in environmental and oceanic research.



For five years, even before all the regional councils were tasked to promote a single cluster, the LIREDC has pursued a high-technology cluster strategy for job creation. And the most promising remains biotechnology. Although we know that a strong cluster in that sector cannot be created overnight, Long Island has all the institutional and historic assets – the great research institutions and tradition for innovation – upon which we are building a foundation for success. Perhaps as important, we also have a can-do attitude and collaborative spirit – and a strong plan – to realize our goals.

WHAT WE'RE DOING ...

What follows are our Round Five priority projects for our innovation and cluster strategy:



SBU Cyclotron and Radiochemistry Lab. Tied closely to the region's biotechnology strategy is Stony Brook University's Cyclotron and Radiochemistry Laboratory. This facility is located in the newly constructed Medical and Research Translational Building (MART) on the Stony Brook Medical School campus. The MART is a 256,000 square foot building that includes laboratories equipped for cancer research and biomedical informatics. The Cyclotron and Radiochemistry Lab is critically important to the MART mission as it can produce

radiopharmaceuticals able to monitor biological processes within the human body in real time. The powerful equipment will be utilized by researchers in areas including cancer, cardiology and neuroscience as well as major pharma companies in their drug discovery research.

Accelerate Long Island. Accelerate Long Island grew out of the idea that Long Island's world class research institutions and universities should be more directly involved – together – with moving innovation from the lab to the commercial marketplace. It also helped fill a void of venture capital. The leadership of these institutions – Stony Brook, Brookhaven National Lab, Cold Spring Harbor Lab, The Feinstein Institute at NSLIJ, and Hofstra along with the Long Island Association – stepped forward with Accelerate Long Island initiative. In Round One the Regional Council supported a \$500,000 award to match private VC investments with grants of \$50,000. Ten promising tech companies not only received those grants but also the mentoring that only these powerful institutions could provide. In Round Five the Regional Council is supporting additional funding to create an Accelerate Long Island grant program to support promising early stage tech companies needing equipment or lab expansion.



Farmingdale Next Generation Vaccine Development. Farmingdale State College is partnering with Nassau Community College and a very promising biotech company called Codagenix in a highly collaborative effort to support medical research and build a talented pipeline of STEM trained students. Codagenix, a successful company that actually grew in the Stony Brook University High Tech Incubator, will locate in StartUp NY space at Farmingdale's Broad Hollow Bioscience Park to research viral vaccines. Codagenix will utilize students from Farmingdale and Nassau who will gain valuable practical training while working with Codagenix as it develops new vaccines. At the same time both Farmingdale and Nassau will significantly expand and renovate laboratories and teaching facilities, adding new professors at each campus. This project leverages the strengths of an extraordinarily promising StartUp NY company funded with local venture capital and links them with a well-trained potential workforce.





NEW YORK
STATE OF
OPPORTUNITY



Innovation and Industry Clusters

This region is asking New York to invest in our plan and no plan is complete without an inventory of important assets. We know how incredibly fortunate we are to have globally admired research institutions that call Long Island home. The region is also fortunate that the leadership and senior staff of these esteemed institutions are integrally involved in the Long Island Regional Economic Development Council.



Feinstein Institute for Medical Research is the research branch of North Shore-LIJ Health System and is headquartered in Manhasset, NY. The Institute is composed of more than 1,500 clinicians, scientists and staff who work in laboratories and clinical research programs and with patients throughout the many facilities of North Shore-LIJ. Every year, more than 15,000 patients and volunteers participate in over 2,000 research studies. In 2015, The Feinstein Institute announced an exciting collaboration with Cold Spring Harbor Labs on clinical trials and cancer research. Feinstein is an integral component of North Shore LIJ Hospital System – Long Island’s largest employer. Senior staff of the Feinstein Institute participate in the Long Island Regional Council work groups.



Cold Spring Harbor Laboratory was established in 1890 and is a globally admired research institution, achieving breakthroughs in molecular biology, bioinformatics and genetics while enhancing scientific knowledge worldwide. Their work results in better diagnostics and treatments for cancer, neurological diseases and other major diseases. Over 1,000 researchers and staff work on a picturesque hillside campus overlooking Cold Spring Harbor. The complex of buildings house labs and the Watson School of Biological Sciences also offers PhD degree programs. Home to eight Nobel Prize winners, the lab hosts over 12,000 scientists annually. Senior staff at Cold Spring Harbor Labs participate in Long Island Regional Council work groups.



Stony Brook University is one of the state’s most important research universities. This renowned public university is located on over 1,000 acres and ranked as one the nation’s top 100 universities and among the top 40 public universities in the nation. SBU offers nearly 70 majors and more than 100 master’s programs and 40 doctoral programs. Stony Brook is one of 10 universities given a National Science Foundation recognition award for integrating research and education. SBU also operates one the region’s premier hospitals and a 200-acre Research Park. SBU provides many research assets available to Long Island companies. The Advanced Energy Center of Excellence, The Center for Wireless and IT, The Medical and Research Translation building and a planned 100,000 s.f building to house StartUP NY companies are only a few of the incredible facilities at Stony Brook University. An important partner in economic development, Stony Brook University operates four technology incubators across Long Island. Stony Brook University President Dr. Sam Stanley is a Regional Council member and co-chairs the Innovation and Industry Cluster work group.



Hofstra University is the region’s largest private college offering 140 undergraduate and graduate degree programs. Founded in 1935, Hofstra’s 240 acre campus includes 115 buildings. With enrollment topping 11,000, Hofstra has grown to be a nationally recognized university and now includes a School of Medicine, School of Engineering and Law School. Hofstra University’s School of Business is ranked among the best in the Northeast and the university is an important part of Long Island’s effort to encourage and train leaders in entrepreneurship. Hofstra University President Stuart Rabinowitz is the Co-Chair of the Long Island Regional Council.



The Broad Hollow Bioscience Park is located on the campus of Farmingdale State College and is on the Route 110 Corridor, which straddles the Nassau and Suffolk border and is home to many globally recognized Fortune 500 companies. The Bioscience Park is a 38-acre corporate research campus containing over 100,000 square feet of available lab/research buildings and is designated by New York State as StartUP NY space. An additional 18 acres in the park is shovel ready and an outstanding location for a large pharma company. As StartUP NY space, users could be exempt from all NYS taxes for a decade. Leadership of the BioScience Park includes Cold Spring Harbor Laboratory and the region’s top research universities making the site a true regional biotech asset. Farmingdale State College President Dr. Hubert Keen is a Long Island Regional Council member.



Brookhaven National Laboratory, established in 1947, is a multipurpose research institution funded by the U.S. Department of Energy’s Office of Science. BNL operates cutting-edge, large-scale facilities for studies in physics, chemistry, biology, medicine, applied science, and a wide range of advanced technologies. The Laboratory’s 3,000 scientists, engineers, and support staff are joined each year by more than 4,000 visiting researchers from around the world. BNL’s research has been acknowledged and honored with seven Nobel prizes. The National Synchrotron Light Source 2, a nearly Billion dollar investment, opened in 2014. NSLS2 takes stationary charged particles, such as electrons, and drives them to velocities near the speed of light. Forced by magnets to travel around a 2 ½ mile circular storage ring, the charged particles give off electromagnetic radiation and lose energy. This energy is emitted in the form of light—a phenomenon known as synchrotron radiation allowing global companies and scientists to establish research stations around the beam line. The NSLS2 and BNL’s Relativistic Heavy Ion Collider (RHIC), which recreates ultra-hot matter that existed at the dawn of time, attract thousands of researchers to Long Island. BNL Director Doon Gibbs is a Long Island Regional Council member.

WHAT WE'RE DOING ...

IMPLEMENTATION AGENDA & TIMELINE FOR OUR CLUSTER STRATEGIES

| ACTION IDENTIFIED BY COUNCIL | PROGRESS TO DATE | FUTURE ACTIONS & TIMELINE |
|--|---|---|
| Attract a major pharma company | *ESD in April recruited a national Real Estate firm *Meeting held in April with RE firm, StartUP NY and campus reps | <ol style="list-style-type: none"> 1. Convene meeting of leaders of BNL, SBU, CSHL, Hofstra and Feinstein/NSLIJ and determine individuals with key pharma contacts and assign calls/visits 2. Create inventory of available StartUP NY sites/buildings 3. Work with ESD press and marketing to highlight sites in advertising 4. Attend CoreNet, IEDC and other site selection real estate events |
| Grow/Retain existing Long Island Bio firms | *SBU Bio CAT maintains ongoing contacts *Added SBU Bio CAT senior staffer to Cluster group *Accelerate LI has funded 10 biotech start ups using ESD/RC funding | <ol style="list-style-type: none"> 1. Focus on linking bio firms with available resources at labs/colleges 2. Develop outreach effort to promote StartUP NY 3. Create "biotech boot camp" at SBU |
| Increase supply of trained biotech employees | *Funded engineering expansions at SBU and Hofstra *SBU Corporate training center working with existing biotech firms on workforce development CFAs *Funded STEM training at Hofstra's Medical Pipeline program | <ol style="list-style-type: none"> 1. Encourage more high schools to promote STEM programs 2. Work with colleges and universities to develop biotech career training 3. Encourage colleges to assess current curriculum in biotech and consider expanding engineering programs in biotech fields (biomed engineering) |
| Strengthen Innovation and Discovery Pipeline | *RC funded biotech facilities at SBU, Winthrop and Cold Spring Harbor labs *Funded Accelerate LI and nearly all projects funded have been biotech *Broad Hollow Bio Science Center has 100,000 s.f. of lab space devoted exclusively to biotech | <ol style="list-style-type: none"> 1. Expand Winthrop Research Institute 2. Work with Feinstein/NSLIJ on new lab expansion on LI 3. Work with BNL on easing requirements for foreign researchers 4. Create a biotech Think Tank among leaders of LI's major research Institutes to foster cross institute collaboration on projects |
| Achieve increases in financial resources for commercialization and enterprise development | *Funded SBIR matching program in RC round three *ESD awarded additional seed capital funding to Accelerate LI in 2015 *SBU overseeing region wide "Hot Spot" *SBU, LIU and Farmingdale State College engaged in StartUP NY | <ol style="list-style-type: none"> 1. Engage three more colleges in StartUP NY in next 12 months 2. Create shared StartUP NY campus at Bethpage Homeland Security building overseen by MEP 3. Increase StartUP NY approved businesses in biotech by 25% annually 4. Use BIO annual meeting to form joint ventures and collaboration among LI biotech firms |
| Increase collaboration among Statewide Centers of Excellence | *SBU working with CAT and COEs in multiple regions | <ol style="list-style-type: none"> 1. In 2015 formalize a program to outreach with other Centers in multiple clusters 2. In 2016 expand effort to include other schools whose expertise aligns with LI cluster strategy 3. MEP will engage in similar strategy among its statewide peers |
| Foster effort to manufacture more products on LI | *MEP already engaged in helping small mfrs | <ol style="list-style-type: none"> 1. Engage MEP in biotech cluster 2. Create a biotech mfg boot camp in 2015 3. Create linkage between displaced aerospace engineers and companies seeking new engineers 4. Create linkage between displaced engineers and entrepreneurship training programs at Hofstra and Suffolk Community college |
| Create local economic development incentive programs tailored to bio-tech needs | *Several IDAs already provide real estate abatements up to 20 years for selected industries | <ol style="list-style-type: none"> 1. Engage IDAs and utility companies in biotech cluster 2. Encourage IDAs to offer longer term incentives matching a longer term "bench to bedside" time horizon |

WHAT WE'RE DOING ...



JOHN DELALIO
EB Industries

Born and raised on Long Island, John DeLalio, the Director of Business Development at EB Industries, sees the future of our region tied to the success of our manufacturing sector and expansion of its exports.

EB Industries, which John's father and uncle co-founded in 1965, is a Long Island-based provider of laser and electron beam welding services that historically has served the Long Island aerospace industry, supporting the Apollo missions and the production of military aircraft components. The company has since diversified into other industries such as medical, electronics, oil and gas, and green energy technology. Historically the company focused on domestic sales, but recently started to turn its efforts to achieving sustainable growth through exports.

John reached out to Empire State Development in 2014 to further this goal.

"Over the past year, Empire State Development has been very helpful in assisting our company with its efforts to grow," John said. "The ESD staff has been extremely supportive. First they connected us with an individual in Mexico who could help us identify business opportunities in that region. We were provided with the names of over 230 aerospace companies in Mexico. ESD offered to arrange meetings as well as to organize and possibly fund a trade mission to Mexico. ESD also connected us with similar resources in Canada. Finally, ESD provided us a grant to attend the Aeromart Montreal International Trade show. We would not have gone without the funding. At the event we had meetings with over 20 different organizations from the US, Mexico, Canada, and Europe. We uncovered several business opportunities. Additionally we learned a tremendous amount about the international markets allowing us to further refine our international strategy."

John is optimistic that the state's assistance will help EB and Long Island see a bright future in manufacturing and exports.

Global NY



Key Strategy: Augment the export capacity of Long Island companies and attract foreign direct investment in the region by bringing together experienced exporters, relevant government agencies and our world class education and research institutions to identify and pursue potential business opportunities overseas.

Long Island is an island but it cannot afford to be an island unto itself. To thrive, to reach the full potential of its economic power, Nassau-Suffolk must be connected to the rest of the world through exports of the region's products and foreign direct investment in its companies and communities. We are making progress.

In 2014, at the instruction of Governor Andrew Cuomo, the LIREDC embarked on a mission to develop strategies, such as the key strategy above, and identify projects that would facilitate the expansion of exports and foreign investment. To accomplish this we first identified large regional exporters, foreign firms, and relevant not-for-profits and government agencies located on Long Island. We convened a Global NY Work Group through which we discussed issues that made exporting more cumbersome and doing businesses on Long Island more costly. Finally, after immersing ourselves in the export world, we devised strategies and supported projects that will make international trade less daunting for interested businesses.

La Guardia Airport



New York

Several promising projects were identified, including the development of an **Export Toolkit** to provide less experienced exporters with resources, including contact information for state and federal agencies and American and foreign chambers of commerce. The Global NY Work

Group also recommended development of an **Export Survey** and **Project Pipeline** to identify small to medium sized businesses interested in starting or expanding exports and provide them with specialized assistance.



Interregional collaboration was also recognized as integral, especially forging ties with New York City and Mid-Hudson with which we share many transportation assets including the JFK and La Guardia Airports, rail lines, and the Port Authority shipping terminals.

WHAT WE'RE DOING ...

Expand the number of trade missions and events to which Long Island companies have access, provide subsidies to encourage participation in these missions, and increase trade events held on Long Island for foreign companies.

Trade Missions:

This past year New York State organized several international trade events and helped Long Island businesses by providing marketing research and funding to offset the costs of entering new markets. In 2015 one very successful event was the China Import Expo. This event is China's only import-specific expo, focusing on advanced manufacturing and brand name consumer goods. Eleven New York companies, including one from Long Island, attended. ESD provided support to twelve other LI companies through the Export Marketing Assistance Program (EMAS) and/or the State Trade Export Promotion (STEP) grant.



Regional Export Initiatives:

ESD partnered with Long Island Forum of Technology (LIFT) on Expotech, a national program. Expotech helps companies develop targeted export plans to enter selected markets utilizing the experienced Expotech staff, government agency representatives, and not-for-profit and for-profit businesses. Five Long Island businesses participated and each one was satisfied with the results they achieved and the advice they received from the volunteer presenters and export mentors.



Our region also organized a Canadian Export Event with LIFT in July; thirty businesses and other organizations participated. The event focused on opportunities available to Long Island businesses and included presentations by the ESD Regional Office about general business programs, by the ESD International Division about export assistance programs, by an ESD Canadian representative reviewing the business climate and Canadian market, and Purolator International discussing the logistics of exporting. Companies also had one-on-one sessions with ESD representatives from our International and Canadian offices. Long Island will continue to organize events like these and maintain our regional export pipeline.



Governor Cuomo created a New York State export assistance fund which is comprised of a \$10 million grant fund and a \$25 million loan fund that will shield our businesses from unstable federal support and provide needed export assistance. The current freeze of US Export Import Bank activity because of Congressional gridlock is a real threat to New York State businesses that depend on federal services. The establishment of these two funding streams is a triumph.

WHAT WE'RE DOING ...

Harness the vast international trade expertise available on Long Island and in NYC through exchanges of information, contacts, foreign market experience, and partnerships among companies and regional trade organizations to advance regional trade strategies.

Interregional Export Pipeline:



In June, the Long Island, New York City, and Mid-Hudson regional offices organized the first Interregional Global NY meeting to discuss the current programs available through the ESD International Division and joint trade initiatives. The topics discussed included the greater utilization of our transportation infrastructure, such as the Stewart Airport in Mid-Hudson and the MacArthur Airport on Long Island, to alleviate some of the volume from New York City. We also discussed organizing multi-regional trade shows during which businesses in selected sectors from all three regions, such as aerospace manufacturing, could meet and show their products to large companies such as Airbus, Lockheed, and Boeing.



Our Export Pipeline was conceived in Round Four to expand exporting in all three of our regions through contacts and event sharing. The first large event coming up is the **Long Island Life Sciences Summit**, a bioscience event that attracts companies from across the world and allows them to present their businesses before investors, large multinational firms, and other business organizations. ESD will work with the Stony Brook University Center for Biotechnology to partner on the event and identify international businesses that would be interested in locating in New York. All three regions will send out event notifications to their identified export and FDI businesses and organizations to boost awareness of and attendance to this unique opportunity, making use of our Export Pipeline.



WHAT WE'RE DOING ...



JIM D'ADDARIO

D'ADDARIO & COMPANY INC.

When it comes to music and Long Island, Jim D'Addario has perfect pitch. The Chairman and CEO of D'Addario & Company, Inc., one of the world's leading designers and manufacturers of musical instrument accessories, Jim focuses most of his attention on production and process innovation, as well as marketing and branding for all his company's lines. But he also gives his time to business, civic and charitable organizations, including volunteering as a member of the LIREDC and of the Global NY Work Group.

For the council, Jim came up with a "Made in New York" program to promote the state and region as a place where manufacturing can have a successful home. And as an enthusiastic cheerleader for Long Island especially, he practices what he preaches. D'Addario acquired a steel wire mill in another part of the country and recently moved it to Long Island, where the company's renowned string is made and exported all over the world.

"We actually are exporting wire to our competitors," Jim said as proudly as when he shows visitors his collection of vintage guitars and the list of respected musicians who serve as advisors. "Now, 50 percent of our musical products are exported. We have created four company-owned distributing companies in UK, Australia, China and Canada. They are the key to our success."

Although Jim toyed with becoming a professional musician and teacher – he devotes a lot of effort lobbying for public investments in music education – he chose to immerse himself in the family business, discovering his love for product innovation. Now, the D'Addario string brand name holds the number one global market position. Long Island is stronger for the commitment.

STARTUP NY

Utilize the StartUp NY program to attract companies from abroad and to foster foreign direct investment, connections, and exchanges with international companies.



The **StartUp NY program** (see the sidebar in the Innovation/Cluster section) has had a significant impact on the way companies across the country and around the world perceive the business environment in New York. That we already have two international businesses approved for StartUp NY at Stony Brook University – Zuznow in Israel and C&M Robotics in South Korea – shows the program's reach. Currently 18 approved StartUp NY companies are operating at Stony Brook University with many more on the way.



It is gratifying to see this powerful program attracting talent and spurring innovation from around the world. As word of the unique and unprecedented benefits of StartUp NY continues to circulate and more universities and colleges on Long Island participate in the program there is no doubt we will also see greater foreign direct investment activity and more jobs for Long Island.



Zuznow is the developer of an automatic mobile adaptation platform that solves the challenge of transforming hundreds and thousands of web applications to mobile and is currently headquartered in New York with an R&D center in Tel Aviv, Israel. Racheli Levkovich, Co-Owner, said: "Originally, our decision to participate was all about the tax benefits, however very fast we understood the added value of the technical knowledge of the staff and students at Stony Brook. So far we had great interaction with the SBU staff, who introduced us to investors and potential customers and help us plan our cooperation with the University. Starting next academic year Zuznow planning to hire 2-3 students in various technical and marketing positions."

WHAT WE'RE DOING ...

Identify and support projects that will enable Long Island businesses to expand their exports and/or Long Island communities to attract foreign direct investment.

Export and FDI Business Assistance:

As part of Round Four A&Z Pharmaceutical, a Long Island based manufacturer that exports primarily to China, was the recipient of an Excelsior award to help grow its manufacturing operation in New York and expand into new international markets. The project is currently underway and the company is in the process of identifying new markets in the Middle East and Canada. A representative from the company attended our Canadian Export Information Session and our international team continues to assist them as they explore new markets for their pharmaceutical products.



Pharmaceutical, Inc.



Our regional office was also busy this year working with companies from abroad to locate their new operations on Long Island. Two examples of this were the Canadian company Ropack and the Portuguese company MTEX. Ropack is a pharmaceutical company that does contract manufacturing, bottling, packaging, and labeling of third party pharmaceutical products.

This project will be Ropack's first US operation and will result in substantial capital investment and, job creation for Long Island. MTEX is a manufacturer of printing and print treatment products. This will be MTEX's first US operation and will drive investment and job creation.



Votre partenaire de confiance en matière d'emballage

Promote the development of education programs that address the workforce needs of regional exporters and foreign firms on Long Island including highly skilled labor in the advanced manufacturing industry and creative international business graduates.

Department of Labor workforce training grants are providing relief to many foreign firms with operations on Long Island and domestic exporters. We also need more collegiate programs that provide students with the skills essential to develop a company's international trade and create a stronger workforce base for domestic exporters and foreign firms. University involvement is critical so that businesses will have the specialized workforce they require to become integrated into the global economy.



As part of Round Four the LIREDC supported a DOL workforce training project which helped the Swiss based company Oerlikon Metco to keep their manufacturing operation competitive on Long Island. As a division of a global corporation, METCO competes to keep and bring work onto Long Island as well as support Oerlikon's efforts to expand into other international markets. The Round Four training is still in process, but the Project Management training has already helped

METCO to better utilize its MS Project software to manage multiple projects. The Lean Manufacturing training has identified areas where the company can eliminate waste, streamline operations, improve tooling, organize work areas, reduce setup times, restructure testing procedures, enhance machine uptime with better preventative maintenance and improved workflow and scheduling. To date, 31 trainees have participated in the Lean Manufacturing training and 22 employees have participated in the Project Management training out of the 80 employees that will ultimately receive training from this grant.

WHAT WE'RE DOING ...

In Round Five several project proposals tied directly to exporting or foreign investment on Long Island. Some of these projects supported by the LIREDC include:



American Racing Headers Expansion - This manufacturer of high quality racing and performance exhaust headers will create 24 new jobs and invest in new machinery and equipment to expand the efficiency and capabilities of its operation. The company presently ships products to markets in the Middle East but state funding would enable it to expand into the European, Australian, and Asian markets.

MacArthur Airport Federal Inspection Station – A \$10 million renovation and expansion of an existing 10,500 sq. ft. facility at MacArthur Airport will accommodate a Federal Inspection Station (FIS). This project will allow flights from Europe and the Western Hemisphere to land at the airport without preflight immigration screening. This facility will allow up to 400 passengers to be processed per hour and will pave the way for significant economic growth resulting from an estimated 1,200 new jobs located at the airport from airlines and the federal government as well as additional regional tourism.



Continue to identify sectors with high export growth on Long Island and target export assistance outreach to companies in those industries.



In 2014 John Costanzo's team at Purolator International thoroughly researched the largest exports and export destination countries, for the US, New York, and Long Island. Thus the Global NY Work Group identified transportation equipment manufacturing, chemical manufacturing, and electronics manufacturing as key sectors of our regional export economy and we have made efforts to reach out to businesses in those sectors. Long Island will continue to rely on expert analyses such as this to identify other key industry clusters that should be considered export priorities.

Build on existing attraction mechanisms for foreign investment, including utilizing the hospitality industry to draw interest and revenue to the region.

Enhance Long Island international tourism through expanded marketing and language accommodation.



International tourism remains a key pillar of our Global NY strategy. Because Long Island is home to a wealth of historic, natural, and recreational attractions in close proximity to New York City, international tourism offers a significant economic opportunity. The data shows that of the \$62.4 billion that was spent on tourism in the state in 2014, 30 percent of that or \$18.9 billion was from overseas tourists. Long Island also had the second largest share of traveler spending at 8 percent. To capture a greater share, we must support projects that encourage language translation, international marketing, and transportation infrastructure.

WHAT WE'RE DOING ...

Redevelop infrastructure that hastens the movement of goods on and off of Long Island to help companies export and make Long Island a more attractive foreign direct investment (FDI) destination.



Sound infrastructure is a crucial component to both export and FDI operations. Because of this, the state of our rail and airport infrastructure has been labeled a priority. The work group strongly supports the ongoing rehabilitation by the Long Island Rail Road to raise the weight rating for our rail lines allowing for the more efficient transport of goods on and off the Island. The redevelopment of the MacArthur airport mentioned earlier is also strongly supported to further ease the transportation of people, goods, and services.

The Global NY initiative is an effective tool to enhance exports by Long Island businesses and facilitate greater foreign direct investment by international firms. The strategies developed by the Long Island Global NY Work Group are being implemented on a regional and multi-regional level, resulting in a dialogue between our regional trade organizations and downstate regions. As we move into the third year of Global NY, Long Island will continue its outreach to local and international businesses, international trade related organizations, and develop programs, strategies, and recommendations to ensure that Long Island becomes an even more competitive location to house a domestic export operation or the US operation of a foreign firm. As the developing nations continue to grow their share of global GDP and purchasing power, the demand for high quality products will only increase. Long Island's proud history of producing quality goods and services, our proximity to New York City, with its ports and transportation infrastructure, our highly productive workforce, and our world renowned businesses assets leaves us uniquely positioned for strong export driven growth and foreign direct investment.



