



Northern Ireland Sustainable Energy Programme Annual Report 2013-14

Prepared by the Energy Saving Trust

1. Executive Summary

This annual report reviews the performance of the 2013-14 Northern Ireland Sustainable Energy Programme (NISEP) schemes, outlining the measures installed, financial benefits to recipients and the energy (GWh) and carbon savings associated.

For 2013-14 the initial NISEP fund was £7,834,111 (as set out in the NISEP Framework) giving an average NISEP customer contribution of £9.28 per electricity customer across approximately 844,412 domestic and business customers. The total NISEP spend at the end of the year was £7,931,744, with extra funding being provided by reallocating the previous year's underspend.

In total, twenty-three schemes were approved. During the year, funds allocated to undersubscribed schemes were redistributed to other more successful schemes to try to maximise in-year spend on energy saving measures.

Table 1 - Summary Outturn Savings

Total lifetime energy savings (GWh)	764.268
Total lifetime carbon saved (tC)	141,116
Gross customer benefits (£)	£103,488,375
Total incentives earned (£)	£235,434

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.

In 2013-14 the NISEP continued to focus on vulnerable customers (known internally as the Priority Sector) who are domestic customers on lower incomes who may be vulnerable to fuel poverty, with £6,267,289 made available at the start of the year for this sector. The remaining £1,566,822 was split between non-priority domestic and commercial schemes and the non-priority innovative schemes category. Any additional funding arising from underspends in 2012-13 was also made available for Primary Bidders to utilise.

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
- Radiator Panels
- Energy use monitors

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 category measures included;

- insulation ‘cash-back’ offers for cavity wall, and loft insulation in the domestic sector
- variable speed drives and variable speed compressors
- Energy Efficient and LED lighting systems
- Solar PV
- Heating Controls
- Heat Recovery Systems

3. Types of schemes in 2013-14

In 2013-14, twenty-three schemes ran and were subsequently completed during the year.. This year saw another new Primary Bidder enter NISEP (Energystore). The tables below summarise the number of schemes per bidder and schemes per category

Table 3.1 - Summary of schemes by Primary Bidder

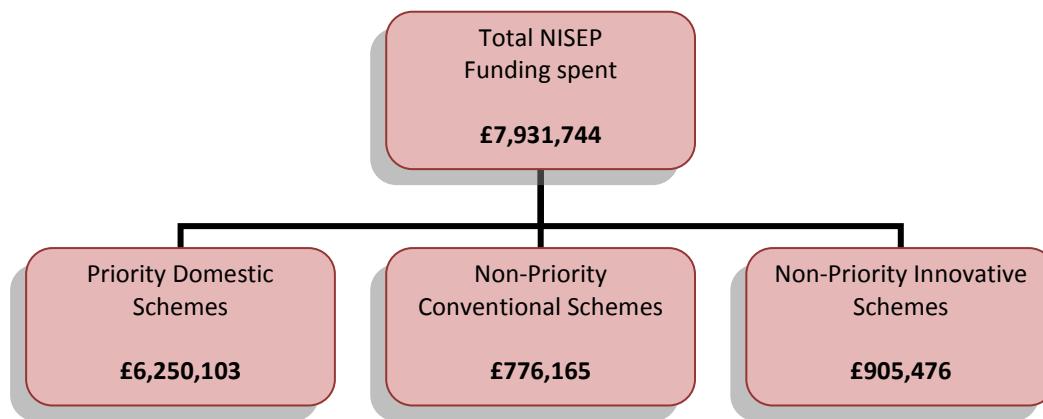
Energia	8
Energystore	1
Electric Ireland (formerly ESB IE)	2
firmus energy	2
Power NI	10

Table 3.2 – Breakdown of schemes by category

Priority Schemes	8
Non-priority conventional	11
Non-priority innovative	4

Table 3.3 below shows how the NISEP funds spent were split between each funding category in 2013-14.

