



Northern Ireland Sustainable Energy Programme Annual Report 2012-13

Prepared by the Energy Saving Trust

1. Executive Summary

This annual report reviews the performance of the 2012-13 Northern Ireland Sustainable Energy Programme (NISEP) schemes, outlining the measures installed, financial benefits to beneficiaries and the energy (GWh) and carbon savings associated.

For 2012-13 the initial NISEP fund was £7,836,946 (as set out in the NISEP Framework) giving an average NISEP customer contribution of £9.35 per electricity customer across approximately 838,621 domestic and business customers. The total NISEP spend at the end of the year was £7,836,473.

In total, twenty-four schemes were approved with two schemes closing due to lack of take up. The funds allocated to these were redistributed to other more successful schemes to try to maximise the in-year spend.

Table 1 - Summary Outturn Savings

Total lifetime energy savings (GWh)	644.375
Total lifetime carbon saved (tC)	117,112
Gross customer benefits (£)	£84,906,832
Total incentives earned (£)	£140,004

2. NISEP background

NISEP is funded from a sum of money collected from all electricity customers through a Public Service Obligation (PSO), and it is used to provide funding for energy efficiency and renewable energy schemes.

The strategic objectives of the NISEP are to contribute to the achievement of:

- Efficiency in the use of energy;
- Socially and environmentally sustainable long-term energy supplies; and
- The above at best value to customers whilst also having due regard to vulnerable customers.

The majority of the funding (80%) is ring-fenced for spend on vulnerable customers in Northern Ireland. Previous consultations have substantiated the view that this level of

funding for vulnerable customers should remain given that fuel poverty levels in Northern Ireland remain high.

In 2012-13 the NISEP continued to focus on vulnerable customers (known internally as the Priority Sector) who are domestic customers on lower incomes and in, or at risk of, fuel poverty, with £6,269,557 made available at the start of the year for this sector. The remaining £1,567,389 was split between non-priority domestic and commercial schemes and the non-priority innovative schemes category.

NISEP funding for schemes aimed at Priority Sector customers typically provided a package of measures that included;

- Fabric (cavity wall or loft) insulation
- Heating system replacement including fuel switching and heating controls
- Low energy lighting
- Hot water cylinder jackets
- Energy use monitors
- Hot-water saving shower adaptors

The explicit aim of NISEP funding in the Priority Sector is to reduce energy consumption in the least energy efficient housing stock.

In the non-priority domestic and commercial sector measures continued to include;

- insulation ‘cash-back’ offers for cavity wall, and loft insulation in the domestic sector
- variable speed drives and variable speed compressors
- LED lighting systems

3. Types of schemes in 2012-13

In 2012-13, twenty-four schemes ran and were subsequently completed during the year (with two closing due to lack of take up). This year saw another new Primary Bidder enter NISEP (Carillion Energy Services). The tables below summarise the number of schemes per bidder and schemes per category

Table 3.1 - Summary of schemes by Primary Bidder

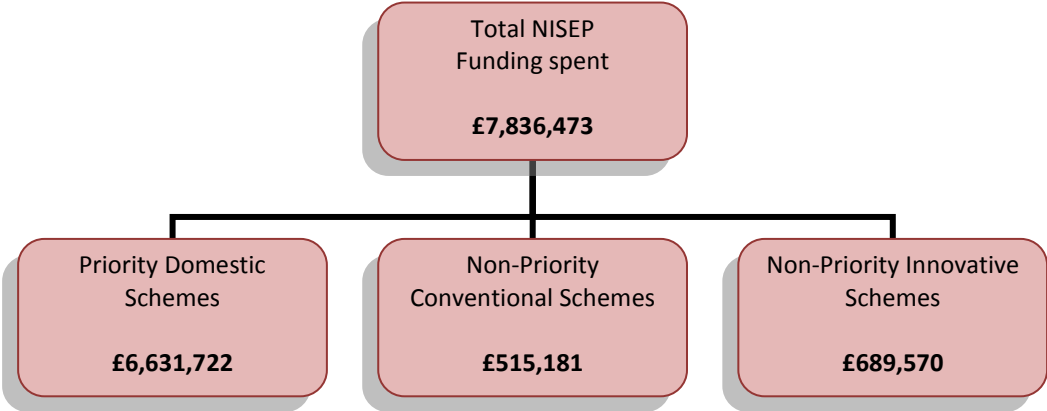
Airtricity	2
Carillion Energy Services	1
Energia	7
Electric Ireland	1
firmus energy	2
Power NI	11

Table 3.2 – Breakdown of schemes by category

Priority Schemes	12
Non-priority conventional	10
Non-priority innovative	2

Table 3.3 below shows how the NISEP funds spent were split between each funding category in 2012-13.