Long Island Regional Economic Development Council

WHAT WE'RE DOING ...

| <u>IMPLEMENTATION AGENDA & TIMELINE FOR GLOBAL NY</u> | | |
|---|--|--|
| ACTION IDENTIFIED BY WORK GROUP | PROGRESS TO DATE | FUTURE ACTIONS & TIMELINE |
| Development of an Export Toolkit to help businesses become familiar with the export process | <p>Export Toolkit complete and ready for distribution at company meetings and events</p> <p>Export Toolkit was shared with the work group for use and distribution by our members</p> | <ol style="list-style-type: none"> 1. Development of a Foreign Direct Investment Toolkit for international businesses interested in locating in NY 2. Foreign Direct Investment Toolkit will be sent to our International offices so our staff is more familiar with Long Island and the reasons why a company would want to locate here 3. Upload to our website for easy access 4. Export Toolkit will be shared with businesses, organizations, and the other regions |
| Collaboration of Mid-Hudson, New York City, and Long Island to convene an Interregional Global NY Task Force and Export Pipeline to share company contacts and achieve greater outreach and participation at export events | <p>First Global NY Task Force meeting was held in June with businesses and business organizations from Mid-Hudson, New York City, and Long Island regions contributing valuable insight as to how we can work together to spur greater exports and foreign direct investment in downstate New York</p> <p>At the meeting Mid-Hudson, New York City, and Long Island regions agreed to plan future regional export events utilizing the contacts in our region to create an exporter pipeline</p> | <ol style="list-style-type: none"> 1. Continue to collaborate on events and execute Task Force proposals including multiregional export seminars and industry fairs. 2. Long Island Life Science Summit and other events will utilize our interregional export pipeline as a resource to help businesses in Mid-Hudson, New York City, and Long Island discover new export markets |
| Develop an export survey to identify export ready businesses | <p>Long Island office has developed a draft survey that will be used when identifying businesses for planned industry export seminars</p> | <ol style="list-style-type: none"> 1. Modify survey to align with different industries to select businesses and gauge prior export knowledge and type of assistance needed. 2. Survey will be conducted in person during company meeting or a shorter version will be made so it can be sent to mailing lists and completed online. 3. Share with other regions |
| Host export seminars and related events to help businesses develop targeted export plans | <p>ESD partnered on the Exportech program sponsored by LIFT and helped 5 businesses develop export plans</p> <p>ESD held a Canadian Export Seminar with LIFT and Purolator International</p> | <p>To hold future export seminars targeting strong export industries and strong export markets</p> |
| Utilize the Start-Up NY program to attract companies from abroad to Long Island to spur foreign direct investment and job creation | <p>Two foreign companies, Zuznow in Israel and C&M Robotics in South Korea, have been accepted into the Start-Up NY program at Stony Brook University</p> | <p>Long Island will continue to refer foreign companies to the Start-Up NY program when applicable and update our foreign offices about the Start-Up NY program on Long Island.</p> |

WHAT WE'RE DOING ...



ADENIKE ADEYEMI-JONES Medical Scholars Pipeline Program

Born and raised in Uniondale and a graduate of Uniondale High School, Adenike Adeyemi-Jones understands the challenges of growing up in a working class neighborhood where not every student succeeds in school and beyond – and too many dreams go unrealized. Those challenges, however, never stunted Adeyemi-Jones' desire and determination to pursue a degree and future career in medicine, a dream she says the Hofstra North Shore-LIJ School of Medicine's Medical Scholars Pipeline Program (MSPP) helped make a reality.

"While I have always worked incredibly hard in school and remained determined that I could succeed in my chosen field, the financial reality of access to certain programs and hands-on training was a struggle," said Adeyemi-Jones. "The Medical Scholars Pipeline Program prepares Long Island students like me for the biomedicine world by providing us with access to key resources, professionals and hands-on training, propelling us on a path to success."

Adeyemi-Jones' will be starting a seven-year bachelor's and MD program at the Sophie Davis School of Biomedical Education at the City College of New York in the fall with the full intention of giving back to her community and practicing in the region following graduation. She is a hopeful example of how the LIREDC, which has supported the Pipeline program, has sought to spread opportunity to every community, rich and poor, white and minority, for the benefit of all.

Workforce, Education and Veterans



Key Strategy: Create a cohesive education and workforce training strategy through partnerships among a range of stakeholders - business, trade groups, labor, government agencies, educational institutions, parents and students - with the goal of ensuring that workers from all of Long Island's communities are prepared to take advantage of new job opportunities in key economic growth sectors.



Key Strategy: Unleash the economic potential of unemployed and underemployed military veterans with creative new ways to provide information, job training and other skills that will honor their service and aid the region by helping them succeed as employees and entrepreneurs.

One of Long Island's most extraordinary economic assets – the one most appealing to employers over the years – remains its well-educated and well-trained workforce and the network of educational and training institutions to feed the employment pipeline. In 2011, in our first five-year strategic plan, LIREDC recognized the challenges posed by demographic and economic changes – some local, some global – that needed to be addressed in collaborative and inclusive ways. This was deemed to be especially true if we were to soar on a knowledge-based, high-tech economy, whether in burgeoning new sectors such as biotech or in legacy industries like agriculture. And while we needed – and still need – to focus attention on the education of high-flying researchers, engineers and others at the top of the employment ladder, we saw that particular attention had to be paid to undeserved people and communities, particularly the growing number of non-English or limited-English speakers and others with limited workplace skills. Thus, with the goal of ensuring our region's success by bridging the skills gap and ensuring prosperity for all, we adopted our key workforce and education strategy.

The Workforce, Education and Veterans Work Group includes influential and knowledgeable representatives from education, labor, business, and government who are committed to building career ladders that benefit workers

and companies alike. They frequently coordinate with other work groups (such as Innovation and Opportunity Agenda) on priority projects such as the Collaboratorium and the Workforce Intelligence Program.



WHAT WE'RE DOING ...

Each Workforce, Education and Veterans project seeks to align pools of worker talent, employer needs, and educational and training resources. The result is a set of projects that have helped thousands of students and workers move from school to career, find jobs in a changing labor market, and update their skills. By focusing on opportunities for facilitating specific segments of the school-career pathway, in key sectors, these projects maximize the impact of state investment on employee retention and in-state recruitment. The work group's key projects include:



College and University Students | Engineering and Robotics. A long-term multi-campus initiative, **EngiNE** seeks to enhance the region's engineering training capacity and meet growing demand for new graduates in the field. (See more on this program in the Innovation section.) The state has supported engineering education by improving and expanding instructional laboratories at Hofstra University, Stony Brook University, Farmingdale State College, and New York Institute of Technology. Hofstra constructed a bioengineering lab, now complete, and hired new faculty and laboratory technicians. Initially, the university set a goal of raising enrollment by 10 percent, to 261 students. But by

2014 -2015, enrollment in engineering and computer science stood at 385, a 60 percent increase that greatly surpassed expectations. Two-thirds of all recent graduates are staying in New York State. Hofstra also received funding in Round Three for a **Robotics and Big Data Lab**, which is now complete; the university has hired three new employees to further expand the capacity of its School of Engineering and Applied Science. NYIT used its EngiNE grant to complete a Materials Lab and purchase nanotechnology, prototyping, and fabrication equipment. Additionally, NYIT used a Round One grant to renovate its **Entrepreneurship and Technology Innovation Center**, which was unveiled on March 4th. This center will expand NYIT's industry-academic partnerships by providing laboratory space for innovative research in the areas of health analytics and bioengineering, IT and cybersecurity, and energy and green technologies.

K-12 Students | Science, Technology, Engineering, and Mathematics.

The **Long Island STEM Hub** encourages interest in STEM fields and provides a conduit for industry and colleges and universities to communicate about emerging careers in the sector. This year, Hub-affiliated Regional Industry Councils completed and published a Gap Analysis for Empire State Development. The project has also assembled a Board of Champions, a group of industry and academic leaders committed to building a strong STEM workforce and securing sustainable funding for the initiative. A third annual celebration showcasing the work of STEM students for the business community was held at the Cradle of Aviation. The Hub has coordinated the placement of student interns, as well as industry-specific open houses for the community, such as Manufacturing Day, hosted by the Long Island Forum on Technology.



The Hub project complements the **STEM Diversity Roundtable and Center**, which engages students, parents, teachers, and school administrators in programs that expose students from a wide variety of backgrounds to STEM careers and illuminate the pathway. This year, the 5th Annual STEM Diversity summit drew 1100 attendees – including 800 students – to Farmingdale State College for an event that showcased students. The center operates two mobile units and is getting requests from school districts.

WHAT WE'RE DOING ...



College Students | Hospitality and Tourism. Tourism and hospitality is a growing sector on Long Island, and regional firms – including vineyards and hotels – report a shortage of qualified personnel for mid-level vacancies. In response, St. Joseph's College launched a new 4-year program in Hospitality and Tourism during the 2013-2014 academic year. With Round Three funding, the college has begun renovation

planning for its Patchogue campus, including an admissions recruitment center, and concurrently hired full-time and part-time faculty to staff the program. Student demand has been strong. Thanks to transfers from Suffolk County Community College, the program has already graduated seven majors, and estimates enrolling 50 majors by this fall. The program places a heavy emphasis on experiential learning, and has been successful in placing students in internship and permanent positions at hotels and hospitals. In the coming round, the college is exploring the development of tourism business incubators and the application of hospitality training to hospital administration and staffing, given the importance of customer satisfaction for government reimbursement to health care providers.

College Students, Veterans, and Incumbent Workers | Nursing. Several projects are underway to enhance nursing education to meet the growing labor demand. Molloy College has poured foundations for its new **Long Island Center for Nursing Excellence**, and construction is underway. Once completed, the center will consolidate nursing programs from across campus under a single roof. At Adelphi University, construction on the new **Nursing Innovation Lab and Training Center** is now 60 percent complete. The lab will be located in the University's state-of-the-art Nexus Building, and equipped with cutting edge digital learning devices and simulated

hospital settings such as operating rooms and family medical offices. It will offer ongoing continuing education to ensure that regional nurses remain well trained to meet the changing nature of healthcare. Demand for nursing graduates with 4-year degrees is growing; Adelphi has seen undergraduate applications grow by 13 percent, while its graduate program has surge by 32 percent. The university anticipates graduating an additional 200 nurses over its baseline, starting with the 2016 class.



St. Joseph's College plans to add a **pre-licensure program** and build three new nursing simulation labs which will be accessible 24 hours a day and 7 days a week. The college has also embarked on the development of a new nursing wing in O'Connor Hall, staffed by 26 new faculty and administration FTE's. Construction on both projects will be complete by Fall 2016. A new Bachelor's degree in Nursing has been approved by New York State and will be offered to students in Fall 2015. Currently, 7 percent of enrolled nursing students are veterans, and the college plans to focus on increasing that share in future student cohorts.



WHAT WE'RE DOING ...



BIG DATA LAB **HOFSTRA UNIVERSITY**

Dr. Simona Doboli is on to something big – Big Data, that is, and the bigger and better Computer Science Department at Hofstra University that is helping to transform Long Island's economy.

Simona is a key faculty member in the department, which is part of Hofstra's vastly expanded and upgraded School of Engineering and Applied Science. The LIREDC moved early to address the demand for more engineers, especially in computer-based cyber-security, health informatics, computational finance and other high-tech sectors. The council sought to incentivize Hofstra and other Long Island universities to meet the need.

At Hofstra, state funds enabled the region's largest private institution of higher learning to purchase the powerful computers and related equipment and completely renovate the lab, as well as install a sophisticated robotics lab. The investment paid dividends immediately. "We had a 100 percent increase in student enrollment from 2011 to 2014," said Simona, who added that new faculty was added to meet the demand.

And the market responded. Every computer science graduate received a job offer, several started their own so-far successful businesses. Eighty percent of the grads chose local career opportunities – a relief to those concerned about Long Island's appeal to young people.

Another concern in the region and nationally is the lack of women in engineering, particularly in computer science. "We are making an effort to increase the number of women in our program," Simona told the State Implementation Assessment Team on a recent visit. "We are focusing on ways to excite them about computing." And the effort is paying off. A quarter of the student body is female, as are five of the department's nine faculty members. "That is progress" – for Hofstra, for women and for Long Island.

Veterans and Young Adults | Construction.



The United Way's **YouthBuild** and **VetsBuild** programs have played an integral role in connecting the un- and underemployed to training opportunities in the construction trades. In the most recent cohort, ten young adults completed the YouthBuild training, and seven are now employed. The United Way also meets the transportation needs of graduates by accepting car donations and then renting them at low cost to recent graduates (the costs are rolled into the program for future purchases). The most recent cohort of the VetsBuild program, meanwhile, provided entry-level six-week construction training for 18 veterans at its NYSEDA-funded pressure house in Deer Park. On Earth Day, Long Island celebrated groundbreaking on the first green Department of Energy-certified, zero-energy ready VetsBuild home in the country that will be built by veterans and for veterans. In the current CFA round, VetsBuild students will be blended into a workforce training program that incorporates NYSEDA funding to support a community-scale deep-energy retrofit initiative for non-profit housing providers who provide housing assistance to veterans and other vulnerable populations across the region, including the Opportunity Area.

Entrepreneurs and New Graduates | Manufacturing.

In the current round, the Workforce Development Institute has assembled an advisory committee of manufacturers, farmers, labor leaders, and other makers to promote manufacturing careers and entrepreneurship in the region. Taking inspiration from the excitement generated by the Long Island Maker Faire, the Long Island Maker Marketing Advisory Committee aims to overcome not just the skills gap but also negative perceptions of manufacturing as a career path (including among college graduates). The committee will create a public relations and social media campaign that shows millennial makers at work, and touts the advantages of manufacturing on Long Island. The committee hopes to spur product development, and help Long Island's makers pursue investment and pools of talent. It will also explore synergies between these new enterprises and the growing tourism, hospitality, and STEAM sectors.



WHAT WE'RE DOING ...

SUNY Campuses | SUNY 2020. Long Island's SUNY campuses advanced proposals for NYSUNY 2020 Challenge Grants, all of which were enthusiastically endorsed by the Workforce, Education and Veterans Work Group and the Co-Chairs of the Long Island Regional Economic Development Council.

The first project, **Vaccine Discovery to Drive the Education Pipeline**, is a partnership focused on vaccine discovery, proposed for Farmingdale State College, in collaboration with Nassau Community College (NCC), Broadhollow Bioscience Park (BHBP) and Codagenix, a StartUp company commercializing intellectual property licensed from the State University of New York Research Foundation (SUNY-RF). Codagenix's vaccine research activities will build a bioscience career pipeline, leading from NCC to FSC. Eventually fifty students per year will pass through the program at Farmingdale, with the goal of placing all of these students in internships that provide hands-on experience with

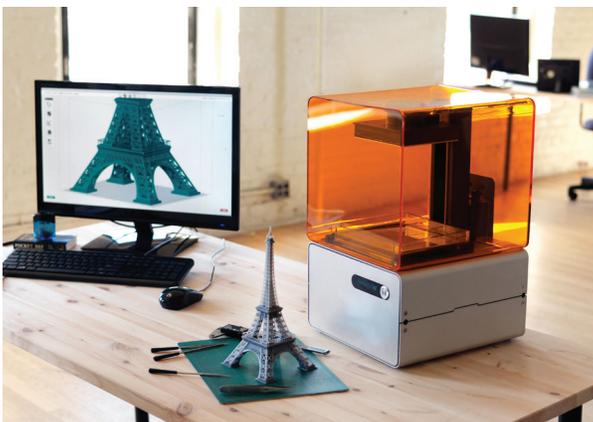


lab work, animal research, and human trials. In the process, the project will support Long Island's Round Five effort to grow its biotechnology firms.

Farmingdale has also proposed the development of an infrastructure and transportation security center within its School of Engineering Technology. This center will promote the maintenance and renewal of the nation's infrastructure, with the proximal regional goals of creating new faculty positions, internships, and summer programs. Ultimately, this initiative will produce a stream of well-trained students who are skilled in areas such as asset management, construction, environment and sustainability, traffic management, safety, intelligent transportation systems, and security.

Farmingdale State College

State University of New York



Stony Brook University will leverage NYSUNY2020 and StartUp NY to drive economic development through multiple initiatives. Stony Brook's "Digital Long Island" will be a forward-thinking technology hub that creates a physical and virtual engine for online courseware and content development, internships, and corporate partnerships. The 13,200 square foot building will provide a space for collaboration and production, featuring emerging technology such as 3-D printers. **Open SUNY** will enable the expansion of online learning opportunities in the region, with faculty course committees in place to ensure quality assurance. The **Seamless Transfer** program will target STEM students at community colleges, enabling to transfer and succeed in four-year or doctoral programs.

WHAT WE'RE DOING ...

What follows are our Round Five priority projects to advance our strategies in Workforce, Education and Veterans:



Entrepreneurial and Educational Ecosystem. Hofstra University, the region's largest private institution of higher learning, is launching the Center for Entrepreneurship and Incubator. The University will seek a StartUp NY designation for the Incubator, which will encourage collaboration among the Business school faculty, students, and the startups located in it. Overall, the multidisciplinary Center for Entrepreneurship will lead the development of Long Island's entrepreneurial ecosystem, promoting the development of a home-grown innovation economy. The Center will leverage the research and entrepreneurial activities taking place in Hofstra's Business, Law, Engineering and Medical Schools to facilitate technology-based startup companies. The goals of the Center are to expand entrepreneurship curriculum, coordinate business plan competitions including the \$100,000 CPXi Venture Tech Challenge, launch a mentorship program and student fellowships, create a multi-disciplinary law and business clinic, and establish a technology transfer function.



“Entrepreneur” is from the French, and it derives from *entreprendre* ‘to undertake’ or, ‘to assume the risk.’



NEW YORK INSTITUTE OF TECHNOLOGY

nurture early-stage cybersecurity research and development companies and to create opportunities for low-income students and veterans. The 10,000 sq. ft. facility will include a space where businesses and students (including those on paid internships) focusing on various aspects of Cybersecurity IT can collaborate in a secure environment with the latest technology that would be beyond the means of most startups. The focus on cybersecurity and other IT related to protecting personal privacy and public services, as well as military capability, meets both national and regional needs. The LIREDC has identified the field as one with a high potential to create jobs that will remain relevant and lucrative for a long time to come.

NYIT Cyber Security Startup Center. Another strong entry into the StartUp NY program, New York Institute of Technology will repurpose a building off campus in Port Washington to meet the growing need to

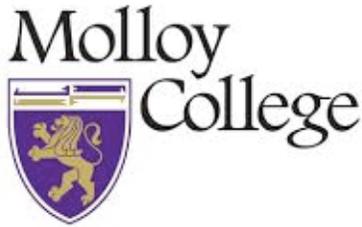


North Shore-Long Island Jewish Health System

Retraining and Retaining Health Care Workers. The North Shore-LIJ Health System, by far the region's largest employer and importer of well-educated professionals, will expand and improve its Center for Learning and Innovation in Lake Success that provides state-of-the art training to update various competencies for a range of health care providers. The Center serves a critical role in the growth and development of existing and newly hired NSLIJ employees by providing a wide range of clinical and professional programs doctors, nurses and other health care professionals. NSLIJ is planning an 8,000-10,000 sq. ft. expansion that will ensure that NSLIJ can meet the demand for training programs needed to build the healthcare workforce of the future. The \$720,000 project will provide temporary employment for 80 construction workers, create 10 full-time staff positions, as well as improving health outcomes.



WHAT WE'RE DOING ...



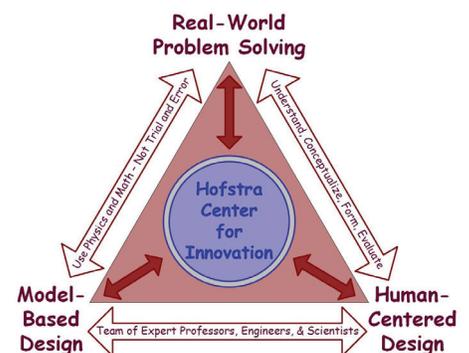
Molloy-Baldwin Collaboratorium. Building on the success of a similarly named program at Hofstra, this innovative interdisciplinary approach to education encourages teamwork, both in the classroom and the “real world.” The Collaboratorium, an unusual partnership between a college and K-12 school system in a majority-minority community, will encourage advancement in digital media/literacy and social entrepreneurship. The program will chart a path for students from high school to college to job market by providing opportunity for critical inquiry, sites for production-

based learning, and pedagogy focused on acquiring transferable skills for the workplace. Students will experiment with physical technologies and coding platforms with open workspaces allowing for mobility between projects, enhanced teamwork and creativity, especially in production space for video and interactive visual media. A modern physical library will allow access to seminal texts and digital databases, websites, code libraries, and open-source project material facilitating concentrated learning empowering students to approach design and digital participation.



Hofstra Community Leadership Training. Transforming a surplus armory into a center for developing community leaders in workforce and education issues, this project will revitalize an eyesore in one of Nassau County’s poorest villages, Hempstead, and tie the university more closely to its residents hungry for an economic development resource. Hofstra will create an interdisciplinary community academic facility with high-tech classrooms, offices, and convertible conference-style spaces. The Center

for Innovation will see faculty providing technical and engineering expertise to regional businesses and research centers. This project will allow for expansion of programs that provide thousands of small business owners, municipal officials, community residents and students with job training, professional development, and recreational, cultural and academic enrichment opportunities, including STEM-related career discovery initiatives for young people.





DAPHNE GORDON
SUFFOLK COMMUNITY
COLLEGE AND
WYANDANCH
SCHOOL DISTRICT

In her years of helping adults turn their lives around in a classroom and on a job site, Daphne Gordon learned that their educational and social troubles as kids made it harder to help them years later. “We learned we had to clean up their histories before we could help them move forward,” said Daphne of Suffolk County Community College. And that realization prompted the college, with the help of funding recommended by LIREDC, to expand its focus from adults to kids before they have a “history.” Thus, Daphne’s Youth Entrepreneurial Financial Literacy and College Prep Initiative was born.

The idea of the program is to provide at-risk youths in underserved communities not just with remedial academic services but to expose them to real-world entrepreneurial skills that can make them more valuable to an employer and help them start and run their own businesses. On the day the State Implementation Assessment Team visited Long Island, highly motivated students from Wyandanch High School and Middle School talked excitedly about how they’d researched and planned a walking tour of their hamlet and designed and marketed a t-shirt to promote its revitalization. They also learned how to act on the job, including how to shake hands and act at the table during a business lunch.

“I learned that in the business world you need to be in business attire all the time,” said Tairiq Portwine, 17, after students who wore coats and ties received extra credit. “You never know when an opportunity arises.”

Zelaya McQueen, 17, added: “What I learned is that life is easy until you have to pay bills.”

Opportunity Agenda



Key Strategy: *Revitalize Long Island’s poorest places by targeting the region’s collective resources on new community-driven initiatives that can create jobs, homes and businesses and ensure that all communities are participating fully in the state’s economic revitalization.*

From the LIREDC’s earliest meetings, its members have recognized that segregation and exclusion threaten to stymie any effort to generate economic growth and new forms of prosperity. At the same time, these inequalities meant that there were large pools of untapped talent and entrepreneurial drive that could serve as an economic engine for the region. It was an opportunity we could not waste, and the LIREDC incorporated this outlook into several elements of its strategic plan.

In 2013, at the direction of Governor Cuomo, the Council adopted a new key strategy, committing to “revitalize Long Island’s poorest places by targeting the region’s collective resources on new community-driven initiatives that can create jobs, homes, and businesses and ensure that all communities are participating fully in the state’s economic revitalization.” The Council identified Wyandanch its Opportunity Agenda area. Wyandanch was uniquely well-positioned, since it lagged behind the rest of the region on many workforce and other economic indicators, but had begun a dynamic community revitalization process backed by a cohesive group of community leaders, government officials, developers, and private-sector partners. OA investments were guided by input from local residents, whose optimism had been tempered with some anxiety about whether current residents would benefit from them. In response to their concerns, the OA Work Group – whose meetings all were well attended – included cost-effective projects that supported job placement and wrap-around services, complementing continued investments in the built environment.



Two years later, Round Three and Four-funded projects are well underway, and the OA is broadening its work in four respects, by:

- facilitating the further development, occupancy, and expansion of the Wyandanch Rising project
- coordinating training and placement more closely with the Workforce, Education and Veterans Work Group
- sharing its lessons learned – with other low-income areas in the region
- replicating methods and initiatives in another neighborhood ripe for OA treatment, the heavily minority Huntington Station

WHAT WE'RE DOING ...



Grand opening of 40 Station Drive

Continued Progress in Wyandanch Rising and Associated Improvements

A keystone of efforts to bring equitable, environmentally-responsible transit-oriented development to Suffolk County, Wyandanch Rising has remade the downtown landscape surrounding the Wyandanch LIRR station, where a state-of-the-art parking garage was dedicated in a ceremony with many community residents and regional officials in attendance. Construction on the plaza began in Spring 2015, and will continue for about one year. Other work spurred by this investment has largely been completed, including the surrounding roadway network. The community recently celebrated another ribbon-cutting, for 40 Station Drive (Building A), a mixed-use building; its

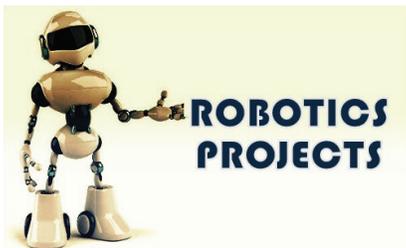
90 residential units are almost fully leased up, and the first tenants began to move in this spring. Construction is also well underway for Building B. Preliminary site plan and schematic designs have been completed for Building C at 20 Station Drive; a marketing program and broker outreach has been initiated and a scope of work has been negotiated for the project's NYSEDA grant. Preliminary financial structures have been presented to investors for New Market Tax Credit capital components, although further progress awaits identification of an anchor tenant.

The dynamism generated by Wyandanch Rising has attracted two institutional proposals: a new Long Island Music Hall of Fame and a STEAM Center (for Science, Technology, Engineering, Arts, and Mathematics). Currently, the Town of Babylon is collaborating on an RFP for architectural design services for the Music Hall of Fame, which will be released later this year. The STEAM Center will integrate the arts into broader STEM education and economic development goals. A feasibility study was recently completed by Hofstra University's National Center for Suburban Studies and the Hofstra Museum, and offers pathways to successful implementation and verifies enthusiastic community support.



Further enhancements are underway for the train station and the intermodal plaza. The new LIRR parking garage features stained glass by Philadelphia artist Moe Brooker. A planned ice rink will provide off-season recreational opportunities and major construction is occurring this summer. Final construction documents for the train station itself were received in June 2015 and are under final review by Town and LIRR. Groundbreaking on the station is expected in October 2015, with completion anticipated in late Spring 2016.

Complementing Infrastructure Strategies with Investments in Workforce and Education



The Council continues to complement the redevelopment of Wyandanch with the strengthening of the services needed to ensure that all residents benefit from the community's revitalization. Increasingly, the projects generated by the Opportunity Agenda Work Group members have developed synergies with those in the Workforce, Education, and Veterans cluster. A meeting between members of both work groups and representatives of the Wyandanch School District provided bottom-up input from administrators and teachers. One

of the identified needs was met almost immediately: school officials requested help with a \$10,000 sponsorship to launch a robotics club at Wyandanch High School, and at the following meetings of the Workforce, Education and Veterans and OA Work Groups, several institutional representatives made pledges to meet this goal.



WHAT WE'RE DOING ...



FABRIZIO BUSTOS
VETSBUILD

He risked his life for all of us, then needed help to live it.

