

TERRESTRIAL ENERGY

TERRESTRIAL ENERGY INC. CHARTER OF THE AUDIT COMMITTEE OF THE BOARD OF DIRECTORS

The Board of Directors (the “Board”) of Terrestrial Energy Inc. (the “Company”) has established the Audit Committee of the Board (the “Committee”) having the authority, responsibilities and specific duties set forth in this Audit Committee Charter (this “Charter”).

I. Purposes

The purposes of the Committee are to:

- A. Oversee the accounting and financial reporting processes of the Company and the audits of the Company’s financial statements;
- B. Assist the Board in fulfilling its oversight responsibilities regarding the:
 - Internal controls over the Company’s financial reporting;
 - Integrity of the Company’s financial statements;
 - Company’s compliance with legal and regulatory requirements;
 - Qualifications, independence and performance of the independent registered public accounting firm engaged for the purpose of preparing or issuing an audit report or performing other audit, review or attest services for the Company (the “Independent Registered Public Accounting Firm”); and
 - Establishment of and, thereafter, effectiveness and performance of the Company’s internal audit function;
- C. Annually, prepare an Audit Committee Report and publish the report in the Company’s proxy statement for its annual meetings of stockholders, in accordance with applicable rules and regulations; and
- D. Perform such other functions as the Board may assign to the Committee from time to time.

In fulfilling its purpose, the Audit Committee is responsible for maintaining free and open communication between itself and the Independent Registered Public Accounting Firm, as well as

management of the Company (“Management”) and the director or manager of the Company’s internal audit function or department (if any) (the “Internal Auditor”), and for determining that all parties are aware of their responsibilities.

II. Membership

The Committee shall consist of not less than three members of the Board. Each member of the Committee must be “independent” in accordance with the requirements of The Nasdaq Stock Market LLC (“Nasdaq”) and the requirements of Rule 10A-3 under the Securities Exchange Act of 1934, as amended (the “Exchange Act”). Committee members meeting the applicable independence requirements described above are referred to as “Independent Directors.”

Each member of the Committee (i) shall meet the experience requirements of Nasdaq, including the requirement that members of the Committee must be able to read and understand financial statements, including the Company’s balance sheet, income statement and cash flow statement, and (ii) must not have participated in the preparation of the financial statements of the Company or any current subsidiary of the Company at any time during the past three years. At least one member of the Committee must have past employment experience in finance or accounting, requisite professional certification in accounting or other comparable experience or background that leads to financial sophistication. In addition, at least one member of the Committee must be an “audit committee financial expert” (as defined by applicable rules of the Securities and Exchange Commission (“SEC”). A person who satisfies this definition of audit committee financial expert will also be presumed to have financial sophistication. Committee members shall not simultaneously serve on the Audit Committees of more than two public companies other than the Company, unless the Board determines that such simultaneous service would not impair the ability of such member to effectively serve on the Committee.

Notwithstanding the foregoing membership requirements, no action of the Committee shall be invalid by reason of any such requirement not being met at the time such action is taken.

The members of the Committee and its Chairperson (the “Committee Chair” or “Chair”) shall be selected annually by the Board, taking into consideration the recommendation of the Nominating and Governance Committee, and shall serve at the pleasure of the Board or until their earlier resignation or death. The Board shall have power at any time to fill vacancies on, to change the membership of, or to dissolve the Committee. If a Chair is not designated by the Board or present at a meeting, the Committee may designate a Chair by majority vote of the Committee members.

