

Table C: Calculation methodology, monitoring and audit

| Individual Measure Reference No. | Short Description | Calculation Methodology | Monitoring & Verification Protocols | Audit |
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| Sector: Obligation on Enemalta Corporation | | | | |
| EMC-1a | To instruct consumers in wise energy use in the home through appropriate messages (both general and specific) via smart meters. Smart meters will also detect fraud and hence control excessive use of energy which usually accompanies fraud. | <p>The smart meter system is assumed to save 5% of household electricity consumption for two years (reference 'Benchmarking the Smart Metering deployment in the EU 27 - with a focus on Electricity'). Only domestic consumption is taken into account for the purposes of this measure.</p> <p>It is assumed that a portion of the non-technical losses in the distribution of electricity are the fraud. It is further assumed that 20% of this will be saved once theft is controlled and supply metered and paid for. Over the last three years, Enemalta's losses averaged 10.38%, of which 4.13% are technical losses.</p> <p>These figures are obtained from audited Enemalta accounts while the technical losses are drawn from an Enemalta study validated by Electricite' de France.</p> | <p>The Ministry for Energy and the Conservation of Water will be setting up a team including representatives of relevant authorities and entities (e.g. Institute for Sustainable Energy of the University, Malta Intelligent Energy Management Agency), with the National Statistics Office having a leading role, to bring together existing energy studies and statistics, conduct studies and build consumption and other models to observe trends and measure changes in consumer behavior including response to various initiatives. It is intended that the initiatives reported here will be subject to particular attention by the Ministry's team, as they have a useful element of research. Indeed Malta's size renders it suitable to serve as a laboratory for such research for such.</p> <p>This team will, amongst others, measure the response to monitor the progress and the benefits derived from various schemes and undertake research, independently of the implementing entities and will be able to advise on the way forward. The team will draw up monitoring, reporting and verification protocols specific to each scheme or project.</p> | <p>Enemalta Corporation's accounts are audited annually. The Corporation is also subject to the National Audit Office (NAO). The Regulator is the Malta Resources Authority.</p> <p>The team referred to under "Monitoring & Verification Protocols" will provide technical support to the NAO or other as required.</p> |
| EMC-1b | To use the smart meter innovatively as a tool to overcome consumer complacency towards energy efficiency in the long term | Imaginative use of the Smart Meter – (e.g. by active involvement of children through the education system) is assumed to prolong the impact – albeit by only 20% of the initial impact – for the following years. Electricity consumption is obtained from Enemalta (via Arms Ltd), is audited annually by reputable auditors. | as for EMC-1a | as for EMC-1a |
| EMC-2 | The Progressiveness of the Domestic Residential Household Tariff System | Derived from an economic study by external consultants - 'An Assessment of the Effects of Selected Energy Efficiency Measures - The Progressiveness of the Residential Household tariff System (including the effect of the eco-reduction)' by E Cubed Consultants Ltd. - based on consumption patterns in the domestic sector and applicable elasticity of demand. The consumption patterns are obtained from metered supplies and from 'number of persons in household', while elasticities are validated by figures in the literature. | The study referred to will be updated annually with new data as it becomes available. | as for EMC-1a |
| EMC-3 | The Incentive towards Energy Efficiency in the Tariff Structure (Eco-reduction) | as for EMC-2 | as for EMC-2 | as for EMC-1a |
| Sector: Public Services | | | | |
| P-1 | Street Lighting Retrofitting (Gozo) | <p>The calculation methodology was based on actual data of the streetlighting load as in June 2013 supplied by Enemalta, technical specifications of typical LEDs and lighting practices by Transport Malta. The savings in energy through the replacement of the present lighting luminaries by LEDs was calculated from these datasets.</p> <p>Source of information: Operational Program 1 Axis IV European regional Development Funds 2007-2013 Application</p> | The Ministry for Energy and Conservation of Water | Government accounts/budget is subject to auditing by the NAO. As for paragraph 2 of EMC-1a above. |
