

Technical Guidance for Upgrade Cost Matrix for Integrating DER (Updated on 01/03/2024)

Disclaimer - This information is provided for the development of high level cost estimates for DER Interconnection, and is not meant to replace the study estimate or actual cost provided by PSEGLI for specific projects. PSEGLI makes no assurances as to the below price information nor is there any expectation or obligation to provide additional information and/or backup materials as support. It should be used solely as a guide. PSEGLI takes no responsibility into its use. Any developer reviewing this information recognizes and agrees that they are fully responsible for their own developement of cost estimates and takes full and complete responsibility into that development.

		PSEG Long Island
Distribution Line Upgrades	Conductor upgrade/Reconductoring (open wire - Spacer)	\$/mile for three-phase overhead reconductoring or line extension. Install/remove primary cable, crossarm construction with 25% pole replacements, 3LBD for sectionalizing devices and transfer associated equipment and secondary/neutral. Overhead: \$900,000-\$1.4M
	New Overhead Line extension	\$/mile for underground three-phase reconductoring or line extension. Overhead: \$900,000K-\$1.4M Underground: \$3M-\$4M
	Recloser upgrade/installation	Install ASUV switch and riser \$95,000-\$120,000
	Install Line Regulators	N/A
	Installation of new service pole with 3-phase overhead transformer bank (per 100kVA)	\$5,000- \$20,000
	Installation of new pad-mount transformer and meter (per 100kVA)	N/A
	Upgrade of existing overhead/pad-mounted service transformers	N/A
	Install new 1P capacitor bank (fixed/switched) (per 100kVAR)	N/A
	Install new 3P capacitor bank (fixed/switched) (per 100kVAR)	Install new capacitor bank and controls \$25,000-\$50,000
Substation Upgrades	3V0 installation	Install substation high-side potential transformer (PT) and relaying and wire to breakers.: \$225,000 - \$400,000
	DTT Installation	Install 1 DTT communication relay in the control house. Fiber installation is not included \$50,000-\$100,000
	Install/Remove Regulators	N/A
	Upgrade to Bi-Directional Regulator Control	N/A
	Upgrade substation transformer LTC	LTC upgrade \$100,000 to 220,000
	Reconductor underground feeder getaway	New Underground feeder or underground extention. Actual cost depend upon site specific installation. \$500-750/ft
PCC Upgrades	Overhead (OH) Point of Interconnection (POI)/Point of Common Coupling (PCC)	15 kV loadbreaks switch, poles, riser, 15kV primary meter, and miscellaneous overhead equipment. \$15,000 to \$30,000
	Underground (UG) Point of Interconnection (POI)/Point of Common Coupling (PCC)	Install approximately 50' primary cable, 15 kV Pad mounted switch, 15kV primary meter and miscellaneous overhead equipment. \$80,000 to \$150,000
	Single Phase, self-contained meter (600 V)	N/A
	Secondary Metering	N/A
Non-System Costs	Change settings (protection, regulator, cap)	NA
	EMS Integration	NA
Telemetry	Overhead SCADA Recloser	N/A
	Underground SCADA Switch	N/A
Monitoring and Control	M&C equipment for PV projects 50 kW - 500 kW	N/A
	M&C equipment for PV projects 500 kW and greater	SCADA Installation: \$10,000 to \$20,000
Anti-Islanding Mitigation	Reclose blocking for mid-line reclosers	N/A
	Reclose blocking on substation breaker	N/A