

Off-Grid Power System — Design Intake

Complete as much as you can before your consultation. Don't worry about gaps — we'll work through anything missing together. Email the finished form to hello@tangibleconsulting.au, or bring it to your site visit.

YOUR DETAILS

Full name

Company (if applicable)

Phone

Email

Site address

1. Site & Location

Nearest town / GPS coordinates (for remote sites)

Known ambient temperature extremes (if known)

Site access notes (crane / truck / forklift access, gate width, ground conditions)

2. Your Energy Usage

Do you have existing power bills or usage history?

☐ Yes ☐ No

Average daily usage, kWh/day (if known)

Estimated peak demand, kW (if known)

If usage is unknown, list your key appliances / equipment:

APPLIANCE / EQUIPMENT	POWER RATING (W / kW)	QTY	HOURS / DAY

Gas connection: ☐ Mains gas ☐ LPG ☐ None

Appliances currently on gas (e.g. cooktop, hot water)

Of these, which would you convert to electric?

Planned future increases in demand (e.g. EV charging, new pump station, additional buildings)

— 3. Electrical Supply Requirements

Supply required: ☐ Single-phase ☐ Three-phase ☐ Not sure

Equipment with high starting / running current (motors, pumps, compressors):

EQUIPMENT	RATED POWER	QTY	NOTES (starting method, etc.)

— 4. Critical & Must-Run Loads

Equipment that must keep running during low-sun periods or maintenance:

Desired autonomy / reserve (days without sun)

— 5. Solar Array Details

Existing solar panels installed? ☐ Yes ☐ No

Total array size, kW (existing or planned)

Panel wattage (each)

Brand / spec

Quantity

Age (years)

Mounting (roof / ground / tracker)

Configuration (how many strings, how many panels per string — list each string if uneven)

Available roof / ground space for new panels

Orientation & shading (north-facing? trees or buildings shading the array?)

Planning to expand the array in future? ☐ Yes ☐ No

If yes, planned additional size (kW / panel count)

6. Backup Power Preferences

Would you like a backup generator input included? ☐ Yes ☐ No ☐ Not sure

Existing generator on site? ☐ Yes ☐ No

Generator make / model

Generator size (kW)

7. Wind Resource

Interested in a wind generator input? ☐ Yes ☐ No ☐ Not sure

Known wind resource at the site (if any data or experience)

8. Budget & Timeline

Approximate budget range

Desired installation timeframe

Additional notes or special requirements

Signature

Date

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