| P-2 | Street Lighting Retrofitting (All Malta) | <p>The calculation methodology was based on actual data of the streetlighting load as in June 2013 supplied by Enemalta, technical specifications of typical LEDs and lighting practices by Transport Malta. The savings in energy through the replacement of the present lighting luminaries by LEDs was calculated from these datasets.</p> <p>Sources of information: 1.) CBA For RetroFitting Road and Street lighting by Smart Lighting. By David Spiteri Gingell 2.) Draft version of ANNEX II - Preliminary list of harmonised average lifetimes of energy efficiency improvement measures and programmes for bottom-up calculations</p> | The Ministry for Energy and Conservation of Water and Transport Malta | as for P-1 |
| Sector: Public Buildings | | | | |
| PB-1 | Retrofitting of Energy Efficient Measures in Public Schools | <p>Known amount of savings per Annum once retrofitting is completed is 192,128kWh.</p> <p>Sources of information: 1.) Operational Program 1 Axis IV European Regional Development Funds 2007-2013 Application 2.) Draft version of ANNEX II - Preliminary list of harmonised average lifetimes of energy efficiency improvement measures and programmes for bottom-up calculations</p> | as for EMC-1a | <p>Government accounts/budget is subject to auditing by the NAO and the Managing Authority.</p> <p>The team referred to under "Monitoring & Verification Protocols" will provide technical support to the NAO or other as required.</p> |
| PB-2 | Retrofitting of Energy Efficient Measures at St. Vincent De Paul – Rehabilitation Centre & Old Peoples' Home | <p>Known amount of savings per Annum once retrofitting is completed is 7,935,000kWh</p> <p>Sources of information: 1.) Operational Program 1 Axis IV European Regional Development Funds 2007-2013 Application 2.) Draft version of ANNEX II - Preliminary list of harmonised average lifetimes of energy efficiency improvement measures and programmes for bottom-up calculations</p> | as for EMC-1a | <p>Government accounts/budget is subject to auditing by the NAO and the Managing Authority.</p> <p>The team referred to under "Monitoring & Verification Protocols" will provide technical support to the NAO or other as required.</p> |

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| PB-3 | Retrofitting of Energy Efficient Measures at Armed Forces of Malta Barracks | Known amount of savings per Annum once retrofitting is completed is 302,963kWh. Sources of information: 1.) Energy audit conducted <i>in-situ</i> by Baran & Camilleri (2013). 2.) Draft version of ANNEX II - Preliminary list of harmonised average lifetimes of energy efficiency improvement measures and programmes for bottom-up calculations | as for EMC-1a | Government accounts/budget is subject to auditing by the NAO and the Managing Authority. The team referred to under "Monitoring & Verification Protocols" will provide technical support to the NAO or other as required. |
| PB-4 | Retrofitting of Energy Efficient Measures at Civil Abattoir | Known amount of savings per Annum once retrofitting is completed is 23,792kWh. Sources of information: 1.) Energy audit conducted in-situ by Baran & Camilleri (2013). 2.) Draft version of ANNEX II - Preliminary list of harmonised average lifetimes of energy efficiency improvement measures and programmes for bottom-up calculations | as for EMC-1a | Government accounts/budget is subject to auditing by the NAO and the Managing Authority. The team referred to under "Monitoring & Verification Protocols" will provide technical support to the NAO or other as required. |
| PB-5 | Retrofitting of Energy Efficient Measures at Auberge D'Aragon | Known amount of savings per Annum once retrofitting is completed is 2,373kWh. Sources of information: 1.) Energy audit conducted in-situ by Baran & Camilleri (2013). 2.) Draft version of ANNEX II - Preliminary list of harmonised average lifetimes of energy efficiency improvement measures and programmes for bottom-up calculations | as for EMC-1a | Government accounts/budget is subject to auditing by the NAO and the Managing Authority. The team referred to under "Monitoring & Verification Protocols" will provide technical support to the NAO or other as required. |
