

## Utility AI Compliance & Oversight Engineer, ESP Activity

**Position Title:** Consultant, Utility AI Compliance & Oversight Engineer

**Location:** ESP Activity Philippine Office

### Overview

Energy Secure Philippines (ESP) is a multi-year program funded by the US Department of State. It aims to assist the Government of the Philippines (GPH) in promoting a more competitive power sector through investment mobilization, deployment of modern energy technologies, and support in policy reforms and regulation. Implemented by RTI International, ESP's overall goal is to enhance energy security and reliability in the Philippines. It focuses on advancing inclusive economic growth and resilient development through increased private investment, promoting advanced technology deployment, and boosting the energy sector's resiliency.

On January 20, 2025, the US Government issued Executive Order 14169 designed to revisit and realign the country's foreign assistance. Viewed through this lens, the America First policy frames U.S aid primarily as a tool to advance direct American interests and emphasizes strict alignment of assistance with U.S. national security, economic, and strategic priorities; a preference for measurable returns that make America safer, stronger, or more prosperous. Under this approach, foreign assistance is scrutinized for cost-effectiveness and political alignment, often favoring trade, investment, private-sector solutions, and cost-sharing, while reducing or restructuring programs seen as inefficient, dependency-creating, or insufficiently tied to U.S. interests.

### Scope of Work

The Consultant will work under the direction and supervision of the Chief of Party and Integrated Grid and Supply Chain Management Lead, work closely with other consultants and/or subcontractors, RTI's regional and home office project management unit.

The Consultant will serve as the bridge between RTI's internal research leads and a contracted technical team, including Cloud Engineers, Synthetic Data Specialists, and Data Analysts. The Project Oversight Engineer ensures that all deliverables respect physical grid constraints (e.g., Kirchhoff's laws) and meet utility-grade cybersecurity standards.

### Key Responsibilities

The Consultant's key responsibilities are as follows:

- **Technical Governance:** Serve as the primary technical liaison for subcontracted teams, ensuring work such as graph construction and topology ingestion aligns with directives from RTI's AI Research Lead and Lead Data Scientist.
- **Milestone Management:** Drive successful delivery of four major milestones (Months 3, 6, and 9), including the Working Data Architecture, Cybersecurity Safeguards, and Operational Simulation Framework.

- **Contract Oversight:** Manage the Man-Month (Time & Materials) framework, monitoring Level of Effort (LOE) across roles. Execute RTI's "Work Volume Flexibility" rights—pausing, extending, or shifting timelines due to external data delays (e.g., IEMOP or TransCo)—with at least 7 days' written notice and no standby retainers during inactive periods.
- **Data Strategy:** Oversee ingestion of archived SCADA, outage, and IEMOP data. Ensure proper time-alignment and engineering unit conversions for model design.
- **Infrastructure Control:** Verify AWS environment maintenance (VPC hardening, KMS/Secrets Manager) within agreed bid price, ensuring cloud subscription costs remain vendor absorbed.

### **Level of Effort:**

Anticipated level of effort is up to 90 LOEs for the period of performance. The Contractor is expected to be flexible and sustain collaboration with ESP Activity during this time.

### **Period of Performance:**

June 22, 2026, to April 15, 2027

### **Minimum Required Education & Experience**

- **Power Systems Expertise:** Deep knowledge of power flow file formats (e.g., PSS/E topology), network topologies, and the physics of national transmission grids.
- **Project Management:** Proven experience managing technical personnel under Man-Month / Time & Materials frameworks, with ability to coordinate staggered deployment schedules.

### **Application Deadline**

All applications are due by June 12, 2026, at 5:00 PM Philippine Standard Time.