III. Delegation of Authority

The Board delegates all authority to the Committee as may be required or advisable to fulfill the purposes and responsibilities of the Committee. Without limiting the generality of the preceding statement, the Committee shall have the authority, and is entrusted with the responsibility, to take the following actions:

- A. ***Investigations.*** Conduct or authorize investigations as it deems appropriate into any matter, including, but not limited to, complaints relating to accounting, internal accounting controls, or auditing matters, in each case, within the scope of the

responsibilities delegated to the Committee, including the authority to request any officer, employee or advisor of the Company to meet with the Committee or any advisors engaged by the Committee;

- B. ***Experts, Advisors and Consultants.*** Retain, approve the fees payable to, amend the engagement with, oversee the work of, and terminate independent legal counsel, accounting experts and other experts, advisors and consultants as it deems necessary or appropriate to fulfill its responsibilities, including the sole authority to appoint or replace the Independent Registered Public Accounting Firm (subject, if applicable, to stockholder ratification). The Committee may also utilize the services of the Company's regular outside legal counsel or other advisors to the Company.

Any communications between one or more members of the Committee, on the one hand, and the Committee's outside legal counsel, on the other hand, will be privileged communications. The Company shall provide for appropriate funding, as determined by the Committee, for payment of (i) compensation to any Independent Registered Public Accounting Firm engaged for the purpose of rendering or issuing an audit report or performing other audit, review or attest services for the Company; (ii) compensation to any counsel, experts, consultants or advisors retained by the Committee; and (iii) ordinary administrative expenses of the Committee that are necessary or appropriate in carrying out its duties; and

- C. ***Delegation.*** Delegate to the Committee Chair, any one of its members or any subcommittee it may form the responsibility and authority to take action in relation to any particular matter, as it deems appropriate from time to time under the circumstances and consistent with applicable law. However, no subcommittee shall have the authority to engage independent legal counsel or other experts and advisors unless expressly granted such authority by the Committee. The Committee shall not delegate to a subcommittee any power or authority required by law, regulation, or listing standard to be exercised by the Committee as a whole. Each subcommittee shall be composed solely of Independent Directors. Each subcommittee shall keep minutes and regularly report to the Committee.

IV. Responsibilities

The Committee's responsibilities are limited to oversight. Although the Committee has the responsibilities set forth in this Charter, it is not the responsibility of the Committee to (i) plan or conduct audits, (ii) determine that the Company's financial statements and disclosures are complete, accurate and in accordance with generally accepted accounting principles ("GAAP") and applicable laws, rules and regulations, (iii) determine that the Company's financial statements and disclosures are in accordance with the Company's corporate governance policies, or (iv) assess the effectiveness of the Company's internal control over financial reporting. These are the responsibilities of Management, the Company's internal audit function (if any), and the Independent Registered Public Accounting Firm.

A. ***Interaction with the Independent Registered Public Accounting Firm.***

1. **Appointment and Oversight.** The Committee shall be directly responsible for the appointment, compensation, retention and oversight of the work of

the Independent Registered Public Accounting Firm hired for the purpose of preparing or issuing an audit report or performing other audit, review or attest services for the Company. The Committee and the Independent Registered Public Accounting Firm will discuss the firm's responsibilities and the responsibilities of Management in the audit process. The Independent Registered Public Accounting Firm shall report directly to the Committee. In addition, the Committee shall oversee the resolution of any disagreements between Management and the Independent Registered Public Accounting Firm regarding financial reporting. The Committee may terminate the Independent Registered Public Accounting Firm if such termination is deemed necessary or advisable by the Committee.

