

E2F – Implementation of an Energy Management Information System

Canonical: <https://northmoregordon.com/grants-and-programs/singapore-e2f-energy-management/>

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Funding program archive

This page preserves a dated funding-program record and links it to current project-planning guidance.

Publication date: the source publication date.

Status note: This archive does not confirm that applications are open, funds remain available or the earlier eligibility and co-funding settings still apply. Verify the current administrator page and guidelines.

What this article reported

The purpose is to encourage companies to put in place an EMIS which would enable them to effectively manage energy use in a structured manner to achieve efficiency improvements. NG has experience in implementing metering, monitoring and information management systems, and has written Industry Guides for government on how to establish such systems.

Purpose

To encourage manufacturing companies, including SMEs, to invest in energy efficient equipment or technologies.

Key eligibility criteria

The applicant must be a Singapore-registered owner or operator of an existing or proposed industrial facility that is or will be sited in Singapore.

Technologies supported

The proposed energy efficiency project must meet the following criteria:

The project must involve installation and use of energy efficient equipment or technologies with a proven track record of energy savings Electricity or gas savings or both. in an industrial facility.

The project must result in measurable and verifiable energy savings (see requirements on measurement and verification below).

The project must not have commenced before the application is approved.

The project shall be completed within 36 months from the approval of grant.

Projects that reduce cost, but do not demonstrate measurable and verifiable energy savings are not eligible.

Funding amount

Up to 50% of qualifying costs, capped at

\$250,000 per energy-intensive facility (i.e. consuming more than 54TJ of energy annually and registrable under the Energy Conservation Act); and

\$125,000 for other facilities.

Project Scope

The EMIS implemented should cover all major energy consuming systems in the facility. Otherwise, the applicant shall provide justifications for the proposed scope.

Project features should include

Tracking and Monitoring

Track energy performance based on suitable performance indicators e.g. (kWh/ton production, kW/CMH) and relevant variables (e.g. temperature, pressure)

Include data analysis functions (e.g. regression analysis) to identify performance gaps and opportunities

Set appropriate targets

Reporting & Alerts

Customised reporting to different user levels

Highlight inefficient performance in a timely manner, and generate alerts to prompt users to take rectification action

Qualifying Costs

Equipment and materials;

Professional services; and

Software and IT services

Singapore GST is excluded.

How to use this information now

Before relying on a grant, confirm the current round, applicant and project eligibility, eligible expenditure, co-contribution, assessment process, closing date and evidence obligations. Build the technical case so the project remains understandable with grant support shown separately.

Separate source-reported facts from forecasts, targets and commentary. For a current project, retain the official source, version, effective date, assumptions and decision record in the evidence file.

Related guidance

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What is the E2F grant programme for?

E2F (Implementation of an Energy Management Information System) encourages companies in Singapore to invest in energy management infrastructure and efficient equipment. The programme supports installation of Energy Management Information Systems (EMIS) that enable structured energy management, and manufacturing companies including SMEs to invest in energy efficient equipment or technologies. By combining monitoring capability with capital investment, E2F helps facilities achieve measurable efficiency improvements while building the management systems needed to sustain them.

Who is eligible to apply for the E2F grant?

The applicant must be a Singapore-registered owner or operator of an existing or proposed industrial facility sited in Singapore. Eligibility extends to both energy-intensive facilities (consuming more than 54 TJ annually and subject to registration under the Energy Conservation Act) and other industrial facilities. The funding cap differs by category: \$250,000 for energy-intensive facilities and \$125,000 for others. Applicants should confirm their facility's registration status and energy-use history with the National Environment Agency before application.

What criteria must an E2F project meet to qualify?

The project must involve installation of energy efficient equipment or technologies with a proven track record of energy savings, must result in measurable and verifiable energy savings, must not have commenced before application approval, and must be completed within 36 months from grant approval. Cost-reduction measures alone do not qualify unless they demonstrate measurable and verifiable energy savings. This requirement emphasises the importance of planning measurement and establishing a credible baseline before implementation begins.

What should an Energy Management Information System cover under E2F?

The EMIS should cover all major energy consuming systems in the facility. Required features include tracking and monitoring based on suitable performance indicators (such as kWh/ton production or kW/CMH), relevant variables like temperature and pressure, data analysis functions including regression analysis to identify performance gaps, target-setting capability, customised reporting for different user levels, and timely alerts highlighting inefficient performance. If a facility cannot cover all major systems, applicants must provide detailed justifications. We have experience implementing metering, monitoring and information management systems aligned with these requirements.

What are the key differences between energy-intensive and other facilities for E2F purposes?

Energy-intensive facilities consume more than 54 TJ annually and are registrable under Singapore's Energy Conservation Act, administered by the National Environment Agency (NEA). These facilities face mandatory obligations including appointing an energy manager, annual energy-use reporting, and energy-efficiency improvement planning. E2F funding recognises this higher regulatory burden by capping support at \$250,000 compared to \$125,000 for other facilities. The 54 TJ threshold is determined by energy use in at least two of the preceding three calendar years.

What costs qualify for E2F funding?

Qualifying costs include equipment and materials, professional services, and software and IT services. Singapore GST is excluded from the calculation. Funding is provided up to 50% of qualifying costs, subject to the facility category cap. When preparing an application, clearly distinguish eligible project costs from ineligible expenses, and ensure professional service costs (such as EMIS design and installation support) are documented with scope and provider credentials. This structured cost breakdown supports both application assessment and project delivery.

What is the timeline for E2F project completion?

Projects must be completed within 36 months from grant approval. This timeframe encompasses EMIS implementation, equipment installation, commissioning, and baseline establishment. Early planning of

the project schedule is critical: measurement and baseline data collection must occur before equipment changes to establish the pre-project energy profile needed for verification. Applicants should identify any dependencies, procurement lead times, or operational constraints that might affect the delivery timeline and plan accordingly.

How does the E2F grant align with Singapore's mandatory energy-management obligations?

The Energy Conservation Act, administered by NEA, requires energy-intensive facilities (those using 54 TJ+ annually) to register, appoint an energy manager, submit annual energy-use reports, and develop energy-efficiency improvement plans. E2F directly supports these obligations by funding the EMIS infrastructure needed to track energy use systematically, meet reporting requirements, and identify improvement opportunities. For facilities already subject to these mandatory requirements, E2F provides financial support to implement the structured management systems the law requires, turning compliance costs into capability investment.

What measurement and verification considerations should applicants prepare for E2F?

E2F requires measurable and verifiable energy savings, so applicants must plan measurement before implementation. Key steps include establishing a credible baseline using energy data from the preceding period, defining the project boundary and energy streams affected, identifying relevant operating variables (production, weather, utilisation) that influence consumption, and specifying how savings will be calculated post-implementation. This measurement planning must occur before equipment is procured to ensure data collection systems are in place. We can advise on measurement strategy and baseline establishment aligned with E2F requirements.

How can Northmore Gordon assist with an E2F application?

We have experience implementing metering, monitoring and information management systems, and has written industry guides on establishing such systems. The company can assist by conducting an energy audit to identify efficient equipment opportunities, helping design an EMIS appropriate to the facility's major energy systems, establishing measurement plans and baselines for credible savings verification, and supporting the technical aspects of project specification and evidence preparation. For facilities subject to NEA obligations, we can also help confirm registration status and alignment with mandatory energy-management requirements.