

E2F – Energy Assessment of existing facilities

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

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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 in the industrial sector to carry out energy assessments for their existing facilities to identify potential areas for energy efficiency improvement.

NG is an Accredited ESCO that can assist with this grant.

Purpose

Encourages companies in the industrial sector* to carry out energy assessments for their existing facilities to identify potential areas for energy efficiency improvement.

Eligibility criteria

The owner or operator of the manufacturing facility must be registered in Singapore.

The industrial facility for which the energy assessment is being carried out must be located in Singapore.

Energy audits of relevant business activities of registered corporations under the Energy Conservation Act are not eligible for application from 1 Jan 2020.

The capabilities of the selected Consultants** should be thoroughly assessed to ensure that they match the needs and requirements of your facility.

Companies must have conducted a preliminary energy assessment at the time of application.

The detailed energy assessment must not have commenced at the time of application. The company must not have signed a contract with the Consultant for the detailed energy assessment at the time of application.

The detailed energy assessment should cover the whole plant or facility. Manufacturing equipment and processes may be excluded from the assessment. For large facilities, a partial assessment covering a complete system or part of the facility may be considered. Besides energy assessments, process plants can also carry out long-term monitoring of individual system components and overall systems to identify efficiency degradation. This is known as Energy Performance Monitoring. Such projects are also eligible for funding under E2F. Appointed Consultant can either be:

a) an external company, foreign or local, and accredited under the Energy Services Company (ESCO) Accreditation Scheme; or

b) qualified internal assessment teams with good track record in carrying out energy assessments of a comparable scale and scope. Such teams must provide evidence of substantial experience in carrying out energy assessments of the scale and scope intended.

Funding Amount

Up to 50% of the qualifying costs, capped at \$200,000 over a 5-year period for any single facility.

Qualifying Costs

Energy assessment fees comprising

Consultancy fees of Consultant, i.e. manpower, overheads and expendables; and

Use of instrumentation and evaluation tools.

Singapore GST is excluded.

The cost of implementing the recommendations of the energy assessment is not supported under this component of E2F.

What's Included

Virtual Energy Manager customers benefit from Northmore Gordon's specialist consultancy services for a fixed annual fee including the following as standard:

Preliminary assessment report

Review project

Assess eligibility

Complete Preliminary Assessment Report

Complete application form for NEA

Detailed proposal and application form

Proposal for the required scope of works

Supports the application form

Energy efficiency assessment

Energy balance

Sub-metering

Energy efficiency opportunity assessment

Detailed business cases

Ideas-generation workshop

Final Business cases for opportunities

Calculate savings

Reporting for government

Report for client and NEA

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.

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What is the purpose of the E2F Energy Assessment grant in Singapore?

The E2F (Energy Efficiency Fund) grant encourages companies in the industrial sector to carry out energy assessments for their existing facilities in order to identify potential areas for energy efficiency improvement. A preliminary assessment must be completed before applying for detailed assessment funding. The grant recognizes that many industrial facilities lack sufficient visibility into their energy consumption patterns and efficiency opportunities, which an independent professional assessment can clarify.

How much funding does the E2F Energy Assessment grant provide?

The E2F grant provides funding of up to 50% of qualifying costs, capped at \$200,000 over a 5-year period for any single facility. This means qualifying assessment costs of up to \$400,000 per facility would be eligible, with the grant covering half. The cap applies across multiple assessments within the same facility over the 5-year window, so timing and scope of assessments should be coordinated to maximize the available allocation.

What costs qualify for funding under the E2F Energy Assessment grant?

Qualifying costs are energy assessment fees comprising consultant manpower, overheads and expendables, plus instrumentation and evaluation tools used during the assessment. Singapore GST is excluded from the grant calculation. Implementation costs arising from the assessment recommendations are not supported under this component of E2F. Long-term energy performance monitoring to identify efficiency degradation in individual systems is also eligible, provided it is part of the contracted assessment scope.

Who is eligible to apply for the E2F Energy Assessment grant in Singapore?

The owner or operator of the manufacturing facility must be registered in Singapore, and the industrial facility must be located in Singapore. Notably, energy audits of business activities covered under the Energy Conservation Act are not eligible for E2F application from 1 January 2020 onwards. Applicants should verify their facility's registration status with the National Environment Agency and confirm their industrial activity classification before proceeding with an application.

What conditions must be met regarding timing of the energy assessment for E2F eligibility?

Companies must have completed a preliminary energy assessment before applying for E2F support. Critically, the detailed assessment must not have commenced and no contract must have been signed with a consultant for the detailed assessment at the time of application. This timing requirement preserves the grant's purpose of funding genuine new assessments. Starting detailed work or signing contracts before E2F approval will disqualify the project from funding.

Who can serve as a Consultant for an E2F energy assessment?

The appointed Consultant can be either an external company (foreign or local) accredited under Singapore's Energy Services Company (ESCO) Accreditation Scheme, or a qualified internal assessment team with substantial documented experience in comparable energy assessments. We are accredited as an ESCO and can serve as an external consultant. The consultant choice affects both assessment quality and NEA compliance, so selecting an appropriately experienced firm is essential.

What scope should the detailed energy assessment cover under E2F?

The detailed assessment should ideally cover the whole plant or facility, though manufacturing equipment and processes may be excluded from the scope. For large facilities where a complete assessment is impractical, a partial assessment covering a complete system or major facility subsection may be considered. Energy performance monitoring of individual system components to track efficiency degradation over time is also eligible. The assessment boundary should be agreed during the preliminary assessment phase to set realistic scope and cost.

How does Northmore Gordon assist companies preparing for E2F Energy Assessment funding?

Northmore Gordon, as an accredited ESCO, can prepare the preliminary assessment required before E2F application, develop the detailed proposal and application documentation, conduct the detailed energy assessment (including energy balance analysis, sub-metering, opportunity identification, and business case development), and produce final reporting for both the client and NEA. This end-to-end support helps companies navigate the grant process and ensure their assessment meets NEA requirements for funding approval.

What is Energy Performance Monitoring and how does it relate to E2F eligibility?

Energy Performance Monitoring involves long-term measurement of individual system components and overall facility systems to identify efficiency degradation over time. Such monitoring projects are eligible for E2F funding alongside or as part of standard energy assessments. This recognizes that sustained performance tracking is valuable for validating efficiency gains and supporting ongoing improvement decisions. Including a monitoring scope in the assessment proposal can strengthen the overall business case for improvements identified.

What should a company do if its facility is covered by the Energy Conservation Act?

Companies whose facilities fall under Singapore's Energy Conservation Act energy-use thresholds or business activity categories cannot apply for E2F Energy Assessment funding from 1 January 2020 onwards. Instead, they must comply with mandatory energy management obligations including registered energy assessments and reporting requirements administered by the National Environment Agency. We can help such facilities meet those mandatory obligations and identify efficiency opportunities through required assessment processes, separate from E2F.