2. Pre-Approval of Services. Before the Independent Registered Public Accounting firm is engaged by the Company to render any audit or non-audit services, the Committee shall approve such services and any related fees. The Committee may establish pre-approval policies and procedures for the approval of any audit and permitted non-audit services to be performed by the Independent Registered Public Accounting Firm. Committee pre-approval of audit and non-audit services is not required if the engagement for the services is entered into pursuant to the pre-approval policies and procedures established by the Committee. If no such pre-approval policies and procedures have been established by the Committee, then all services by the Independent Registered Public Accounting Firm must be pre-approved by the Committee, subject to the *de minimis* exception for non-audit services described in Section 10A(i)(1)(B) of the Exchange Act that are approved by the Committee prior to the completion of the audit. The Committee Chair has the authority to grant pre-approvals, *provided* that such approvals are within the pre-approval policy and presented to the Committee at a subsequent meeting.
3. Independence and Performance of Registered Public Accounting Firm. The Committee shall, at least annually, review the independence, performance and quality control procedures of the Independent Registered Public Accounting Firm and the experience and qualifications of the Independent Registered Public Accounting Firm's lead partner and other senior personnel that are providing audit services to the Company. In conducting its review, the Committee shall:
 - (a) Obtain and review a report prepared by the Independent Registered Public Accounting Firm describing (i) such firm's internal quality control procedures and (ii) any material issues raised by the most recent internal quality-control review, or peer review, of the firm, or by any inquiry or investigation by governmental or professional authorities, within the preceding five years, involving one or more independent audits carried out by the firm, and any steps taken to deal with any such issues;
 - (b) Discuss with representatives of the Independent Registered Public

Accounting Firm its independence from the Company, and obtain and review a written statement prepared by the Independent Registered Public Accounting Firm describing all relationships between the Independent Registered Public Accounting Firm and the Company, consistent with applicable requirements of the Public Company Accounting Oversight Board (“PCAOB”) regarding the Independent Registered Public Accounting Firm’s communications with the Committee concerning independence, and consider the impact that any relationships, including any relationships between the Independent Registered Public Accounting Firm and members of Management, or services may have on the objectivity and independence of the Independent Registered Public Accounting Firm;

- (c) If applicable, consider whether the provision by the Independent Registered Public Accounting Firm of any permitted information technology services or other non-audit services to the Company is compatible with maintaining the independence of the Independent Registered Public Accounting Firm;
- (d) Confirm with the Independent Registered Public Accounting Firm that the firm is in compliance with the partner rotation requirements established by the SEC;
- (e) Consider whether it is appropriate to adopt a policy of rotating the Independent Registered Public Accounting Firm; and
- (f) Review and evaluate the qualifications, performance and independence of the Independent Registered Public Accounting Firm, including an evaluation of the lead audit partner.

B. *Annual Financial Statements and Annual Audit.*

1. Meetings with Management, the Independent Registered Public Accounting Firm and the Internal Auditor. The Committee shall:
 - (a) Meet with Management, the Independent Registered Public Accounting Firm and the Internal Auditor (if any) in connection with each annual audit to discuss the scope of, the procedures to be followed during, and the staffing of the audit;
 - (b) Review and discuss with Management and the Independent Registered Public Accounting Firm: (i) major issues regarding accounting principles and financial statement presentations, including any significant changes in the Company’s selection or application of accounting principles (including a discussion of the Independent Public Accounting Firm’s perspective on best practices), and major issues as to the adequacy of the Company’s internal controls, critical

audit matters and any special audit steps adopted in light of material control deficiencies; (ii) the Company's report on internal control over financial reporting prepared prior to filing the Company's annual report on Form 10-K (the "Form 10-K"); (iii) any analyses prepared by Management or the Independent Registered Public Accounting Firm setting forth significant financial reporting issues and judgments made in connection with the preparation of the Company's financial statements, including analyses of the effects of alternative treatments of financial information within GAAP on the Company's financial statements; (iv) the effect of regulatory and accounting initiatives, as well as off-balance sheet structures, on the Company's financial statements; and (v) the completeness and clarity of the disclosures in the financial statements; and

- (c) Review and discuss the annual audited financial statements with Management and the Independent Registered Public Accounting Firm, the form of audit opinion to be issued by the Independent Registered Public Accounting Firm on the financial statements and the Company's disclosures under "Management's Discussion and Analysis of Financial Condition and Results of Operations" to be included in the Company's Form 10-K before the Form 10-K is filed.