Table 3.3 - NISEP Breakdown of Funding Spent



4. Priority Domestic Schemes

Of the £7,836,473 spent overall, £6,631,722 was utilised on Priority Sector schemes (those targeted at households most at risk of fuel poverty), representing just under 85% of the total funding spent. Energy savings of 386.286 GWh in the priority sector represents about 60 per cent of the overall energy savings. This equates to a lifetime customer benefit of £40,580,195 for the most vulnerable households in Northern Ireland.

In total, priority funding contributed to 60,164 energy efficiency interventions ranging from low energy light bulbs to new high-efficiency gas condensing boilers. Some schemes, such as Energy Saver Homes, provided fully funded measures whilst others provided a substantial grant towards the measures. Table 4.1 shows a breakdown of priority measures and Table 4.2 shows the breakdown of heating system installations.

Table 4.1 – Summary of Priority Measures Installed

Loft insulation	5,343
Cavity wall insulation	1,187
Low energy lighting	23,908
Hot water cylinder jackets	1,419
Water Widgets	25,000
Energy Monitors	1,061
Heating Replacements	2,246
TOTAL	60,164

Table 4.2 – Summary of Heating Replacements

Economy 7 to gas	463
Economy 7 to oil	53
Solid fuel to gas	137
Solid fuel to oil	80
LPG to gas	24
Oil to gas	1,235

No heating to gas	117
No heating to oil	137
TOTAL	2,246

Feedback from priority scheme recipients is always encouraged and below is a snapshot of the kind of comments we receive.

Energy Saver Homes Customers

"Just wanted to say a big thank you to the whole team. I hadn't had heating for years so it's life changing in ways. A job well done."

"Thank you for installing this new system, as a pensioner I could never have been able to do this myself."

Snug Plus Customers

"Using less electricity since heating system installed and house insulated. Huge thank you for help heating my home."

"Electricity bill reduced, no need to have heat on as long."

Free Insulation Customers

"Completely satisfied with the work that was carried out on my house."

"The insulation in the roof space and cavity wall has made such a difference with regard to heating our home. We are delighted with the result!"

"This was a wonderful help to me and my sister who own our home and on a very low income. Wonderful help much appreciated."

Toasty Homes Customers

"I am delighted that we were able to get this scheme as we have seen such a difference"

"A really good quality job"

Toasty Homes Plus Customers

"Our old system needed replaced and the scheme enabled us to do it. We could not have afforded it otherwise"

"the pay as you go meter is great as there are no large bills and it's easy to see how much you are using"

5. Non priority schemes (commercial, domestic and innovative)

Non-priority schemes provide part-funding, usually in the region of 20%, towards the cost of the measures. These schemes tend to be more cost effective than those in the priority sector, due to commercial energy efficiency measures yielding good energy savings in comparison to the spend. However, over recent years commercial schemes have suffered from high levels of underspend due to schemes failing to attract enough interested businesses. Close monitoring of this in future years will aim to minimise in-year underspend by identifying underperforming schemes earlier and implementing measures to move funds to other, better performing schemes.

The non-priority domestic schemes have, in recent years, tended to be a ‘cashback’ offer for measures such as insulation. This year, Airtricity ran a successful insulation discount scheme.

This year the innovative non-priority schemes focussed on renewable energy technologies (solar thermal and solar PV) which are not yet cost-effective against other mainstream energy efficiency technologies, however with lowering costs of equipment and increasing government support for renewables (through the RHPP and NIROCs) there is less need for NISEP intervention to encourage uptake, hence the solar thermal scheme was reduced (due to the introduction of RHPP). In future years, renewables will not be treated as ‘innovative’.

6. Utilisation of NISEP Funding 2012-13

Table 6.1 below shows a summary of the approved schemes this year along with NISEP contribution spent, GWh lifetime energy savings, lifetime carbon tonnes and the gross customer financial benefit of each scheme. The graphs show a breakdown of GWh savings by category and the overall cost effectiveness of each scheme in pence spent per kilowatt of energy saving generated (the smaller the pence per kilowatt figure, the more cost-effective the scheme).