| PB-6 | Retrofitting of Energy Efficient Measures at Malta Police Force Buildings | Known amount of savings per Annum once retrofitting is completed is 117,775kWh. Sources of information: 1.) Energy audit conducted in-situ by Baran & Camilleri (2013). 2.) Draft version of ANNEX II - Preliminary list of harmonised average lifetimes of energy efficiency improvement measures and programmes for bottom-up calculations | as for EMC-1a | Government accounts/budget is subject to auditing by the NAO and the Managing Authority. The team referred to under "Monitoring & Verification Protocols" will provide technical support to the NAO or other as required. |
| PB-7 | Retrofitting of Energy Efficient Measures at Project House, Blocks A and B | Known amount of savings per Annum once retrofitting is completed is 51,253kWh. Sources of information: 1.) Energy audit conducted in-situ by Baran & Camilleri (2013). 2.) Draft version of ANNEX II - Preliminary list of harmonised average lifetimes of energy efficiency improvement measures and programmes for bottom-up calculations | as for EMC-1a | Government accounts/budget is subject to auditing by the NAO and the Managing Authority. The team referred to under "Monitoring & Verification Protocols" will provide technical support to the NAO or other as required. |
| PB-8 | Installation of Cogeneration Plant at Gozo General Hospital | Comparison between savings from CHP providing 1358536 kWh _e and 1358537 kWh _{th} to amount of conventional energy used. Calculations based on a 200kW _e at 5000 hours annually. A CBA was performed by external consultants, E Cubed Consultants Ltd. | Guarantees of origin (GoO) certification to be enforced by MRA | Government accounts/budget is subject to auditing by the NAO and the Managing Authority. The team referred to under "Monitoring & Verification Protocols" will provide technical support to the NAO or other as required. |
| PB-9 | Installation of Cogeneration Plant at a Hospital with High Heat-to-power Ratio | The potential case identified is Mount Carmel Hospital. Comparison between savings from CHP providing 483480 kWh _e and 701660 kWh _{th} to amount of conventional energy used. Power to Heat ratio for Gasoil CI Engine taken from MRA Analysis for Cogeneration Potential (2009). Unit availability 95% of the year. Sources of information: 1.) Operational Program 1 Axis 4 European Regional Development Funds 2007-2013 Application 2.) Technical staff at the Ministry for Health | Guarantees of origin (GoO) certification to be enforced by MRA | Government accounts/budget is subject to auditing by the NAO and the Managing Authority. The team referred to under "Monitoring & Verification Protocols" will provide technical support to the NAO or other as required. |

Sector: Government-Owned Industries

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| WSC-1 | Reduction of Power Requirements in the Transfer and Distribution of Water through Various Pipelines | Engineering design estimates by WSC Experts | WSC will be required to report to the line Ministry, which will review and monitor at its discretion | The team referred to under "Monitoring & Verification Protocols" will provide technical support to the NAO or other as required. WSC, as a public entity, publishes annual audited accounts. |
| WSC-2 | Reduction of Power Requirements through the Use of Variable Speed Drives for Groundwater Abstraction Pumps | Engineering design estimates by WSC Experts | WSC will be required to report to the line Ministry, which will review and monitor at its discretion | The team referred to under "Monitoring & Verification Protocols" will provide technical support to the NAO or other as required. WSC, as a public entity, publishes annual audited accounts. |
| WSC-3 | Upgrading of RO High Pressure Pumps and Energy Recovery Systems | Engineering design estimates by WSC Experts | WSC will be required to report to the line Ministry, which will review and monitor at its discretion | The team referred to under "Monitoring & Verification Protocols" will provide technical support to the NAO or other as required. WSC, as a public entity, publishes annual audited accounts. |
| WSC-4 | Reduction of Power Requirements through Replacement of RO Auxiliary Pumps | Engineering design estimates by WSC Experts | WSC will be required to report to the line Ministry, which will review and monitor at its discretion | The team referred to under "Monitoring & Verification Protocols" will provide technical support to the NAO or other as required. WSC, as a public entity, publishes annual audited accounts. |
