**TIDAL ENERGY WORKSHEET**

E = 2793 x A x h2

* E = energy output per day (kWh)
* A = horizontal area of the basin (km2)
* h = vertical tidal range (m)

Efficiency = 30%

Actual Energy Output = E x 0.30

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **AREA** | **A**  **(km2)** | **h**  **(m)** | **E**  **(kWh PER DAY)** | **ACTUAL ENERGY OUTPUT**  **(kWh PER DAY)** |
| Sunny Shore | 0.75 | 10 |  |  |
| Blustery Beach | 0.5 | 15 |  |  |
| Coral Coast | 0.25 | 5 |  |  |