Table 6.1 - Scheme Summary

SCHEME REF	SCHEME TITLE	NISEP costs £	Accredited GWh	Carbon Tonnes	Gross Customer Benefit £
AIRT 12 02 M NP	Energy Saver 2	116,659	33.438	6,020	4,279,547
AIRT 12 04 O P	Water Widget	191,480	33.626	5,941	4,425,986
CES 12 01 M P	Discounted Heating and Insulation	25,358	1.807	375	153,700
ENA 12 01 O NP	High Bay Lighting	52,070	21.971	4,063	3,917,375
ENA 12 02 L NP	Fluorescent/LED Lighting	127,390	48.133	8,902	8,582,124
ENA 12 03 O NP	Hysave	514*	0.000	0.00	0
ENA 12 04 O NP	Variable Speed Drives	18,869	14.331	2,568	2,555,279
ENA 12 05 O NP	Variable Speed Compressors	77,410	44.894	8,044	8,004,640
ENA 12 06 O NP	Heat Recovery on Compressed Air Systems	10,444	22.005	3,943	3,923,433
ENA 12 08 O NP	SME Lighting & Controls	13,012	2.948	503	525,585
ESB 12 01 L NP	Energy Efficient Lighting	5,752	2.410	444	429,645
FIR 12 03 MP	Toasty Homes	1,481,818	62.903	11,790	6,108,370
FIR 12 04 MP	Toasty Homes Plus	685,304	11.261	2,321	625,839
PNI 12 01 MP	Energy Saver Homes	1,099,148	25.179	5,226	2,424,493
PNI 12 02 MP	Cosy Homes	523,342	34.564	7,685	1,757,871
PNI 12 03 MP	Cosy Homes Shelters	58,800	9.59	687	202,722
PNI 12 04 M P	Snug Plus Oil	169,937	8.59	1,679	725,869
PNI 12 05 MP	Snug Plus	237,147	14.224	2,933	992,044
PNI 12 06 I P	Free Insulation	1,997,362	169.272	28,654	21,113,315
PNI 12 07 I P	Cosy Homes Insulation	162,027	15.27	2,482	2,049,986

PNI 12 10 I P	Housing Exec Loft Top-ups	0**	0	0	0
PNI 12 12 O NP	Variable Speed Drives	93,061	45.903	8,459	8,184,490
PNI 12 14 R NP	Solar Water Heating	2125	0.098	21	9,458
PNI 12 15 NP	Solar PV	687,444	21.958	4,372	3,915,061
TOTALS		7,836,473	644.375	117,112	84,906,832

*marketing costs only, there was no uptake of this scheme

**this scheme was closed early due to no uptake

Figure 6.2 - Lifetime energy savings by category (GWh)

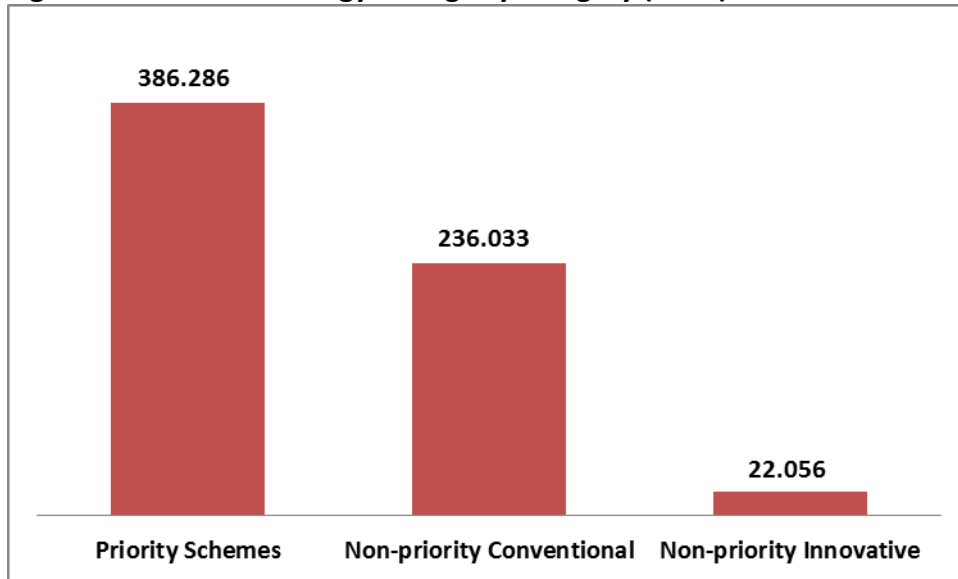


Figure 6.3 - Priority Scheme Cost Effectiveness (p/kWh) (the lower the value, the more cost effective the scheme)

