

A. INTRODUCTION

Electrical service in the Proposed Action area is provided by LIPA and transmitted and/or distributed through a series of underground and aboveground transmission and distribution lines, and interconnecting substations and switchyards.

The Substation expansion will include the installation of new substation equipment and support structures within the expansion area as well as installation of new equipment within the existing Substation. The Proposed Action also includes the installation of two underground 13kV distribution exit feeders and associated riser poles where the feeders will connect to existing overhead circuits, as well as overhead distribution circuit upgrades (utility pole replacements and installations and associated pole-top equipment replacements and installations). A temporary transmission bypass will be constructed throughout the duration of Substation construction activities. The Proposed Action will address current electric overloads of the existing Substation.

B. POTENTIAL IMPACTS OF THE PROPOSED ACTION

There is a need for improving the service in the Roslyn-Manhasset area. Expansion of the existing Substation is necessary to reduce the current load of the existing Substation and distribution exit feeders. The Proposed Action would eliminate the need to utilize the nearby North Hills and Manhasset Substations during overload conditions. The Proposed Action would address current needs, provide a more reliable electric supply, and would fulfill future projected loads. The Proposed Action would have beneficial impacts to the LIPA distribution system and the surrounding community, a heavily developed area of Nassau County consisting of many residential and commercial uses, through improved reliability and resiliency.

The Proposed Action will not result in an increase in generating capacity.

As such, there will be no significant environmental impact to energy resources.