





energy convertor but provides a covered public space for local activities.

Each turbine, 15m in diameter and 30m above ground level, can generate approximately 33000 kWh from an average wind speed of 14km/h. 28 turbines combined can generate approximately 924MWh. The tensile PV membranes are spanning across turbines masts, approximately 3600m2 (1/3 of the SE facing surface) is available for photovoltaic installation, generating up to 7200MWh (2000kWh/m2.)

Rainwater is collected on the parabolic membrane surface and funneled down through concealed pipes to underground water tank for reuse. The 'funnel-shaped' structure minimizes construction footprint and surface runoff.

Abu Dhabi Annual Wind Direction %







