



m-Objects™

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The National Greenhouse and Energy Reporting (NGER) Act

The National Greenhouse and Energy Reporting (NGER) Act 2009 took effect on 1 July 2008. The NGER Act seeks to provide a national framework for the reporting of greenhouse gas emissions, abatement actions, energy consumption and production by corporations.

- From 1 July 2008, corporations are required to register and report for 2008-2009 financial year where the following thresholds apply:
 - ✚ They control a facility that emits 25 kilotonnes (kT) or more of greenhouse gases (CO₂ equivalent), or produces or consumes 100 Terajoules (TJ) or more of energy.
 - ✚ Their corporate group emits 125kT or more greenhouse gases (CO₂ equivalent) or produces or consumes 500TJ (0.5 PJ) or more of energy.
- From 1 July 2009, corporations are required to register and report for 2009-2010 financial year where the following thresholds apply:
 - ✚ They control a facility that emits 25 kilotonnes (kT) or more of greenhouse gases (CO₂ equivalent), or produces or consumes 100 Terajoules (TJ) or more of energy.
 - ✚ Their corporate group emits 87.5kT or more greenhouse gases (CO₂ equivalent) or produces or consumes 350TJ (0.35 PJ) or more of energy.
- From 1 July 2010, corporations are required to register and report for 2010-2011 financial year where the following thresholds apply:
 - ✚ They control a facility that emits 25 kilotonnes (kT) or more of greenhouse gases (CO₂ equivalent), or produces or consumes 100 Terajoules (TJ) or more of energy.
 - ✚ Their corporate group emits 50kT or more greenhouse gases (CO₂ equivalent) or produces or consumes 200TJ (0.2 PJ) or more of energy.

How can we help with Energy Efficiency Opportunities (EEO)

A corporate emitting 125kT of CO₂ or consuming 500TJ of energy has an approximate electricity cost of A\$ 6 to 12 million. We can help by showing you how to maximize the benefits of participating in Energy Efficiency Opportunities (EEO) as per the NGER act, while minimizing the total cost. We have a good understanding of EEO program and its requirements. We will help identify efficiency opportunities, equip the organization with knowledge and skills and build systems and practices that can help the organization at achieving energy savings on a continuous basis. We provide:

- EEO Structure – Leadership, people and communication
 - Develop policies
 - Build skills and capacity
 - Workshop and Training
- Information and Data analysis
 - EEO Information collection
 - EEO Data analysis
 - Carbon footprint & energy consumption pattern
 - Process measurement
 - Energy management and improvement
 - Develop resources, energy reporting and assessments tools
- Identify & Evaluate the EEO
 - Identify EEO
 - Process change & Improvements
 - Develop Business plans for EEO
 - EEO business plan payback period

- EEO Verification
- EEO Project planning and tracking
- EEO Government Assistance (Grants)
- EEO Best practices
- Energy efficiency framework
- Value creation with regards carbon cost
- Energy saving audits
- "As Is" Carbon Risk framework
- Enter EEO Data into OSCAR database

Energy Efficiency Opportunities (EEO) IT Services

m-Objects is a Microsoft Partner, Intel Software Partner and Sun Partner. We specialize in Energy Efficiency Opportunities (EEO) IT Services listed below:

- Shared data
 - Increase visibility and improve collaboration across your organization with the ability to publish Environmental Sustainability Dashboard reports to any employee's Role Centre using Microsoft SharePoint Web parts.
 - Motivate employees to act by increasing awareness of your organization's environmental impact, their role in reduction efforts, and how they can help.
 - Access the Environmental Sustainability Dashboard using Enterprise Portal in Microsoft Dynamics AX.
- Custom configurations and reporting
 - Customize the dashboard to include information relevant to your organization, such as specific vendors, energy conservation programs, or conservation goals.
 - Track direct and indirect energy consumption by month; identify specific contributing factors; and view the energy costs of each, such as electricity and fuel oil or heating costs.
- Greenhouse gas inventory
 - Create and track your own greenhouse gas inventory to understand your environmental impact and how that might affect your business in a carbon market.
 - Capture data consistently over time that is auditable, and reduce your risk of exposure to potential regulations, taxation, or increases in energy costs.
 - View the carbon dioxide equivalent of your emissions-the dashboard automatically calculates the carbon dioxide conversions and presents the information in an easy-to-read graph.
- Tracking of Environmental Performance Indicators
 - Automatically track the four core GRI Environmental Performance Indicators for energy consumption and greenhouse gas emissions, including:
 - ✚ EN3-Direct energy consumption that is generated onsite, such as heat and power.
 - ✚ EN4-Indirect energy consumption that is generated from another location, such as a utility.
 - ✚ EN16-Your total direct and indirect greenhouse gas emissions, which combines EN3 and EN4 and converts them into carbon dioxide equivalents.
 - ✚ EN17-Other relevant indirect greenhouse gas emissions, such as those generated from business travel, employee commuting, and waste disposal
- Integration with Microsoft SQL Server Reporting Services
 - Capture environmental sustainability data in everyday business processes by viewing data immediately and tracking it over time using the dashboard, which is powered by SQL Server Reporting Services.
 - View detailed, integrated data, such as the quantity of energy purchased from a vendor, the associated costs, and the dates of the service period

Contact m-Objects

Contact us today for more information on the range of services and solutions provided by m-Objects. We provide a free on-the-spot consultation.

Aditya Bates

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