As a soldier, Fabrizio Bustos deployed overseas three times in his 10-year hitch and only left the service because of medical issues. Like a lot of veterans, however, even with all the skills and experiences he compiled in the Army, Fabrizio had a hard time transferring them to and adjusting to civilian life. Unlike a lot of vets, he learned where to find help – United Veterans Beacon House and United Way of Long Island's VetsBuild. The result: he was able to take his technical and leadership abilities to where he is now director of VetsBuild.

"Coming back to Long Island after the military has been a voyage for me and my family," said Fabrizio, who learned to be an IT specialist in VetsBuild. "After I graduated I had a much better idea as to what career I wanted. I can only say thank you!"

The VetsBuild program, which was recommended for state funding by the LIREDC, focuses on teaching vets skills in green construction and on underserved communities. The program, which also is supported by the Bank of America Charitable Foundation, has graduated 90 men and women – so far. VetsBuild is a strong example of the inclusive and holistic approach LIREDC takes to growing jobs. The program meets the goals of several of our strategies, from assisting vets and our Opportunity Agenda area to promoting high-tech jobs in "cleaner, greener" careers that pay well and protect the environment.

Now with a job that allows him to help fellow vets, Fabrizio is giving back – again.

Transferring Best Practices to Other Disadvantaged Areas in the Region

In its 2011 Strategic Plan, the LIREDC had identified Wyandanch as a model for other blighted areas. With the development of a holistic Opportunity Agenda that paired physical redevelopment with expanded services in 2013, and its on-site development in Huntington Station, this model made the jump from physical blueprint to a community vision that is both transferable and transformative.

Huntington Station, in particular, hopes to replicate Wyandanch's successes and strategies. Like Wyandanch, Huntington Station has struggled to meet local service needs but also enjoys many assets that create a foundation for revitalization, including a strong Chamber of Commerce; area non-profits, colleges, and universities; and institutions like the public Jack Abrams STEM Magnet School. The area also benefits, like Wyandanch, from the proximity of its train station, which creates the opportunity for transit-oriented development. And finally, the community has established a Business Incubator and the Huntington Opportunity Resource Center, which has already emerged as a key site for connecting the jobless to training and placement. The town emphasizes a community-driven process, for example, by surveying clients to assess the demand for various types of vocational training. This year, the center plans to expand its work, offering more on-site training, and developing relationships with the Wyandanch Resource Center to facilitate the transfer of best practices, including intake processes.



Huntington's dialogue with Wyandanch marks the beginning of an exciting new chapter of the Opportunity Agenda: the application of the lessons learned through the OA to communities throughout the region. As the council begins to look forward to the development of a second five-year strategic plan in Round Six, this transfer of best practices will be a critical element in the implementation of equitable economic development strategies across Long Island.



WHAT WE'RE DOING ...

What follows are examples of our Round Five priority projects to advance our Opportunity Agenda in Wyandanch and beyond.

This year, following several years of investment in construction projects to rebuild Wyandanch's downtown, our focus shifts more to ensuring that the hamlet's residents have the personal tools to prosper:



Cleaner Greener Wyandanch and Huntington Station. Cleaner Greener Long Island is an innovative cooperative venture between the LIREDC's Opportunity Agenda Work Group, the Town of Babylon, United Way of Long Island, Health & Welfare Council of Long Island, Wyandanch Homes and Property Development and several other not-for-profit housing and sustainability groups. Targeting Wyandanch and Huntington Station, CGLI will promote residential energy efficiency, starting with

two construction projects at United Veterans Beacon House and Wyandanch Homes. The goal is to substantially improve energy efficiency and reduce costs for low-income clients in these homes. These makeovers will stimulate market transformation by showcasing the economic and environmental benefits of energy efficiency, renewables, water conservation, and carbon mitigation. CGLI also will be promoted as an educational opportunity. Culturally diverse students of VetsBuild and YouthBuild will have the opportunity to enhance their occupational skills on-the-job

Wyandanch/Huntington Station Health Care Training. A broad coalition of educational institutions and government agencies have created a rigorous program to meet the demand in these underserved communities for careers in health care professions. The Suffolk Department of Labor, Eastern and Western Suffolk BOCES, Suffolk Community College and others will focus on unemployed residents with an aptitude and interest in nursing and medical technician positions. A Certified Nurse Assistant program includes 140 hours of classroom theory and 60 hours of clinical rotation, covering basic procedures in bedside nursing care, nutritional needs, measuring blood pressure, obtaining temperatures, pulse and respiration procedures, medical ethics, aseptic techniques and clinical supervision. Additional training is available in Ophthalmology, Phlebotomy, EKG Monitoring, Dialysis and Surgical Technology. The SCDOL has made hundreds of contacts with healthcare related companies, unions and associations to stay current with labor market demands and identify immediate employment opportunities.



WHAT WE'RE DOING ...



Special Populations Training. A prime example of the carefully researched and executed programs necessary to carry out our Opportunity Agenda in Wyandanch, the United Way of Long Island's Special Populations Training Program seeks to eliminate barriers to skilled employment for 20 low-income women and men. The project will help participants to acquire workforce skills with transferable credentials by participating in classroom and community construction projects for homeless and low-income families. The SPTP will provide hands-on construction in a

classroom setting at United Way's SmartBuild Training Center. Participants will earn the following industry recognized credentials: Occupational Safety and Health Administration (OSHA); Building Performance Institute (BPI); DOE/NREL Energy Auditor certification. Occupational training is facilitated by United Way of Long Island's Construction Trainers. The project incorporates an "Employment Network" to help participants gain employment and to build stronger connections to the work-place as employees. More than 60 employers participate in United Way's Long Island Business Labor & Employment Council.

Long Island Music Hall of Fame. A cultural centerpiece of Wyandanch Rising, and broadly supported by government and community leaders as part of its transit-oriented "smart growth" revival, the Hall of Fame is planning to locate in the next building slated for construction. The Hall's management has been working with the developer and officials on design issues. Until the Hall opens, however, and during its operation, storage space will be needed for the many artifacts and memorabilia that have been promised and donated – many of them by famous artists. Without a storage facility that can handle temperature controlled items, with appropriate security and other facets of museum-quality archiving, the Hall cannot acquire many items. This could delay opening and limit exhibitions and fundraising opportunities. Proper storage facilities will enhance the Hall's mission of preserving the exceptional musical heritage of the Long Island region – and hasten the revival of Wyandanch.



WHAT WE'RE DOING ...

IMPLEMENTATION AGENDA & TIMELINE FOR OUR OPPORTUNITY AGENDA STRATEGIES

| ACTION IDENTIFIED BY COUNCIL | PROGRESS TO DATE | FUTURE ACTIONS & TIMELINE |
|--|--|--|
| <p>Facilitate further development, occupancy and expansion of the Wyandanch Village</p> | <p>*40 Station Drive apartment building is open and nearly fully leased</p> <p>*10 Station Drive is nearly complete</p> <p>*Parking structure and plaza had ground breaking with community members and officials from all over the region</p> | <ol style="list-style-type: none"> 1. Assist with occupancy for commercial building at 20 Station Drive, seek tenancy by end of 2015 2. Establish partnerships within community to keep momentum going 3. Assist the Long Island Music Hall of Fame and the proposed STEAM Center to generate support and resources |
| <p>Coordinate training and education with Workforce, Education and Veterans Work Group</p> | <p>*Cross participation of OA and Workforce, Education and Veterans Work Group members</p> <p>*Held meeting with Wyandanch school officials to determine how both workgroups can assist the schools</p> <p>*SCCC held pre-apprenticeship Advanced Manufacturing training programs and graduated 21 individuals</p> | <ol style="list-style-type: none"> 1. Outreach to more local Colleges and Universities to take active role in assisting students in K-12 2. Pursue more training programs for the unemployed |
| <p>Deploy the OA approach in other low-income areas in the region</p> | <p>*Huntington Station approached OA work group and sought guidance</p> <p>*OA work group guided Huntington Station in applying for grants</p> | <ol style="list-style-type: none"> 1. Identify other similarly distressed areas throughout region and seek opportunities to replicate initiatives developed in Wyandanch 2. Assist Huntington Station in developing strategies to replicate successes in Wyandanch |

WHAT WE'RE DOING ...



MARI PRYOR

Mari Pryor assists disaster victims for the state through a private company but there didn't seem to be anyone to help her when she needed an affordable home for herself and two young daughters – until she found one not far from where she had been living in Coram. Ironically, it was an apartment in a brand new mixed-use development, Wincoram, in which the state had invested at the request of the LIREDC.

“I went through a really rough period so it was nice the state is helping me get back on my feet, just like I've been helping others,” said Mari, 34, who is raising Kaitlyn, 7, and Ramona, 4, on her own. “I heard about the lottery for the units but I never thought I had a chance and then I got a call I was picked! I really felt fortunate.”

Mari was not alone in her plight. Long Island is the most difficult downstate suburb for anyone to find a rental, much less an affordable one. *“When you look around for homes, everything is first and last month rent plus a deposit,” said Mari, who qualified for rent subsidies. “Or they don't rent to someone with kids or a single mom or you don't have good enough credit.”*

The LIREDC has made it a priority to close the affordable rental gap, and Wincoram – a project by Conifer and the Community Development Corp. of Long Island – fit the bill. That it replaced an abandoned movie theater had the support of local officials and community groups also met LIREDC's desire to promote collaborative and inclusive projects. *“The multiplex was such an eyesore for so long,” Mari said. “Now it looks so pretty.”*

Now, just as Wincoram transformed a community, it also was a new start for a grateful mother and her two little girls.

Infrastructure Rebuilding Long Island “Resiliently”



Key Strategy: *Rebuild and expand infrastructure to improve job access, revitalize downtowns and transit hubs, speed trade and attract and retain dynamic regional businesses and highly skilled workers.*

If we build it, they will come – businesses, researchers, residents of all ages, interests and income levels – and so they would. In the five years since the Long Island Regional Economic Development Council crafted the crucial strategy above, in places where Not-In-My-Backyard resistance had blocked one proposal after another, we have cut the ribbons for hundreds of units of affordable, smart-growth, transit-oriented apartments in downtowns across Long Island. We have seen thousands of yards of new and refurbished sewers, along with modern sewage treatment plants, bring the hope of cleaner water and denser development in one business district after another. We have watched new streets, parks and other pedestrian amenities, including parks and parking garages, create safer, less congested and more appealing commercial and residential neighborhoods – including some of our poorest. And in the middle of many of these transforming projects is the LIREDC, bringing both our consensus building and state investments. As expensive and sometimes as controversial as large infrastructure initiatives can be – usually far too costly for small, suburban villages and towns to handle on their own – the leadership and leverage of the LIREDC made a difference on the ground.

In the spirit of continuity and keeping promises, we have managed to push ahead important infrastructure projects that have been years in the planning, nurturing them with multiple awards since the council was formed. But we also have created a pipeline of new projects each year to further our strategies and goals and impact more communities. We know that we can't afford to focus too narrowly or to rest on our laurels.

After five years of working together – with our work groups and stakeholders, including local governments – we know full well that for Long Island to remain competitive, we must make sure that our infrastructure investments balance the needs to protect our environment and encourage economic growth, now and in the future. Long Island must increase utilization of advanced wastewater treatment techniques and traffic congestion mitigation measures. Investing in infrastructure upgrades and expansions, as well as reusing existing resources, will help Long Island lead the state as a model for sustainable communities. Long Island will demonstrate its leadership by increasing coordination between regional and local agencies and building on its strengths, including its environmentally and economically valuable natural assets, regional mass transportation opportunities and clean energy initiatives.



WHAT WE'RE DOING ...

By layering in a mix of public amenities, such as public plazas, open spaces and public art, we will continue to enhance the quality of life for residents, workers and tourists. Redevelopment projects, such as our signature Wyandanch Rising, will help stabilize and strengthen communities and encourage people to reinvest in their businesses and homes. As such, the planning and design of these projects are as important as their size and location. With over 100 downtowns and nearly as many rail stations, Long Island has a wide range of places that potentially support sustainable smart-growth development that adds to what already exists and improves the overall quality of life throughout Long Island.

Last year Governor Cuomo and local leaders initiated a series of actions to reduce harmful nitrogen pollution on Long Island. These actions included funding for proposed sewer projects in Suffolk County and upgrades to the Bay Park sewage treatment plant in Nassau County. The LIREDC will advance efforts to expand sewer capacity throughout Long Island and allow for mixed-use and transit-oriented development projects, especially those that promote a variety of housing types and prices while increasing the supply of rental homes on Long Island. Chief among these are Wincoram Commons, Glen Cove Piazza, Meadows at Yaphank, Ronkonkoma Hub, and the Glen Cove Waterfront Connector.

We are building them and people are coming – but we still have so much more to build and are looking forward to continuing Long Island’s transformation, one “cleaner, greener” and more appealing community after another.



Progress in Construction



Wincoram Commons. This \$56 million project will provide affordable rental homes in a new, mixed-use, smart-growth community. The project, which residents despaired they would ever see, is a partnership between the not-for-profit Community Development Corporation of Long Island and for-profit Conifer Realty. A true public-private collaboration, the town and local civic leaders created the vision that the builders are executing. The first residents are expected in September, and project completion is expected by the end of 2015. A controlled demolition of a former

theater was completed last year, making way for development of a public plaza and green space. A groundbreaking ceremony was held on May 1, 2014. The project is expected to create 150 construction jobs and 35 permanent jobs, producing 176 mid-rise affordable rental homes and 13,300 sq ft of commercial space. The project also requires significant infrastructure work, including sewer connection to a nearby treatment plant. A site connector road has been constructed and serves as the main street of the community. The project has been developed under the Town of Brookhaven’s Blight to Light Initiative that provides incentives for redevelopment of blighted and vacant sites.

Glen Cove Piazza. A \$50 million mixed-use project in the heart of downtown Glen Cove will help revitalize the downtown by adding residential and commercial buildings around an appealing public plaza that will become a gathering place for residents and visitors alike. The first phase was completed in May 2015 with the opening of Panera Bread and the addition of 42 full time jobs in Glen Cove. Site clearing for phase 2 started in July 2015 with construction scheduled to begin on the first of three planned buildings during the last quarter of 2015.



WHAT WE'RE DOING ...



Meadows at Yaphank. The 322-acre site will ultimately accommodate a mixed-use development offering both affordable and market-rate homes that will meet the needs of nearby Brookhaven National Laboratory and Stony Brook University to house visiting researchers

and faculty. Off-site roadway improvements and construction of the project's new Boulevard and internal roadway network is underway. Required sanitary sewer upgrades of the pump station and infrastructure have been approved and are under construction. Natural gas, water, electric, and communications utilities are currently being run to the site location. The \$51 million phase of the project constructing 240 apartments has been fully approved and is being built. The first residential units will be available for occupancy later this year. Creating an estimated 80 construction jobs, this initial phase will be completed by September 2016.

Progress in Planning

Ronkonkoma Hub. The transformative Ronkonkoma-MacArthur Transit Hub continues to make progress through the planning and permitting process. TRITEC, the master developer, is in contract with five property owners that control 17 acres within the 53-acre redevelopment area. This project epitomizes transit-oriented development principles. The Long Island Rail Road's busiest station is within the 53 acres, and Long Island MacArthur Airport is adjacent. In addition, TRITEC is working with other land owners and the larger community to revitalize a blighted area while creating a mixed-use, walkable community serving as a gateway to eastern Long Island.

Strategically located between the Long Island Expressway and MacArthur Airport, the Ronkonkoma Hub will be at the center of road, rail and air transportation. Groundbreaking is expected by late 2015 and will include 489 multifamily homes. The second phase of the project, scheduled for 2016, will entail mixed-use development including residential, office and retail components.



Glen Cove Waterfront Connector. The project will link up with other redevelopment activity in the city and transform a one-mile, degraded and inadequate roadway into a "complete street" with new pedestrian sidewalks, sewer, water, and electrical utilities, and storm management infrastructure. In addition, the roadway will be elevated, with utilities relocated underground, providing resiliency measures for major storms. Design plans have been approved by both the City of Glen Cove and NYS Department of Transportation. An RFP for construction management and inspection was

subsequently issued. Right-of-way acquisition is complete with a contract for construction of the connector road expected to be in place late this year.

WHAT WE'RE DOING ...



East Farmingdale Downtown Center. The Town of Babylon plans to redevelop approximately 136 acres in East Farmingdale with new businesses as part of mixed-use development along Route 110. Home to 20 percent of Suffolk County's work force, the corridor is the largest job center on Long Island, with much of it concentrated in East Farmingdale and Melville. The Downtown Center would be a regional destination with new development around the

planned Republic Railroad Station, including retail, residences, public spaces and parking. It also could become a major transit hub. In Round Three, Babylon received \$200,000 from NYSERDA and \$500,000 from ESD to advance site planning. After accepting ESD's Incentive Proposal in March, 2014, the Town executed a contract with NYSERDA six months later. The Town is reviewing responses to RFPs for these planning activities and anticipates awards being made by the end of September, 2015. In addition, the Town is also nearing completion on related planning projects, including the Route 110 Alternatives Analysis for north-south Rapid Transit centered on the East Farmingdale site.

James D. Conte Community Center. Environmental remediation and renovation of the vacant state armory in Huntington Station has officially begun. The work will include asbestos removal and cleanup of hazardous materials currently existing within the Brownfield Opportunity Area. Environmental engineers are monitoring the remediation phase with its completion anticipated by the last quarter of 2015. The James D. Conte Community Center will help meet the demand for improved services and investment in the area. Round Four funding will support the construction including the creation of 124 construction jobs in this low and moderate income, substantially minority community. The project has been a focus of the town for many years and is a priority of the LIREDC.



Protecting Suffolk County's Water and Improving Coastal Resiliency. Long Island faces no greater challenge than protecting its drinking water from nitrogen infiltration. This threat is due primarily to failing septic systems and cesspools, and thus requires major infrastructure investments at the county and homeowner levels. Consistent with recommendations of the LIREDC, as well as Governor Cuomo's 2100 Commission Report, Suffolk County proposes to strengthen the south shore by reducing nonpoint source pollution and restore wetlands.

The project will provide advanced wastewater infrastructure towards reducing nitrogen amounts currently discharged into the Carlls River, Connetquot River, and Forge River. Suffolk's Department of Public Works is currently finalizing the RFP for selecting design consultants and will have the first one issued by end of Summer, 2015 (Forge River). Further plans call for the additional two RFPs to be ready shortly and execution of a contract by November. Improving wetlands through nitrogen reduction will not only have environmental benefits, but will also mitigate property and business losses from future storms.

WHAT WE'RE DOING ...

Round Five Priority Projects continue to foster the realization of the LIREDC strategies



Nassau HUB. Since the inception of Regional Councils, the LIREDC recognized the 77-acre parcel surrounding Nassau Coliseum as one of the most significant redevelopment opportunities in the region. The HUB sits in the heart of Nassau County, surrounded by Hofstra University, Nassau Community College, Museum row and numerous office buildings. Zoning allows up to 3 million square feet of development that will, at full buildout, create an estimated 8,500 jobs. The LIREDC has supported the HUB in previous funding rounds – two \$500,000 grants to the County and one \$1,000,000 grant to the developer. After previous false starts, it appears that

the HUB redevelopment is taking shape and the LIREDC once again recommends funding for required infrastructure work. Developer plans call for a complete renovation of the Coliseum, creating a smaller 13,000 seat venue to host sports and entertainment. Renovations are expected to be complete by the end of 2016. In March of this year, Memorial Sloan Kettering announced plans to build a \$140 million cancer outpatient facility and parking garage on five acres at the site. This is significant as Nassau hopes to create a major biotech hub within walking distance to Hofstra / North Shore LIJ Health System's new \$25 million medical school.

Peconic Crossing addresses the significant affordable housing challenges in our region. The \$18 million project by the CDC of Long Island will create 48 mixed-income units of housing with preference given to residents displaced by Superstorm Sandy. Further, the project will increase the variety of housing opportunities for low-and moderate-income households, a goal identified in the Town of Riverhead's Comprehensive Plan. Peconic Crossing is a significant component of an effort by the Town to revitalize the downtown area of Riverhead, facilitating a walkable downtown connected to the nearby Peconic River. The project will create 93 construction jobs and will utilize LIREDC supported funding to construct associated infrastructure including on-site stormwater management and parking facilities.



Babylon's Brewery Incubator project will renovate and equip a derelict facility, transforming it into an incubator space for Long Island's growing craft beer industry. The building has sat vacant for decades and remains an eyesore to the local community as well as those traveling through the hamlet. The Town's Industrial Development Agency will demolish the existing structure and construct a similar sized facility with individual working space for up to 10 brewers. A tasting room will allow tourists and locals the chance to enjoy local craft beer while tenant microbrewers get to show off their products. The \$12 million incubator development project, supported by the LIREDC, will create 40 construction jobs and provide new employment opportunities for local area residents among its tenant brewers.

WHAT WE'RE DOING ...



Discovery Park will repurpose an underutilized Federal parcel, creating a research village that enhances services for the growing community of visiting researchers at Brookhaven National Laboratory. Attracting over 4,000 visiting “users” each year, efficient, low-cost housing capacity is needed to support the accommodations currently provided on-site. Modern office space is also required to provide a work environment suitable for world-leading research and operations staff. The public-private partnership research campus will promote STEM education

opportunities and public access space that integrates Discovery Park with the local and regional community. Funding for the \$10 million infrastructure phase of the project, supported by the LIREDC, will lead to 80 construction jobs.

Federal Inspection Services station (FIS) is being developed at Long Island MacArthur Airport to accommodate international arrivals, predominantly from Europe, the Caribbean, and the Western Hemisphere. The station would promote economic growth on Long Island in the form of business development and tourism while opening the door for Foreign Direct Investment on Long Island. The project will enable MacArthur Airport to offer international flag carriers an attractive destination alternative while increasing airport revenue and bringing new jobs to the region. Round Five funding to support construction of the proposed \$10 million FIS project and the creation of 150 construction jobs is supported by the LIREDC.



LONG ISLAND
MACARTHUR
AIRPORT

The City of Glen Cove will construct a three-tier, 350 space multimodal transportation option -



Ferry Terminal Parking Structure - to provide residents, employees and commuters a viable transportation alternative near the City’s new ferry terminal on its waterfront. The \$11 million parking structure project, located on a former Superfund Site at Garvies Point, will create 50 construction jobs and is supported by the LIREDC. The facility also includes adaptive space, when not utilized for parking, to accommodate public events including small business workshop seminars through an active partnership with regional Small Business Development

Center resources. Building construction sustainability, noting the goal of returning the property to its community for reuse in a healthy environment, will incorporate roof top solar panels, electric car recharging stations and bike racks and lockers.

Our continued effective planning ensures balanced growth. In Suffolk County, more than 25 percent of the total real estate is in dedicated park lands. Regional successes with our marine environment including the Peconic estuary bay system have been the result of responsible project decisions. We have world-class centers of scientific research and innovation, close proximity to New York City and its capital and high tech markets. To reach its potential, Long Island must increase its capacity for moving people from one place to another and provide the public transit-oriented options for living and working. Our growth will be based on true local and regional needs, as well as a balanced approach to economic development and environmental protection.

Long Island Regional Economic Development Council and Superstorm Sandy



Key Strategy: *Protect the region from the perils of climate change by focusing on collaborative regional efforts to harden our infrastructure, businesses and homes against the next major storm and to encourage transportation, energy and construction policies that reduce our vulnerability and carbon footprint.*



When Sandy surged ashore on October 29, 2012 with unsurpassing savagery, we literally didn't know what hit us. While its winds weren't strong enough to categorize it a hurricane, it was too strong to be called a tropical storm. So meteorologists and the media would christen it Superstorm Sandy for the devastation it visited upon hundreds of thousands of people and dozens of communities. And it changed the way many of us looked at life on Long Island, especially by our beloved beaches.

"The storm taught us that with the beauty of the shoreline also comes vulnerability," said Kim Skillen, a member of the state-organized New York Rising community-based committee that created Babylon Village's recovery plan. "We knew we had to do things differently when it came to preparing for natural disasters."

Right after the storm, Governor Andrew Cuomo created New York Rising, which brought together federal, state and local resources to help communities not only recover but to rebuild more resiliently. As part of this complex initiative, which would drive more than a billion public dollars to Long Island, the areas that absorbed the most damage were organized into Community Reconstruction Zones with committees of respected local residents aided by expert consultants. Their charge was to focus not just on the here and now, as urgent as it was – not just on disaster preparedness, as obvious as that was – but on a future they may not have imagined before the storm.

"The Mastic Beach committee and the community agreed right from the start that it is not acceptable to simply restore the community to what it was before Sandy," said the community's New York Rising report. "That would be a squandering of an opportunity to revive Mastic Beach... that may never come along again. That's why the committee focused early on strategies that would protect our natural and cultural assets in ways that both improve our resiliency and encourage economic development."

And that's where the LIREDC came in. As much as New York Rising and its vast resources were able to accomplish in the wake of Sandy, official after official noted that the funds they received were only enough, at best, to replace what their communities had lost. If they wanted to move ahead with job-creating economic development, including many proposed by the community recovery committees, they needed more – and needed to do more. In 2014, the LIREDC jumped in to fill the breach. That year, as well as this year, the council encouraged communities to file CFAs and apply for development funds for projects from upgrading sewage treatment plants to developing or executing downtown revitalization plans. These projects were intended not for direct storm recovery efforts but for developing their economic resiliency.

WHAT WE'RE DOING ...

In Round Four, the state supported two projects that had their origins in the NY Rising community committees:



Nassau County Storm Water Check Valves / Flood Mitigation Project. The County has begun to develop the scope of the design/engineering request for proposals (RFP) for this project to install sophisticated and reliable valves to hold back surging stormwater in a storm. During this phase, coordination with other County DPW divisions, such as traffic engineering and civil/site engineering, is critical. Coordination is required to ensure that all facets of the improvements are accounted for in the design scope.

Beech Street – Park Avenue Drainage Improvement Project. Nassau has begun to preliminarily assess and identify ownership of storm water outfalls along a County right-of-way (Merrick Road) at key flooding locations. Key outfalls in County ownership along Merrick Road will be the subject of the first phase, or pilot project, for the installation of backflow prevention. Upon completion of the inventory, the County will issue an RFP for the design of the outfall retrofits.



Among the New York Rising proposals the LIREDC is supporting in Round Five:



Baldwin Downtown and Commercial Corridor Resiliency Plan. The proposal for “Complete Streets” improvements along Grand Avenue in Baldwin’s downtown will create a safer and more accessible multi-modal thoroughfare. Grand Avenue sees significant foot traffic and there is direct transit access to the Long Island Rail Road Station and NICE Bus routes N5 and N35. This area has the potential to provide new linkages to major employment centers throughout the region.