Table 3.3 - NISEP Breakdown of Funding Spent



4. Priority Domestic Schemes

Of the £7,931,744 spent, £6,250,103 was utilised on Priority Domestic schemes (those targeted at vulnerable/lower income), representing 79% of the total funding spent. This figure is slightly less than the 80% ring fenced for priority schemes and is mainly due to an approximate ten percent underspend in the Priority Category (approx. £644,000 of which £554,000 was on schemes delivering insulation measures). The Programme Administrator will continue to monitor scheme progress in the coming year, to minimise in-year underspend by identifying underperforming schemes as early as possible and implementing measures to move funds to other, better performing schemes. Energy savings of 304.788GWh in the priority sector represents about 40 per cent of the overall energy savings. This equates to a lifetime customer benefit of £27,983,279 for the most vulnerable households in Northern Ireland.

In total, priority funding contributed to 32,762 energy efficiency interventions ranging from low energy light bulbs to new high-efficiency gas condensing boilers. Some schemes, such as Toasty Homes Plus and Energy Saver Homes, provided fully funded measures whilst others provided a significant 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	4,594
Cavity wall insulation	1,212
Low energy lighting	19,396

Hot water cylinder jackets	984
Radiator Panels	4,322
Energy Monitors	598
Heating Replacements	1,656
TOTAL	32,762

Table 4.2 – Summary of Heating Replacements

Economy 7 to gas	384
Economy 7 to oil	33
Solid fuel to gas	213
Solid fuel to oil	54
LPG to gas	8
LPG to oil	1
Oil to gas	752
No heating to gas	117
No heating to oil	94
TOTAL	1,656

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

Energy Saver Homes Customers

“I was using coal to heat my house it was quite expensive - I put the oil on when I need it, I have noticed the savings”. “I am delighted with every aspect of the process. Thank you I could not have afforded it.”

Snug Plus Customers

“Very happy with the installation, good job, thank you.” All customers receiving support through the scheme would recommend installing the measures to someone else. *“A great scheme which I have recommended to a friend.”*

Free Insulation Customers

“The house is noticeably warmer and stays warm as a result of the roof space insulation”, “I couldn’t afford insulation without your help. Thank you”. “Overall experience from application to installation was good. We value the financial assistance & support energy efficiency.”

Toasty Homes Customers

“Very pleased with the result”

Toasty Homes Plus Customers

“Our old system needed replaced and the scheme enabled us to do it, we could not have afforded it otherwise”. “I am delighted that we were able to get this scheme as we have seen such a difference”.

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 and this year there was a £400,000 underspend (less than in the Priority Category). 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 which have always been successful in utilising NISEP funds.

Feedback from a customer who availed from the Insulation Cashback scheme

“I noticed an immediate difference in the comfort levels even though it has not been particularly cold and windy weather”.

With the non-priority commercial conventional schemes, there was a significant increase in the installation of energy efficient lighting. Energia’s Fluorescent/ LED and High Bay Lighting schemes proved very successful this year and additional funding was granted to meet the demand of the LED scheme. LEDs continue to be popular as they become a more trusted product and companies are now more likely to try LEDs over other fittings. The cost of fittings would appear to have come down, the reliability of LEDs has increased, and this has led to a greater take up.

This year the innovative non-priority schemes focussed on solar photovoltaics (PV), ‘Climote’ heating controls and LED lighting. The Electric Ireland PV and Power NI LED lighting schemes were commercial programmes and the ‘Climote’ heating controls scheme and solar PV run by Power NI were targeted at the domestic market. Due to falling costs and other government support for renewables this is the last year that renewables were treated as ‘innovative’.