| WSC-5 | Replacing Desalinated RO Water by Groundwater | Engineering design estimates by WSC Experts | WSC will be required to report to the line Ministry, which will review and monitor at its discretion | The team referred to under "Monitoring & Verification Protocols" will provide technical support to the NAO or other as required. WSC, as a public entity, publishes annual audited accounts. |
| WSC-6 | Reducing Electricity Consumption through the Elimination of Seawater Infiltration in the Sewage Collection Network | Engineering design estimates by WSC Experts | WSC will be required to report to the line Ministry, which will review and monitor at its discretion | The team referred to under "Monitoring & Verification Protocols" will provide technical support to the NAO or other as required. WSC, as a public entity, publishes annual audited accounts. |

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| WSC-7 | Upgrading the Quality of Treated Sewage Effluent to Replace Desalinated RO Water for Non-potable Uses | Engineering design estimates by WSC Experts. Based upon an estimated saving of 12.4 ktons of CO ₂ Source of information: Operational Program 1 Axis 4 European Regional Development Funds 2007-2013 Application | Engineer's Report vetted by PPCD, MALTA | The team referred to under "Monitoring & Verification Protocols" will provide technical support to the NAO or other as required. WSC, as a public entity, publishes annual audited accounts. |
| WS-1 | Rendering Plant (Autoclave) for Animal Waste in the Civil Abattoir | Engineering design estimates by WasteServ Malta Ltd. Savings of approximate 2,062.22 kgs of diesel per day for 300 days. Source of information: Operational Program 1 Axis 4 European Regional Development Funds 2007-2013 Application | ERDF Procedures require that WasteServ Malta Ltd. will report fuel savings | The team referred to under "Monitoring & Verification Protocols" will provide technical support to the NAO or other as required. WSC, as a public entity, publishes annual audited accounts. |

Sector: Residential - Buildings

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| RSB-1a | Incentive Scheme for Building Envelope Improvement (Double Glazing) | Scaled savings method', whereby engineering estimates are used to quantify the savings from each individual measure. Based on estimate figures by Balaras <i>et al.</i> "European residential buildings and empirical assessment of the Hellenic building stock, energy consumption, emissions and potential energy savings". Savings per household for double glazing installations are in the range of 14-20% of the total thermal (heating and cooling demand). Assuming that the average total combined heating and cooling energy demand for a Maltese household is in the region of 1,173kWh/Annum (ODYSSEE 2012 "Energy Efficiency Trends in Buildings in the EU"). Savings for double glazing installations are in the region of 243-340 kWh/Annum. Maximum savings are being assumed. Number of retrofits being assumed is 138, based on experience from previous scheme. Source of information: Draft version of ANNEX II - Preliminary list of harmonised average lifetimes of energy efficiency improvement measures and programmes for bottom-up calculations | The Ministry for Energy and the Conservation of Water will be setting up a team including representatives of relevant authorities and entities (e.g. Institute for Sustainable Energy of the University, Malta Intelligent Energy Management Agency), with the National Statistics Office having a leading role, to bring together existing energy studies and statistics, conduct studies and build consumption and other models to observe trends and measure changes in consumer behavior including response to various initiatives. It is intended that the initiatives reported here will be subject to particular attention by the Ministry's team, as they have a useful element of research. Indeed Malta's size renders it suitable to serve as a laboratory for such research. This team will, amongst other measure the response to, monitor the progress and the benefits derived from various schemes and undertake research, independently of the implementing entities and will be able to advice on the way forward. The team will draw up monitoring, reporting and verification protocols specific to each scheme or project. | Government accounts/budget is subject to auditing by the Malta Resources Authority and the NAO. The team referred to under "Monitoring & Verification Protocols" will provide technical support to the NAO or other as required. |