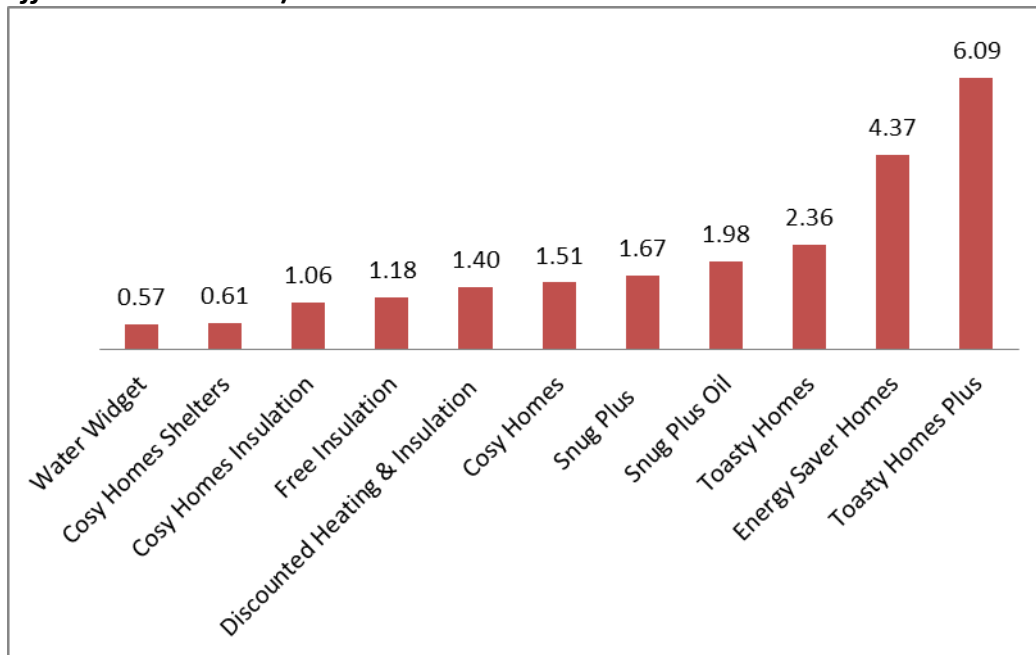
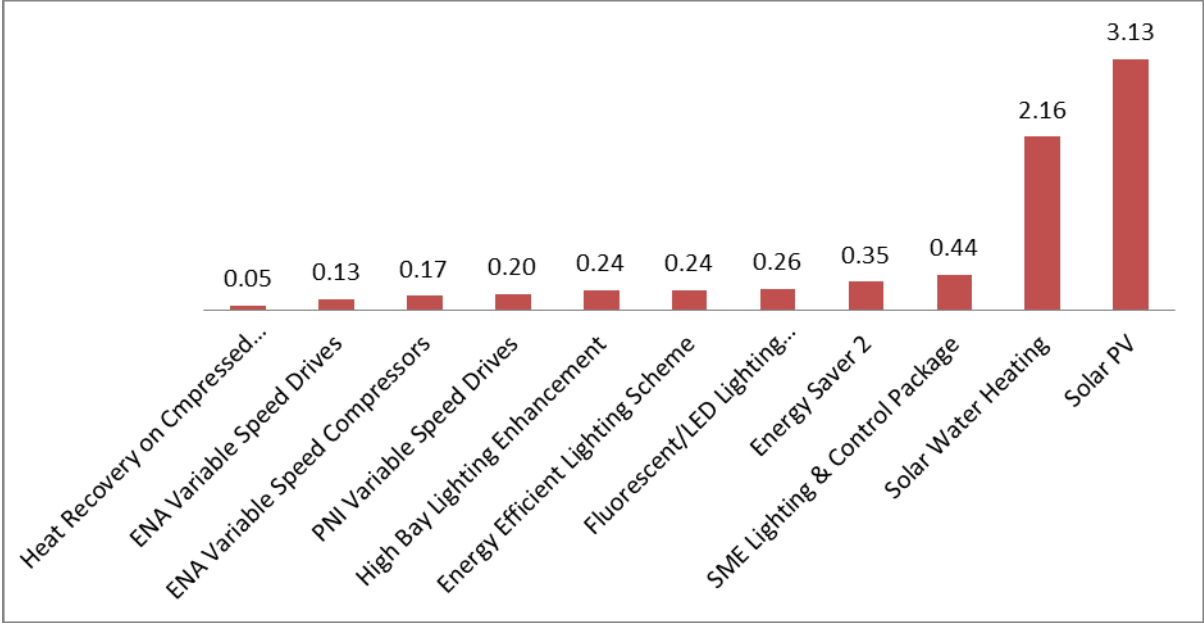


Figure 6.4 - Non-Priority Scheme Cost Effectiveness (p/kWh) (the lower the value, the more cost effective the scheme)



7. Target Achievement and Incentive Payments

In order to encourage Primary Bidders to bring forward cost-effective schemes and thereby ensure that the objectives of the NISEP are met, the Utility Regulator awards an incentive payment to Primary Bidders that exceed the energy saving targets set for each category of scheme. There is no incentive paid for simply meeting the target.