6. Utilisation of NISEP Funding 2013-14

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 lower 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 £
EI 13 01 LNP	Energy Efficient Lighting Scheme	32,016	13.955	2,502	2,416,987
EI 13 02 NNP	PV Panels	156,399	11.81	2,544	1,103,070

ENA 13 01 LNP	High Bay Lighting Enhancement	127,095	62.822	11,703	10,880,804
ENA 13 02 LNP	Fluorescent LED Lighting Enhancement	100,697	56.733	10,899	9,826,210
ENA 13 03 ONP	Hysave LPA system for refrigeration systems	6,685	3.294	609	570,449
ENA 13 04 ONP	Variable Speed Drives	16,821	20.047	3,592	3,472,145
ENA 13 05 LNP	Variable Speed Compressors	78,242	50.492	9,047	8,745,245
ENA 13 06 ONP	Heat Recovery on Compressed Air Systems	17,777	24.526	4,394	4,247,867
ENA 13 07 HNP*	Space & Water Heating Boiler Burner Controls	1,159	1.177	153	141,683
ENA 13 08 ONP	SME Lighting & Control Package	45,310	19.229	3,726	3,330,538
ESL 13 01 I NP	Insulation Cashback Scheme	174,537	60.368	10,824	7,431,300
FIR 13 01 MP	Toasty Homes	925,784	25.219	4,959	1,276,734
FIR 13 02 MP	Toasty Homes Plus	269,316	5.658	1,171	226,495
PNI 13 01 MP	Energy Saver Homes	1,253,805	28.837	6,077	1,158,791
PNI 13 02 MP	Cosy Homes	501,305	39.828	8,414	1,523,158
PNI 13 03 MP	Snug Plus	171,604	11.853	2,470	534,118
PNI 13 04 MP	Snug Plus Oil to Gas	181,464	8.526	1,665	522,295
PNI 13 07 IP	Free Insulation	2,856,411	169.741	28,664	20,852,889
PNI 13 08 IP	Cosy Homes Insulation	90,413	15.126	2,490	1,888,799
PNI 13 09 ONP	Variable Speed Drives	175,827	98.884	18,287	17,126,744
PNI 13 10 LNP	Commercial LED Lighting	65,848	12.825	2,335	2,221,353
PNI 13 11 RNP	Solar PV	673,423	22.352	4,467	3,871,371
PNI 13 12 ONP	Climote Heating Controls	9,805	0.966	125	119,329
TOTALS		7,931,744	764.268	141,116	103,488,375

**remaining funds were returned early due to low uptake*

Figure 6.2 - Lifetime energy savings by category (GWh)

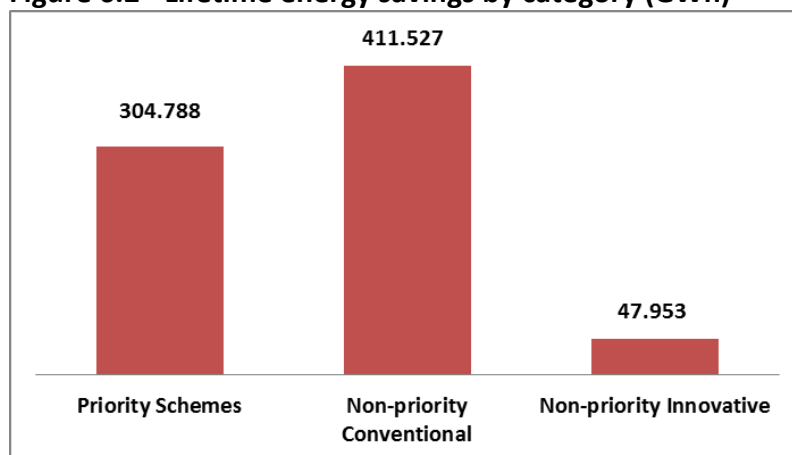


Figure 6.3 - Priority Scheme Cost Effectiveness (p/kWh) (the lower the value, the more cost effective the scheme)

