

THE BEACONS

Tower

Height 100 m
Width 10 m

Solar

% producing 100%
 1m 0.15 KW
 1m insolation 6 kWh
 capacity 150 KW
 daily output 1200 kWh
 hourly output 50 kWh
 Stored kWh 600 kWh
 Storage 50 kWh

AEP per 10,512,000.00 kWh
 Number of 8
 Total output 84,096,000.00 kWh

PSH

height 100
 number of 1
 pipe radius 0.076200152 m
 area 0.018232295 m²
 height 100 m

Total pipe 0.018232295 m²
 Nozzle area 0.003646459 m³
 v 44.29446918 m/s
 CMS 0.161517962 m³/s
 Power 158.4491204 KW
 Eff 110.9143842 KW

Storage m³ 13955.15188 m³
 cube size 23.32181829 m

Wind

Number of 15
 area per unit 1.5 m²
 number of 75
 constriction 2.5
 rating per 0.15 KW @ 5 m/s
 capacity 11.25 KW
 unit output 3.6 kWh
 Tower output 270 kWh

AEP per 98,550.00 kWh
 Number of 8
 Total output 788,400.00 kWh

WIND ACCELERATOR ARRAY

SOLAR ARRAY

CONCENTRATOR TOWER

VIEWING BRIDGE

REFLECTANCE POOL