As a result of exceeding the GWh targets, incentive payments were awarded to some Primary Bidders and the total of incentive payments was £140,004. This is summarised in table 6.1 below.

7.1 - Summary of Incentive Payments 2012-13

Primary Bidder	Amount spent (£)	Savings achieved (GWh)	Incentive earned (£)
Airtricity	308,139	67.064	33,059
Carillion Energy Services	25,358	0.942	769
Energia	299,709	154.282	34,398
ESB (Electric Ireland)	5,752	2.410	109
Firmus Energy	2,167,122	65.211	35,164
Power NI	5,030,393	335.680	36,504
		TOTAL	£140,004

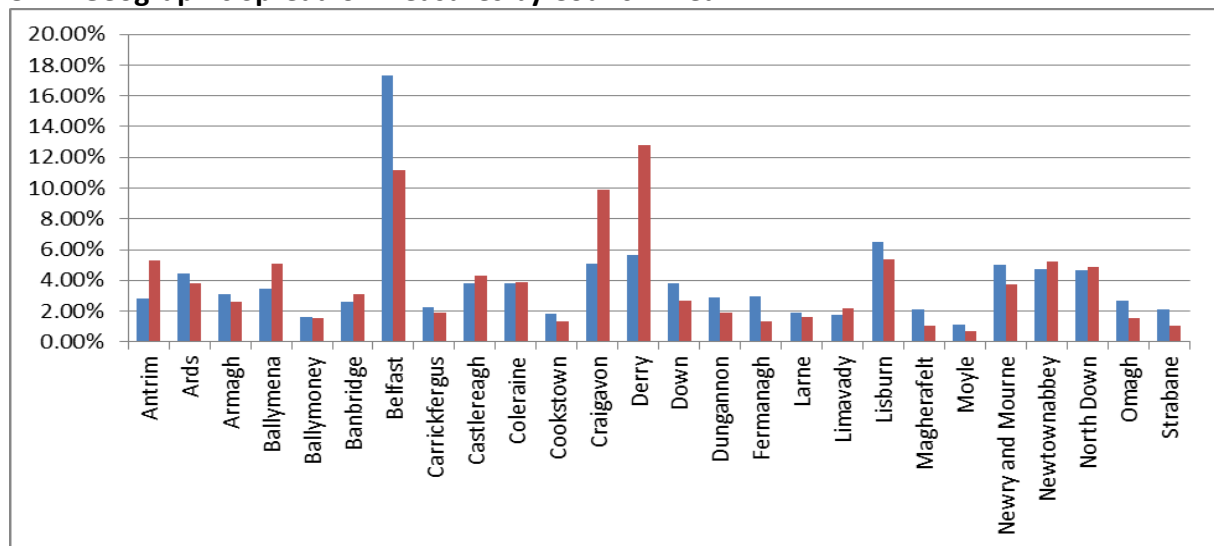
8. Geographical Spread of Measures

Data from domestic NISEP schemes is fed into the Energy Saving Trust's Home Energy Efficiency Database (HEED). This database records information from a variety of sources across the UK to create a picture of energy efficiency upgrades for individual properties.

Data from the 12-13 NISEP has been loaded into the database. Table 8.1 below shows the percentage of overall NISEP interventions per council area in red and the percentage of NI households there are in each council area in blue. For NISEP to demonstrate good geographical spread across all council areas, both the blue and red bars should be roughly equal height as both indicate the data as a % of the national total.

There is still a reasonable spread of measures across all councils, as was the case last year. This year there would appear to be a bias towards gas areas given that overall heating installations were up by over a third on the previous year. Depending on how 2013-14 scheme data looks, it may be possible that specific focus needs to be placed on non-gas areas in coming years, by limiting funding available where the geographic spread of a scheme is restricted.

8.1 – Geographic Spread of Measures by Council Area



9. Comparison with previous year

The table below provides a comparison with last year's NISEP.

Table 9.1 – Comparison with previous year's figures

	2012-13	2011-12
NISEP funding spent	£7,836,473	£7,882,252
Total lifetime energy savings	644.375 GWh	707.404 GWh
Carbon savings	117,112 t	135,819 t
Gross customer benefit	£84,906,832	£72,410,175
Total incentives earned	£140,004	£245,518

Overall, spend was broadly similar to the previous year, but total energy savings have continued to decrease. This can be attributed to factors such as declining numbers of properties remaining which require a full set of 'whole house' measures – i.e. identifying properties is becoming harder. In addition the increasing costs of materials, meaning that fewer jobs can be carried out for the same money may be starting to become noticeable. What is encouraging is that the increase in gross customer benefits continues to grow (due to increasing fuel costs) which is good news for those who benefit most from energy efficiency measures. The priority sector benefitted from 48% of the gross customer benefits (up 4% on last year), so while these schemes are traditionally the least cost effective, close to half of the financial savings produced under NISEP are benefitting those in most need.

