

# **Consolidated Edison Company of New York, Inc.**

## **M29 Transmission Line Project**

### **Exhibit 9**

#### **Cost of Proposed Facilities**

## **EXHIBIT 9: COST OF PROPOSED FACILITIES**

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This Exhibit addresses the requirements of 16 NYCRR §86.10(a).

### **9.1 Capital Costs (§86.10(a))**

A capital cost estimate of the M29 Transmission Line Project is provided in Table 9.1.1.

The cost estimate covers approximately 9.5 miles of 345 kV high-pressure fluid-filled (“HPFF”) pipe-type underground transmission feeders installed along a single route that originates at the Sprain Brook Substation in the City of Yonkers and terminates at the new Academy Substation in New York City. Also covered in the cost estimate are the associated equipment improvements at both the existing Sprain Brook Substation and at the new Academy Substation.

### **9.2 Sources of Information (§86.10(b))**

The costs presented in Table 9.1.1 are based upon Con Edison's experience with, and/or actual costs incurred for, similar transmission line and substation construction projects in New York City and Westchester County, including labor costs for excavation, pipe installation and welding, manhole installation, backfilling, repavement, cable pulling and testing. Actual costs will be predicated on final agreements negotiated and formally executed by and between Con Edison and other parties as necessary.

**Table 9.1.1. Estimated Capital Costs**

<b>Item</b>	<b>Description</b>	<b>Estimated Cost</b>
1	Easement and Rights-of-Way Agreements and Surveys	-
2	Materials and Supplies - Cables, Pipe, Manholes, Splices and Associated Equipment	\$17,388,750
3	Labor (Con Edison)	\$13,602,843
4	Construction - Contracts	\$67,646,651
5	Purchased Equipment - 345/138 kV Autotransformers; Phase Angle Regulators (PARs); GIS; Disconnect Switches, Circuit Breakers, Relay Protection, Controls Room Equipment, Fire Detection System, Diesel Generators, Surge Arrestors and Pump House	\$31,567,010
6	Other Direct Costs including Permit Fees, Surveying, Security Services, Vendor Services, Inspection Costs, etc.	\$3,270,119
7	Contingencies ranging from 5 to 20 percent	\$26,926,600
8	Escalation ranging from 3 to 5 percent	\$5,667,400
9	Administrative Overhead, including Engineering Costs, Fees for Legal and Other Services and Allowance for Funds During Construction	\$48,701,400
	<b>Total Estimated Cost*</b>	<b>\$214,770,773</b>

\* Total estimated cost reflects rounding and does not include costs associated with required easements.