2. Separate Meetings with the Independent Registered Public Accounting Firm. The Committee shall:

- (a) Review with the Independent Registered Public Accounting Firm any issues the Independent Registered Public Accounting Firm may have encountered during the course of the audit work, including any restrictions on the scope of activities or access to required information or any significant disagreements with Management and Management's responses to such matters. Among the items that the Committee should consider reviewing with the Independent Registered Public Accounting Firm are: (i) any accounting adjustments that were noted or proposed by the Independent Registered Public Accounting Firm but were "passed" (as immaterial or otherwise); (ii) any communications between the audit team and the Independent Registered Public Accounting Firm's national office respecting auditing or accounting issues presented by the engagement; and (iii) any "management" or "internal control" letter issued, or proposed to be issued, by the Independent Registered Public Accounting Firm to the Company. The Committee shall obtain from the Independent Registered Public Accounting Firm assurances that Section 10A(b) of the Exchange Act has not been implicated. The review should also include discussion of the responsibilities, budget and staffing of the Company's internal audit function (if such a function is established);

- (b) Discuss with the Independent Registered Public Accounting Firm the report that such firm is required to make to the Committee regarding:
 - (i) all accounting policies and practices used that the Independent Registered Public Accounting Firm has identified as critical; (ii) all alternative treatments of financial information within GAAP for policies and practices related to material items that have been discussed among Management and the Independent Registered Public Accounting Firm, including the ramifications of the use of such alternative disclosures and treatments, and the treatment preferred by the Independent Registered Public Accounting Firm; (iii) any “management” or “internal control” letter issued, or proposed to be issued, by the Independent Registered Public Accounting Firm, including a discussion of any “material weakness” or “significant deficiency” in the design or operation of internal control over financial reporting, and any steps taken to resolve the issue; and (iv) all other material written communications between the Independent Registered Public Accounting Firm and Management of the Company, such as any management letter, management representation letter, reports on observations and recommendations on internal control over financial reporting, the Independent Registered Public Accounting Firm’s engagement letter, the Independent Registered Public Accounting Firm’s independence letter, schedule of unadjusted audit differences and a listing of adjustments and classifications not recorded, if any;
 - (c) Discuss with the Independent Registered Public Accounting Firm the matters required to be discussed by applicable accounting standards; and
 - (d) Request the Independent Registered Public Accounting Firm to provide relevant information about any PCAOB inspections into the audit of the Company.
3. Recommendation to Include Financial Statements in the Form 10-K. The Committee shall, based on the review and discussions with Management and the Independent Registered Public Accounting Firm, and based on the disclosures received from the Independent Registered Public Accounting Firm regarding its independence and discussions with representatives of the firm regarding such independence, determine whether to recommend to the Board that the audited financial statements be included in the Company’s Form 10-K for the fiscal year subject to the audit.

C. *Quarterly Financial Statements.*

The Committee shall review and discuss the quarterly financial statements with Management and the Independent Registered Public Accounting Firm and the Company’s disclosures under “Management’s Discussion and Analysis of

Financial Condition and Results of Operations” to be included in the Company’s quarterly reports on Form 10-Q (“Form 10-Q”) before each Form 10-Q is filed.

D. *Internal Audit.*

1. Appointment. If the Company establishes an internal audit function or department, the Committee shall review and advise the Board on the selection, retention and compensation of the Internal Auditor.
2. Performance. Each year, the Committee shall review the activities and performance of the internal audit function (if any), including the results of any internal audits.
3. Separate Meetings with the Internal Auditor. The Committee shall periodically meet separately with the Internal Auditor (if any) to discuss (a) the internal audit plan, (b) the purpose, authority, organization, responsibilities, budget and staffing of the Company’s internal audit function and (c) any issues that the Internal Auditor believes warrant the Committee’s attention. In addition, the Committee shall discuss with the Internal Auditor any significant reports to Management prepared by the internal audit function and any responses from Management.