10. Conclusions

NISEP scheme submissions continue to be received from a range of gas and electricity suppliers as well as new entrants such as Carillion Energy Services. The overall spend was similar to last year but with lower overall energy savings. With changes in fuel prices, the gross customer benefits predicted increased by over £12 million over the lifetime of the measures installed. In total, across both domestic and commercial schemes, there were 79,229 energy efficiency measures installed across priority and non-priority schemes, including 2,246 new heating systems.

The broad aims of NISEP have been met with interventions resulting in more energy efficient homes and businesses, while balancing the social need of vulnerable customers within the split of domestic and commercial schemes. The gross customer benefit total translates as one pound of NISEP funding provided this year provides £10.83 of long term energy savings.

Poor uptake of non-priority schemes continues and will be addressed in future years with consideration being made on capping the total spend on schemes which have consistently under-performed in previous years as well as reacting quicker on schemes which are under-performing in-year and moving funds from those schemes to better performing schemes.

July 2014

Appendix 1: Summary of participating NISEP schemes

PRIORITY SCHEMES

CES 12 01 MP Discounted heating and insulation

This scheme targeted low income, vulnerable households which fell outside of the natural gas area and which had no heating, Economy 7 or solid fuel heating and replaced it with a new high efficiency oil boiler system. A discount of £1,500 along with a fully funded insulation upgrade up to the value of £800 was made available. It had been hoped to support 125 households but throughout the year only 13 households benefited from this scheme as a similar scheme was also available through Power NI.

Measures Summary

Loft Insulation	6
Cavity Wall Insulation	4
Replacement Heating	13
Low Energy Lights	52

FIR 12 03 MP Toasty Homes

This was a priority whole-house solution scheme providing a package of measures to dwellings within the firmus energy gas network. The occupants had to be deemed 'vulnerable' and have no central heating, an old LPG or oil boiler system (over 15 years old), Economy 7, or solid fuel heating.

The offer comprised a £1,500 cash back towards a new natural gas heating system and up to £800 for insulation measures. In addition CFLs and an energy monitor were offered to each household.

This year's scheme exceeded the 705 properties predicted, with 923 households receiving a new energy efficient natural gas heating system in addition to insulation and other smaller measures. firmus energy provided £300 contribution towards each heating installation and customers provided, on average, a £1,500 contribution towards the heating upgrade.

Measures Summary

Loft Insulation	630
Cavity Wall Insulation	25
Replacement Heating	923
Low Energy Lights	3432
Hot Water Cylinder Jacket	1
Energy Monitors	858

FIR 12 04 MP Toasty Homes Plus

This was a fully funded priority whole-house solution scheme providing a package of measures to dwellings within the firmus energy gas network. The occupants had to be

deemed 'vulnerable' and have no central heating, an old LPG or oil boiler system (over 15 years old), Economy 7, or solid fuel heating. There was no financial contribution required of the householder.

The scheme included the installation of a new fully controlled gas heating system with condensing boilers or condensing combination boilers plus insulation measures. The insulation measures included hot water cylinder jacket, cavity wall insulation and/or loft insulation upgraded to 270mm (up to the value of £800). An energy monitor and CFLs were also offered.

This year's scheme exceeded the 200 properties anticipated, with 225 heating systems installed.

Measures Summary

Loft Insulation	125
Cavity Wall Insulation	4
Replacement Heating	225
Low Energy Lights	800
Hot Water Cylinder Jacket	1
Energy Monitors	203

PNI 12 01 MP Energy Saver Homes

This scheme targeted vulnerable householders with no heating, Economy 7 or solid fuel heating. Eligible customers were provided with a new energy efficient heating system (gas if on the network, or oil if not) and a package of insulation measures up to the value of £800. Each property also received four energy efficiency light bulbs. Referrals were generated throughout the year by a range of referral partners including Northern Investing for Health council areas, Western HAZ and the Power NI Freephone number.

Measures Summary

Loft Insulation	88
Cavity Wall Insulation	26
Replacement Heating	267
Low Energy Lights	1068
Hot Water Cylinder Jacket	6

PNI 12 02 MP Cosy Homes

The aim of this scheme was to install energy efficient heating and insulation measures in Housing Association (HA) properties and therefore raise the standard of heating systems and the thermal quality of homes in the HA stock.

A grant maximum of £1000 was offered for heating and £150 towards insulation and each property received two CFLs, with each tenant also receiving in-home energy saving advice.

