PORTABLE TURBINE
ENERGY

October 21, 2025

Information Checklist for Preliminary Feasibility Assessment

I. Technical Requirements

1. Load Profile & Power Demand

- What is your continuous (base) load requirement?
- What is your peak load requirement (in kW/MW)?
- What is the required daily runtime (e.g., 24/7, intermittent)?
- Do you require N+1 or N+2 redundancy?
- Are there load fluctuations or mission-critical time windows we should be aware of?

2. Voltage & Frequency

- What is the required output voltage (e.g., 11kV, 13.8kV, 33kV)?
- What is the frequency requirement (50Hz or 60Hz)?
- Are there any synchronization needs with an existing grid or UPS systems?

3. Power Quality

- Are there specific Total Harmonic Distortion (THD) limitations?
- Are power factor correction systems required?
- What are the limits for voltage and frequency deviation?

4. Backup & Emergency Systems

- Will this system be primary, backup, or integrated into a hybrid power system?
- Do you require black-start capability?
- Are battery energy storage systems (BESS) or UPS integration required?

5. Emissions & Environmental Compliance

- Are there specific local/national emission regulations (NOx, CO2, SOx)?
- Do you require Tier IV Final, EPA, or EU compliance?
- Are sound/noise emissions an issue (e.g., below 65 dBA at 10m)?

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II. Fuel Supply and Infrastructure

6. Fuel Availability

- What type of gas is available on-site (natural gas, LNG, LPG, etc.)?
- What is the gas composition (CH4 %, BTU value, presence of sulfur or moisture)?
- What is the expected pressure and flow rate?
- Is the gas metered? If yes, please provide technical details.

7. Fuel Supply Infrastructure

- Is the gas already piped to the location where the turbine will be installed?
- Are there existing regulators, meters, scrubbers, or compressors on site?
- Is dual-fuel capability required (e.g., gas + diesel backup)?

III. Site Conditions & Logistics

8. Site Location & Layout

- Can you provide a site map with utility points and available space?
- What is the available footprint (in square meters)?
- What are the terrain and soil conditions?
- Are there any noise or height restrictions (e.g., due to zoning or nearby structures)?

9. Access & Transportation

- Is there heavy equipment access to the site (for turbine modules, crane, etc.)?
- Are there weight limitations on access roads?
- Is special permitting required for oversized loads?

10. Grid Connection

- Is anything currently connected to the grid?
- Will the new system need to synchronize with or island from the grid?
- Who is the local utility provider, and do you have an interconnection agreement?

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IV. Project Management & Scheduling

11. Timeline

- What is your target commissioning date?
- Are there any critical milestones (e.g., site readiness, permitting)?
- Is a phased deployment (e.g., 20 MW x 3) acceptable?

12. Permits & Approvals

- Have any permits (environmental, construction, interconnection) been applied for?
- Will the client handle permitting, or do you require PTE to manage that?

13. Local Contractors & Labor

- Do you have preferred subcontractors for civil or electrical work?
- Are there local union or labor requirements?
- Will your team be available for joint commissioning and O&M training?

V. Commercial & Financial

14. Budget & Financing

- What is the estimated budget range for this project?
- Will this be a capital purchase, lease, or power purchase agreement (PPA)?
- Are there any funding deadlines or restrictions?

15. Operation & Maintenance

- What is your preferred O&M model (client-run, PTE-run, hybrid)?
- What are your expectations for service intervals and uptime guarantees?
- Would you require remote monitoring, SLAs, or 24/7 support?

16. Warranty & Performance Guarantees

- What warranty period is expected (12/24/36 months)?
- Are you seeking performance guarantees (efficiency, availability, emissions)?

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VI. Required Documents & Next Steps

17. Can you provide the following documents:

- Site layout and utility schematics
- Electrical single-line diagrams
- Gas quality report and supply line drawings
- Load profile data (preferably in 15-min intervals)
- Environmental assessment or permitting documents
- Any RFP or scope documentation already developed
- Is there a power system analysis available for the project
- If not, will It be developed by PTE

Conclusion / Next Steps

We appreciate your time and effort in providing the requested information. Your responses will enable Portable Turbine Energy LLC to conduct a thorough evaluation and develop a comprehensive, technically sound, and commercially viable proposal tailored to your specific project needs.

Upon review of the completed questionnaire and supporting documents, we will:

1. Conduct an internal feasibility and scope assessment.
2. Reach out to clarify or confirm any open items.
3. Deliver an indicative commercial offer or proposal within 10 business days.
4. Upon confirmation and initial deposit (50%), we will schedule a site visit for physical inspection and final technical validation.

Please return the completed document to INFO@PORTABLETURBINEENERGY.COM at your earliest convenience. Should you require any assistance or have questions during the process, our team is ready to support you.

We look forward to the opportunity of working together and delivering a reliable and innovative energy solution.

Sincerely,
Management Team
Portable Turbine Energy LLC