| RSB-1b | Incentive Scheme for Building Envelope Improvement (Roof Insulation) | as for RSB -1. Savings per household for roof insulation installations are in the range of 2-14% of the total thermal (heating and cooling demand). Assuming that the average total combined heating and cooling energy demand for a Maltese household is in the region of 1,173kWh/Annum (ODYSSEE 2012 "Energy Efficiency Trends in Buildings in the EU"). Savings for roof insulation installations are in the region of 34-240 kWh/Annum. Maximum savings are being assumed. Number of retrofits being assumed is 225, based on experience from previous scheme. Source of information: Draft version of ANNEX II - Preliminary list of harmonised average lifetimes of energy efficiency improvement measures and programmes for bottom-up calculations | as for RSB-1a | Government accounts/budget is subject to auditing by the Malta Resources Authority and the NAO. The team referred to under "Monitoring & Verification Protocols" will provide technical support to the NAO or other as required. |
| RSB-1c | Solar Water Heater Incentive Scheme | Average energy savings at 1,000 kWh/2.5m ² - i.e. the average unit size used in Malta (Source: NSO) No. of Measures implemented per year starting 2014: 300 units/annum new installations (Source: Projections of historical trends, Energy Policy Division, Ministry for Energy and the Conservation of Water) Source of information: Draft version of ANNEX II - Preliminary list of harmonised average lifetimes of energy efficiency improvement measures and programmes for bottom-up calculations | as for RSB-1a | Government accounts/budget is subject to auditing by the Malta Resources Authority and the NAO. The team referred to under "Monitoring & Verification Protocols" will provide technical support to the NAO or other as required. |
| RSB-2 | Energy Efficiency in Low Income Houses in MED Grant Scheme (following already-completed Energy Audits) | Solar Water heaters installations: 20 installations each saving 1,000kWh/year. Total saving 20,000kWh/year. Double Glazing calculation: Original U-value is taken 5.7W/DegC/msq and the new U-value is 3.4W/DegC/m ² , having an area of 10msq. Hence the saving in kWh is 153 kWh per year. While Roof Insulation calculation: Original U-value is taken 2.14W/DegC/msq and the new U-value is 0.59W/DegC/msq, having an area of 1,300msq. Hence the saving in kWh is 13,415 kWh per year. Sources of information: 1.) Islands and Small States Institute. The Eco-Gozo Concept from a Sustainable Energy Perspective. Farrugia R.N., Fsadni M., Mule Stagno L., Weissenbacher M., Yousif C 2.) ANNEX II of the preliminary list of harmonised average lifetimes of energy efficiency improvement measures and programmes for bottom-up calculations | as for RSB-1a | Government accounts/budget is subject to auditing by the NAO and the Managing Authority. The team referred to under "Monitoring & Verification Protocols" will provide technical support to the NAO or other as required. |

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| RSB-3 | Scheme for the Installation of Heat Pumps (Domestic) | <p>It is assumed that the potential catchment for this scheme out of the total housing stock in Malta is two-thirds of the apartments plus half of the maisonettes. These residences do not have access to roof space and hence cannot install solar heaters, which is the preferred option for water heating. Today they are using electric heaters, which a study by the National Statistics Office has shown to account for over 20% of the average household's electricity consumption.</p> <p>The calculation of the savings is based upon:</p> <ul style="list-style-type: none"> - The uptake of earlier generally similar schemes for Solar Water Heaters (5% of the number of flats and maisonettes will be attracted - resulting into 3000 households). - The consumption of energy for heating water, of which 70% can be saved by the use of heat pumps - taken from a study by the Institute for Sustainable Energy of the University of Malta. <p>It is envisaged that the uptake is spread over 3 years, hence the benefits are accumulated gradually.</p> <p>Source of information: Draft version of ANNEX II - Preliminary list of harmonised average lifetimes of energy efficiency improvement measures and programmes for bottom-up calculations</p> | as for RSB-1a | <p>Government accounts/budget is subject to auditing by the Malta Resources Authority and the NAO.</p> <p>The team referred to under "Monitoring & Verification Protocols" will provide technical support to the NAO or other as required.</p> |