In total, 10 Housing Associations signed up to the scheme and they were responsible for identifying suitable properties and contributing the remaining costs for the measures.

Measures Summary

Loft Insulation	208
Replacement Heating	460
Low Energy Lights	920
Hot Water Cylinder Jacket	62

PNI 12 03 MP Cosy Homes Shelters

Cosy Homes Shelters aimed to install an energy efficient natural gas communal heating boiler for Housing Association properties. A grant of £1000 per residential property was offered and each tenant was given energy saving advice. Housing Associations were responsible for identifying suitable properties. Two Housing Associations progressed with the scheme resulting in 56 properties benefiting. The Housing Associations provided the remaining costs of the measures.

Measures Summary

Replacement Heating	56
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PNI 12 04 MP Snug Plus Oil

The Snug Plus Oil scheme targeted vulnerable customers with old oil systems (over 15 years old) and offered the opportunity to install a highly efficient fully controlled natural gas heating system at a substantial discount and receive a free insulation upgrade. The aim of the scheme was to identify working fuel poor customers who fell outside of the Warm Homes / Energy Saver Homes criteria and who could afford a modest contribution towards the scheme. A grant of £800 was available towards the cost of heating along with free cavity wall/loft insulation up to £800. Referrals were generated through the Power NI website, bill inserts and Power NI's dedicated energy saving Freephone number. The scheme was well received with 151 packages provided to vulnerable householders most in need.

Measures Summary

Loft Insulation	57
Cavity Wall Insulation	22
Replacement Heating	151
Low Energy Lights	604

PNI 12 05 MP Snug Plus

This scheme was aimed primarily at working fuel poor households that had no heating, Economy 7, solid fuel or old oil systems (over 15 years old). The scheme offered a discount of £1,500 off the cost of upgrading to a new, highly efficient, fully controlled gas heating system or £800 towards an equivalent oil system and free cavity/loft insulation up to £800 (where required).

Referrals were mainly generated through the Power NI Freephone number along with local referral partners, bill inserts and advertisements in local press. The scheme was well received with 151 heating packages provided to vulnerable households most in need.

Measures Summary

Loft Insulation	61
Cavity Wall Insulation	19
Replacement Heating	151
Low Energy Lights	604

AIRT 12 04 OP Water Widget

The Water Widget scheme was a shower device give-away in areas known for having large numbers of priority group households. The Water Widget fits on the water supply to the shower head and reduces the amount of water delivered to the shower head, therefore reducing the amount of hot water required.

Measures Summary

Water Widgets	25,000
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PNI 12 06 IP Free Insulation

The aim of this scheme was to install cavity wall and loft insulation in the homes of vulnerable customers, who fall outside of the Warm Homes criteria. Eligible householders were offered a package including cavity wall insulation, loft insulation, hot water cylinder jacket and four energy saving light bulbs. The maximum value of the grant available to customers was £800.

Referrals were generated through a network of referral partners across Northern Ireland including Northern Investing for Health council areas, Western HAZ, Age NI and the Power NI Freephone number. The scheme was also heavily promoted on the Power NI website with customers able to register online. The scheme supported 3,600 households with an insulation upgrade.

Funding for this scheme was allocated early in the year, so additional funding was secured, through DARD to support low income, fuel poor households in rural areas, for a further 323 households. Funding was also made available through underperforming schemes which helped to support further installations.

Measures Summary

Loft Insulation	3,176
Cavity Wall Insulation	1,065
Low Energy Lights	14,400
Hot Water Cylinder Jacket	1,349

PNI 12 07 IP Cosy Homes Insulation

The aim of this scheme was to install cavity wall and loft insulation in Housing Association properties. A grant of £150 towards each of the insulation measures was provided and each property also received two CFLs and each tenant was given energy saving advice.

This scheme builds upon the successful Cosy Homes whole house solution scheme. All 13 Housing Associations registered for the scheme were responsible for identifying properties suitable for the grant. This scheme performed largely as expected with 1014 insulation measures delivered.

Measures Summary

Loft Insulation	992
Cavity Wall Insulation	22
Low Energy Lights	2,028

NON-PRIORITY SCHEMES

AIRT 12 02 MNP Energy Saver 2

This was a mixed individual measures scheme to install loft and cavity wall insulation in Non-Priority homes. Customers were offered a 'cash-back' on both the loft and cavity wall insulation. A minimum installation value of £250 applied for insulation work for a cash-back of up to £150.