Copiague Downtown Revitalization. Copiague, an economically underserved area, offers a significant transit-oriented redevelopment opportunity and its NY Rising developed plan for a mix of housing and small businesses and the infrastructure to support it is in perfect alignment with the vision of the LIREDC. Notably, the project responds directly to two of our key strategies: “Develop innovation and industry clusters in transformative locations across the region - including downtowns, brownfields and university, research and medical centers - by integrating the smart growth principles of transit-oriented development and vibrant community life” and “Rebuild and expand infrastructure to improve job access, revitalize downtowns and transit HUBs, speed trade, and attract and retain dynamic regional businesses and highly-skilled workers.”



WHAT WE'RE DOING ...



Mastic Beach Comprehensive Plan. The Village of Mastic Beach is requesting funding for a plan to map its future based on new Sandy-inspired flood zones and research on sustainable, resilient and energy efficiency projects that can tie its valuable shorefront with a new downtown. Another community-driven NY Rising project, the comprehensive plan will provide direction for revitalization of businesses while transforming the area into a walkable business district. When Sandy devastated Mastic Beach, the village already was experiencing economic distress and the destruction only added to the burden. But the NY Rising process helped create a consensus behind creative development initiatives to promote business growth and affordable housing in an environmentally responsible manner.

Long Beach Park Avenue/Beech Street Streetscape. No Long Island community experienced more mayhem from Sandy than Long Beach. Nearly three years after the storm, it is still visibly rebuilding. “Much progress has been made however more needs to be done to be more resilient to future storms,” the city’s CFA said. “Recovery funding often fails to make the City whole much less become more resilient for the future. [Additional] funding is critical in order to fully implement the project as well as prepare the City in the event of future natural disasters.” This proposal is phase one of a priority project outlined in the NYRCRP. The project, in the city’s central business district, seeks to implement the first critical phase towards creating a more resilient and connected commercial corridor between Long Beach Boulevard and Grand Boulevard. These improvements, including bike lanes and bulb-outs, address significant access and safety issues by reducing conflicts between motorists, pedestrians and cyclists. It also has the potential to alleviate immense parking demand due the city’s confined geography as a barrier island with a population that doubles during the summer months, and to generate essential economic activity while encouraging alternative more environmentally friendly modes of transportation and transit-oriented development.



The LIREDC is committed to partnering with Sandy-ravaged communities, helping them to make the jump from recovery to resiliency, from storm protection to job creation.
Now we know what hit us – and what we need to do.

WHAT WE'RE DOING ...

Cleaner Greener Communities

Where Innovation Meets the Environment



We need to be “cleaner” and “greener” but we also need to grow. That’s what made the simultaneous creation of the LIREDC and Cleaner Greener Communities program in 2011 so serendipitous for Long Island. Right from the start, the LIREDC declared that preserving and protecting the environment had to go hand in hand with sparking the economy. The Cleaner Greener Communities initiative – which, like the Council, brought together stakeholders from across Long Island – delivered the detailed roadmap for achieving sustainable growth. Thus, the LIREDC and Cleaner Greener have complemented each other toward reaching their mutually compatible visions and strategies to produce jobs that improve the environment. That’s the double dividend of green jobs, now and in the future.



Based on the Cleaner Greener plan and LIREDC recommended investments, Long Island has gained ground in the fight to grow at the same time we protect our air and water and preserve open space. Funding by NYSERDA under the Cleaner Greener Communities program is provided in three categories; the first two have been directed towards municipal sustainability efforts, code adoption, and planning. Category three is available for community scale projects that advance energy efficiency and renewable energy, reduce greenhouse gas emissions, and promote economic development benefits. NYSERDA has awarded over \$15 million to Long Island projects over the past four years, including innovative initiatives in green transportation, composting technology, green and transit-oriented construction, and education and outreach. Individually and collectively, these have worked extremely well for the region’s environment *and* economic development.



Projects are evaluated partially on how well they align with the Regional Sustainability Plan for Long Island. This plan was developed with NYSERDA funding by a Cleaner Greener Consortium made up of multiple Long Island organizations and municipalities, and published in 2013. The plan sets out sustainability goals in the areas of energy and greenhouse gas reduction, housing, transportation, land use, waste management, and water. The plan has served as a guidance document for assessing projects during the past two rounds of LIREDC funding.

WHAT WE'RE DOING ...

Since Long Island is on the front lines of sea level rise and storm issues, lest anyone forget Superstorm Sandy, these efforts tie in with state goals of resiliency as well. In response to Governor Cuomo's Reforming the Energy Vision (REV) plan, NYSERDA launched a NY Prize competition this year to assist with funding for distributed generation microgrid projects for critical infrastructure such as hospitals, sewage treatment plants, and fire stations. Fourteen projects on Long Island received awards in 2015 for the production of feasibility studies. Microgrids can include renewable and traditional generation sources, and improve local electrical distribution performance under normal operating conditions, as well as being able to “island off” and continue functioning during times of electrical grid outages.



Another one of Governor Cuomo's initiatives, NY Sun, has also helped Long Island support its strong solar industry. The program has provided financing for hundreds of Long Island residential and commercial solar installations since 2014. Under NY Sun, there are two municipal Solarize campaigns on Long Island, in the Towns of Brookhaven and Southampton. These short-term community-driven initiatives coordinate groups of potential solar customers, and match them with solar installers that can offer discounted

pricing. The new solar users helps move New York towards its goal of generating 50 percent of its energy from renewable sources by 2030.

Overall, consensus and coordination has been a key. For instance, the presence of a NYSERDA Economic Development Growth Extension Regional Outreach contractor at all of the LIREDC working group meetings over the past two years has helped provide a conduit to address questions and facilitate applications.

Here is a progress report on Cleaner Greener projects funded in 2014's Round Four:



Town of North Hempstead Electric Vehicle Charging Station Consortium.

Eight Long Island towns and one County are joining to establish a network of EV Charging Stations that would alleviate consumer concerns about buying electric cars. As gas-burning cars and trucks are the second greatest generator of greenhouse gases, increased use of electrics would reduce emissions and result in cleaner air. The project will include a feasibility study to determine design specifications and locations. Each town will facilitate the construction of four Level 2 charging stations for a total of 32 dual head units and develop unified building codes for their construction. This project supports three sustainability plan goals, including increasing the number of alternative fuel vehicles in municipal and private fleets; expanding the charging infrastructure to allow widespread usage; and promoting incentives for electric and alternative fuel vehicles for public and private sector fleets.



WHAT WE'RE DOING ...



Smithtown Composting Facility Study: This two-part project, first, will produce a study that evaluates the potential impacts of indoor organic waste processing (composting) facilities and identifies best practices and successful regulatory frameworks. Then the study – which could influence other municipalities – will guide the development of an ordinance amendment that would allow such facilities. The Town is reviewing proposals. We estimate the Town could save up to \$1.5 million annually in tipping fees. It would also reduce the cost of transportation to truck organic waste out of the Town. We also see lower greenhouse gas emissions from reducing the number of vehicle miles traveled. For every 1,000 tons of organic waste composted, the Town and its vendors would save

about 560 gallons of diesel fuel per year. In 2010, the Town transported approximately 13,000 tons of yard waste to facilities outside the Town. The study and ordinance is intended to serve as a model for other municipal and solid waste entities and municipalities.

East Hampton 100% Renewable Plan. East Hampton Town recently became the first municipality in the east coast to adopt the transformative goal to produce 100 percent of electricity needs with renewable energy sources by 2020 and then producing 100 percent of electricity, heating, and transportation with renewables by 2030. Since the Town's adoption of these community goals towards energy independence, the state has been a strong partner in providing the Town with opportunities for implementable actions. The Town was awarded funding to draft a plan expected to serve as a model for coastal communities across New York State as other municipalities adopt energy goals. Known as DREAM, the plan will guide the Town in reducing 370,099 metric tons of carbon dioxide equivalents by 2030. The Town is planning



an extensive community outreach to educate the community about our goals, phantom energy, and unplugging unused electrical devices. The Town believes creative public engagement can yield significant benefits by inspiring slight behavioral changes.

Complete Green Homes. The Sustainability Institute at Molloy College applied for the project that will build upon the success of a prior “Long Island Green Homes” project. It is a consortium made up of six Townships and four nonprofit organizations to conduct outreach on energy efficiency and renewable programs for the residential sector, and also to monitor success by tracking completed projects in one central database. The project will provide expert staff to guide customers through the process, from applying for a program to having a retrofit or renewable job completed. This system allows for residents to hear a consistent message and be part of meeting the state's overall goals of greenhouse gas reduction. The program is targeting a public roll out for this October.



LONG ISLAND
GREEN HOMES

WHAT WE'RE DOING ...

Proposed Cleaner Greener Communities for Round Five That Align with the Regional Sustainability Plan for Long Island:



East Hampton Housing Authority Passive House Affordable Development. This proposal is for a mixed use residential Passive House development for residents earning between 30 to 90 percent of area median income. It will have 40 units and a small common house including 4 units of commercial space to provide services to residents. The Authority also owns a 17-unit residential rental property in the adjacent village. Passive Houses make use of the best practices in energy efficiency and achieve an 85 percent reduction in the heating and cooling load as opposed to the state code. Passive Homes are designed to super-insulate the envelope against heat loss due to leaks and thermal transfer. The project also includes two bike share kiosks, two level 3 Electric vehicle

chargers, and a solar PV system and car port sufficient to meet the electrical needs of the new site, with a display kiosk in the community building to help educate residents and guests. The development is transit-oriented, located right on the main road of Amagansett within .3 miles of both rail and bus stations, and is .5 miles from the hamlet center. Newsday has reported the extensive need for affordable housing on the South Fork of Long Island, and this project would help alleviate some of that need while serving as a green development model.

Green LGBT Service Center. In partnership with the Long Island Chapter of the U.S. Green Building Council, the LGBT Network is proposing to renovate an 8,000 sq. ft. facility on two acres to create the first eco-friendly community center in Patchogue for Long Island's significant and growing LGBT community. The renovation would expand the square footage to 14,000 sq. ft., and address a multitude of needs for the LGBT community including employment, homelessness, health care, mental health, HIV/AIDS, and an overall safe space to access services. It will incorporate a health center, computer center to support a workforce development program, gallery space, conference and meeting rooms, mental health counseling rooms, landscaped outdoor meditation space, and a playground. The facility will incorporate a range of green materials and technologies. The Green Building Council will help design the facility and guide green efforts. The goal is to achieve either LEED Gold or Platinum status.



New York State Community Partnership program. Cameron Engineering is partnering with Solar1 in Manhattan, Sustainability Institute at Molloy College and Community Development Corporation of Long Island (CDCLI), in their Cleaner Greener Communities application to create a New York State Community Partnership (NYSCP) program, which is one of NYSERDA's "preferred eligible project types." While Solar1 will focus on New York City, Cameron Engineering and its partners, the Molloy Sustainability Institute and CDCLI, will continue to serve as Regional Support Contractors (RSCs)

for the Long Island region as they have previously done via the Climate Smart Communities and the Economic Development Growth Extension (EDGE) Regional Outreach Contractor programs, respectively. The partnership provides an important service in driving clean energy action. Ideally, this project will be one of several across the state to assist it in achieving its climate change and greenhouse gas reduction goals as stated in the NYS Energy Plan.

WHAT WE'RE DOING ...



United Way Deep Energy Retrofits for Low Income Homes.

United Way is proposing a team project to assist low income housing communities, with aging stock, to achieve energy efficiency savings via deep energy retrofits and renewables. Part of the project involves selecting several homes in the Wyandanch Homes and Properties development to be used as a case study. Titled “Cleaner Greener

Long Island,” the project is a cooperative venture between not-for-profit housing providers, municipal government, the Wyandanch Opportunity Agenda partners, the Long Island Coalition for the Homeless, the Health and Welfare Council of Long Island and others. Housing stock includes group homes, AIDS/HIV housing, government assisted housing, senior and veteran’s housing, domestic violence housing, homeless housing, Section-8 housing, runaway housing, housing for persons with special needs, substance abuse housing. The program builds on the success of United Way’s YouthBuild program and leverages funds from Project Warmth. Other organizations will be able to replicate the model to reduce greenhouse gas emissions while reducing utility costs for low-income individuals.

East Hampton Hamlet Plans and Business Study.

This project will integrate a planning and economic study to ensure that the Town of East Hampton allows business to thrive while meeting the needs of our hamlets within the context of the Comprehensive Plan and 100% renewable energy goals. The project will focus on two areas which require different planning tools and methods, the local waterfront revitalization area and downtown hamlet centers. This request is being made to the NY Department of State – Local Waterfront Revitalization Plan and NYSERDA Cleaner, Greener Communities Category II.



NEW YORK
STATE OF
OPPORTUNITY



PAUL FARNHAM
MONTAUK DOCKS

Like fishing, sustainable economic development sometimes takes time and patience. Ask Paul Farnham, a Montauk fish dock operator, who has successfully pursued both fishing and development in one LIREDC-supported project.

Farnham, whose family has fished for generations for everything from scallops to swordfish, gave up the danger and uncertainty of life at sea for the relative security of processing fish on shore. As Paul likes to say, "Fishing is in my blood" – whether off shore or on shore.

Within a couple of years at a facility in Montauk, home to the state's largest fishing fleet, he bought out his boss and eventually partnered with Perry Duryea III, whose family's name is iconic in fishing and political circles. It wasn't long before Montauk Docks became a thriving business. With the fishing industry always seeming to struggle due to economic, regulatory and other issues, however, Montauk Docks faced continuous challenges.

The biggest was an electrical fire in May 2012 that wiped out part of his facility. Insurance alone would have allowed him only to rebuild back to where he was. To grow his business, which could create more jobs and more attract boats, Paul needed capital. He found it through ESD. The work was completed in about a year, but the need to obtain various federal, state and local permits delayed full opening until this spring.

"Now we are on our way," said Paul, who said the new facilities and a Community Supported Fishing program that delivers fillets each week to residents at a discount has added 20 percent to his business. "I see a lot of opportunities to grow on the wholesale and retail end. It's good for Montauk and for fishing. We couldn't have done it without [ESD and LIREDC] help."

Natural Assets



Key Strategy: *Produce a new generation of sustainable, well-paying jobs in the legacy sectors of agriculture, aquaculture, fisheries and tourism by enhancing the economic value of our parks, historic places, and arts venues and organizations, and expanding export opportunities, infrastructure, recreation facilities, research partnerships and workforce training.*

Call us Green Island.

When Governor Cuomo tasked the Long Island Regional Economic Development Council to come up with major themes and strengths of our region, there was no doubt that our Island's natural assets would be paramount. There are no islands in the world with our unique mix of outstanding human and natural capital. From our tourist playgrounds and rich agricultural lands to the east, to the South Shore beaches and Gold Coast parks to the west, Long Island is home to an abundance of natural assets that are central to the region's unique economy.

Over the last five years we have invested in a myriad of projects that sought to use these natural resources for economic development while protecting and preserving them for future generations. This is a fundamental definition of sustainable, responsible growth – the type of growth that reflected the strong desires of Long Islanders who have tried to balance a strong consumer economy with environmental stewardship. Even on an island with a strong focus on high-tech innovation enterprises, we have listened to the voices of entrepreneurs and environmentalists concerned about our natural assets and legacy industries in farming, fishing and eco-tourism. And we looked carefully for projects that reflected their concerns and needs and balanced the economy and the environment. Indeed, we believe that we have selected projects that not only provided jobs, but that also enhanced the natural world around us.

Since the LIREDC presented its first strategic plan five years ago, we have supported several different types of projects in three main areas:

- Enhancing ecotourism activities and infrastructure and parks
- Improving the economic potential for employment opportunities of fisheries and aquaculture
- Strengthening sustainable agriculture enterprises

Three projects were funded over the last five years that bring this idea of economic growth and environmental sustainability into focus within the context of these three main areas.

WHAT WE'RE DOING ...



Improving Peconic Bay Scallops. For several years, the Cornell Cooperative Extension in Riverhead has worked to improve the yield of the Bay Scallop in Peconic Bay. For generations, baymen and bay women worked Peconic Bay for a variety of shellfish including the well-regarded Bay Scallop. But, as a result of red tide and pollution, the Bay Scallop was nearly wiped out. Many people lost their jobs in traditional seafood trade. In recent years, however, Peconic Bay water quality has improved and the Cornell Cooperative Extension has been working hard to repopulate the bay with the native scallop.

Even with the hard work of a strong team, the Extension could not produce enough scallop seedlings to bring back the population to pre-red tide levels. Through investments recommended by the council, that is changing. We funded an expansion of the Cornell operations so that today, there are many people working in the Bay Scallop industry that were not in the past. Now, you can find the delicacy in local restaurants and some of them are exported outside of Long Island. We have turned the corner and improved Peconic Bay while increasing jobs. Today, the value earned from Bay Scallops is 5 times that earned in 2008 and it is believed that over 300 jobs have been created in the process.

Bringing back the Long Island Duck. Long Island has traditionally been the largest producer of ducks in the country. Located mainly on the East End of the island, duck farms used to employ hundreds of workers and has been memorialized with the famous Big Duck tourism facility. Today, however, only one of these historic farms produces ducks commercially due to challenges of globalization and environmental regulation. Corwin Farms, which was recently highlighted in a Wall Street Journal profile (*see: <http://www.wsj.com/articles/corwin-family-operates-what-is-now-the-last-duck-farm-left-on-long-island-1433725226>*), employs nearly 100 people and hopes to expand. Last year, the Council helped to fund an expansion of their hatchery. It will open in the coming year.



What is important about Corwin Farms is that they utilize appropriate environmental controls while also providing important agricultural jobs to the region. Long Island Ducks not only have great value on the international market, they also are important to Long Island's heritage.



The Simple Spud. Another crop important to Long Island is the potato. Once, Long Island was home to tens of thousands of acres of potato fields, most of which gave way to development. Today, few farms grow potatoes and opt for higher value produce like wine grapes or truck crops. However, the Sidor family found a way to make this crop work in Long Island's expensive agricultural landscape. With the help of the council, the Sidors are building a potato chip plant that will add value to their potato crop. Along with this, the Sidors are building a potato museum to memorialize the tradition of potato production on Long Island.

This project is fascinating in that it mashes together several themes of the council. It promotes sustainable agriculture and the development of jobs around food production. It promotes agrotourism by creating a destination where Long Island's tourists can learn about potato production. And it creates a sense of history on the island by memorializing the history of Long Island agriculture through the eyes of a potato.

These three projects provide a glimpse into the work of the council in promoting natural assets over the last five years. Many jobs have been created, lives have changed, and our region has become more sustainable by embracing the natural assets within our economic development vision. We have found a way to create a balance between economic development and the environment. We will leave this world a better, more prosperous place through this process.

WHAT WE'RE DOING ...



**PAULETTE SATUR AND
EBERHARD MÜLLER**
SATUR FARMS

While raising crops is a legacy industry rooted in soil and history, the modern farmer relies more and more on science and technology – and culinary know-how. No farming couple better exemplifies the new direction of agriculture on Long Island than Paulette Satur and Eberhard Müller. And in marrying high-tech with old techniques, none has more quickly and effectively used state investments recommended by the LIREDC.

“The grant funds received from the REDC are what made the expansion of our salad processing facility possible,” said Paulette who grew up on her family farm in Pennsylvania and received a graduate degree in Plant Physiology from The University of Arizona. She “returned to the love of the land” about 20 years ago when she began farming on Long Island to supply produce to her husband Gerhard’s famous New York City restaurants.

Satur Farms was an instant success. Colleagues of Eberhard also wanted greens from the farm so revenues grew 25 percent annually for the first 12 years. “But the past three years our growth had become stagnant,” said Paulette, who employs 70 people. “We hadn’t the space or equipment to increase the washing and packing of our salads and leafy greens.”

The state grant and other public funding eventually allowed Satur Farms to double its processing capabilities. “As a result, this year we leased an additional 88 acres to grow our salads, bringing us to a total of 250 acres on the North Fork,” she said. And that allows this sustainable, social responsible farming operation to pay living wages, appeal to a new breed of consumers looking for local product, naturally-grown and as fresh as possible – and realize LIREDC goals of creating jobs and profits and protecting the land and legacy industries.

As we look forward to the next five-year benchmark, there is no doubt that we are sending a message into the future that we want to preserve our natural assets while enhancing and expanding agriculture and fisheries in our region. We have a beautiful island and we want to keep it that way. The only means to do this is to make clear to everyone engaged with economic development in Long Island that our natural assets are a cornerstone of why we are a strong island.

Round Five Natural Assets Projects.

There are several natural assets themed projects that came before the council. Three, highlighted below, provide a framework for understanding the types of key initiatives we value.

North Harbor Trading Company - High Pressure Processing (HPP) Equipment. In the last several years, new technology has emerged to process food that eliminates the need for expensive Pasteurization. This technology is called High Pressure Processing or HPP. Pasteurization is used to eliminate bacteria in food using heat to kill microbes. Food products can then be shipped or stored for long periods of time.

HPP is different. It does not heat the food, it pressurizes it. Pasteurization often changes the fresh characteristics of food through the heating process. HPP, because it uses pressure and not heat, does not change the character of the food. The pressure only needs to be in place for 3-5 minutes. HPP can be used in a variety of applications, including juice and seafood. HPP can also be used to ensure safety of cosmetics and personal care products. Importantly, HPP can be used for foods like juices, prepared meals, salsas and dips, sandwich spreads, and lunchmeat. Thus, farmers, chefs, cosmetic manufacturers, and the fisheries industry can use HPP.



The important aspect of HPP in the Long Island context is that there is not an HPP in the region. The closest one is in Connecticut. As a result of this, there is little opportunity for Long Island farmers or food producers to utilize this technology. In addition, with the growth of the niche gourmet food market, there is little access for these producers to treat their product for longer shelf life. HPP provides opportunities for a number of different users to gain greater value from their product by preserving it.

This project is expected to create approximately 50 jobs as well as greater opportunities in food production across Long Island. Moreover, its life sciences aspects fit within our biotech cluster.

WHAT WE'RE DOING ...



Suffolk County Agricultural Visitor's Campus. Tourists who come to the East End of Long Island will meet with a multitude of options for things to do. Suffolk County is seeking to build a Visitor's Campus that will help tourists navigate the possibilities available in touring the area. The Campus will provide information on individual farms and other attractions. In addition, local Long Island products will be available for purchase.

Manna Fish Farms—Aquapods Farming in the Atlantic. Long Island has a long and rich history in fishing. The development of Aquapod Farming is a new addition that will help Long Island expand its sustainable fishing industry.



Aquapods are circular structures that resemble some of the geodesic dome shapes of Buckminster Fuller. Manna Fish Farms has a goal of building a 24 pod fish farm broken into several phases. Phase 1 consists of building a single test pod. This will be followed by a second phase with three more pods. The pods themselves are approximately 80 meters in diameter. They will be located in 60 feet of water approximately 6 miles offshore. Each pod will produce 140,000 pounds of striped bass. The pods are somewhat automated in that they are managed via remote control.

The use of this type of Aquapod is considered a sustainable form of fish farming since it is done in the open ocean. There is no wastewater problem to deal with since water flows through the aquapods. The Aquapods, when in place in other areas of the world, have shown to have a positive impact on the environment since the pod is a natural fish aggregate in that it acts like a temporary artificial reef.

Manna Fish Farms believes that the farm will produce 100 jobs through the operation of a hatchery, production of fish food, and the operation of the farm itself.

Great Neck Water Pollution Control District—Digester Upgrade and Receiving Station. One of the most vexing environmental issues for Long Island is water pollution. Of all the pollutants that trouble us, nutrients from wastewater arguably cause the most damage to surface and groundwater. Each year, nutrient-derived algae blooms cause significant economic and environmental damage. Some of these problems are caused old technology for managing sewage and wastewater. Plus, many communities remain on septic or cesspools and have not joined in sewage districts.



The Great Neck Water Pollution Control District, the oldest sewage district in the region, is one of the most visionary on the island in advocating change in its practices. In the last several years, this agency invested heavily in trying to reduce pollution into Manhasset Bay and the Long Island Sound and worked to consolidate sewage districts in order to improve technology. The district implemented many projects that help to ensure that water they release is clean and that promote sustainability within their operations.

WHAT WE'RE DOING ...

Their current project, a digester upgrade and receiving station, promotes both of these initiatives. Currently, they are able to harness methane from the digestion of grease and sludge. This allows them to better treat sewage sludge while also gathering an energy source that helps to run the plant. However, the plant could do a better job of producing methane and reducing sludge by having more food for the bacteria. That is why they need to build a grease collection station. By adding more grease to the sludge they would be able to reduce the hauling of sludge and save on costs by producing energy. Bacteria uses the grease as a food source and helps to decompose the sludge and grease and turn it into methane that is captured for energy.

Now, restaurants and grease haulers in the Great Neck area have to ship the grease long distances. Building a grease collection station at the Great Neck facility will reduce transport costs for the restaurants and waste haulers and thereby turn a waste into an energy resource. In the production of energy, the sludge volume is greatly reduced. This will also save money that would normally be spent hauling the sludge to New Jersey. The district expects to save approximately 30% of their budget via this project.

Significantly, while many more advanced sewage treatment plants utilize this digester technology to draw energy from sewage, this project will be the first of its kind on Long Island. It is hoped that this technology will expand to other areas of the island. They also hope to provide training and workshops on the technology to the community and to other sewage plant operators.

These four projects demonstrate that Long Island is serious about its natural assets. We are expanding opportunities for jobs in agriculture and fisheries while making strides to promote Long Island's unique natural assets to tourists. We are also improving the environment by investing in sewage plant infrastructure while reducing waste and creating energy.

As we look to the future, we have a green island that is creating jobs for today and tomorrow. And we are doing it in the most sustainable way possible.



WHAT WE'RE DOING ...

Path Through History, Arts and Tourism



Key Strategy: *Attract travelers from across the globe by leveraging Long Island's unique heritage and tourism assets to convey our rich contributions to American history, the arts, and culture.*



The Path Through History, Arts and Tourism is a proud one for Long Island. We celebrate these assets and attractions with enthusiasm and reverence. And given the traditional strength of this sector in our region, we knew we could only benefit when Governor Cuomo sought to revitalize these key economic sectors, here and across the state. On Long Island, the Path Through History, Arts and Tourism Initiative has brought about nothing short of a renaissance of revitalization and renewal through a wave of refurbishing and rebranding.

How could it not? Long Island is home to a wealth of historic treasures, incredible beaches, breath taking vistas, and world class wineries that have provided thousands of people with jobs. But we also knew these attractions had the potential to be even more powerful economic drivers for Long Island and the state. The Path Through History Initiative has encouraged and enabled the collaboration of regional heritage, tourism, and arts organizations to develop growth strategies through the Path Through History Vision Plan, crafted by the work group in 2013. This document, by multiple private tourism organizations and state, county, and local government, provides a road map for other organizations seeking improve their appeal and collaborate to attract more visitors. As a result of acting on the Governor's directive, the Island is in a very strong position to continue growth in these crucial sectors.