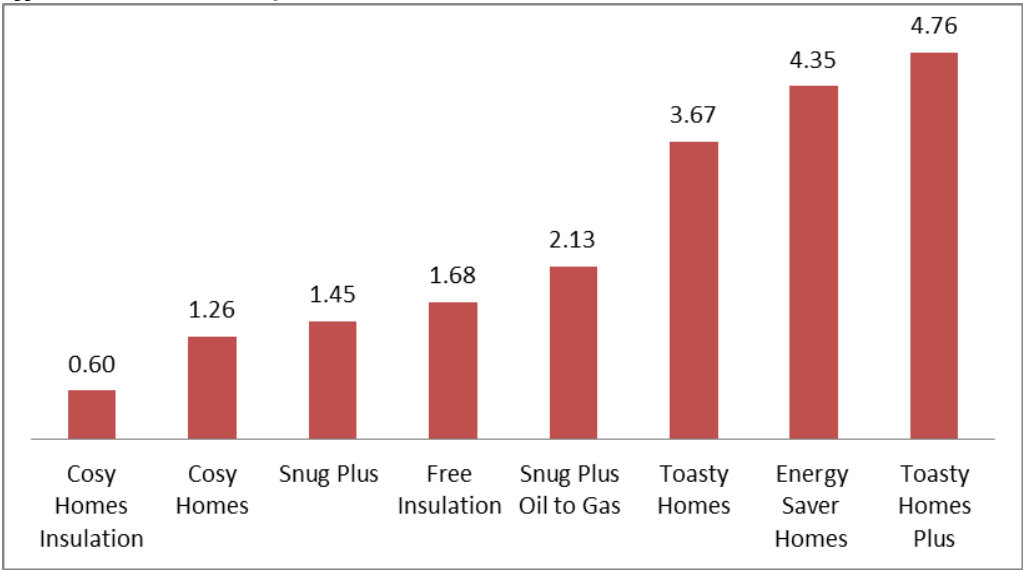
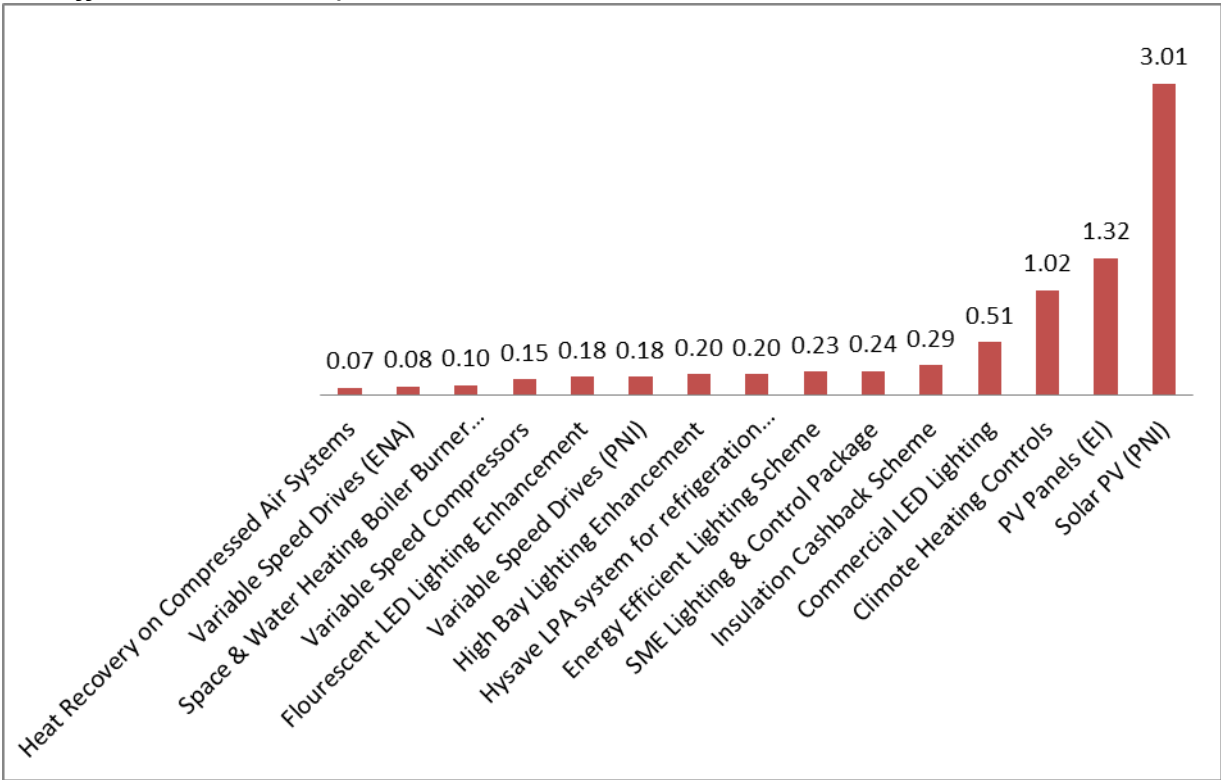