Measures Summary

Loft Insulation	199
Cavity Wall Insulation	516

ENA 12 01 LNP High Bay Lighting Enhancement

This scheme helped fund the replacement of metal halide high bay installations with low energy compact fluorescent/ T5 luminaires with daylight and occupancy sensors in Industrial/Warehouse Business Premises. In total, seven companies availed of the scheme and NISEP funding contributed an average of 22% of the total project costs.

Measures Summary

Low Energy Lights	1,159
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ENA 12 02 LNP Fluorescent/LED Lighting Enhancement

The fluorescent lighting scheme replaced T12/T8 fluorescent light fittings with low energy linear compact fluorescent/T5 luminaires and integrated daylight/occupancy sensors or LED tubes in industrial and commercial premises. In all, 29 companies took up the NISEP offer.

This scheme was very successful with 25 LED schemes utilising 15,292 fittings and four fluorescent schemes with 738 fittings.

Measures Summary

LEDs	15,292
Fluorescent Lighting	738

ENA 12 03 ONP Hysave LPA system for refrigeration systems

This scheme was cancelled as there was no uptake of funding by Q4. The funding was then reallocated to ENA 12 02 Fluorescent and LED lighting.

ENA 12 04 ONP Variable Speed Drives

Electric Drives are extensively used in most industrial business premises. Due to the low installation cost, single speed motors have been the preferred choice with customers. This scheme targeted Industrial/Large Commercial Users in Northern Ireland with the aim of installing 'Variable Speed Units'. The installation of this inverter technology on electric motors results in substantial energy savings through reducing motor speeds. Six companies applied for funding and met the criteria set for the scheme, with NISEP contributing an average of 38% of the project costs.

Measures Summary

Variable Speed Drives	10
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ENA 12 05 ONP Variable Speed Compressors

Replacing a single speed compressor with a new 'variable speed compressor' taking advantage of the substantial energy savings achieved reducing motor speed. In total, 17 companies applied for 18 compressors. On average NISEP funding contributed 21% of the total project cost.

Measures Summary

Variable Speed Compressors	18
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ENA 12 06 ONP Heat Recovery on Compressed Air Systems

This was the first year of the scheme, its aim was to install heat exchangers to existing compressed air systems, recycling the heat to save energy and reduce costs. Only two projects went ahead. Although the number of installed heat recovery units was low the overall savings were good, making for a cost effective scheme.

Measures Summary

Heat Recovery	2
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ENA 12 08 ONP SME Lighting & Control Package

This was the first year of the SME package scheme, its aim was to supply and deliver LED tubes and lamps, timeswitch control and energy monitor package for small shops and offices. Uptake was lower than anticipated.

Measures Summary

LEDs	702
Energy Monitor	4
Savasocket and timeswitches	8

ESB 12 01 LNP Energy Efficiency Lighting Scheme

This scheme assisted customers with energy efficient lighting projects. NISEP funding was utilised for the purchase and final commissioning of the light fitting only. Each fitting utilised high output T5 fluorescent lamps. The scheme was less successful than had been anticipated and cash-flow remains a problem with potential clients despite the availability of NISEP funding.

Measures Summary

Energy Efficient Lighting	60
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PNI 12 12 ONP Variable Speed Drives

This scheme provided commercial customers with a grant towards a range of variable speed drive options including motors for ventilation, water circulation, air compressors and controls upgrades. In total 27 grants were offered to a range of local SMEs. Grant levels were calibrated according to the predicted energy savings for the size and running hours of the VSD to ensure that the scheme achieved the cost effectiveness forecast, with a maximum grant of up to £10,000.

Measures Summary

Variable Speed Drives	27
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PNI 12 14 RNP Solar Water Heating

This solar water heating scheme provided support towards solar water heating installations within commercial premises. It was expected to support approximately 70 commercial properties, but demand for this technology in commercial properties was considerably lower than anticipated, with only two applications received throughout the year.

Originally the scheme was designed to provide grant support of £600 off the cost of a domestic solar water heating system, with funding expected to support over 500 installations. Following the Renewable Heat Premium Payment announcement from DETI, which provides support towards domestic solar water heating installations, it was decided to amend the scheme to provide support for installations within commercial premises.

Measures Summary

Solar Water Heating	2
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PNI 12 15 RNP Solar PV

This Solar PV scheme for non priority properties provided support of £650 per kWp, up to a maximum of £3,000 towards the cost of installing a PV system. This year’s scheme was considerably larger than previous years with over 1.8MW of PV successfully installed and 328 households benefiting across Northern Ireland. System sizes ranged from 1.5kW to 24kW. Installations were carried out by MCS installers who had registered with Power NI and signed up to a code of practice. The scheme was promoted through the Power NI website as well as a network of MCS approved installers across Northern Ireland.

Measures Summary

Solar PV	328
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End.