

A. INTRODUCTION

This attachment considers potential impacts of the Proposed Action on Energy Resources.

Electrical service in the vicinity of the Proposed Action is provided by LIPA and is transmitted and/or distributed through a series of UG and OH transmission and distribution circuits and interconnecting substations and switchyards.

B. POTENTIAL IMPACTS OF THE PROPOSED ACTION

The Proposed Substation is required to provide an adequate and reliable power supply to the surrounding area and to support new developments in the area including the redevelopment of the Nassau Coliseum, the new Nassau County Police Academy, and the proposed Nassau Hub, a Nassau County sponsored multi-phase mixed-use development planned for the lands surrounding Nassau Coliseum. The Proposed Action will address current needs, provide a more reliable electric supply, and will fulfill future projected loads.

This portion of LIPA's service area is currently served by the nearby East Garden City and Mitchel Gardens Substations. Recent engineering studies and analysis by PSEG Long Island have concluded that the Proposed Action is needed as a result of growing energy demands exceeding the capacity of the existing substations in the area.

The Nassau Coliseum is currently served by the Mitchel Gardens Substation. There is no available property at Mitchel Gardens Substation to support expansion and its existing ability to supply new loads has been exhausted due to recent development in the area. The East Garden City Substation also lacks the capacity to supply new load associated with the Nassau Hub Project due to recent new developments in the area.

The Proposed Action will have beneficial impacts to energy resources and to LIPA's transmission and distribution system in the surrounding community through improved reliability and resiliency of electric service. The Proposed Action will not result in an increase in generating capacity.