Figure 6.4 - Non-Priority Scheme Cost Effectiveness (p/kWh) (the lower the value, the more cost effective the scheme)



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 target set for each scheme. There is no incentive paid for simply meeting the target.

As a result of exceeding the GWh targets, incentive payments were awarded to each of the Primary Bidders and the total of incentive payments was £235,434. This is summarised in table 7.1 below.

7.1 - Summary of Incentive Payments 2013-14

Primary Bidder	Amount spent (£)	Savings achieved (GWh)	Incentive earned (£)
Energia	393,786	238.320	67,580
Energystore	174,537	60.368	16,734
Electric Ireland (formerly ESB IE)	188,415	25.765	8,717
Firmus Energy	1,195,100	30.877	13,865
Power NI	5,979,906	408.938	128,538
		TOTAL	235,434

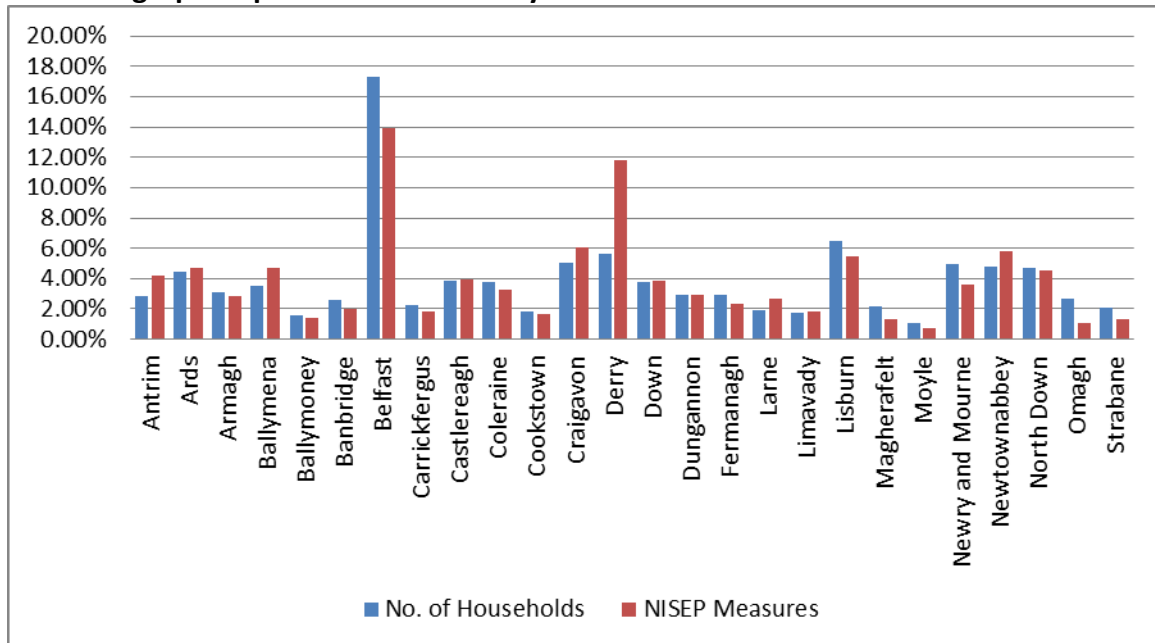
8. Geographical Spread of Measures

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 13-14 NISEP has been uploaded to the database. Table 8.1 below shows the percentage of 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 columns should be roughly equal height as both indicate the data as a % of the national total.