To kick off the Path Through History Initiative the Governor announced that each region was to be allocated \$100,000 for regional marketing initiatives to boost heritage tourism. Our region's funded projects are now fully implemented. The development of six video vignettes to support six of the 12 State Path Through History themes – Revolutionary War and Colonial Times, U.S. Presidents, Maritime History and Lighthouses, Gold Coast Mansions, Aviation and Transportation, and Arts and Culture – have been completed. Each of these expertly produced videos created by Casbah Pictures is now available for viewing on the Long Island Convention and Visitors Bureau website and will advertise Long Island online and at tourism events. The multimedia marketing campaign executed by the firm Zimmerman/Edelson Public Relations was successful at promoting Long Island's heritage tourism across the region using social media to drive greater visitation to sites and events including the Path Through History Weekends.

WHAT WE'RE DOING ...



New and increased signage also has visibly benefitted heritage attractions. Driving down the Long Island Expressway or through the many towns and villages of Long Island one can see that history is truly all around us. The signs on the roads now signal to tourists and residents alike that a journey to the past is just minutes away.

The Path Through History Weekends also have been successful on Long Island. This year they took place on Father's Day weekend June 8th – 9th which saw the participation of 20 Long Island Historic sites including Walt Whitman Birthplace Historic Site, Long Island Maritime Museum, William Floyd Estate, Cold Spring Harbor Whaling Museum, Nassau County Museum of Art, and many more. In the coming years the work group will continue to spread the word about the annual opportunity to participate in Path Through History Weekends.

Tourism is big business in New York State and the funding typically has a significant return on investment. For instance, the Round Two East End Tourism Alliance project, "Taste the East End," which was awarded a \$335,000 grant from Market NY to launch an East End fall multimedia marketing campaign, generated over \$17 million in economic activity on the East End.

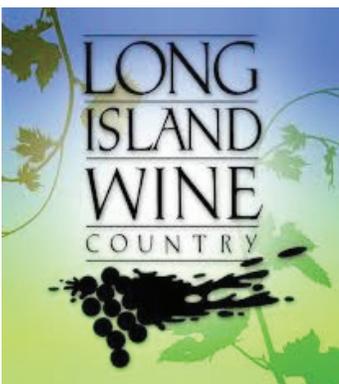


Other successful previously funded projects include:



Winterfest Live on the Vine – As part of our strategy to *promote initiatives that will support Long Island tourism during the winter months and shoulder seasons*, East End Arts Round Three and Four funded projects achieved greater off-season, tourism on the East End by organizing concerts at venues such as restaurants, hotels, and wineries. This initiative has been met with great interest by tourists and resulted in thousands more visits to the East End each winter. Round Five funding will allow Winterfest to become a self-sustainable event, incubated by the Regional Council.

Arts Alive LI – Round Two, Three, and Four projects submitted by the Long Island Arts Alliance to market arts events in both Nassau and Suffolk Counties. This initiative has been an integral part of advertising the many fantastic arts and cultural events held on Long Island during the October Arts Month. Pamphlet advertising has reached tens of thousands of people in our region each year encouraging many more Long Islanders and visitors to participate.



Access the East End – In keeping with our strategy to *develop tourism transportation infrastructure on Long Island utilizing planes, trains, and buses*, this Round Three funded project by the Long Island Wine Council brought tourists out to the East End using private and public transportation. This project included a free shuttle service for Memorial Day and Veterans Day travel, along with a targeted advertising campaign, and resulted in a substantial increase in tourism.

WHAT WE'RE DOING ...



Wyandanch STEAM Center – Aligning with our strategy to *develop centers and programs that cultivate education and entrepreneurship in the Arts and STEAM (Science, Technology, Engineering, Art, and Mathematics) education*, Suffolk County was funded in Rounds Three and Four for a feasibility study and capital grant, respectively, for the development of a STEAM Center in the Opportunity Agenda community of Wyandanch. The feasibility study has been completed by the National Center for Suburban Studies at Hofstra University and Hofstra University Museum, and is under review by Suffolk County. The capital project is expected to commence once Building C in Wyandanch has been constructed.

LI Wine Council Global Trade and Tourism – Round Four project submitted by the Long Island Wine Council to advertise the East End wineries to targeted markets overseas. The project is in the planning stages and is anticipated to start in fall of 2015 with the targeting of markets in Europe and Asia with social media and online advertising and the completion of website translations. As our region looks globally to attract tourism, initiatives like this will help put Long Island on the map as a premier destination.



Planting Field Sensory Garden – This Round Four awarded project has been completed and the grounds of the Planting Fields Park have been renewed. This project replaced a 3,500 sq. ft. overgrown and neglected area near the entrance of the park with a Sensory Garden atop a historic root cellar. Visitors to the garden, which is especially popular with disabled people and their care givers, are now welcomed to the park with a tranquil garden and stunning view of the other gardens below. This project was only possible with the assistance of the REDC funding and is yet another example of the positive impact the Regional Council process has had on Long Island.

Building on our prior successes, in Round Five a number of strong projects applied for funding including from the construction of new facilities at historic sites, the development of parks, construction of new art museums, and targeted marketing of our region. Some of the projects identified by as priorities by the LIREDC include:

The Viva L'Arte – Furthering our strategy to develop the arts in our downtowns, this project will result in the construction of a new contemporary building on a vacant lot on Main Street in the center of historic downtown Riverhead to create the Viva L'Arte Cultural Tourism/ Education Center & Gallery. This site will be mixed use and feature a sculpture gallery from world renowned artists as well as educational facilities, residential space for artists, and public space for additional community engagement.

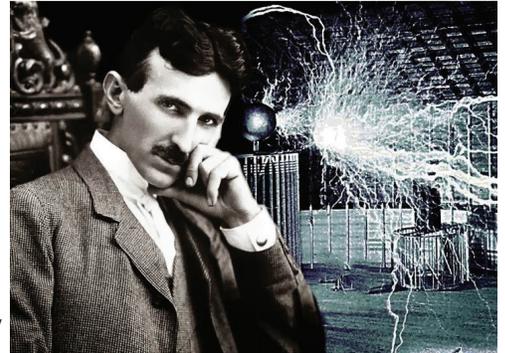


WHAT WE'RE DOING ...



Long Beach, NY: Active and Alive Year Round – In keeping with our strategy to assist Long Island communities recovering from the devastating effects of Superstorm Sandy this project will create a multimedia marketing campaign to drive tourism year round and boost the economic activity of the City of Long Beach.

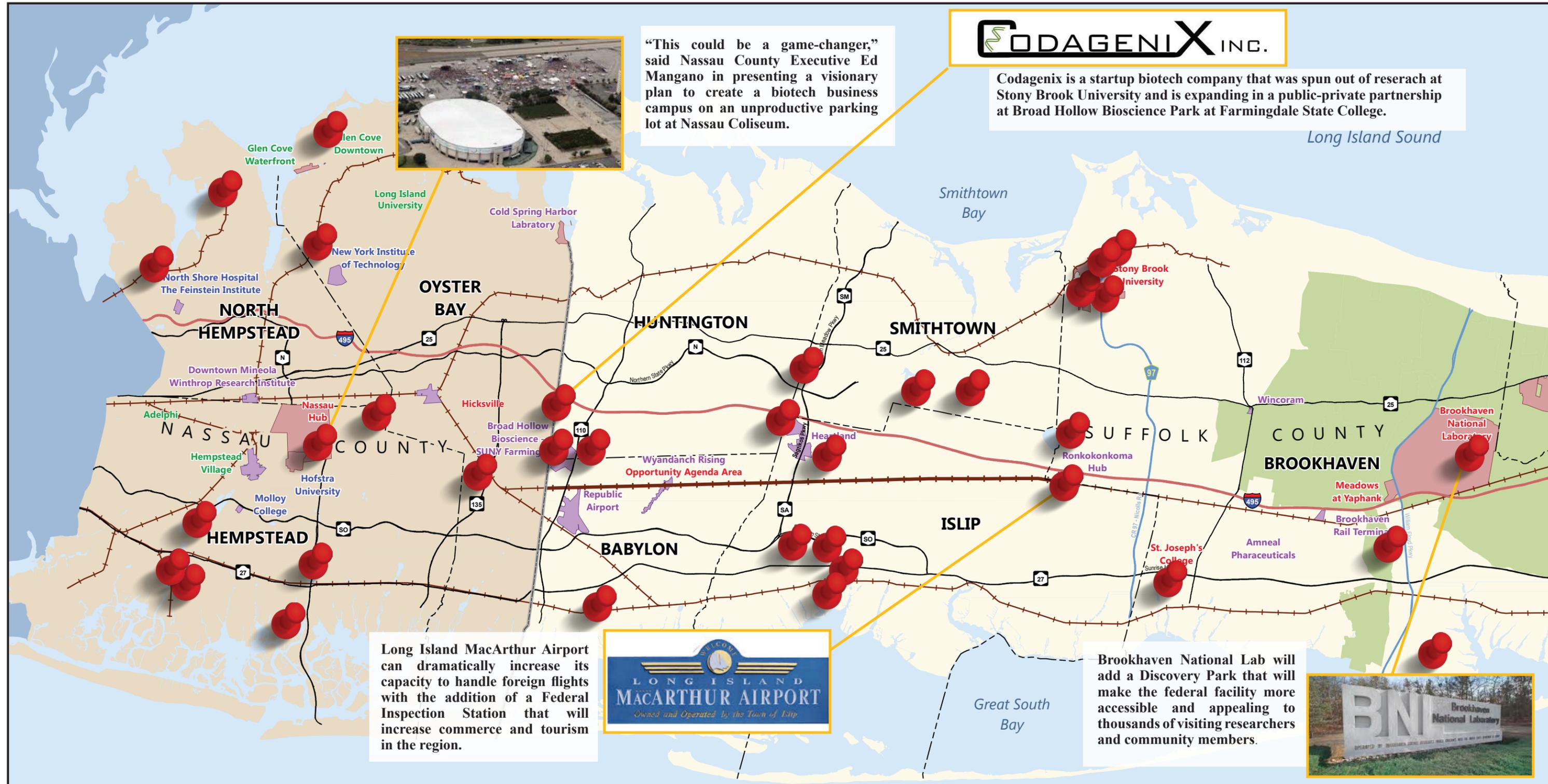
Tesla Science Museum – The Tesla Science Center is proposing a project to renovate the Tesla Science Center at Wardencliffe so that it can open a museum dedicated to Nikola Tesla. The center would include classrooms, a stadium-style auditorium, and other amenities for educational programs. The center has raised almost \$2,000,000 in private funding and is requesting state assistance to complete needed renovations to the facilities before they open to the public. This project applied in Round Four but wasn't ready to move forward and was encouraged to apply this year. Now the project is ready and it only requires state support to make it so. This project also aligns with our strategy to *preserve, restore, and protect our historic, arts, and cultural sites.*



Marketing Plan for Old Bethpage Village Restoration – The Nassau County Department of Parks, Recreation, and Museums is implementing a new advertising and marketing campaign to increase tourism to Old Bethpage Village Restoration (OBVR), consisting of three attractions, the Old Bethpage Village, the Museum of American Armor, and the Restoration Farm, all centrally located on a property owned by Nassau on Round Swamp Road.

The Regional Council process has had an undeniably positive impact on Long Island's regional tourism and arts. Numerous projects have rehabilitated historic structures, enhanced existing tourism facilities, or facilitated the growth of local artists. The funding from Market NY, Parks, NYSCA, and other sources have re-energized these key industries and resulted in significant economic activity from ever larger crowds at our renowned heritage, tourism, and art attractions. As the Path Through History initiative progresses beyond Round Five the region will continue to draw upon the strategies and vision that the work group developed to assure an even more robust future for this key sector.

A Map of Momentum:



“This could be a game-changer,” said Nassau County Executive Ed Mangano in presenting a visionary plan to create a biotech business campus on an unproductive parking lot at Nassau Coliseum.



Codagenix is a startup biotech company that was spun out of reserach at Stony Brook University and is expanding in a public-private partnership at Broad Hollow Bioscience Park at Farmingdale State College.

Long Island Sound

Long Island MacArthur Airport can dramatically increase its capacity to handle foreign flights with the addition of a Federal Inspection Station that will increase commerce and tourism in the region.



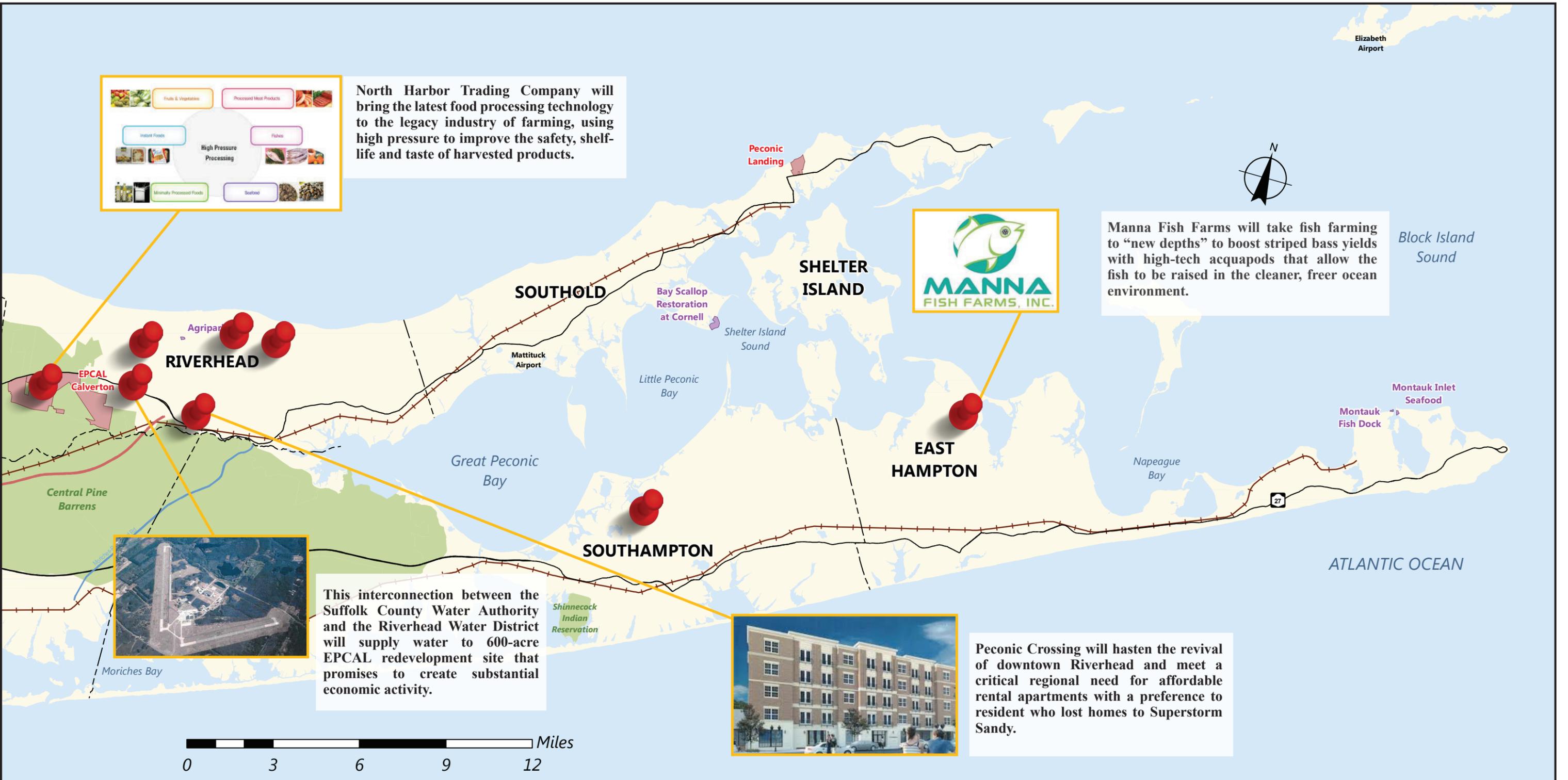
Brookhaven National Lab will add a Discovery Park that will make the federal facility more accessible and appealing to thousands of visiting researchers and community members.



Nassau - Suffolk

Long Island Region

The Long Island Economic Development Council's Priority Projects





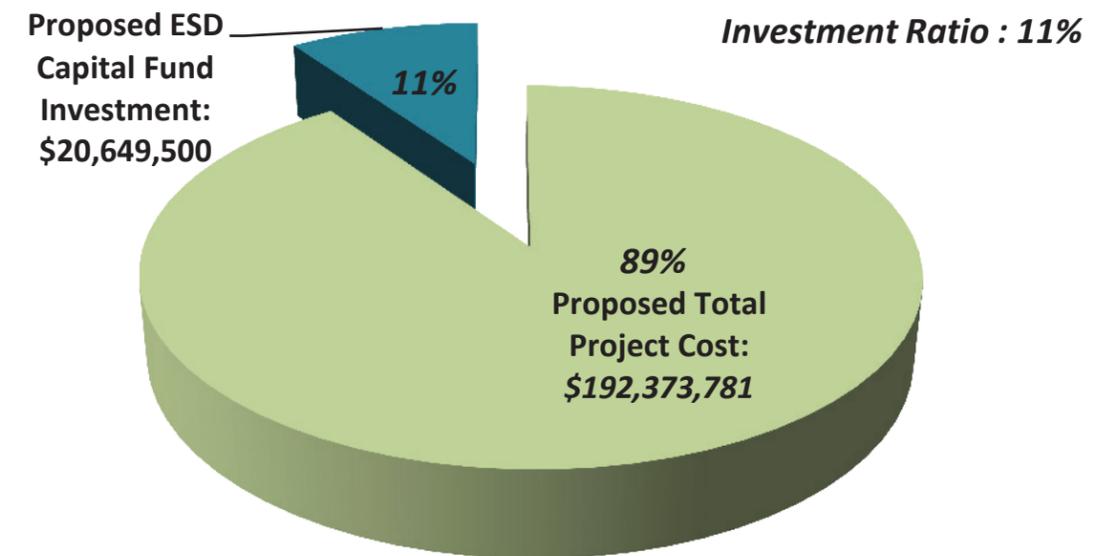
Long Island Regional Economic Development Council

A Map of Momentum

Long Island Regional Council's Selected Priority Projects



Round Five Overall Investment Ratio for Proposed Priority Projects:



*Excluding Public Infrastructure Projects

WHAT WE'RE DOING ...

2015 PROPOSED PRIORITY PROJECTS

Nassau Hub Site Improvements and Connectivity

Nassau County will design and construct infrastructure at the 77-acre Nassau HUB to support current redevelopment of the Nassau Coliseum and to attract high-tech and biotech businesses to the site.

Applicant: County of Nassau



Infrastructure

Total Project Cost: \$19,600,000
REDC Recommended ESD Grant: \$3,000,000
5 Year Jobs Created/Retained: 0
5 Year Jobs Indirect/Construction: 130

Priority Project Funding

CFA#: 55208

| Sources of Funds | | Uses of Funds | |
|----------------------------|---------------------|----------------------------------|---------------------|
| Public Sources of Funds | | Use | Amount |
| Nassau County Capital | \$1,960,000 | Architectural/Engineering design | \$800,000 |
| ESD Capital Funds | \$3,000,000 | Infrastructure site work | \$16,600,000 |
| | | | |
| | | | |
| Total Public Funds | \$4,960,000 | | |
| Private Sources of Funds | | | |
| Private | \$14,640,000 | | |
| Total Private Funds | \$14,640,000 | Total Cost | \$19,600,000 |

Cyclotron and Radiochemistry Laboratory at SBU

Stony Brook University will expand the Cyclotron and Radiochemistry Laboratory to support clinical research and drug discovery.

Applicant: The Research Foundation of SUNY/Stony Brook University



Innovation & Industry Cluster

Total Project Cost: \$13,200,000
REDC Recommended ESD Grant: \$750,000
5 Year Jobs Created/Retained: 5
5 Year Jobs Indirect/Construction: 57

Priority Project Funding

CFA#: 55699

| Sources of Funds | | Uses of Funds | |
|----------------------------|--------------------|-------------------|---------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$750,000 | Construction | \$8,100,000 |
| SUNY Funds | \$6,150,000 | Equipment | \$5,100,000 |
| NIH Funding | \$2,000,000 | | |
| | | | |
| Total Public Funds | \$8,900,000 | | |
| Private Sources of Funds | | | |
| Private | \$4,300,000 | | |
| Total Private Funds | \$4,300,000 | Total Cost | \$13,200,000 |

WHAT WE'RE DOING ...

Discovery Park at Brookhaven National Lab

Brookhaven Science Associates will create a public-private research campus and regional hub for scientific innovation, economic development and STEM education in the Town of Brookhaven.

Applicant: Brookhaven Science Associates



Infrastructure

Total Project Cost: \$10,000,000
REDC Recommended ESD Grant: \$2,000,000
5 Year Jobs Created/Retained: 29
5 Year Jobs Indirect/Construction: 80

Priority Project Funding

CFA#: 54013

| Sources of Funds | | Uses of Funds | |
|----------------------------|--------------------|--------------------------|---------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$2,000,000 | Infrastructure/Site Work | \$10,000,000 |
| | | | |
| | | | |
| | | | |
| Total Public Funds | \$2,000,000 | | |
| Private Sources of Funds | | | |
| Private | \$8,000,000 | | |
| Total Private Funds | \$8,000,000 | Total Cost | \$10,000,000 |

Next Generation Vaccine Development

Farmingdale State College, Nassau Community College, START-UP NY firm Codagenix, Inc. and Broad Hollow Bioscience Park will establish a biotech research consortium by creating laboratory space and adding new equipment.

Applicant: Farmingdale State College



Innovation & Industry Cluster

Total Project Cost: \$38,117,773
REDC Recommended ESD Grant: \$2,250,000
5 Year Jobs Created/Retained: 34
5 Year Jobs Indirect/Construction: 116

Priority Project Funding

CFA#: 56426

| Sources of Funds | | Uses of Funds | |
|----------------------------|---------------------|------------------------|---------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$2,250,000 | Construction | \$7,000,000 |
| Federal NIH Funding | \$12,135,673 | Personnel and Training | \$24,360,673 |
| SUNY Funds | \$19,432,100 | Equipment and Fixtures | \$2,457,100 |
| | | Codagenix R & D Costs | \$4,300,000 |
| | | | |
| Total Public Funds | \$33,817,773 | | |
| Private Sources of Funds | | | |
| Private | \$4,300,000 | | |
| Total Private Funds | \$4,300,000 | Total Cost | \$38,117,773 |

WHAT WE'RE DOING ...

Hofstra University Center for Entrepreneurship Incubator

Hofstra University will renovate the School of Business and establish the Center for Entrepreneurship Incubator participating in STARTUP NY.

Applicant: Hofstra University



Innovation & Industry Cluster

Total Project Cost: \$2,635,000
REDC Recommended ESD Grant: \$700,000
5 Year Jobs Created/Retained: 2
5 Year Jobs Indirect/Construction: 6

Priority Project Funding

CFA#: 57074

| Sources of Funds | | Uses of Funds | |
|----------------------------|-------------|-----------------------------|-------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$700,000 | Construction and renovation | \$1,960,000 |
| | | Equipment and Fixtures | \$300,000 |
| | | | |
| | | | |
| <i>Total Public Funds</i> | \$700,000 | | |
| Private Sources of Funds | | | |
| Private | | | |
| <i>Total Private Funds</i> | \$1,560,000 | <i>Total Cost</i> | \$2,260,000 |

Boost Long Island Biotechnology Startups at SBU

Stony Brook University will create additional shared wet lab space for new biotechnology start up companies at the Long Island High Tech Incubator on campus.

Applicant: Long Island High Technology Incubator Inc./Stony Brook Univ.



Innovation & Industry Cluster

Total Project Cost: \$1,950,000
REDC Recommended ESD Grant: \$600,000
5 Year Jobs Created/Retained: 3
5 Year Jobs Indirect/Construction: 2

Priority Project Funding

CFA#: 55330

| Sources of Funds | | Uses of Funds | |
|----------------------------|-------------|-------------------|-------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$600,000 | Construction | \$250,000 |
| SUNY Funds | \$1,350,000 | Equipment | \$1,700,000 |
| | | | |
| | | | |
| <i>Total Public Funds</i> | \$1,950,000 | | |
| Private Sources of Funds | | | |
| Private | | | |
| <i>Total Private Funds</i> | \$0 | <i>Total Cost</i> | \$1,950,000 |

WHAT WE'RE DOING ...

MacArthur Airport Federal Inspection Services Facility

The Town of Islip will renovate an existing building on its MacArthur Airport property to accommodate a Federal Inspection Station that will allow international flights from Europe and the Western Hemisphere to fly directly into MacArthur Airport.

Applicant: Town Of Islip



Total Project Cost: \$10,000,000
REDC Recommended ESD Grant: \$3,000,000
5 Year Jobs Created/Retained: 0
5 Year Jobs Indirect/Construction: 1,264

Priority Project Funding

CFA#: 53016

| Sources of Funds | | Uses of Funds | |
|----------------------------|---------------------|----------------------------------|---------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$3,000,000 | Building Renovations | \$6,000,000 |
| Town of Islip | \$7,000,000 | New Construction | \$3,000,000 |
| | | Furniture, Fixtures, & Equipment | \$500,000 |
| | | Soft Costs | \$500,000 |
| <i>Total Public Funds</i> | \$10,000,000 | | |
| Private Sources of Funds | | | |
| Private | \$0 | | |
| <i>Total Private Funds</i> | \$0 | <i>Total Cost</i> | \$10,000,000 |

Manna Fish Farms Inc Aquapods

Manna Fish Farms Inc. will install a pod array off the coast of Eastern Long Island to moor up to two dozen mesh-enclosed galvanized steel geodesic "Aquapods" in the Atlantic Ocean, to raise striped bass.

Applicant: MANNA FISH FARMS, INC.



Total Project Cost: \$250,000
REDC Recommended ESD Grant: \$50,000
5 Year Jobs Created/Retained: 3
5 Year Jobs Indirect/Construction: 0

Priority Project Funding

CFA#: 55044

| Sources of Funds | | Uses of Funds | |
|----------------------------|------------------|-----------------------|------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$50,000 | Equipment & Machinery | \$250,000 |
| | | | |
| | | | |
| <i>Total Public Funds</i> | \$50,000 | | |
| Private Sources of Funds | | | |
| Private | \$200,000 | | |
| <i>Total Private Funds</i> | \$200,000 | <i>Total Cost</i> | \$250,000 |

WHAT WE'RE DOING ...

