

Total Project Summary			
New York Power Authority - Energy Efficiency Program			
Village of Russell Gardens LED Street Lighting Upgrade			
ES-ESN-0834	New Decorative Option - Lighting Only		July 8, 2022
Project Cost: Initial CPC			
Fixture Count		Construction Costs:	\$159,962.84
Cobra Head:	16	NYPA Smart Cities:	\$0.00
Post Top:	76	NYPA Purchased Materials:	\$0.00
Area Light:	10	Asbestos Abatement:	\$0.00
Add'l Post Top:	4	Special Inspections:	\$0.00
Total:	106	Subtotal:	\$159,962.84
		Contingency: 10%	\$15,996.28
		Subtotal:	\$175,959.12
		Abatement Design & Monitoring:	\$0.00
		Hazardous Waste Disposal Cost:	\$424.00
		Environmental Subtotal:	\$424.00
		Audit, Feasibility Study, or Design Only Services:	\$0.00
		Audit, Design, & Construction Mgt:	\$29,913.05 (See Note #1)
		Performance Bond by Implementation Contractor:	\$0.00
		Bonds by Installation Contractor:	\$455.96
		Permits:	\$0.00
		NYPA Project Mgt. & Administrative:	\$31,012.82 (See Note #2)
		Utility Asset Buyout Cost:	\$0.00
		Utility Device Disconnect Deposit Fee:	\$0.00
		Project Subtotal:	\$237,764.96
		Interest During Construction (IDC):	\$11,888.25 (See Note #3)
		Total Project Cost:	\$249,653.20
Estimated Energy Savings		Environmental Benefits: 29.8 Metric Tons	
<u>Estimated Electrical Savings:</u>		<u>Estimated Fuel Savings:</u>	<u>MMBtu Savings: Cost Savings:</u>
kWh Savings:	65,587	Natural Gas:	0 Therm 0.0 \$0.00
kWh Cost Savings:	\$10,791.48	Oil Savings:	0 gal 0.0 \$0.00
Monthly kW Savings:	16.04	Steam (150 psi):	0.0 MLbs 0.0 \$0.00
kW Cost Savings:	\$0.00	Water:	0.0 Kgal 0.0 \$0.00
Total Electrical Savings:	\$10,791.48		0.0 \$0.00
Total Energy Savings:	\$10,791.48	Ownership Savings: \$	2,520.00
		Est. Total Savings:	\$13,311.48
Simple Payback			
		Total Project Cost With IDC:	\$249,653.20
		Estimated Annual Service Contract:	(\$2,040.00) (See Note #4)
		Total NYPA Grants:	\$0.00
		Total Estimated DASNY Grant:	(\$150,000.00)
		Net Project Cost:	\$99,653.20
		Total Amount Saved:	\$11,271.48
		Simple Payback:	8.84
Project Financing			
		TOTAL AMOUNT FINANCED:	\$0.00 (Rebates & Incentives Included)
		Interest Rate:	4.24%
		Years Financed:	10.0
		Number of Payments:	120
		Annual Debt Service to NYPA:	\$0.00
		Monthly Debt Service to NYPA:	\$0.00
		Total Project Cost after Financing:	\$0.00
		Total Annual Savings:	\$11,271.48
		Payback With Financing:	0.00
		Annual Cash Flow:	\$11,271.48
Notes:			
1. Audit, Design, & Construction Mgt represents a cost of 17.0% of the direct Construction and Asbestos Abatement cost and are applied to contingency to provide budget estimates. Final costs will exclude unused contingency and will be calculated at end of project based on final material and labor costs and applicable abatement costs.			
2. NYPA Project Mgt. & Administrative represents a fee of 15.0% of all project costs except IDC.			
3. Interest During Construction is not applicable work performed for NYPA facilities.			
4. Yearly Service Contract includes estimated contract value of \$20 per fixture per year. Village Owned Fixtures not included, already has a fee that will carry through the duration of the project.			