

Hines Electrical and Communication, Inc. Date: 11-08-2024
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EC13003393



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-GENERATOR SIZING LOADS-

Title:	Existing Service Load Calculations	Columbia County Power Co FP&L Meter # 154-56- 009
Location:	22432 US Hwy 441 High Springs 32643	
Name:	Trudie Dubose (352-514-6783) C/O Alan	Parcel # 16-7S-17- 1005-000
To:	Gary Clemmons (352-514-6783)	

Description:	Per Unit Load:	Units:	Connected Load:	Adjustment:	Total VA:
General/Lighting	2,079 sq'x 3 va	1	6,237 va	1.00	6,237 va
Small Appliance	1,500 va	2	3,000 va	1.00	3,000 va
Laundry	1,500 va	1	1,500 va	1.00	1,500 va
Dryer	5,000 va	1	5,000 va	1.00	5,000 va
Water Heater	7,000 va	1	7,000 va	1.00	7,000 va
Dish Washer	1,650 va	1	1,650 va	1.00	1,650 va
Refrigerator	600 va	1	600 va	1.00	600 va
HVAC x 2	9,000 va 5,500 va	2	14,500 va	1.25 Largest-	11,250 va
Water Well	N/A	N/A	N/A	N/A	N/A
Range	4,800 va	1	4,800 va	1.00	4,800 va

Total @ 41,037 va

-Optional Method (Generator) Used-
41,037 va

First 10,000 va @ 100% = 10,000 va

Remaining va @ 40% = 12,415 va

New Adjusted Total: 22,415 va

Total VA = 22,415 va

Divided by 240 = 93 amp

Service Size Current @ 120/240v S-phase 4-wire = 200 amp

Generator Size 20 kw @ 120/240v = 84 amp

Generator @ 80% Load Rating (amperage allowable on generator) 67 amp

This residence will require a 20kw
Generator 120/240v Single Phase 60 hz lp/ng

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