Winthrop University Hospital Research Center Equipment

Winthrop University Hospital will add new lab and research equipment and additional parking at Mineola Research Institute.

Applicant: Winthrop-University Hospital Association



Total Project Cost: \$5,000,000
REDC Recommended ESD Grant: \$1,500,000
5 Year Jobs Created/Retained: 2
5 Year Jobs Indirect/Construction: 13

Priority Project Funding CFA#: 54627

| Sources of Funds | | Uses of Funds | |
|----------------------------|--------------------|-------------------|--------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$1,500,000 | Equipment | \$3,000,000 |
| | | Construction | \$2,000,000 |
| | | | |
| | | | |
| <i>Total Public Funds</i> | \$1,500,000 | | |
| Private Sources of Funds | | | |
| Private | | | |
| <i>Total Private Funds</i> | \$3,500,000 | <i>Total Cost</i> | \$5,000,000 |

Accelerate Long Island Capital Equipment Grant Fund

Accelerate Long Island, a not for profit technology accelerator initiative, will provide equipment grants to promising start up technology companies.

Applicant: Accelerate Long Island



Total Project Cost: \$3,500,000
REDC Recommended ESD Grant: \$1,000,000
5 Year Jobs Created/Retained: 0
5 Year Jobs Indirect/Construction: 0

Priority Project Funding CFA#: 55614

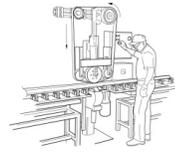
| Sources of Funds | | Uses of Funds | |
|----------------------------|--------------------|-------------------|--------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$1,000,000 | Equipment | \$3,500,000 |
| | | | |
| | | | |
| | | | |
| <i>Total Public Funds</i> | \$1,000,000 | | |
| Private Sources of Funds | | | |
| Private | | | |
| <i>Total Private Funds</i> | \$2,500,000 | <i>Total Cost</i> | \$3,500,000 |

WHAT WE'RE DOING ...

Long Island High Pressure Processing Facility for Food Industry

North Harbor Trading Corp will establish a high pressure processing facility in Riverhead to enhance shelf life of Long Island agriculture and food products.

Applicant: North Harbor Trading Corp.



Total Project Cost: \$10,000,000
REDC Recommended ESD Grant: \$1,250,000
5 Year Jobs Created/Retained: 46
5 Year Jobs Indirect/Construction: 30

Priority Project Funding

CFA#: 51319

| Sources of Funds | | Uses of Funds | |
|----------------------------|--------------------|----------------------|---------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$1,250,000 | Building Acquisition | \$8,000,000 |
| | | Equipment | \$2,000,000 |
| | | | |
| | | | |
| Total Public Funds | \$1,250,000 | | |
| Private Sources of Funds | | | |
| Private | | | |
| Total Private Funds | \$8,750,000 | Total Cost | \$10,000,000 |

Nicolls Multimodal Hiking Biking Trail

Suffolk County will design and construct a Hiking and Biking trail to compliment the Nicolls Road Multimodal Corridor.

Applicant: Suffolk County



Total Project Cost: \$100,000,000
REDC Recommended ESD Grant: \$1,500,000
5 Year Jobs Created/Retained: 0
5 Year Jobs Indirect/Construction: 165

Priority Project Funding

CFA#: 56627

| Sources of Funds | | Uses of Funds | |
|----------------------------|----------------------|--------------------------------------|----------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$1,500,000 | Construction/Renovation | \$90,800,000 |
| Federal Funds | \$97,000,000 | Architectural/Engineering/Soft Costs | \$9,200,000 |
| Other Local Funds | \$1,500,000 | | |
| | | | |
| Total Public Funds | \$100,000,000 | | |
| Private Sources of Funds | | | |
| Private | | | |
| Total Private Funds | \$0 | Total Cost | \$100,000,000 |

WHAT WE'RE DOING ...

Suffolk County Agricultural Visitor's Campus

Suffolk County will build an Agricultural Tourist center in the Suffolk County Farms in Yaphank to be used as a "Welcome Center" and administrative offices for Cornell Cooperatives Extension.

Applicant: Suffolk County



Natural
Assets

Total Project Cost: \$2,591,250
REDC Recommended ESD Grant: \$400,000
5 Year Jobs Created/Retained: 3
5 Year Jobs Indirect/Construction: 15

Priority Project Funding

CFA#: 54431

| Sources of Funds | | Uses of Funds | |
|----------------------------|--------------------|---------------------------|--------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$400,000 | Planning | \$132,500 |
| Other State Funds | \$5,000 | Construction & Renovation | \$2,016,250 |
| Suffolk County Funds | \$2,186,250 | Site Preparation | \$350,000 |
| | | Equipment & Supplies | \$85,000 |
| | | Marketing & Advertising | \$7,500 |
| Total Public Funds | \$2,591,250 | | |
| Private Sources of Funds | | | |
| Private | \$0 | | |
| Total Private Funds | \$0 | Total Cost | \$2,591,250 |

Community Education Workforce and Leadership Training

Hofstra University will acquire and renovate a vacant Army Reserve Center to create an interdisciplinary community academic facility with high-tech classrooms, offices, and convertible conference-style spaces.

Applicant: Hofstra University



Workforce,
Education &
Veterans

Total Project Cost: \$5,000,000
REDC Recommended ESD Grant: \$1,000,000
5 Year Jobs Created/Retained: 0
5 Year Jobs Indirect/Construction: 20

Priority Project Funding

CFA#: 53961

| Sources of Funds | | Uses of Funds | |
|----------------------------|--------------------|-------------------------|--------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$1,000,000 | Property Acquisition | \$2,000,000 |
| | | Construction/Renovation | 3,000,000 |
| | | | |
| | | | |
| Total Public Funds | \$1,000,000 | | |
| Private Sources of Funds | | | |
| Private | \$3,500,000 | | |
| Total Private Funds | \$3,500,000 | Total Cost | \$5,000,000 |

WHAT WE'RE DOING ...

Babylon Brewery Incubator

The Town of Babylon IDA will acquire, renovate, equip and transform a blighted parcel into an incubator space for Long Island's growing craft beer industry.

Applicant: Town of Babylon Industrial Development Agency



Infrastructure

Total Project Cost: \$11,955,000
REDC Recommended ESD Grant: \$700,000
5 Year Jobs Created/Retained: 0
5 Year Jobs Indirect/Construction: 82

Priority Project Funding

CFA#: 51131

| Sources of Funds | | Uses of Funds | |
|----------------------------|---------------------|------------------------------------|---------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$700,000 | Infrastructure | \$475,000 |
| Other NYS Funds | \$250,000 | Engineering / Property Acquisition | \$2,330,000 |
| | | Construction | \$6,650,000 |
| | | Machinery / Equipment | \$2,500,000 |
| Total Public Funds | \$950,000 | | |
| Private Sources of Funds | | | |
| Private | \$11,005,000 | | |
| Total Private Funds | \$11,005,000 | Total Cost | \$11,955,000 |

The Collaboratorium: Digital Platform Incubator

Molloy will design and renovate space at a Baldwin elementary school to create The Collaboratorium, a joint project between Molloy College and Baldwin School District that will chart a path for students from high school to college to job market.

Applicant: Molloy College



Workforce,
Education &
Veterans

Total Project Cost: \$1,650,000
REDC Recommended ESD Grant: \$300,000
5 Year Jobs Created/Retained: 2
5 Year Jobs Indirect/Construction: 9

Priority Project Funding

CFA#: 56156

| Sources of Funds | | Uses of Funds | |
|----------------------------|--------------------|-------------------------|--------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$300,000 | Construction/Renovation | \$1,170,000 |
| | | Equipment and Machinery | 205,000 |
| | | Soft Cost | 150,000 |
| | | Furniture and Fixtures | 125,000 |
| Total Public Funds | \$300,000 | | |
| Private Sources of Funds | | | |
| Private | \$1,350,000 | | |
| Total Private Funds | \$1,350,000 | Total Cost | \$1,650,000 |

WHAT WE'RE DOING ...

NYIT START UP NY Business Incubator

New York Institute of Technology, partnering with Nassau County will establish a STARTUP NY Cyber Security Research and Development incubator in Port Washington.

Applicant: New York Institute of Technology



| |
|--|
| Total Project Cost: \$3,242,000 |
| REDC Recommended ESD Grant: \$650,000 |
| 5 Year Jobs Created/Retained: 4 |
| 5 Year Jobs Indirect/Construction: 10 |

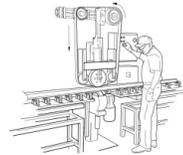
Priority Project Funding CFA#: 56869

| Sources of Funds | | Uses of Funds | |
|----------------------------|--------------------|-----------------------------|--------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$650,000 | Construction and Renovation | \$2,112,000 |
| | | Equipment and Fixtures | \$1,130,000 |
| | | | |
| | | | |
| <i>Total Public Funds</i> | \$650,000 | | |
| Private Sources of Funds | | | |
| Private | | | |
| <i>Total Private Funds</i> | \$2,592,000 | <i>Total Cost</i> | \$3,242,000 |

Avery Biomedical Expansion Training

Avery Biomedical Devices in Commack will expand, adding new equipment and jobs.

Applicant: Avery Biomedical Devices, Inc.



| |
|--|
| Total Project Cost: \$379,000 |
| REDC Recommended ESD Excelsior: \$195,070 |
| 5 Year Jobs Created/Retained: 24 |
| 5 Year Jobs Indirect/Construction: 0 |

Priority Project Funding CFA#: 56146

| Sources of Funds | | Uses of Funds | |
|----------------------------|------------------|-------------------|------------------|
| Public Sources of Funds | | Use | Amount |
| NYS Excelsior Tax Credits | \$195,070 | Renovation | \$75,000 |
| | | Equipment | \$304,000 |
| | | | |
| | | | |
| <i>Total Public Funds</i> | \$195,070 | | |
| Private Sources of Funds | | | |
| Private | | | |
| <i>Total Private Funds</i> | \$183,930 | <i>Total Cost</i> | \$379,000 |

WHAT WE'RE DOING ...

Expansion of Center for Learning and Innovation Employee

The North Shore-LIJ Health System (NSLIJ) will expand their Center for Learning and Innovation (CLI). The expanded space will allow NSLIJ to accommodate the retraining and development of current and new employees.

Applicant: North Shore-LIJ Health System



Workforce,
Education &
Veterans

Total Project Cost: \$3,600,000
REDC Recommended ESD Grant: \$400,000
5 Year Jobs Created/Retained: 10
5 Year Jobs Indirect/Construction: 21

Priority Project Funding CFA#: 54702

| Sources of Funds | | Uses of Funds | |
|----------------------------|--------------------|--------------------------|--------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$400,000 | Soft Cost | \$253,400 |
| Other NYS Funds | \$1,700,000 | Furniture and Fixtures | 350,000 |
| | | Construction/Renovation | 2,846,600 |
| | | Infrastructure/Site Work | 150,000 |
| Total Public Funds | \$2,100,000 | | |
| Private Sources of Funds | | | |
| Private | \$1,500,000 | | |
| Total Private Funds | \$1,500,000 | Total Cost | \$3,600,000 |

Peconic Crossing

Community Development Corp of LI will build a multi-story mixed-use facility in downtown Riverhead, providing affordable workforce housing and public art gallery space in support of the Town's Comprehensive revitalization plan.

Applicant: Community Development Corporation of Long Island, Inc.



Infrastructure

Total Project Cost: \$17,807,961
REDC Recommended ESD Grant: \$275,000
5 Year Jobs Created/Retained: 2
5 Year Jobs Indirect/Construction: 93

Priority Project Funding CFA#: 55309

| Sources of Funds | | Uses of Funds | |
|----------------------------|---------------------|------------------------------------|---------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$275,000 | Infrastructure | \$1,768,000 |
| Other NYS Funds | \$4,622,000 | Engineering / Property Acquisition | \$7,112,627 |
| | | Construction | \$8,927,334 |
| Total Public Funds | \$4,897,000 | | |
| Private Sources of Funds | | | |
| Private | \$12,910,961 | | |
| Total Private Funds | \$12,910,961 | Total Cost | \$17,807,961 |

WHAT WE'RE DOING ...

American Racing Headers and Exhaust Expansion

American Racing Headers and Exhaust will acquire new machinery and equipment, complete building renovations, and hire new employees to expand the capabilities of its specialty automotive parts manufacturing operation and enter new international markets.

Applicant: American Racing Headers and Exhaust, Inc.



Total Project Cost: \$1,153,000
REDC Recommended NYS Excelsior: \$350,000
5 Year Jobs Created/Retained: 24
5 Year Jobs Indirect/Construction: 0

Priority Project Funding

CFA#: 51023

| Sources of Funds | | Uses of Funds | |
|----------------------------|------------------|----------------------------------|--------------------|
| Public Sources of Funds | | Use | Amount |
| NYS Excelsior Tax Credits | \$350,000 | Machinery and Equipment | \$1,028,000 |
| | | Furniture, Fixtures, & Equipment | \$30,000 |
| | | Soft Costs | \$25,000 |
| | | Building Renovations | \$70,000 |
| Total Public Funds | \$350,000 | | |
| Private Sources of Funds | | | |
| Private | \$803,000 | | |
| Total Private Funds | \$803,000 | Total Cost | \$1,153,000 |

Grumman Studios

Grumman Studios in Bethpage will renovate and improve sound stages to attract new TV, film and live productions.

Applicant: Lunar Module Park LLC



Total Project Cost: \$6,200,000
REDC Recommended ESD Grant: \$750,000
5 Year Jobs Created/Retained: 9
5 Year Jobs Indirect/Construction: 41

Priority Project Funding

CFA#: 55823

| Sources of Funds | | Uses of Funds | |
|----------------------------|--------------------|-----------------------------|--------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$750,000 | Construction and Renovation | \$6,200,000 |
| | | | |
| | | | |
| Total Public Funds | \$750,000 | | |
| Private Sources of Funds | | | |
| Private | | | |
| Total Private Funds | \$5,450,000 | Total Cost | \$6,200,000 |

WHAT WE'RE DOING ...

LGBT Community Center

The LGBT Network will renovation a state-of-the-art, eco-friendly community center for Long Island's LGBT community.

Applicant: Long Island LGBT Health and Human Services Network



Total Project Cost: \$5,000,000
REDC Recommended ESD Grant: \$500,000
5 Year Jobs Created/Retained: 55
5 Year Jobs Indirect/Construction: 29

Priority Project Funding

CFA#: 56037

| Sources of Funds | | Uses of Funds | |
|----------------------------|--------------------|-------------------------|--------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$500,000 | Construction/Renovation | \$5,000,000 |
| | | | |
| | | | |
| | | | |
| <i>Total Public Funds</i> | \$500,000 | | |
| Private Sources of Funds | | | |
| Private | \$4,500,000 | | |
| <i>Total Private Funds</i> | \$4,500,000 | <i>Total Cost</i> | \$5,000,000 |

D'Addario and Co. Infrastructure of Efficiency

D'Addario and Company, a global leader in musical instrument accessories, will relocate production back to their Farmingdale facilities with the addition of new equipment and jobs.

Applicant: D'Addario & Company, Inc



Total Project Cost: \$5,285,000
REDC Recommended ESD Grant: \$1,000,000
5 Year Jobs Created/Retained: 27
5 Year Jobs Indirect/Construction: 0

Priority Project Funding

CFA#: 5891

| Sources of Funds | | Uses of Funds | |
|----------------------------|--------------------|-------------------|--------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$1,000,000 | Equipment | \$5,285,000 |
| | | | |
| | | | |
| | | | |
| <i>Total Public Funds</i> | \$1,000,000 | | |
| Private Sources of Funds | | | |
| Private | | | |
| <i>Total Private Funds</i> | \$4,285,000 | <i>Total Cost</i> | \$5,285,000 |

WHAT WE'RE DOING ...

Sunrise Association

Sunrise Association will build a new headquarters to expand camp program space, providing emotional, social, and recreational support for children with cancer.

Applicant: Sunrise Day Camps Association, Inc.



Total Project Cost: \$3,450,000
REDC Recommended ESD Grant: \$500,000
5 Year Jobs Created/Retained: 15
5 Year Jobs Indirect/Construction: 12

Priority Project Funding

CFA#: 53818

| Sources of Funds | | Uses of Funds | |
|----------------------------|--------------------|------------------------------------|--------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$500,000 | Infrastructure | \$400,000 |
| | | Engineering / Property Acquisition | \$1,474,500 |
| | | Construction | \$1,375,500 |
| | | Machinery / Equipment | \$200,000 |
| Total Public Funds | \$500,000 | | |
| Private Sources of Funds | | | |
| Private | \$2,950,000 | | |
| Total Private Funds | \$2,950,000 | Total Cost | \$3,450,000 |

Additive Manufacturing and Prototyping Center AMPAC

Stony Brook University will establish an additives and 3D printing research center focused on assisting manufacturers.

Applicant: The Research Foundation for SUNY- Stony Brook University



Total Project Cost: \$1,500,000
REDC Recommended ESD Grant: \$400,000
5 Year Jobs Created/Retained:
5 Year Jobs Indirect/Construction: 0

Priority Project Funding

CFA#: 55327

| Sources of Funds | | Uses of Funds | |
|----------------------------|--------------------|-------------------|--------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$400,000 | Equipment | \$1,500,000 |
| SUNY Funds | \$1,100,000 | | |
| | | | |
| | | | |
| Total Public Funds | \$1,500,000 | | |
| Private Sources of Funds | | | |
| Private | | | |
| Total Private Funds | \$0 | Total Cost | \$1,500,000 |

WHAT WE'RE DOING ...

Downtown Baldwin Complete Streets Enhancements

Nassau County will design a "Complete Streets" plan for downtown Baldwin to create a pedestrian safe, multimodal downtown that will attract new businesses.

Applicant: Nassau County Department of Public Works



Infrastructure

Total Project Cost: \$675,000
REDC Recommended ESD Grant: \$135,000
5 Year Jobs Created/Retained: 0
5 Year Jobs Indirect/Construction: 4

Priority Project Funding

CFA#: 55205

| Sources of Funds | | Uses of Funds | |
|-----------------------------|------------------|----------------------------------|------------------|
| Public Sources of Funds | | Use | Amount |
| Nassau County Capital Funds | \$540,000 | Architectural/Engineering Design | \$675,000 |
| ESD Capital Funds | \$135,000 | | |
| | | | |
| | | | |
| Total Public Funds | \$675,000 | | |
| Private Sources of Funds | | | |
| Private | \$0 | | |
| Total Private Funds | \$0 | Total Cost | \$675,000 |

Enhanced Shared Water Infrastructure for Suffolk County

The Town of Riverhead will construct an interconnection between the Suffolk County Water Authority water supply and the Riverhead Water District to provide water supply to EPCAL, a major 600-acre redevelopment site.

Applicant: Town of Riverhead



Infrastructure

Total Project Cost: \$625,000
REDC Recommended ESD Grant: \$125,000
5 Year Jobs Created/Retained: 0
5 Year Jobs Indirect/Construction: 4

Priority Project Funding

CFA#: 54353

| Sources of Funds | | Uses of Funds | |
|----------------------------------|------------------|-------------------------------|------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$125,000 | Design/Engineering/permitting | \$125,000 |
| Riverhead Water District capital | \$500,000 | Construction/installation | \$500,000 |
| | | | |
| | | | |
| Total Public Funds | \$625,000 | | |
| Private Sources of Funds | | | |
| Private | \$0 | | |
| Total Private Funds | \$0 | Total Cost | \$625,000 |

WHAT WE'RE DOING ...

Bay Shore Health and Wellness Center

Family Service League will construct a Health and Wellness Center that will significantly improve its capacity to provide much needed primary healthcare to the surrounding high need communities.

Applicant: Family Service League



Total Project Cost: \$4,000,000
REDC Recommended ESD Grant: \$500,000
5 Year Jobs Created/Retained: 22
5 Year Jobs Indirect/Construction: 22

Priority Project Funding

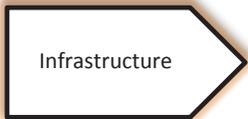
CFA#: 53584

| Sources of Funds | | Uses of Funds | |
|----------------------------|--------------------|-------------------------|--------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$500,000 | Construction | \$3,300,000 |
| | | Machinery and Equipment | 500,000 |
| | | Furniture and Fixtures | 200,000 |
| <i>Total Public Funds</i> | \$500,000 | | |
| Private Sources of Funds | | | |
| Private | \$3,500,000 | | |
| <i>Total Private Funds</i> | \$3,500,000 | <i>Total Cost</i> | \$4,000,000 |

Downtown Copiague Pedestrian, Roadway, and Streetscape Improvements

Town of Babylon will conduct engineering and design work to improve roadways and enhance streetscapes in Downtown Copiague, Suffolk County.

Applicant: Town of Babylon



Total Project Cost: \$525,000
REDC Recommended ESD Grant: \$105,000
5 Year Jobs Created/Retained: 0
5 Year Jobs Indirect/Construction: 3

Priority Project Funding

CFA#: 52737

| Sources of Funds | | Uses of Funds | |
|----------------------------|------------------|--------------------------|------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$105,000 | Engineering and Planning | \$305,000 |
| Other NYS Funds | \$120,000 | Contractual Services | \$20,000 |
| Other Public Funds | \$300,000 | Construction/Renovation | \$200,000 |
| <i>Total Public Funds</i> | \$525,000 | | |
| Private Sources of Funds | | | |
| Private | | | |
| <i>Total Private Funds</i> | \$0 | <i>Total Cost</i> | \$525,000 |

WHAT WE'RE DOING ...

Next Generation Drug Discovery and Development at SBU

Stony Brook University will renovate laboratory space and add a Cryo Electron microscope to speed drug discovery and develop advanced therapeutics.



Total Project Cost: \$4,384,800
REDC Recommended ESD Grant: \$500,000
5 Year Jobs Created/Retained: 4
5 Year Jobs Indirect/Construction: 63

Applicant: The Research Foundation of SUNY, Stony Brook University

Priority Project Funding CFA#: 55759

| Sources of Funds | | Uses of Funds | |
|----------------------------|--------------------|-------------------|--------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$500,000 | Construction | \$800,000 |
| SUNY Funds | \$3,884,800 | Equipment | \$3,584,800 |
| | | | |
| | | | |
| <i>Total Public Funds</i> | \$4,384,800 | | |
| Private Sources of Funds | | | |
| Private | | | |
| <i>Total Private Funds</i> | \$0 | <i>Total Cost</i> | \$4,384,800 |

Route 110 Preliminary Engineering and Design

Suffolk County will plan and design a Bus Rapid Transit System on Route 110 in Suffolk County.



Total Project Cost: \$1,000,000
REDC Recommended ESD Grant: \$200,000
5 Year Jobs Created/Retained: 0
5 Year Jobs Indirect/Construction: 15

Applicant: County of Suffolk

Priority Project Funding CFA#: 57558

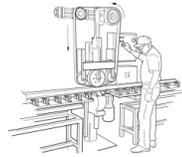
| Sources of Funds | | Uses of Funds | |
|----------------------------|--------------------|--------------------------------------|--------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$200,000 | Architectural/Engineering/Soft Costs | \$1,000,000 |
| Other Public Funds | \$800,000 | | |
| | | | |
| | | | |
| <i>Total Public Funds</i> | \$1,000,000 | | |
| Private Sources of Funds | | | |
| Private | | | |
| <i>Total Private Funds</i> | \$0 | <i>Total Cost</i> | \$1,000,000 |

WHAT WE'RE DOING ...

Arkwin Machinery Purchases

Arkwin Industries, a Aerospace and Defense manufacturer, will purchase equipment to increase its capacity and capabilities and to make itself more competitive in the global market.

Applicant: Arkwin Industries, Corp.



Business
Bundle

Total Project Cost: \$3,161,950
REDC Recommended ESD Grant: \$200,000
5 Year Jobs Created/Retained: 245
5 Year Jobs Indirect/Construction: 0

Priority Project Funding

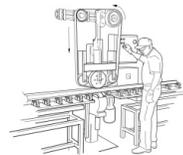
CFA#: 57300

| Sources of Funds | | Uses of Funds | |
|----------------------------|--------------------|-------------------------|--------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$200,000 | Equipment and Machinery | \$3,161,950 |
| | | | |
| | | | |
| <i>Total Public Funds</i> | \$200,000 | | |
| Private Sources of Funds | | | |
| Corporate Equity | \$2,961,950 | | |
| <i>Total Private Funds</i> | \$2,961,950 | <i>Total Cost</i> | \$3,161,950 |

Lean Manufacturing Training and Expansion – SIW, Inc.

SIW, Inc. a metal fabrication company in Bayshore will invest in new equipment and add manufacturing jobs.

Applicant: SIW, Inc.



Business
Bundle

Total Project Cost: \$891,581
REDC Recommended ESD Grant: \$133,500
5 Year Jobs Created/Retained: 18
5 Year Jobs Indirect/Construction: 0

Priority Project Funding

CFA#: 50950

| Sources of Funds | | Uses of Funds | |
|----------------------------|------------------|----------------------------|------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$133,500 | Renovations | \$400,000 |
| | | Equipment | \$408,500 |
| | | Training and related costs | \$83,081 |
| | | | |
| <i>Total Public Funds</i> | \$133,500 | | |
| Private Sources of Funds | | | |
| Private | | | |
| <i>Total Private Funds</i> | \$758,081 | <i>Total Cost</i> | \$891,581 |

WHAT WE'RE DOING ...

City of Glen Cove Structured Parking Facility

City of Glen Cove will construct a three-tier, structured parking facility on a former superfund site. The building will provide needed parking in support of the City's new ferry terminal.

Applicant: CITY OF GLEN COVE



Total Project Cost: \$10,800,000
REDC Recommended ESD Grant: \$1,000,000
5 Year Jobs Created/Retained: 0
5 Year Jobs Indirect/Construction: 50

Priority Project Funding

CFA#: 51089

| Sources of Funds | | Uses of Funds | |
|----------------------------|--------------------|-------------------|---------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$1,000,000 | Engineering | \$800,000 |
| Other NYS Funds | \$600,000 | Construction | \$10,000,000 |
| | | | |
| | | | |
| Total Public Funds | \$1,600,000 | | |
| Private Sources of Funds | | | |
| Private | \$8,100,000 | | |
| Total Private Funds | \$8,100,000 | Total Cost | \$10,800,000 |

Regional Economic Development Analysis & Strategy of the Fisheries Industry

East Hampton will conduct an "Economic Development Analysis and Strategy for the Fisheries Industry," including a historical study of the socio-economic impact of the fishing industry as well as identify areas of growth.

