

June 30, 1942

1241

ELECTRIC GENERATING PLANT

Use: To generate electric power.

Authority: First Supplementary National Defense Appropriation Act 1941. Approved June 26, 1940. Public No. 667, 76th Congress. (Limitation \$1,200,000.00)

Location: In new area inside west gate, Langley Field, Va.; approved by Secretary of War October 3, 1940.

History: Preliminary work on electric generating plant started August 12, 1940.
Electric generating plant placed in operation November 7, 1941.

Construction:

Dimensions of building	125' x 83' x 37' high
Ground area	10,400 sq ft
2nd floor area (mezzanine)	680 sq ft
Cubic content (usable)	247,000 cu ft
Character	Steel frame and roof trusses, brick walls, reinforced concrete foundation and floor slab - 5-ton crane 61' span
Type and thickness of walls	Brick 12 $\frac{1}{2}$ " pilasters, 8" panels, 4" cinder block partition walls plastered on inside walls
Type and thickness of floor	1st floor 6" thick concrete slab; mezzanine floor 4" reinforced concrete slab on steel beams
Type of roof	Light-weight concrete channel slabs, 1" insulation, 5-ply felt roof covered with a gravel composition

Cost Summary

Cost of Electric Generating Plant (including plant and electric generating equipment) \$972,289.24

Cost per cubic foot 3.936

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Detailed Costs

Structure (plant and electric generating equipment)		\$972,289.24
Equipment		
Fencing at Power Generating Plant		2,047.57
Inventoried mechanical equipment	\$1,181.10	
Inventoried instruments	346.45	
Inventoried furniture	432.30	
Inventoried electrical equipment	1,080.95	
Inventoried fire-fighting equipment	497.00	
Additions through P.J.O. 62 - Power Generating Plant - Equipment and Alterations	<u>4,559.01</u>	<u>8,096.81</u>
		\$982,432.62