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| Sector: Transport | | | | |
| TR-1 | Grant Scheme to Improve Vehicle Fleet Efficiency | <p>Fuel consumption factors for older stock estimated using methodology outlined by EMEP/EEA air pollutant emission inventory guidebook (EEA), consumption factors for new stock obtained from vehicle data held by Transport Malta and loaded by 20% to cater for real life driving conditions in line with published studies. Difference used to calculate fuel and hence energy savings obtained when a new vehicle replaces an older model.</p> <p>Source of information: Estimates based on data provided by Transport Malta, NSO, Consumption model as per EMEP/EEA inventory guidebook, National Household travel survey</p> | Monitoring data provided by TM (Transport Malta) | <p>Government accounts/budget is subject to auditing by Transport Malta and the NAO.</p> <p>The team referred to under "Monitoring & Verification Protocols" will provide technical support to the NAO or other as required.</p> |
| TR-2 | Grant Scheme to Improve Vehicle Fleet Efficiency | <p>Fuel consumption factors for older stock estimated using methodology outlined by EMEP/EEA air pollutant emission inventory guidebook (EEA), consumption factors for new stock obtained from vehicle data held by Transport Malta and loaded by 20% to cater for real life driving conditions in line with published studies. Difference used to calculate fuel and hence energy savings obtained when a new vehicle replaces an older model.</p> <p>Source of information: Estimates based on data provided by Transport Malta, NSO, Consumption model as per EMEP/EEA inventory guidebook, National Household travel survey</p> | Monitoring data provided by TM (Transport Malta) | <p>Government accounts/budget is subject to auditing by Transport Malta and the NAO.</p> <p>The team referred to under "Monitoring & Verification Protocols" will provide technical support to the NAO or other as required.</p> |

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| Sector: Private | | | | |
| PS-1 | Cogeneration Plant at Neptunes Aquatic Sports Association Malta, St. Julian's | <p>Comparison between savings from CHP providing 101250 kWh_e and 157500 kWh_{th} to amount of conventional energy used. Calculations based on a 45kW_e and 75kW_{th} unit running for 2250 hours.</p> <p>Source of information: Estimates provided by Altern Malta Ltd</p> | Guarantees of origin (GoO) certification to be enforced by MRA | <p>Government accounts/budget is subject to auditing by the NAO and the Managing Authority.</p> <p>The team referred to under "Monitoring & Verification Protocols" will provide technical support to the NAO or other as required.</p> |
| PS-2 | Cogeneration Plants in the Hospitality Sector | <p>Comparison between savings from CHP providing an average of 592335 kWh_e and 1850100 kWh_{th} to amount of conventional energy used. Power to Heat ratio for LPG SI Engine taken from Dissertation of Ing Peter Mifsud for the MSc in Building Services Engineering with Sustainable Energy (Brunel University, April 2012). Unit availability 95% of the year.</p> | Guarantees of origin (GoO) certification to be enforced by MRA | <p>Government accounts/budget is subject to auditing by the NAO and the Managing Authority.</p> <p>The team referred to under "Monitoring & Verification Protocols" will provide technical support to the NAO or other as required.</p> |
| PS-3 | Cogeneration Plants in the Hospitality Sector | <p>Comparison between savings from CHP providing 642988 kWh_e and 1387200 kWh_{th} to amount of conventional energy used. Power to Heat ratio for LPG SI Engine taken from Dissertation of Ing Peter Mifsud for the MSc in Building Services Engineering with Sustainable Energy (Brunel University, April 2012). Unit availability 95% of the year</p> | Guarantees of origin (GoO) certification to be enforced by MRA | <p>Government accounts/budget is subject to auditing by the NAO and the Managing Authority.</p> <p>The team referred to under "Monitoring & Verification Protocols" will provide technical support to the NAO or other as required.</p> |