Applicant: Town of East Hampton



Total Project Cost: \$140,000
REDC Recommended ESD Grant: \$25,000
5 Year Jobs Created/Retained: 0
5 Year Jobs Indirect/Construction: 0

Priority Project Funding

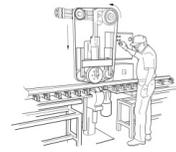
CFA#: 54241

| Sources of Funds | | Uses of Funds | |
|----------------------------|------------------|-------------------------|------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$25,000 | Administrative Services | \$30,000 |
| Federal Grant Funds | \$70,000 | Contract Services | \$110,000 |
| Town of East Hampton | \$45,000 | | |
| | | | |
| Total Public Funds | \$140,000 | | |
| Private Sources of Funds | | | |
| Private | \$0 | | |
| Total Private Funds | \$0 | Total Cost | \$140,000 |

WHAT WE'RE DOING ...

Voxx

Voxx, a global manufacturer of electronic products, will expand, renovate and equip their existing building to increase engineering design and testing operations.



Business
Bundle

Total Project Cost: \$4,000,000
REDC Recommended ESD Grant: \$500,000
5 Year Jobs Created/Retained: 218
5 Year Jobs Indirect/Construction: 0

Applicant: Voxx International Corporation

Priority Project Funding

CFA#: 48534

| Sources of Funds | | Uses of Funds | |
|----------------------------|--------------------|---------------------------|--------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$500,000 | Construction / Renovation | \$3,000,000 |
| | | Furniture / Fixtures | \$1,000,000 |
| | | | |
| | | | |
| Total Public Funds | \$500,000 | | |
| Private Sources of Funds | | | |
| Private | \$3,500,000 | | |
| Total Private Funds | \$3,500,000 | Total Cost | \$4,000,000 |

US Luggage Expansion

United States Luggage Company, a manufacturer of high end luggage, located in Hauppauge will expand it's operation, acquire new machinery and equipment, furniture and fixtures, and complete renovations to it's existing facility to increase productivity.



Global NY

Total Project Cost: \$705,000
REDC Recommended ESD Grant: \$141,000
5 Year Jobs Created/Retained: 12
5 Year Jobs Indirect/Construction: 0

Applicant: United States Luggage Company, LLC

Priority Project Funding

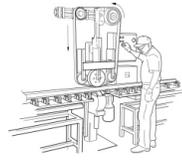
CFA#: 54825

| Sources of Funds | | Uses of Funds | |
|----------------------------|------------------|----------------------------------|------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$141,000 | Building Renovations | \$550,000 |
| | | Machinery and Equipment | \$25,000 |
| | | Furniture, Fixtures, & Equipment | \$130,000 |
| | | | |
| Total Public Funds | \$141,000 | | |
| Private Sources of Funds | | | |
| Private | \$564,000 | | |
| Total Private Funds | \$564,000 | Total Cost | \$705,000 |

WHAT WE'RE DOING ...

Nicolock Paving Stones LLC Corporate Expansion

Nicolock Pavers will purchase machinery that will expand their operational capacity and create new jobs.



Total Project Cost: \$3,799,335
REDC Recommended ESD Grant: \$200,000
5 Year Jobs Created/Retained: 10
5 Year Jobs Indirect/Construction: 0

Applicant: Nicolock Paving Stones LLC

Priority Project Funding CFA#: 55384

| Sources of Funds | | Uses of Funds | |
|----------------------------|--------------------|---------------------------|--------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$200,000 | Furniture & Fixtures | \$50,000 |
| | | Property Acquisition | \$400,000 |
| | | Indirect Costs | \$63,000 |
| | | Construction & Renovation | \$750,000 |
| | | Equipment & Machinery | \$2,300,000 |
| Total Public Funds | \$200,000 | Salaries & Administration | \$236,335 |
| Private Sources of Funds | | | |
| Private | \$3,599,335 | | |
| Total Private Funds | \$3,799,335 | Total Cost | \$3,799,335 |

Sewer Connection Feasibility Study

The Family Community Life Center, Inc. will conduct a study of extending the existing sewer system boundaries in Riverhead to include the proposed Family Community Life Center site.



Total Project Cost: \$45,000
REDC Recommended ESD Grant: \$25,000
5 Year Jobs Created/Retained: 0
5 Year Jobs Indirect/Construction: 0

Applicant: Family Community Life Center, Inc.

Priority Project Funding CFA#: 55529

| Sources of Funds | | Uses of Funds | |
|----------------------------|-----------------|----------------------|-----------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$25,000 | Contractual Services | \$44,000 |
| | | Supplies/Materials | \$1,000 |
| | | | |
| | | | |
| Total Public Funds | \$25,000 | | |
| Private Sources of Funds | | | |
| Private | \$20,000 | | |
| Total Private Funds | \$20,000 | Total Cost | \$45,000 |

WHAT WE'RE DOING ...

Precision Metals Expansion

Precision Metals Corp will construct, renovate and equip their facility in order to start a state of the art composites manufacturing facility.

Applicant: Precision Metals Corp



Total Project Cost: \$730,000
REDC Recommended ESD Grant: \$100,000
5 Year Jobs Created/Retained: 49
5 Year Jobs Indirect/Construction: 0

Priority Project Funding

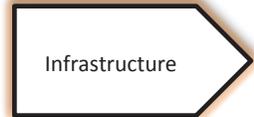
CFA#: 55601

| Sources of Funds | | Uses of Funds | |
|----------------------------|------------------|-------------------------|------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$100,000 | Machinery and Equipment | \$655,000 |
| | | Construction/Renovation | 75,000 |
| | | | |
| | | | |
| Total Public Funds | \$100,000 | | |
| Private Sources of Funds | | | |
| Private | | | |
| Company Equity | \$171,500 | | |
| Lending Institution | \$458,500 | | |
| Total Private Funds | \$630,000 | Total Cost | \$730,000 |

Downtown Strategic Site Assessment Program

Suffolk County Landbank (SCLBC) will create a remedial action plan and site assessment of four environmentally challenged commercial sites located in two economically distressed communities within Suffolk County.

Applicant: The Suffolk County Landbank Corporation



Total Project Cost: \$140,798
REDC Recommended ESD Grant: \$25,000
5 Year Jobs Created/Retained: 0
5 Year Jobs Indirect/Construction: 1,230

Priority Project Funding

CFA#: 55774

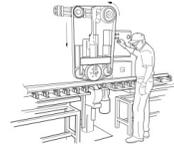
| Sources of Funds | | Uses of Funds | |
|----------------------------|------------------|------------------------|------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$25,000 | Engineering | \$128,000 |
| Other NYS Funds | \$64,000 | Contractual/Soft Costs | \$12,798 |
| Other Public Funds | \$42,798 | | |
| | | | |
| Total Public Funds | \$131,798 | | |
| Private Sources of Funds | | | |
| Private | \$9,000 | | |
| Total Private Funds | \$9,000 | Total Cost | \$140,798 |

WHAT WE'RE DOING ...

Aljo-Gefa Expansion

Aljo-Gefa will purchase and install a new line of machinery and equipment for their Bethpage, LI facility.

Applicant: Aljo-Gefa Precision Manufacturing, LLC



Total Project Cost: \$3,201,452
REDC Recommended ESD Grant: \$200,000
5 Year Jobs Created/Retained: 33
5 Year Jobs Indirect/Construction: 1

Priority Project Funding

CFA#: 57234

| Sources of Funds | | Uses of Funds | |
|----------------------------|--------------------|-----------------------------------|--------------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$200,000 | Equipment and Machinery | \$2,000,000 |
| | | Construction/Renovation | 200,000 |
| | | Soft Cost/Administrative Services | \$901,452,000 |
| | | Training | \$100,000 |
| Total Public Funds | \$200,000 | | |
| Private Sources of Funds | | | |
| Private | | | |
| Company Equity | \$1,478,000 | | |
| Lending Institution | \$1,523,452 | | |
| Total Private Funds | \$3,201,452 | Total Cost | \$3,201,452 |

Comprehensive Plan for the Village of Mastic Beach

The Village of Mastic Beach will undertake a strategic planning and feasibility study to transform their downtown into a walkable business district. The plan aims to foster business and residential development setting the standard of coastal smart growth in the aftermath of Super storm Sandy.

Applicant: Incorporated Village of Mastic Beach



Total Project Cost: \$68,700
REDC Recommended ESD Grant: \$25,000
5 Year Jobs Created/Retained: 50
5 Year Jobs Indirect/Construction: 0

Priority Project Funding

CFA#: 51755

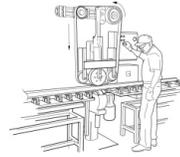
| Sources of Funds | | Uses of Funds | |
|-------------------------------|-----------------|---------------------|-----------------|
| Public Sources of Funds | | Use | Amount |
| ESD Capital Funds | \$25,000 | Contracted Services | \$68,700 |
| Village of Mastic Beach Funds | \$43,700 | | |
| | | | |
| | | | |
| Total Public Funds | \$68,700 | | |
| Private Sources of Funds | | | |
| Private | \$0 | | |
| Total Private Funds | \$0 | Total Cost | \$68,000 |

WHAT WE'RE DOING ...

Haig Expansion

Haig Graphics will renovate their existing facility and add jobs to meet rising demands.

Haig Press, Inc.



Business Bundle

Total Project Cost: \$2,425,000
REDC Recommended ESD Excelsior: \$99,000
5 Year Jobs Created/Retained: 49
5 Year Jobs Indirect/Construction: 0

Priority Project Funding

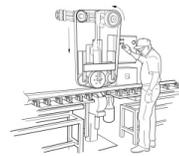
CFA#: 56536

| Sources of Funds | | Uses of Funds | |
|----------------------------|--------------------|---------------------------|--------------------|
| Public Sources of Funds | | Use | Amount |
| NYS Excelsior Tax Credits | \$99,000 | Administrative Services | \$2,365,000 |
| | | Construction & Renovation | \$60,000 |
| | | | |
| | | | |
| Total Public Funds | \$99,000 | | |
| Private Sources of Funds | | | |
| Private | \$2,326,000 | | |
| Total Private Funds | \$2,326,000 | <i>Total Cost</i> | \$2,425,000 |

Ondrives Building Purchase

Ondrives, an Aerospace manufacturer in Freeport, will purchase and equip a new building to expand their manufacturing operations.

ONDRIVES US CORP



Business Bundle

Total Project Cost: \$2,022,000
REDC Recommended ESD Excelsior: \$92,400
5 Year Jobs Created/Retained: 45
5 Year Jobs Indirect/Construction: 1

Priority Project Funding

CFA#: 54708

| Sources of Funds | | Uses of Funds | |
|----------------------------|--------------------|---------------------------|--------------------|
| Public Sources of Funds | | Use | Amount |
| NYS Excelsior Tax Credits | \$92,400 | Furniture & Fixtures | \$25,000 |
| | | Equipment & Machinery | \$750,000 |
| | | Property Acquisition | \$1,000,000 |
| | | Construction & Renovation | \$150,000 |
| | | Training | \$97,000 |
| Total Public Funds | \$92,400 | | |
| Private Sources of Funds | | | |
| Private | \$1,929,600 | | |
| Total Private Funds | \$2,022,000 | <i>Total Cost</i> | \$2,022,000 |



Long Island Round 5 Priority & Regionally Significant Projects

Recommendations for Competitive Capital Funding

:Regional Cluster, Biotechnology
 :Veteran Support
 : Global NY
 :START-UP NY
 :Community Reconstruction
 :Opportunity Agenda

| Project | Description | CFA # | Direct Jobs Created | Indirect Jobs | Construction Jobs | Total Project Cost | NYS Funds Recommended \$30 Million | NYS Funds Recommended \$15 Million |
|---------|-------------|-------|---------------------|---------------|-------------------|--------------------|------------------------------------|------------------------------------|
|---------|-------------|-------|---------------------|---------------|-------------------|--------------------|------------------------------------|------------------------------------|

Investments in an Innovative Economy

| | | | | | | | | |
|--|--|-------|----|---|-----|---------------|--------------|--------------|
| Cyclotron and Radiochemistry Laboratory at Stony Brook University | Stony Brook University will expand the Cyclotron and Radiochemistry Laboratory to support clinical research and drug discovery. | 55699 | 5 | 0 | 57 | \$ 13,200,000 | \$ 750,000 | \$ 500,000 |
| Next Generation Vaccine Development at Farmingdale State College and Nassau Community College | Farmingdale State College, Nassau Community College, START-UP NY firm Codagenix, Inc. and Broad Hollow Bioscience Park will establish a biotech research consortium by creating laboratory space and adding new equipment. | 56426 | 34 | 0 | 116 | \$ 38,117,773 | \$ 2,250,000 | \$ 1,000,000 |
| Boost Long Island Biotechnology Startups at Stony Brook University High Tech Incubator | Stony Brook University will create additional shared wet lab space for new biotechnology start up companies at the Long Island High Tech Incubator on campus. | 55330 | 0 | 0 | 2 | \$ 1,950,000 | \$ 600,000 | \$ 400,000 |
| Winthrop University Hospital Research Center Equipment Expansion | Winthrop University Hospital will add new lab and research equipment and additional parking at the Mineola Research Institute. | 54627 | 2 | 0 | 13 | \$ 5,000,000 | \$ 1,500,000 | \$ 750,000 |



Long Island Round 5 Priority & Regionally Significant Projects

Recommendations for Competitive Capital Funding

:Regional Cluster, Biotechnology
 :Veteran Support
 : Global NY
 :START-UP NY
 :Community Reconstruction
 :Opportunity Agenda

| Project | Description | CFA # | Direct Jobs Created | Indirect Jobs | Construction Jobs | Total Project Cost | NYS Funds Recommended \$30 Million | NYS Funds Recommended \$15 Million |
|---|---|-------|---------------------|---------------|-------------------|--------------------|------------------------------------|------------------------------------|
| Accelerate Long Island Capital Equipment Grant Fund | Accelerate Long Island, a not-for-profit technology accelerator initiative, will provide equipment grants to promising start up technology companies. | 55614 | 0 | 0 | 0 | \$ 3,500,000 | \$ 1,000,000 | \$ 500,000 |
| Additive Manufacturing and Prototyping Center AMPAC at Stony Brook University | Stony Brook University will establish an additives and 3D printing research center focused on assisting manufacturers. | 55327 | 3 | 0 | 0 | \$ 1,500,000 | \$ 400,000 | \$ 200,000 |
| Next Generation Drug Discovery and Advanced Therapeutics at Stony Brook University | Stony Brook University will renovate laboratory space and add a Cryo Electron microscope to speed drug discovery and develop advanced therapeutics. | 55759 | 4 | 50 | 13 | \$ 4,384,800 | \$ 500,000 | \$ 250,000 |
| New York State Incubator (not reflected in competitive funding amounts) | | | | | | | | |
| Hofstra University Business Incubator Support Program | Hofstra University Center for Entrepreneurship Incubator to become START-UP NY space for promising businesses. | 57074 | | | | \$ 875,000 | \$ 375,000 | \$ 375,000 |



Long Island Round 5 Priority & Regionally Significant Projects

Recommendations for Competitive Capital Funding

 **:Regional Cluster, Biotechnology**
 **:Veteran Support**
 **: Global NY**
 **:START-UP NY**
 **:Community Reconstruction**
 **:Opportunity Agenda**

| Project | Description | CFA # | Direct Jobs Created | Indirect Jobs | Construction Jobs | Total Project Cost | NYS Funds Recommended \$30 Million | NYS Funds Recommended \$15 Million |
|---|---|-------|---------------------|---------------|-------------------|--------------------|------------------------------------|------------------------------------|
| Investments in Rebuilding Long Island Communities "Smartly" | | | | | | | | |
| Nassau Hub Site Improvements and Connectivity Enhancements | Nassau County will design and construct infrastructure at the 77-acre Nassau HUB to support current redevelopment of the Nassau Coliseum and to attract high-tech and bio-tech businesses to the site. | 55208 | 0 | 0 | 130 | \$ 19,600,000 | \$ 3,000,000 | \$ 1,500,000 |
|  Brookhaven National Lab Discovery Park | Brookhaven Science Associates will create a public-private research campus and regional hub for scientific innovation, economic development and STEM education in the Town of Brookhaven. | 54013 | 29 | 0 | 80 | \$ 10,000,000 | \$ 2,000,000 | \$ 1,500,000 |
|  MacArthur Airport Federal Inspection Services Facility Development | The Town of Islip will renovate an existing building on its MacArthur Airport property to accommodate a Federal Inspection Station that will allow international flights from Europe and the Western Hemisphere to fly directly into MacArthur Airport. | 53016 | 0 | 1200 | 64 | \$ 10,000,000 | \$ 3,000,000 | \$ 1,500,000 |
|  Suffolk County Nicolls Multimodal Hiking Biking Trail | Suffolk County will design and engineer a Hiking and Biking trail to compliment the Nicolls Road Multimodal Corridor. | 56627 | 0 | 45 | 120 | \$ 100,000,000 | \$ 1,500,000 | \$ 500,000 |



Long Island Round 5 Priority & Regionally Significant Projects

Recommendations for Competitive Capital Funding

:Regional Cluster, Biotechnology
 :Veteran Support
 : Global NY
 :START-UP NY
 :Community Reconstruction
 :Opportunity Agenda

| Project | Description | CFA # | Direct Jobs Created | Indirect Jobs | Construction Jobs | Total Project Cost | NYS Funds Recommended \$30 Million | NYS Funds Recommended \$15 Million |
|--------------------------------------|---|-------|---------------------|---------------|-------------------|--------------------|------------------------------------|------------------------------------|
| Babylon Brewery Incubator | The Town of Babylon IDA will acquire, renovate, equip and transform a blighted parcel into an incubator space for Long Island's growing craft beer industry. | 51131 | 0 | 30 | 52 | \$ 11,955,000 | \$ 700,000 | \$ 350,000 |
| Peconic Crossing at Riverhead | Community Development Corp of LI will build a multi-story mixed-use facility in downtown Riverhead, providing affordable workforce housing and public art gallery space in support of the Town's Comprehensive revitalization plan. | 55309 | 2 | 0 | 93 | \$ 17,807,961 | \$ 275,000 | \$ 275,000 |
| LGBT Community Center | The LGBT Network will renovate a state-of-the-art, eco-friendly community center for Long Island's LGBT community. | 56037 | 24 | 0 | 29 | \$ 5,000,000 | \$ 500,000 | \$ 250,000 |
| Sunrise Association Day Camps | Sunrise Association will build a new headquarters to expand camp program space, providing emotional, social, and recreational support for children with cancer. | 53818 | 15 | 0 | 12 | \$ 3,450,000 | \$ 500,000 | \$ 200,000 |



Long Island Round 5 Priority & Regionally Significant Projects

Recommendations for Competitive Capital Funding



:Regional Cluster, Biotechnology



:Veteran Support



: Global NY



:START-UP NY



:Community Reconstruction



:Opportunity Agenda

| Project | Description | CFA # | Direct Jobs Created | Indirect Jobs | Construction Jobs | Total Project Cost | NYS Funds Recommended \$30 Million | NYS Funds Recommended \$15 Million |
|--|--|-------|---------------------|---------------|-------------------|--------------------|------------------------------------|------------------------------------|
| City of Glen Cove Downtown Energy Efficient Waterfront Parking Building and Small Business Market Place | City of Glen Cove will construct a three-tier, structured parking facility on a former superfund site. The garage building will offer adaptable space on its main floor and will include rooftop solar panels and electric car recharging stations. It also provides added parking for the City's new ferry terminal currently under construction. | 51089 | 50 | 0 | 69 | \$ 10,800,000 | \$ 1,000,000 | \$ 500,000 |
| Downtown Copiague Pedestrian, Roadway, and Streetscape Improvements | Town of Babylon will conduct engineering and design work to improve roadways and enhance streetscapes in Downtown Copiague, Suffolk County. | 52737 | 0 | 0 | 3 | \$ 525,000 | \$ 105,000 | \$ 105,000 |
| Bay Shore Health and Wellness Center | Family Service Legue will construct a Health and Wellness Center that will significantly improve its capacity to provide much needed primary healthcare to the surrounding high need communities. | 53584 | 22 | 0 | 22 | \$ 4,000,000 | \$ 500,000 | \$ 200,000 |
| Enhanced Shared Water Infrastructure for Suffolk County Water Authority at Calverton Enterprise Park, Town of Riverhead | The Town of Riverhead will construct an interconnection between the Suffolk County Water Authority water supply and the Riverhead Water District to provide water supply to EPCAL, a major 600-acre redevelopment site. | 54353 | 0 | 0 | 4 | \$ 625,000 | \$ 125,000 | \$ 125,000 |



Long Island Round 5 Priority & Regionally Significant Projects

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| Project | Description | CFA # | Direct Jobs Created | Indirect Jobs | Construction Jobs | Total Project Cost | NYS Funds Recommended \$30 Million | NYS Funds Recommended \$15 Million |
|--|---|-------|---------------------|---------------|-------------------|--------------------|------------------------------------|------------------------------------|
| Downtown Baldwin Complete Streets Enhancements | Nassau County will design a "Complete Streets" plan for downtown Baldwin to create a pedestrian safe, multimodal downtown that will attract new businesses. | 55205 | 0 | 0 | 4 | \$ 675,000 | \$ 135,000 | \$ 135,000 |
| Suffolk County Route 110 Preliminary Engineering and Design | Suffolk County will plan and design a Bus Rapid Transit System on Route 110 in Suffolk County. | 57558 | 0 | 0 | 15 | \$ 1,000,000 | \$ 200,000 | \$ 200,000 |

Investments in our Natural Assets

| | | | | | | | | |
|---|--|-------|---|---|----|--------------|------------|------------|
| Manna Fish Farms Inc. Aquapods | Manna Fish Farms Inc. will install a pod array off the coast of Eastern Long Island to moor up to two dozen mesh-enclosed galvanized steel geodesic "Aquapods" in the Atlantic Ocean, to raise striped bass. | 55044 | 3 | 0 | 0 | \$ 250,000 | \$ 50,000 | \$ 50,000 |
| Suffolk County's Agricultural Visitor's Campus | Suffolk County will build an Agricultural Tourist center in the Suffolk County Farms in Yaphank to be used as a "Welcome Center" and administrative offices for Cornell Cooperatives Extension. | 54431 | 3 | 0 | 15 | \$ 2,591,250 | \$ 400,000 | \$ 200,000 |
| Digester Upgrade for the Grease Receiving Station | The Great Neck Water Pollution Control District will build a new anaerobic digester that will expand the capacity of its grease receiving station. The station will enable the District to generate methane gas and self power their facility. | 52912 | 0 | 0 | 41 | \$ 9,940,000 | \$ 250,000 | \$ - |



Long Island Round 5 Priority & Regionally Significant Projects

Recommendations for Competitive Capital Funding

| | | | | | |
|----------------------------------|------------------|-------------|--------------|---------------------------|---------------------|
| :Regional Cluster, Biotechnology | :Veteran Support | : Global NY | :START-UP NY | :Community Reconstruction | :Opportunity Agenda |
|----------------------------------|------------------|-------------|--------------|---------------------------|---------------------|

| Project | Description | CFA # | Direct Jobs Created | Indirect Jobs | Construction Jobs | Total Project Cost | NYS Funds Recommended \$30 Million | NYS Funds Recommended \$15 Million |
|---------|-------------|-------|---------------------|---------------|-------------------|--------------------|------------------------------------|------------------------------------|
|---------|-------------|-------|---------------------|---------------|-------------------|--------------------|------------------------------------|------------------------------------|

Investments in our Workforce

| | | | | | | | | |
|---|---|-------|---|---|----|--------------|--------------|------------|
| Hofstra University Center for Entrepreneurship Incubator | Hofstra University will renovate the School of Business and establish the Center for Entrepreneurship Incubator participating in START-UP NY. | 57074 | 2 | 0 | 6 | \$ 2,635,000 | \$ 700,000 | \$ 500,000 |
| Community Education Workforce and Leadership Training Center at Hofstra University | Hofstra University will acquire and renovate a vacant Army Reserve Center to create an interdisciplinary community academic facility with high-tech classrooms, offices, and convertible conference-style spaces. | 53961 | 0 | 0 | 20 | \$ 5,000,000 | \$ 1,000,000 | \$ 500,000 |
| The Collaboratorium: Digital Platform Incubator Partnership Between Molloy College and the Baldwin School District | Molloy will design and renovate space at a Baldwin elementary school to create The Collaboratorium, a joint project between Molloy College and the Baldwin School District that will chart a path for students from high school to college to job market. | 56156 | 2 | 0 | 9 | \$ 1,650,000 | \$ 300,000 | \$ 150,000 |
| New York Institute of Technology START UP NY Incubator | New York Institute of Technology, partnering with Nassau County will establish a START-UP NY Cyber Security Research and Development incubator in Port Washington. | 56869 | 4 | 0 | 10 | \$ 3,242,000 | \$ 650,000 | \$ 400,000 |



Long Island Round 5 Priority & Regionally Significant Projects

Recommendations for Competitive Capital Funding

 :Regional Cluster, Biotechnology
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  :Opportunity Agenda

| Project | Description | CFA # | Direct Jobs Created | Indirect Jobs | Construction Jobs | Total Project Cost | NYS Funds Recommended \$30 Million | NYS Funds Recommended \$15 Million |
|--|--|-------|---------------------|---------------|-------------------|--------------------|------------------------------------|------------------------------------|
| Expansion of Center for Learning and Innovation Employee Training Site   | The North Shore-LIJ Health System (NSLIJ) will expand their Center for Learning and Innovation (CLI). The expanded space will allow NSLIJ to accommodate the development of current and new employees. | 54702 | 10 | 0 | 21 | \$ 3,600,000 | \$ 400,000 | \$ 150,000 |

Investments in Path through History

| | | | | | | | | |
|---|--|-------|---|---|----|--------------|------------|-----------|
| Tesla Science Center Renovation | The Tesla Science Center at Wardenclyffe will open the Nikola Tesla Museum at the last remaining laboratory of inventor Nikola Tesla. The site will include a Museum, a Science Center for educational events, and entrepreneurial space for innovative technology companies. | 51214 | 2 | 0 | 17 | \$ 2,500,000 | \$ 500,000 | \$ - |
| Good Ground Park Gateway | The Good Ground Park gateway will establish a pedestrian and bicycle friendly park entrance and trailhead to link Good Ground Park with the commercial center of Montauk Highway in downtown Hampton Bays. | 52467 | 0 | 0 | 2 | \$ 730,192 | \$ 73,000 | \$ - |
| Long Island Greenbelt Trailhead Improvements | The Village of the Branch will re-purpose an abandoned roadway corridor to establish a trailhead facility at Old Route 111 in the Village of the Branch located near the Town of Smithtown. This project will lead to greater visitation to the commercial center of the village and improve the experience for people on this Long Distance Hiking Trail. | 53499 | 0 | 0 | 1 | \$ 230,700 | \$ 30,000 | \$ - |
| Viva L'Arte County Cultural Environmental Tourism Education Center Gallery | Viva L'Arte will build a LEED certified Cultural Tourism/Education Center & Gallery Space in Historic Downtown Riverhead. | 56020 | 3 | 0 | 66 | \$ 900,000 | \$ 150,000 | \$ 75,000 |