There appears to be a reasonable spread of measures across all council areas, mirroring previous years. However, the Derry City Council area continues to benefit from a higher than average proportion of measures, due to being targeted for gas installations which also attract cavity wall and loft insulation. This may need to be taken into account in future years.

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

	2013-14	2012-13
NISEP funding spent	£7,931,744	£7,836,473
Total lifetime energy savings	764.268GWh	644.375 GWh
Carbon savings	141,116 t	117,112 t
Gross customer benefit	£103,488,375	£84,906,832
Total incentives earned	£235,434	£140,004

Overall, spend was up due to the reallocation of underspend from previous years, the average cost effectiveness improved for the non-priority schemes and there was a significant increase in energy savings. What is also encouraging is that gross customer benefits continue to grow and in 13/14 we saw a considerable increase under the non-priority category to previous years with an increase in solar PV installations, high bay lighting and fluorescents, all of which are very energy efficient upgrades.

10. Conclusions

NISEP continues to attract wide interest with twenty-nine schemes originally submitted, of which six did not receive funding. The overall spend was approximately £100,000 more compared to last year, due to additional funding from the reallocation of previous underspend.

There was a significant increase in energy savings and improved cost effectiveness in the non-priority schemes where there have been significant increases in the installation of

innovative lighting solutions. There has also been a greater uptake in commercial measures than in recent years, most notably with low energy lighting, PV, and variable speed compressors which, in part, increased the gross customer benefit by over £18 million over the lifetime of the measures installed. In total, across all domestic and commercial schemes, there were 55,049 energy efficiency measures installed, including 1,656 new heating systems. Comparing the previous year, when 79,229 measures were installed, the drop is accounted for by the omission of a shower water saving device in 2013-14 which had provided 25,000 measures the previous year.

The gross customer benefit total translates as one pound of NISEP funding provided this year, providing £13.03 of long term energy savings.

Although there continues to be underspend with the non-priority schemes, there was also a similar underspend in the priority sector, with individual measures schemes, in particular, underperforming, resulting in an underspend. There was a marked decrease in the amount of loft insulation and heating systems installed in the priority sector, contributing to the underspend already identified. The Programme Administrator will continue to review closely those schemes that consistently under-perform and seek to move funds to better performing schemes.

November 2014

Appendix 1: Summary of participating NISEP schemes

PRIORITY SCHEMES

FIR 13 01 MP Toasty Homes

This was a priority whole-house solution scheme providing a package of measures for property owners, private and social tenants within the firmus energy natural gas license network area. 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. Additional measures such as reflective radiator panels and electricity energy monitors were offered after completion of heating and insulation works.

This year's scheme exceeded the 444 properties predicted, with 566 households receiving a new energy efficient natural gas heating system in addition to insulation and other smaller measures. firmus energy provided a £300 contribution towards each heating installation and customers provided, on average, a £1,500 contribution towards the heating upgrade.

Measures Summary

Loft Insulation	394
Cavity Wall Insulation	11
Replacement Heating	566
Radiator Panels	1,078
Energy Monitors	524

FIR 13 02 MP Toasty Homes Plus

This was a fully funded priority whole-house solution scheme providing a package of measures to owners, private and social tenants within the firmus energy natural gas license network area. 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 a condensing combination boiler plus insulation measures. The insulation measures included cavity wall insulation and/or loft insulation upgraded to 270mm (up to the value of £800). An energy monitor and radiator panels were also offered.