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| PS-4 | Installation of 37 Solar Thermal Water Heaters | <p>National Statistics Office figures - estimated savings 1 MWh per unit installed</p> <p>Source of information: Operational Program 1 Axis IV European regional Development Funds 2007-2013 Application</p> | <p>The Ministry for Energy and Conservation of Water will be setting up a team including representatives of relevant authorities and entities (e.g. Institute for Sustainable Energy of the University, Malta Intelligent Energy Management Agency), with the National Statistics Office having a leading role, to bring together existing energy studies and statistics, conduct studies and build consumption and other models to observe trends and measure changes in consumer behavior including response to various initiatives. It is intended that the initiatives reported here will be subject to particular attention by the Ministry's team, as they have a useful element of research. Indeed Malta's size renders it suitable to serve as a laboratory for such research for such.</p> <p>This team will, amongst other measure the response to, monitor the progress and the benefits derived from various schemes and undertake research, independently of the implementing entities and will be able to advice on the way forward. The team will draw up monitoring, reporting and verification protocols specific to each scheme or project.</p> | <p>Government accounts/budget is subject to auditing by the NAO and the Managing Authority.</p> <p>The team referred to under "Monitoring & Verification Protocols" will provide technical support to the NAO or other as required.</p> |
| PS-5 | Scheme for the installation of heat pumps for industrial use | <p>Today, most small commercial establishments are using electricity for water heating. The calculation of the savings through this measure is based upon the estimated consumption of energy for heating water, of which 70% can be saved by the use of heat pumps - taken from a study by the Institute for Sustainable Energy of the University of Malta.</p> <p>It is envisaged that the uptake is open to 300 persons spread over 3 years. The establishments to whom the scheme is addressed vary greatly in energy consumption, size and type of business. No detailed information is available up to the time of writing. A best judgement estimate had to be made, which may be revised as actual data is collected.</p> <p>Source of information: Draft version of ANNEX II - Preliminary list of harmonised average lifetimes of energy efficiency improvement measures and programmes for bottom-up calculations</p> | as for PS-4 | <p>Government accounts/budget is subject to auditing by Malta Enterprise and the NAO.</p> <p>The team referred to under "Monitoring & Verification Protocols" will provide technical support to the NAO or other as required.</p> |
| PS-6 | Tax Incentive Scheme for Industry for the Improvement of its Energy Consumption for Air Conditioning (Climate Control - Cooling) | <p>It is estimated that a 3% reduction in the current level of energy consumption can be achieved. This estimate is based on best judgment of experienced consultants backed by actual performance data on some similar projects that have already been implemented in this sector.</p> <p>It is also assumed that 15-20% of eligible enterprises will make use of this scheme.</p> <p>Source of information: Draft version of ANNEX II - Preliminary list of harmonised average lifetimes of energy efficiency improvement measures and programmes for bottom-up calculations</p> | as for PS-4 | <p>Government accounts/budget is subject to auditing by Malta Enterprise and the NAO.</p> <p>The team referred to under "Monitoring & Verification Protocols" will provide technical support to the NAO or other as required.</p> |
| PS-7 | Tax Credit Scheme to Shift to More Energy Efficient Lighting | <p>Calculation Methodology is very conservative because the assumptions taken are the following: Industry working on 2 shift basis and therefore at 16hours per day, while the days are 6 day/week. The switch to a more efficient lighting fitting would save 50% and average saving power per lamp is 200W. The replacement of lamps per year is 50, while the number of Enterprises are 70,782.</p> <p>Sources of information: 1.) Calculations based on BSE Consultants by Ing. Vincent Rapa and Mr. Anthony Galea, Managing Director, RG Alternivites. Full details are in Cost-Benefit Analysis 2.) Malta Enterprise web site: http://www.maltaenterprise.com/en 3.) National Statistics Office News Release, 2nd May 2013 4.) Draft version of ANNEX II - Preliminary list of harmonised average lifetimes of energy efficiency improvement measures and programmes for bottom-up calculations</p> | as for PS-4 | <p>Government accounts/budget is subject to auditing by Malta Enterprise and the NAO.</p> <p>The team referred to under "Monitoring & Verification Protocols" will provide technical support to the NAO or other as required.</p> |