Long Island Round 5 Priority & Regionally Significant Projects

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|--|---|--------|---------------------|---------------|-------------------|--------------------|------------------------------------|------------------------------------|
| Private Company Investments | | | | | | | | |
| Grumman Studios | Grumman Studios in Bethpage will renovate and improve sound stages to attract new TV, film and live productions. | 55823 | 6 | 0 | 41 | \$ 6,200,000 | \$ 750,000 | \$ 300,000 |
| Long Island High Pressure Processing Facility for Food Industry | North Harbor Trading Corp will establish a high pressure processing facility in Riverhead to enhance shelf life of Long Island agriculture and food products. | 51319 | 46 | 0 | 0 | \$ 10,000,000 | \$ 1,250,000 | \$ 500,000 |
| D'Addario and Co. Infrastructure of Efficiency | D'Addario and Company, a global leader in musical instrument accessories, will relocate production back to their Farmingdale facilities with addition of new equipment and jobs. | 5891 | 27 | 0 | 0 | \$ 10,570,000 | \$ 1,000,000 | \$ 500,000 |
| Voxx International Corp. Expansion | Voxx, a global manufacturer of electronic products, will expand, renovate and equip their existing building to increase engineering design and testing operations. | 48534* | 0 | 0 | 0 | \$ 4,000,000 | \$ 500,000 | \$ 200,000 |
| * Voxx International has committed to retain over 200 at-risk jobs | | | | | | | | |
| SIW, Inc. Lean Manufacturing Training and Advanced Manufacturing Growth | SIW, Inc. a metal fabrication company in Bayshore will invest in new equipment and add manufacturing jobs. | 50950 | 7 | 0 | 0 | \$ 891,581 | \$ 133,500 | \$ 100,000 |
| US Luggage Company, LLC Expansion | United States Luggage Company, a manufacturer of high end luggage, located in Hauppauge will expand its operation, acquire new machinery and equipment, furniture and fixtures, and complete renovations to its exiting facility. | 54825 | 12 | 0 | 0 | \$ 705,000 | \$ 141,000 | \$ 100,000 |



Long Island Round 5 Priority & Regionally Significant Projects

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| Project | Description | CFA # | Direct Jobs Created | Indirect Jobs | Construction Jobs | Total Project Cost | NYS Funds Recommended \$30 Million | NYS Funds Recommended \$15 Million |
|--|--|-------|---------------------|---------------|-------------------|--------------------|------------------------------------|------------------------------------|
| Nicolock Paving Stones, LLC Expansion  | Nicolock Pavers will purchase machinery that will expand their operational capacity and create new jobs. | 55384 | 10 | 0 | 0 | \$ 3,799,335 | \$ 200,000 | \$ 100,000 |
| Precision Metals Corp. Expansion   | Precision Metals Corp will construct, renovate and equip their facility in order to start a state-of-the-art composites manufacturing facility. | 55601 | 6 | 0 | 0 | \$ 730,000 | \$ 100,000 | \$ 50,000 |
| Aljo-Gefa Precision Manufacturing, LLC Expansion   | Aljo-Gefa will purchase and install a new line of machinery and equipment for their Bethpage, LI facility. | 57234 | 3 | 0 | 0 | \$ 3,201,452 | \$ 200,000 | \$ 100,000 |
| Arkwin Industries, Corp Expansion  | Arkwin Industries, an aerospace and defense manufacturer, will purchase equipment to increase its capacity and capabilities and to make itself more competitive in the global market. | 57300 | 0 | 0 | 0 | \$ 3,196,950 | \$ 200,000 | \$ 100,000 |
| Jewelers Machinist Co, Inc. Technology Commercialization | Jewelers Machinist Co, Inc. will make renovations to an existing facility and will invest in new equipment. This will allow the company to manufacture their new patented technology. | 52916 | 5 | 0 | 1 | \$ 1,675,000 | \$ 100,000 | \$ 75,000 |
| East/West Industries Inc. Expansion | East/West Industries, a manufacturer of aerospace parts located in Ronkonkoma, will acquire machinery and equipment, expand the size of its facility, and create jobs to increase the capabilities of its operation. | 53950 | 5 | 0 | 1 | \$ 2,155,800 | \$ 200,000 | \$ - |
| Autodyne Manufacturing Co. Inc. Expansion  | Autodyne Manufacturing Company in Lindenhurst will purchase equipment and expand its military parts distribution operations. | 54750 | 4 | 0 | 1 | \$ 1,355,000 | \$ 150,000 | \$ 100,000 |



Long Island Round 5 Priority & Regionally Significant Projects

Recommendations for Competitive Capital Funding

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| Project | Description | CFA # | Direct Jobs Created | Indirect Jobs | Construction Jobs | Total Project Cost | NYS Funds Recommended \$30 Million | NYS Funds Recommended \$15 Million |
|---|---|--------------------|---------------------|---------------|-------------------|-----------------------|------------------------------------|------------------------------------|
| GKN Aerospace CNC Bridgemill Upgrade Manufacturing Engineering Lean Training | GKN Aerospace will invest in retrofitting equipment to expand manufacturing operations. | 56535 | 3 | 0 | 0 | \$ 1,659,879 | \$ 100,000 | \$ - |
| Recommended Funding | | 47 Projects | 353 | 1,325 | 1,150 | \$ 346,499,673 | \$ 30,067,500 | \$ 15,190,000 |



Long Island Round 5 Priority & Regionally Significant Projects

Recommendations

| Project | Description | CFA # | Jobs Created | Indirect Jobs | Construction Jobs | Total Project Cost | NYS Funds Recommended \$30 Million | NYS Funds Recommended \$15 Million |
|--|--|-------------------|--------------|---------------|-------------------|--------------------|------------------------------------|------------------------------------|
| Strategic Planning & Feasibility Studies Recommendations | | | | | | | | |
| Comprehensive Plan for the Village of Mastic Beach  | The Village of Mastic Beach will undertake a strategic planning and feasibility study to transform their downtown into a walkable business district. The plan aims to foster business and residential development, setting the standard of coastal smart growth in the aftermath of Super storm Sandy. | 51755 | 50 | 0 | 0 | \$ 68,700 | \$ 25,000 | \$ 25,000 |
| Sewer Connection Feasibility Study at Riverhead | The Family Community Life Center, Inc. will conduct a study of extending the existing sewer system boundaries in Riverhead to include the contemplated Family Community Life Center site. | 55529 | 0 | 0 | 0 | \$ 45,000 | \$ 25,000 | \$ 25,000 |
| Downtown Strategic Site Assessment Program | Suffolk County Landbank (SCLBC) will create a remedial action plan and site assessment of four environmentally challenged commercial sites located in two economically distressed communities within Suffolk County. | 55774 | 0 | 160 | 1070 | \$ 140,798 | \$ 25,000 | \$ 25,000 |
| Regional Economic Development Analysis and Strategy of the Fisheries Industry | East Hampton will conduct an "Economic Development Analysis and Strategy for the Fisheries Industry," including a historical study of the socio-economic impact of the fishing industry as well as identify areas of growth. | 54241 | 0 | 0 | 0 | \$ 140,000 | \$ 25,000 | \$ 25,000 |
| Recommended Funding | | 4 Projects | 50 | 160 | 1,070 | \$ 394,498 | \$ 100,000 | \$ 100,000 |



Long Island Round 5 Priority & Regionally Significant Projects

Recommendations

Excelsior Jobs Program Recommendations

| Project | Description | CFA # | Jobs Created | Indirect Jobs | Construction Jobs | Total Project Cost | NYS Funds Recommended |
|--|---|-------------------|--------------|---------------|-------------------|---------------------|-----------------------|
|    Avery Biomedical Expansion Training | Avery Biomedical Devices in Commack will expand, adding new equipment and jobs. | 56146 | 10 | 0 | 0 | \$ 379,000 | \$ 195,070 |
|   American Racing Headers and Exhaust Expansion | American Racing Headers and Exhaust will acquire new machinery and equipment, renovate building, and hire new employees to expand the capabilities of its specialty automotive parts manufacturing operation and enter new international markets. | 51023 | 24 | 0 | 0 | \$ 1,153,000 | \$ 350,000 |
| ONDRIVES US CORP | Ondrives, an Aerospace manufacturer in Freeport, will purchase and equip a new building to expand their manufacturing operations. | 54708 | 10 | 0 | 1 | \$ 2,022,000 | \$ 92,400 |
| Haig Press, Inc. | Haig Graphics will renovate their existing facility and add jobs to meet rising demands. | 56536 | 10 | 0 | 0 | \$ 2,425,000 | \$ 99,000 |
| EXCELSIOR TOTALS | | 4 Projects | 54 | 0 | 1 | \$ 5,979,000 | \$ 736,470 |



**Long Island
Regional Economic
Development Council**



NEW YORK
STATE OF
OPPORTUNITY

*Round Five
Priority and Regionally
Significant Projects*



WHAT WE'RE DOING ...

ALL REGIONAL COUNCIL PRIORITY PROJECTS BY AGENCY (SCORE OF 20)

| CFA | Project Name | Eligible Agencies | County | Advances Regional Priorities | Supports the Regional Cluster Plan - Biotechnology | Supports Global NY Marketing/Exporting Strategies | Supports the Opportunity Agenda Initiative | Supports the Sustainability Plan - Cleaner Greener | Supports NY Rising Community Reconstruction | Supports Opportunities for Veterans |
|-------------|--|-------------------|---------|------------------------------|--|---|--|--|---|-------------------------------------|
| ARTS | | | | | | | | | | |
| 53307 | Wyandanch Rising - LI Music Hall of Fame | Arts | Suffolk | X | | | X | | | X |
| DEC | | | | | | | | | | |
| 57606 | The utility of non-commercial shellfish for ecosystem restoration: using Crepidula fornicata to help restore Long Island's South Shore Estuaries | DEC | Suffolk | X | | | | | | |
| 55104 | Alternative Wastewater Treatment Systems | DEC | Suffolk | X | | | | X | | |
| 54124 | Green Reach Infrastructure Demonstration ("G.R.I.D.") Nitrogen and Stormwater Abatement Project at Three Mile Harbor | DEC | Suffolk | X | | | | | | |
| 53491 | Regional Stormwater Management Initiative - Smithtown | DEC | Suffolk | X | | X | | | | |
| 52772 | Mud Creek Watershed Aquatic Ecosystem Restoration Project | DEC | Suffolk | X | | | | | | |
| DOL | | | | | | | | | | |
| 54006 | Special Populations Training Program United Way of Long Island | DOL | Suffolk | X | | | X | | | X |
| 54544 | Nanoprobes Quality Systems Training Nanoprobes Incorporated | DOL | Suffolk | X | X | | | | | |
| 57553 | Mayola Laser Inc.- ERPMPR Implementation and Training | DOL | Suffolk | X | | X | | | | X |
| 56147 | Wyandanch/Huntington Station Healthcare Training Initiative | DOL | Suffolk | X | | | X | | | X |
| 55509 | Luitpold Pharmaceuticals- Training Grant | DOL | Suffolk | X | X | | | | | X |
| 55196 | Huntington Opportunity Resource Center Unemployed/Special Populations Worker Training Program | DOL | Suffolk | X | | | X | | | X |
| 54219 | Skills Level Improvement for existing manufacturing employees- Arma Container Corp | DOL | Suffolk | X | | | | | | |
| 54110 | Existing Employee Training Program- Amneal Pharmaceuticals | DOL | Suffolk | X | X | | | | | X |

* Projects that applied to multiple agencies are listed more than once.

WHAT WE'RE DOING ...

ALL REGIONAL COUNCIL PRIORITY PROJECTS BY AGENCY (SCORE OF 20)

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|------------|---|-------------------|-----------------|------------------------------|--|---|--|--|---|-------------------------------------|
| 53983 | Improving Quality and Efficiency for Advanced Manufacturer- JF Machine Inc. | DOL | Suffolk | X | | | | | | |
| 51835 | Project Management Training- Stony Brook University | DOL | Suffolk, Nassau | X | | | | | | X |
| 51315 | Advanced Employee Manufacturing Training- Oerlikon Metco US Inc. | DOL | Nassau | X | | X | | | | X |
| 50958 | Lean, Safety & Welding Certification to Sharpen Construction Company Efficiency, Safety and Competitiveness- SJS Construction | DOL | Suffolk | X | | | | | | |
| 50527 | Existing Employee Training- South Nassau Communities Hospital | DOL | Nassau | X | X | | | | | X |
| 57300 | Arkwin Machinery Purchases - Training | DOL, ESD | Nassau | X | | X | | | | |
| 56146 | Avery Biomedical Expansion Training | DOL, ESD | Suffolk | X | X | X | | | | X |
| 55384 | Nicolock Expansion | DOL, ESD | Suffolk | X | | | | | | X |
| 54825 | US Luggage Office Expansion and Training | DOL, ESD | Suffolk | X | | X | | | | X |
| 51023 | American Racing Headers and Exhaust Expansion | DOL, ESD | Suffolk | X | | X | | | | X |
| 50950 | SIW, Inc. Lean Manufacturing Training and Advanced Manufacturer's Growth | DOL, ESD | Suffolk | X | | | | | | |
| 57234 | Aljo-Gefa Expansion | DOL, ESD, NYPA | Nassau | X | | X | | | | X |
| 57977 | Wal Machine Training & ReCharge | DOL, NYPA | Suffolk | X | | X | | | | |
| 57373 | Chembio 2016 Existing Worker Training Request | DOL, NYPA | Suffolk | X | | X | | | | |
| 51089 | City of Glen Cove Downtown Energy Efficient Waterfront Parking Building and Small Business Market Place | DOS, ESD, Parks | Nassau | X | | | | X | | |
| DOS | | | | | | | | | | |
| 51755 | Comprehensive Plan for the Village of Mastic Beach | DOS, ESD | Suffolk | X | | | | | X | X |
| 55230 | Joint North Hempstead Port Washington North Asset Mapping | DOS | Nassau | X | | | | | | |
| ESD | | | | | | | | | | |

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WHAT WE'RE DOING ...

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|-------|--|-------------------|-----------------|------------------------------|--|---|--|--|---|-------------------------------------|
| 57558 | Suffolk County Route 110 Preliminary Engineering and Design | ESD | Suffolk | X | | | | | | |
| 57074 | Hofstra University Center for Entrepreneurship Incubator | ESD | Nassau | X | | | | | | X |
| 56921 | Long Island Wine Global Branding Initiative | ESD | Suffolk | X | | X | | | | |
| 56869 | New York Institute of Technology START UP NY Incubator | ESD | Nassau | X | | X | | | | X |
| 56627 | Suffolk County Nicolls Multimodal Hiking Biking Design | ESD | Suffolk | X | | | | | | X |
| 56426 | Next Generation Vaccine Development at Farmingdale College and Nassau Community College | ESD | Suffolk, Nassau | X | X | | | | | X |
| 56156 | The Collaboratorium: Digital Platform Incubator Partnership Between Molloy College and Baldwin School District | ESD | Nassau | X | | | | | | |
| 55759 | Next Generation Drug Discovery and Advanced Therapeutics at Stony Brook University | ESD | Suffolk | X | X | | | | | X |
| 55699 | Cyclotron and Radiochemistry Laboratory at Stony Brook University | ESD | Suffolk | X | X | | | | | X |
| 55614 | Accelerate Long Island Capital Equipment Grant Fund | ESD | Nassau, Suffolk | X | X | | | | | |
| 55601 | Precision Metals Corp. Expansion | ESD | Suffolk | X | | X | | | | X |
| 55529 | Sewer Connection Feasibility Study at Riverhead | ESD | Suffolk | X | | | | | | |
| 55330 | Boost Long Island Biotechnology Startups at Stony Brook University- High Tech Incubator | ESD | Suffolk | X | X | | | | | X |
| 55327 | Additive Manufacturing and Prototyping Center AMPAC at Stony Brook University | ESD | Suffolk | X | | | | | | X |
| 55309 | Peconic Crossing at Riverhead | ESD | Suffolk | X | | | | | | |
| 55208 | Nassau Hub Site Improvements and Connectivity Enhancements | ESD | Nassau | X | | | | | | |

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WHAT WE'RE DOING ...

ALL REGIONAL COUNCIL PRIORITY PROJECTS BY AGENCY (SCORE OF 20)

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|-------|--|-------------------|-----------------|------------------------------|--|---|--|--|---|-------------------------------------|
| 55205 | Downtown Baldwin Complete Streets Enhancements | ESD | Nassau | X | | | | | X | |
| 55168 | Taste the Towns | ESD | Suffolk | X | | X | | | | |
| 55044 | Manna Fish Farms Inc. Aquapods | ESD | Suffolk | X | | X | | | | X |
| 54702 | Expansion of Center for Learning and Innovation Employee Training Site- North Shore LJ | ESD | Nassau | X | X | | | | | X |
| 54627 | Winthrop University Hospital Research Center Equipment Expansion | ESD | Nassau | X | X | | | | | X |
| 54431 | Suffolk County Agricultural Visitor's Campus | ESD | Suffolk | X | | X | | | | |
| 54353 | Enhanced Shared Water Infrastructure for Suffolk County Water Authority at Calverton Enterprise Park Town of Riverhead | ESD | Suffolk | X | | | | | | |
| 54241 | Regional Economic Development Analysis and Strategy of the Fisheries Industry | ESD | Suffolk | X | | | | | | |
| 54013 | Brookhaven National Lab Discovery Park | ESD | Suffolk | X | X | | | | | |
| 53961 | Community Education Workforce and Leadership Training Center- Hofstra University | ESD | Nassau | X | | | | | | X |
| 53818 | Sunrise Association Day Camps | ESD | Nassau | X | | | | | | |
| 53584 | Bay Shore Health and Wellness Center | ESD | Suffolk | X | | | X | | | X |
| 53362 | International Tourism Marketing Initiative | ESD | Nassau, Suffolk | X | | X | | | | |
| 53203 | Long Beach, NY: Active and Alive Year Round | ESD | Nassau | X | | | | | | |
| 53016 | Design and Renovate a Federal Inspection Services Facility FIS- MacArthur Airport | ESD | Suffolk | X | | X | | | | |
| 51319 | North Harbor Trading Co. -LongerLife | ESD | Suffolk | X | | X | | | | X |
| 51131 | Babylon Brewery Incubator | ESD | Suffolk | X | | | | | | X |
| 5891 | D'Addario and Co. Infrastructure of Efficiency | ESD | Suffolk | X | | X | | | | X |

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WHAT WE'RE DOING ...

ALL REGIONAL COUNCIL PRIORITY PROJECTS BY AGENCY (SCORE OF 20)

| CFA | Project Name | Eligible Agencies | County | Advances Regional Priorities | Supports the Regional Cluster Plan - Biotechnology | Supports Global NY Marketing/Exporting Strategies | Supports the Opportunity Agenda Initiative | Supports the Sustainability Plan - Cleaner Greener | Supports NY Rising Community Reconstruction | Supports Opportunities for Veterans |
|-------------|---|-------------------|---------|------------------------------|--|---|--|--|---|-------------------------------------|
| 51755 | Comprehensive Plan for the Village of Mastic Beach | DOS, ESD | Suffolk | X | | | | | X | X |
| 57300 | Arkwin Machinery Purchases - Training | DOL, ESD | Nassau | X | | X | | | | |
| 56146 | Avery Biomedical Expansion Training | DOL, ESD | Suffolk | X | X | X | | | | X |
| 55384 | Nicolock Expansion | DOL, ESD | Suffolk | X | | | | | | X |
| 54825 | US Luggage Office Expansion and Training | DOL ,ESD | Suffolk | X | | X | | | | X |
| 51023 | Design Flow Management and Advanced Welding Certification- American Racing Headers and Exhaust | DOL, ESD | Suffolk | X | | X | | | | X |
| 50950 | SIW, Inc. Lean Manufacturing Training and Advanced Manufacturer's Growth | DOL, ESD | Suffolk | X | | | | | | |
| 57234 | Aljo-Gefa Expansion | DOL, ESD, NYPA | Nassau | X | | X | | | | X |
| 51089 | City of Glen Cove Downtown Energy Efficient Waterfront Parking Building and Small Business Market Place | DOS, ESD, Parks | Nassau | X | | | | | | |
| 55774 | Downtown Strategic Site Assessment Program- Suffolk County Land Bank | ESD, HCR | Suffolk | X | | | | | | |
| 52737 | Downtown Copiague Pedestrian, Roadway, and Streetscape Improvements | ESD, HCR | Suffolk | X | | | | | X | |
| 56037 | LGBT Community Center | ESD, NYPA | Suffolk | X | | | | X | | X |
| 55823 | Grumman Studios | ESD, NYPA | Nassau | X | | | | | | X |
| 48534 | Voxx | ESD, NYPA | Suffolk | X | | X | | | | X |
| HCR | | | | | | | | | | |
| 55774 | Downtown Strategic Site Assessment Program- Suffolk County Land Bank | ESD, HCR | Suffolk | X | | | X | | | |
| 52737 | Downtown Copiague Pedestrian, Roadway, and Streetscape Improvements | ESD, HCR | Suffolk | X | | | | | X | |
| NYPA | | | | X | | | | | | |
| 57234 | Aljo-Gefa Expansion | DOL, ESD, NYPA | Nassau | X | | X | | | | X |
| 57977 | Wal Machine Training & ReCharge | DOL, NYPA | Suffolk | X | | X | | | | |

* Projects that applied to multiple agencies are listed more than once.

WHAT WE'RE DOING ...

ALL REGIONAL COUNCIL PRIORITY PROJECTS BY AGENCY (SCORE OF 20)

| CFA | Project Name | Eligible Agencies | County | Advances Regional Priorities | Supports the Regional Cluster Plan - Biotechnology | Supports Global NY Marketing/Exporting Strategies | Supports the Opportunity Agenda Initiative | Supports the Sustainability Plan - Cleaner Greener | Supports NY Rising Community Reconstruction | Supports Opportunities for Veterans |
|----------------|---|-------------------|---------|------------------------------|--|---|--|--|---|-------------------------------------|
| 57373 | Chembio 2016 Existing Worker Training Request | DOL, NYPA | Suffolk | X | | X | | | | |
| 56037 | LGBT Community Center | ESD, NYPA | Suffolk | X | | | X | X | | X |
| 55823 | Grumman Studios | ESD, NYPA | Nassau | X | | | | | | X |
| 48534 | Voxx | ESD, NYPA | Suffolk | X | | | | | | X |
| NYSERDA | | | | | | | | | | |
| 57564 | Babylon Brewery Incubator | NYSERDA | Suffolk | X | | | | X | | X |
| 54414 | Cleaner Greener Long Island United Way of Long Island | NYSERDA | Suffolk | X | | | X | X | | X |
| PARKS | | | | | | | | | | |
| 55169 | Hempstead Harbor Shoreline Trail Phase III | Parks | Nassau | X | | | | | | |
| 54651 | Veterans Memorial Trail at Calverton Enterprise Park Suffolk County New York | Parks | Suffolk | X | | | | | | |
| 50566 | Fireboat Fire Fighter Restoration Project | Parks | Suffolk | X | | | | | | X |
| 50531 | Manor House | Parks | Nassau | X | | | X | | | X |
| 51089 | City of Glen Cove Downtown Energy Efficient Waterfront Parking Building and Small Business Market Place | DOS, ESD, Parks | Nassau | X | | | | | | |

* Projects that applied to multiple agencies are listed more than once.

WHAT WE'RE DOING ...

WORK GROUP DESCRIPTIONS



Innovation and Industry Cluster Work Group

The focus of our most intensive efforts this round, the Innovation and Industry Cluster Work Group is comprised of leadership from the region's premier universities and research institutions as well as local businesses, hospitals and economic development agencies. The group has identified, shaped and supported projects that align with our strategies for technology commercialization, especially in biotechnology. Since we encourage collaboration within and between work groups, Innovation and Industry

Cluster has a formal relationship with Workforce and Education. In Round Five, the groups formed a multi-sector sub-group to develop a key strategy and specific industry cluster, the consensus of which was biotech.

Global NY Work Group

The Global NY Work Group was tasked with identifying strategies and projects to boost Long Island exports and increase foreign direct investment. The group has identified strategies and supported export and FDI projects that align with the objectives of the Global NY initiative including several unfunded projects like the Export Toolkit. The work group has also participated in several export events held on Long Island and helped to promote state trade missions abroad. The Global NY Work Group will work with the Mid-Hudson and New York City regions to implement our interregional export pipeline and organize export seminars to boost the trade of our strong export clusters.



Workforce, Education and Veterans Work Group

A diverse group of professionals, representing the Universities, K-12 education, Labor, Workforce Investments boards, business owners and veterans groups, the Workforce, Education and Veterans Work Group focuses on integrating education, workforce development and economic development. This year the group focused on better understanding employers' needs, workers' skills, and any education or training gaps between the two. Subcommittees were created to concentrate on specific areas of need. The areas included Outreach to K-12 to increase the talent pipeline; better marketing and branding of sectors; building on relationships to replicate successful initiatives, and following through in Wyandanch, our first Opportunity Agenda Area.

Opportunity Agenda Work Group

In 2011, Long Island recognized the imperative of including all communities – especially those that have suffered from long-term isolation and disinvestment – in our goals and strategies for economic success. Starting in 2013, the passionately committed members of the new Opportunity Agenda Work Group embraced the challenge to deliver this promise of an equity-oriented approach by identifying barriers to economic development and meaningful employment for the unemployed and underemployed, particularly veterans. As a result, the work group reviewed recommended projects to the regional council that not only provided vital infrastructure improvements but also created true career pathways to employment through new training and educational programs. In 2015, we will further the lessons learned by our partnership with the Wyandanch community by welcoming additional distressed communities to our table of partnerships and projects.



WORK GROUP MEMBERS

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D'Addario and Company, Inc.
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Verizon Communications
Community Development Corporation of LI
Brookhaven National Laboratory

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South Nassau Communities Hospital
City of Glen Cove
Renewable Energy Long Island
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Long Island University
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Farmingdale State College
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Brookhaven Industrial Development Agency
NYS Environmental Facilities Corporation
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Building Trades Council of Nassau and Suffolk
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Accelerate Long Island
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United Way Long Island
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New York State Office of Parks, Recreation and
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Long Island Convention and Visitors Bureau
Suffolk County Historic Society
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