This year's scheme exceeded the 73 properties anticipated, with 85 heating systems installed.

Measures Summary

Loft Insulation	51
Replacement Heating	85
Radiator Panels	184
Energy Monitors	74

PNI 13 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 via a range of referral partners including Northern Investing for Health council areas, Western HAZ MARA Project, Age NI, CAB and the Power NI Freephone number.

Measures Summary

Loft Insulation	61
Cavity Wall Insulation	21
Replacement Heating	308
Low Energy Lights	1,232
Hot Water Cylinder Jacket	3

PNI 13 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 of up to £1,000 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, 15 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	133
Replacement Heating	445
Low Energy Lights	900

PNI 13 03 MP Snug Plus

Snug Plus 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 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 and bill inserts. The scheme was well received with 93 heating packages provided to vulnerable households most in need.

Measures Summary

Loft Insulation	38
Cavity Wall Insulation	9
Replacement Heating	93
Low Energy Lights	372

PNI 13 04 MP Snug Plus Oil to Gas

The Snug Plus Oil to Gas 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 Freephone number. The scheme was well received with 159 packages provided to vulnerable householders most in need.

Measures Summary

Loft Insulation	57
Cavity Wall Insulation	26
Replacement Heating	159
Low Energy Lights	636

PNI 13 07 IP Free Insulation

Free Insulation installed 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 MARA Project, Age NI, CAB 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 3,689 households with an insulation upgrade.

Measures Summary

Loft Insulation	3,198
Cavity Wall Insulation	1,057
Low Energy Lights	14,756
Hot Water Cylinder Jacket	981
Radiator Panels	3,060

PNI 13 08 IP Cosy Homes Insulation

The aim of this scheme was to install cavity wall and loft insulation in Housing Association properties. A grant of £100 towards each of the insulation measures was provided. Each property received two CFLs and each tenant was given energy saving advice.

This scheme builds upon the successful Cosy Homes whole house solution scheme. All of the Housing Associations registered for the scheme were responsible for identifying properties suitable for the grant and contributing the remaining costs of the measures. This scheme performed largely as expected with 750 insulation measures delivered.

Measures Summary

Loft Insulation	662
Cavity Wall Insulation	88
Low Energy Lights	1,500

NON-PRIORITY SCHEMES

EI 13 01 LMP Energy Efficient Lighting Scheme

This commercial lighting scheme provided a free on-site lighting audit and report produced for the customer, detailing the existing fittings, the proposed replacements and any potential savings. The scheme offered clients wishing to upgrade their light fittings to a more energy efficient design with support of up to 20% of the cost. Funding applications were for the purchase and final commissioning of the light fitting only. Any associated installation costs were paid by the customer.

Measures Summary

Low Energy Lights	1,713
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ENA 13 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 offering a 20% grant per measure. In total, 23 companies availed of the scheme.

Measures Summary

High Bay Lighting	2,348
LEDs	992

ENA 1302 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, 30 companies availed of the NISEP offer.

This scheme was very successful with 16 LED schemes utilising 3,300 fittings and 14 fluorescent schemes with 2,011 fittings.

Measures Summary

LEDs	3,300
Fluorescent Lighting	2,011

ENA 13 03 ONP Hysave LPA system for refrigeration systems

This scheme offered a 20% grant on liquid refrigerant pumping technology for Industrial/Commercial Refrigeration and Air Conditioning Units. Only one project went ahead this year (two measures installed).

Measures Summary

Hysave 2

ENA 13 04 ONP Variable Speed Drives

This scheme offered a 30% grant towards the installation of inverter technology on electric motors to take advantage of the substantial energy savings achieved reducing motor speed. In total 16 VSDs were installed for three companies. Electric Drives are extensively used in most industrial business premises. This scheme targeted Industrial/Large Commercial Users in Northern Ireland with the aim of installing 'Variable Speed Units'.

