ELECTRIC JANE

MARYWOOD UNIVERSITY SCHOOL OF ARCHITECTURE (MUSoA)
ATTACHED HOUSING (AH) DIVISION
31,000 gallons/year
SUMMER
SOLSTICE

WINTER
SOLSTICE
4,730 kWh/year
5,110 kWh/year
HERS INDEX

HfH NEW BUILD
HERS 50

SCRANTON PASSIVE HOUSE
HERS 28

ELECTRIC JANE
HERS 25
HERS 9 w/ PV

HfH NEW BUILD
SPH

ELECTRIC JANE

HERS INDEX

HfH
NEW
BUILD

HERS 28

HERS 25
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ELECTRIC JANE
ELECTRIC JANE

SPH

HfH NEW BUILD

MORTGAGE/mo

TOTAL/mo

UTILITIES/mo

+$55,860/35yrs

+$133/mo

TOTAL/mo

MORTGAGE/mo

UTILITIES/mo

+$332/mo

+$368/mo

+$501/mo

+$36/mo

+$551/mo

1,743 ft²

GROSS AREA

SPH

2,153 ft²

HfH NEW BUILD

1,600 ft²

$226/mo

$275/mo

$501/mo

$332/mo

$36/mo

$501/mo

$226/mo

$275/mo

$501/mo
**HfH NEW BUILD**

- **ONSITE GENERATION**: 0 kWh/yr

**SPH**

- **ONSITE GENERATION**: 4,730 kWh/yr

**ELECTRIC JANE**

- **ONSITE GENERATION**: 5,110 kWh/yr
- **SITE ENERGY**: + 159,600 kWh/35 yrs
- **ONSITE GENERATION**: + 4,560 kWh/yr
- **ONSITE GENERATION**: + 380k Wh/yr
- **SITE ENERGY**: + 159,600 kWh/35 yrs
ELECTRIC JANE
SPH
HfH NEW BUILD (223)
-79,637 lbs CO₂
+16,078 lbs CO₂
BIOGENIC CARBON STORAGE (50 YEARS)
CARBON CONSTRUCTION
A (195)
-88,184 lbs CO₂
+130,072 lbs CO₂
CARBON CONSTRUCTION

BIOGENIC CARBON STORAGE
CARBON OPERATION (50 YEARS)

$+3,240,202 \text{ kg CO}_2$

ELECTRICITY (COAL-FIRED POWER PLANT)

ELECTRICITY (JANE)

PVs