E. *Other Powers and Responsibilities.*

1. The Committee shall review with Management and the Independent Registered Public Accounting Firm the Company’s earnings press releases (paying particular attention to any use of “pro forma” or “adjusted” non-GAAP information), as well as financial information and earnings guidance provided to analysts and rating agencies. Such discussions may be in general terms (*i.e.*, discussion of the types of information to be disclosed and the types of presentations to be made).
2. The Committee shall (i) respond to any inquiries from the Company’s Independent Registered Public Accounting Firm regarding (A) the Committee’s understanding of the Company’s relationships and transactions with related parties that are significant to the Company; and (B) whether any member of the Committee has concerns regarding relationships or transactions with related parties and, if so, the substance of those concerns; and (ii) discuss with the Independent Registered Public Accounting Firm such firm’s evaluation of the Company’s identification of, accounting for, and disclosure of its relationships and transactions with related parties, including any significant matters arising from the audit regarding the Company’s relationships and transactions with related parties.

3. The Committee shall receive reports from Management regarding, and review and discuss the adequacy and effectiveness of, the Company's disclosure controls and procedures.
4. The Committee shall discuss with Management and the Independent Registered Public Accounting Firm any correspondence from or with regulators or governmental agencies, any employee complaints or any published reports that raise material issues regarding the Company's financial statements, financial reporting process, accounting policies or internal audit function (if such a function is established).
5. The Committee shall discuss with the Company's internal counsel or outside counsel any legal matters brought to Committee's attention that could reasonably be expected to have a material impact on the Company's financial statements.
6. The Committee shall request assurances from Management, the Independent Registered Public Accounting Firm and the Internal Auditor (if any) that any foreign subsidiaries and/or foreign affiliated entities, if any, are in conformity with applicable legal requirements, including disclosure of affiliated party transactions.
7. The Committee shall periodically meet separately with Management to discuss matters related to the Company's internal control over financial reporting and the Company's internal audit function (if such a function is established).
8. The Committee shall discuss with Management the Company's guidelines and policies with respect to risk assessment and risk management, as well as any significant exposure to financial risks, commodity price risks, political and regulatory risks, together with the actions Management has taken to monitor and manage such risks.
9. The Committee shall review and oversee the Company's cybersecurity risks and the steps that management has taken to protect against threats to the Company's information systems and security.
10. The Committee shall set clear hiring policies for employees or former employees of the Independent Registered Public Accounting Firm.
11. The Committee shall establish procedures for the receipt, retention and treatment of complaints received by the Company regarding accounting, internal accounting controls, or auditing matters. The Committee shall also establish procedures for the confidential and anonymous submission by employees of the Company of concerns regarding questionable accounting or auditing matters.

12. The Committee shall oversee compliance with applicable laws, rules and regulations and the Company's codes, policies and procedures, and shall establish procedures for the receipt, retention and treatment of complaints received by the Company regarding potential violations of such laws, rules, regulations, codes, policies or procedures. The Committee shall also establish procedures for the confidential and anonymous submission by employees of the Company of concerns regarding compliance matters.
13. The Committee shall prepare for inclusion in the Company's proxy statement for its annual meeting of stockholders the report required by the rules of the SEC and review the disclosure in the Company's proxy statement regarding the Committee.
14. In accordance with the Company's Related Person Transaction Policy, the Committee shall review the material facts of, and determine whether to approve, "Related Person Transactions" (within the meaning of such policy).
15. The Committee shall review annually the adequacy of the Company's accounting and financial personnel.
16. The Committee shall review disclosures by the Company's Chief Executive Officer and Chief Financial Officer during their certification process for the Company's Forms 10-K and 10-Q regarding any material weaknesses or significant deficiencies in the design or operation of the Company's internal control over financial reporting.
17. The Committee shall review the monitoring of the Company's compliance programs and Code of Business Conduct and Ethics by the Company's compliance officer and other members of the Company's management ("Management"), including a regular report of any violations and waivers of the Code of Business Conduct and Ethics prepared by Management and delivered to the Committee.
18. Each year, the Committee shall review actual and potential conflicts of interest, including potential taking of "corporate opportunities" by insiders, Board members, and corporate officers, other than related party transactions reviewed by the audit committee of the Board, and approve or prohibit any involvement of such persons in matters that may involve a conflict of interest or the taking of a corporate opportunity.
19. The Committee shall review, oversee, and monitor the Company's whistleblower policy and compliance programs instituted thereunder.