Measures Summary

Variable Speed Drives 16

ENA 13 05 ONP Variable Speed Compressors

This scheme offered a grant of 20% to replace single speed compressor with a new 'variable speed model' complete with air leak detection, and repair surveys taking advantage of the substantial energy savings achieved reducing motor speed and minimising leaks. In total 18 VSCs were installed across 18 companies.

Measures Summary

Variable Speed Compressors 18

ENA 13 06 ONP Heat Recovery on Compressed Air Systems

This scheme, now in its second year, offered a 50% grant towards the install of 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. In total 4 measures were installed across 3 companies (where 1 company received 2 measures).

Measures Summary

Heat Recovery 4

ENA 13 07 ONP Commercial Space & Water Heating Boiler Burner Controller

This scheme offered a 20% grant towards the installation of innovative advance controls, addressed by introducing a two-stage or 'high-low' control. With this type of control rather than being completely switched on or off, the burner has the option of going to a low firing rate, typically 40% of full capacity, improving boiler efficiency under part-load conditions.

This scheme did not fully allocate the funding available, with one project progressing, installing 2 measures.

Measures Summary

Boiler burner controls	2
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ENA 13 08 ONP SME Lighting & Control Package

This package scheme, in its second year, offered a 20% grant towards LED tubes and lamps, and time-switch control and energy monitor packages, for small shops and offices. 3 companies across 19 sites availed of the offer, installing over 3,000 measures in the form of LEDs, Energy Monitors, Savasockets and Timeswitches.

Measures Summary

LEDs	3,333
Energy Monitor	19
Savasocket	19
Timeswitch	19

ESL 13 01 INP Insulation Cashback Scheme

Scheme aimed at home owners who were offered an 'up-front discount' deal on both cavity wall and loft insulation. The customer received a maximum refund of £150 on the installed costs for each type of insulation. A network of installers across the country ensured nationwide coverage.

Measures Summary

Cavity Wall Insulation	742
Loft Insulation	289

PNI 13 09 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 61 grants were offered to a range of local businesses. Grant levels were calibrated according to the predicted energy savings for the size and running hours of the VSD, with a maximum grant of up to £10,000 or 35% of the total project cost (whichever was the lesser amount) made available.

Measures Summary

Variable Speed Drives	61
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EI 13 02 NNP PV Panels

Photovoltaic scheme for small to medium enterprises offering grants of 20% up to a maximum £3,000 for the installation of PV panels. 56 SMEs installed panels, in many premises, larger systems than the typical 12 – 15 KW systems predicated were installed.

Installations were carried out by MCS installers using MCS approved products. In total 894KWp was successfully installed.

Measures Summary

Solar PV 56

PNI 13 10 LNP Commercial LED Lighting

This scheme promoted the uptake of LED lighting in the commercial sector. For many non-domestic premises lighting accounts for a significant element of energy costs. This scheme aimed to meet the growing demand for LED lighting with a grant of 10% provided to a range of businesses across Northern Ireland. The grant was promoted via the Power NI website and a number of local and very active LED installers and suppliers.

Measures Summary

LEDs 6,868

PNI 13 11 RNP Solar PV

This Solar PV scheme provided support of £600 per kWp, up to a maximum of £3,000 towards the cost of installing a solar PV system. This scheme aimed to install just over 1MW of PV. In total 1.85MW of PV was successfully installed, with 368 households benefiting. System sizes ranged from 2.4kW to 19kW. Installations were carried out by a range of MCS installers using MCS approved products, 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 368

PNI 13 12 O NP Climote Heating Controls

This scheme provided householders with an alternative to the standard heating controls and allowed householders to remotely manage their heating and hot water through Climote. The Climote heating hub is a digital time clock allowing householders to remotely control their heating and hot water from their pocket by text, online or app. This scheme provided a discount of 20% off the cost of a standard installation and supported a total of 107 installations across a variety of properties throughout Northern Ireland.

Measures Summary

Heating Controls 107

End.