

**Total Project Summary**  
**New York Power Authority - Energy Efficiency Program**  
**Village of Russell Gardens LED Street Lighting Upgrade**  
**New Decorative Option - Lighting Only**

ES-ESN-0834

March 30, 2022

**Project Cost: Initial CPC**

	Construction Costs:	\$144,456.70	
<b>Fixture Count</b>	NYPA Smart Cities:	\$0.00	
Cobra Head: 11	NYPA Purchased Materials:	\$0.00	
Area Light: 10	Asbestos Abatement:	\$0.00	
Post Top: 76	Special Inspections:	\$0.00	
LED: 4	<b>Subtotal:</b>	<b>\$144,456.70</b>	
<b>Total: 101</b>	Contingency: 10%	\$14,445.67	
	<b>Subtotal:</b>	<b>\$158,902.37</b>	
	Abatement Design & Monitoring:	\$0.00	
	Hazardous Waste Disposal Cost:	\$388.00	
	<b>Environmental Subtotal:</b>	<b>\$388.00</b>	
	Audit, Feasibility Study, or Design Only Services:	\$0.00	
	Audit, Design, & Construction Mgt:	\$27,013.40	(See Note #1)
	Performance Bond by Implementation Contractor:	\$0.00	
	Bonds by Installation Contractor:	\$417.44	
	Permits:	\$0.00	
	NYPA Project Mgt. & Administrative:	\$28,008.18	(See Note #2)
	Utility Asset Buyout Cost:	\$0.00	
	Utility Device Disconnect Deposit Fee:	\$0.00	
	<b>Project Subtotal:</b>	<b>\$214,729.40</b>	
	Interest During Construction (IDC):	\$8,589.18	(See Note #3)
	<b>Total Project Cost:</b>	<b>\$223,318.57</b>	

**Estimated Energy Savings**

**Environmental Benefits: 29.8 Metric Tons**

<u>Estimated Electrical Savings:</u>		<u>Estimated Fuel Savings:</u>		<u>MMBtu Savings:</u>	<u>Cost Savings:</u>
kWh Savings:	61,886	Natural Gas:	0 Therm	0.0	\$0.00
kWh Cost Savings:	\$10,182.98	Oil Savings:	0 gal	0.0	\$0.00
Monthly kW Savings:	15.13	Steam (150 psi):	0.0 MLbs	0.0	\$0.00
kW Cost Savings:	\$0.00	Water:	0.0 Kgal	0.0	\$0.00
<b>Total Electrical Savings:</b>	<b>\$10,182.98</b>			0.0	\$0.00
<b>Total Energy Savings:</b>	<b>\$10,182.98</b>	<b>Ownership Savings: \$</b>	<b>2,520.00</b>	<b>Est. Total Savings:</b>	<b>\$12,702.98</b>

**Simple Payback**

Total Project Cost With IDC:	\$223,318.57	
Estimated Annual Service Contract:	(\$1,940.00)	(See Note #4)
Total NYPA Grants:	\$0.00	
Total Estimated DASNY Grant:	(\$150,000.00)	
Net Project Cost:	\$73,318.57	
Total Amount Saved:	\$10,762.98	
Simple Payback:	6.81	

**Project Financing**

TOTAL AMOUNT FINANCED:	\$0.00	(Rebates & Incentives Included)
Interest Rate:	5%	
Years Financed:	10.0	
Number of Payments:	120	
<b>Annual Debt Service to NYPA:</b>	<b>\$0.00</b>	
<b>Monthly Debt Service to NYPA:</b>	<b>\$0.00</b>	
<b>Total Project Cost after Financing:</b>	<b>\$0.00</b>	
Total Annual Savings:	\$10,762.98	
Payback With Financing:	0.00	
<b>Annual Cash Flow:</b>	<b>\$10,762.98</b>	

Notes:

- 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.
- NYPA Project Mgt. & Administrative represents a fee of 15.0% of all project costs except IDC.
- Interest During Construction is not applicable work performed for NYPA facilities.
- 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.