V. Procedures

- A. **Meetings.** The Committee shall meet at the call of its Chair, two or more members of the Committee or the Chairman of the Board. The Committee shall meet on at least a

quarterly basis (prior to the filing of the Company's Form 10-K or Form 10-Qs with the SEC) and may meet more frequently as the Committee or its Chair deems necessary or appropriate. The Committee Chair will lead all regular sessions of the Committee and set the agenda for Committee meetings. Meetings of the Committee may be in person, by conference call, or by video conference link, in each case in accordance with the Company's Bylaws. Meetings of the Committee shall be held at such time and place, and upon such notice, as the Committee Chair may from time to time determine.

Meetings may, at the discretion of the Committee, include non-Independent Directors, members of Management, other Company employees, independent advisors and consultants, representatives of the Independent Registered Public Accounting Firm, the Internal Auditor (if any), any other financial personnel employed or retained by the Company or any other persons whose presence the Committee believes to be necessary or appropriate. Those in attendance may observe meetings of the Committee but shall not participate in any discussion or

deliberation unless invited to do so by the Committee Chair, and in any event shall not be entitled to vote. Notwithstanding the foregoing, the Committee may also exclude from its meetings any persons it deems appropriate, including, but not limited to, any director that is not a member of the Committee.

- B. ***Quorum and Approval.*** A majority of the Committee's members shall constitute a quorum. The Committee shall act on the affirmative vote of a majority of members present at a meeting at which a quorum is present. The Committee may also act by unanimous written consent in lieu of a meeting.
- C. ***Rules.*** The Committee may determine additional rules and procedures, including designation of a Chair pro tempore in the absence of its Chair and designation of a secretary of the Committee at any meeting thereof.
- D. ***Reports.*** The Committee shall maintain minutes of its meetings and make regular oral or written reports to the Board, directly or through the Committee Chair, of its actions and any recommendations to the Board. These reports will include a discussion of any issues that arise with respect to the quality or integrity of the Company's financial statements, the Company's compliance with legal or regulatory requirements, the performance and independence of the Company's Independent Registered Public Accounting Firm, the performance of the Company's internal audit function (if any) or any other matter the Committee determines is necessary or advisable to report to the Board.
- E. ***Review of Charter.*** Each year, the Committee shall review the need for changes in this Charter and recommend any proposed changes to the Board for approval.
- F. ***Self-Evaluation.*** Each year, the Committee shall review and evaluate its own functioning and performance and shall submit itself to a review and evaluation by the Board.
- G. ***Fees; Reimbursement of Expenses.*** Each member of the Committee, including the Chair, may be paid a fee set by the Board for his or her services as a member or Chair, as the case may be, of the Committee. Subject to the Company's Corporate Governance Guidelines and other policies, Committee members, including the Chair, will be reimbursed by the Company for all reasonable expenses incurred in connection with their duties as Committee members.

VI. Posting Requirement

The Company shall post this Charter on the Company's website as required by applicable rules and regulations. In addition, the Company shall disclose in its proxy statement for its annual meeting of stockholders, in its Form 10-K, or otherwise in accordance with applicable rules and regulations, as applicable, that a copy of this Charter is available on the Company's website and provide the website address.

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While the Committee members have the duties and responsibilities set forth in this Charter, nothing contained in this Charter is intended to create, or should be construed as creating, any responsibility or liability of the Committee members, except to the extent otherwise provided under applicable federal or state law. Further, nothing in this Charter is intended to preclude or impair the protection provided in Section 141(e) of the Delaware General Corporation Law for good faith reliance by Committee members on reports or other information provided by others.