

# Island Park Energy Center – A Repowering of E.F. Barrett Power Station



## PROPOSED PROJECT OVERVIEW

National Grid is proposing to repower its E. F. Barrett Power Station located in the Town of Hempstead, Nassau County, New York. The proposed repowering will result in a new modern energy center at the Barrett Station through the installation of new, state-of-the-art electric generators and the removal of all existing electric generating equipment currently on the site. The new energy center will provide a more efficient and cost-effective facility to produce electricity while minimizing impacts on the surrounding communities and providing tax benefits into the future. The repowering, if approved by LIPA and once licensed, will also provide numerous jobs during the construction period.

## EVALUATING THE NEED FOR REPOWERING THE E. F. BARRETT STATION

This proposed repowering will be evaluated by the Long Island Power Authority (LIPA) against its future and anticipated generation capacity needs. A repowered Barrett electric generating station would provide LIPA the opportunity to meet its electricity requirements by producing more electricity in a more efficient and cost-effective manner than the existing facility. Under its current contract, National Grid will propose repowering options at the facility for LIPA's consideration. It is expected that LIPA will make a decision whether or not to repower the Barrett Station in late summer or fall of 2014.

## ENVIRONMENTAL AND ECONOMIC BENEFITS OF REPOWERING

- Uses existing generation station property
- Generates electricity more efficiently and cost-effectively
- Improves reliability of electricity supply
- Reduces emission rates through use of state-of-the-art technology
- Uses clean-burning natural gas as a primary fuel and ultra-low sulfur diesel as a back-up fuel
- Reduces water requirements by eliminating "once-through" cooling
- Creates hundreds of construction jobs
- Provides site tax benefits into the future

## REPOWERING OPTIONS UNDER CONSIDERATION FOR THE PROJECT SITE

National Grid is developing a repowering proposal for LIPA's consideration that includes replacement of the existing steam units (two tall stacks) as well as the smaller peaking combustion turbines on the north side of the property.

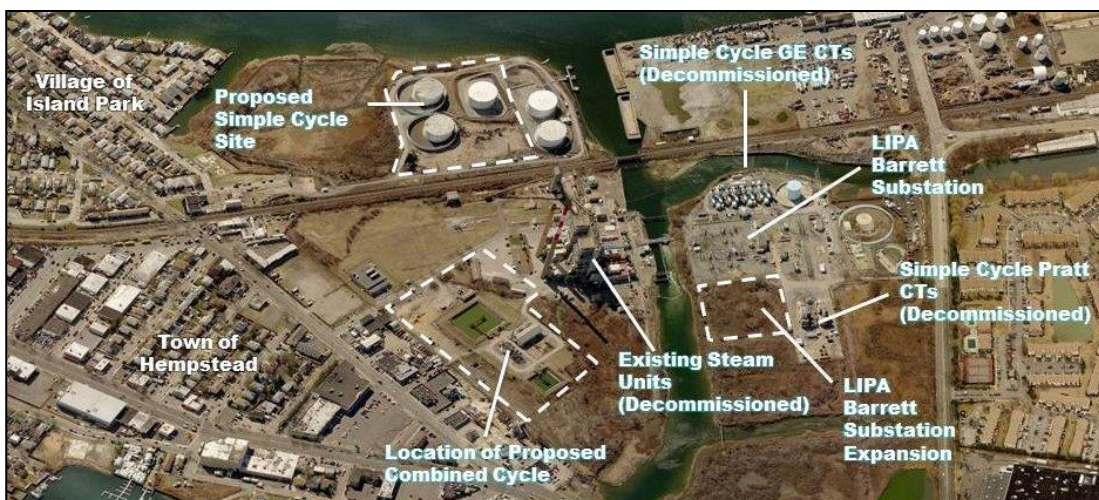
Two potential repowering proposals are being developed resulting in a maximum future generation capacity of approximately 940 megawatts:

1. New 560-650 Megawatts Combined Cycle units, or
2. New 560-650 Megawatts Combined Cycle and up to 330 Megawatts of new Simple Cycle (Peaking) units

National Grid will submit their proposal in the Spring of 2014. A LIPA decision on whether or not to repower, and if so, which option, is expected in fall of 2014.

## PROJECT SITE

The new energy center will be located entirely on the existing National Grid station property.



## HOW IS THE PROJECT LICENSED?

The project will be Licensed under Article 10 of the NYS Public Service Law and permitted by the NYS Department of Environmental Conservation. This process is expected to take up to 16 months to complete. During that time National Grid will be meeting with and providing information to the public, working on designs and performing various studies that will be presented to the State Regulators and the Public as part of the Licensing and Permitting Process. National Grid expects to submit a preliminary scoping statement in late Winter 2014 and the project application in June 2014. Licenses and permits are expected in early 2015.

## WHEN WILL CONSTRUCTION BEGIN?

Construction will not begin until LIPA makes its decision on the proposal and Project licensing is complete in early 2015.

## WHAT IS THE PROJECT SCHEDULE BEYOND LICENSING?

Construction commences on facility – targeted Spring 2015

Commercial operation of any proposed Simple Cycle (Peaker) Turbines – targeted Summer 2017

Commercial operation of new Combined Cycle Units – targeted Summer 2019

Commencement of demolition of existing Station – targeted Fall 2019

## HOW CAN I LEARN MORE ABOUT THE PROJECT?

National Grid has implemented a public involvement program that provides various ways of obtaining information and asking questions regarding the project. A project website has been established at [www.islandparkenergy.com](http://www.islandparkenergy.com) and a telephone hotline for the project is available at (855)-842-7093. Additionally, the public involvement program will include public meetings, project mailings and fact sheets. As the design and licensing process progresses artist renderings and additional regulatory filings under the Article 10 process, containing information on items such as noise, air emissions and water usage, will be available via the project website.