**WIND ENERGY WORKSHEET**

E = 0.015 x A x V3

* E = energy output per day (kWh)
* A = rotor area (m2)
* V = wind speed (m/s)

Efficiency = 40%

Actual Energy Output = E x 0.40

A = 100 m2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Location** | **A**  **(m2)** | **V**  **(m/s)** | **E**  **(kWh PER DAY)** | **ACTUAL ENERGY OUTPUT**  **(kWh PER DAY)** |
| Happy Homestead | 100.0 | 5.4 |  |  |
| Value Village | 100.0 | 3.8 |  |  |
| Toon Town | 100.0 | 2.5 |  |  |
| Silly City | 100.0 | 4.1 |  |  |