

GALWAY WASTE PREVENTION PROGRAMME

COMMUNITY INITIATIVE

This initiative was based on working with stakeholders in various communities to aid and assist them in improving their environmental performance.

PARTICIPANTS

- Schools
- Community Council's
- Local area Co-Operatives
- Tidy Town Groups
- Householders

PREVENTION TOOLS

- Waste, energy and water audits
- Survey analysis
- Monitoring and Evaluation
- Follow-up mentoring

PERFORMANCE INDICATORS

QUALITATIVE INDICATORS	IMPROVED PRACTICES
<ul style="list-style-type: none">• increased awareness• increased knowledge• increased queries / requests for information• improved attendance at meetings• improved survey response• increased enthusiasm	<ul style="list-style-type: none">• improved shopping practices• increased use of CFL bulbs• disposal of less food waste• using reusable containers• composting of organic waste• submitting actual electricity readings• monitoring water usage

KEY PERFORMANCE INDICATORS

KEY PERFORMANCE INDICATOR	RESULT*
€ saved in community	€32,000
kg of waste prevented	10,000 kg
kWh of energy saved	34,000 kWh

* Average household figure amalgamated



Caherlistrane-Kilcoona Participants

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GALWAY WASTE PREVENTION PROGRAMME

PUBLIC SECTOR INITIATIVE

PARTICIPANTS

- Galway County Council
- Galway City Council
- Údarás Na Gaeltachta
- Acadamh na hOllscolaíochta Gaeilge

KEY PERFORMANCE INDICATORS

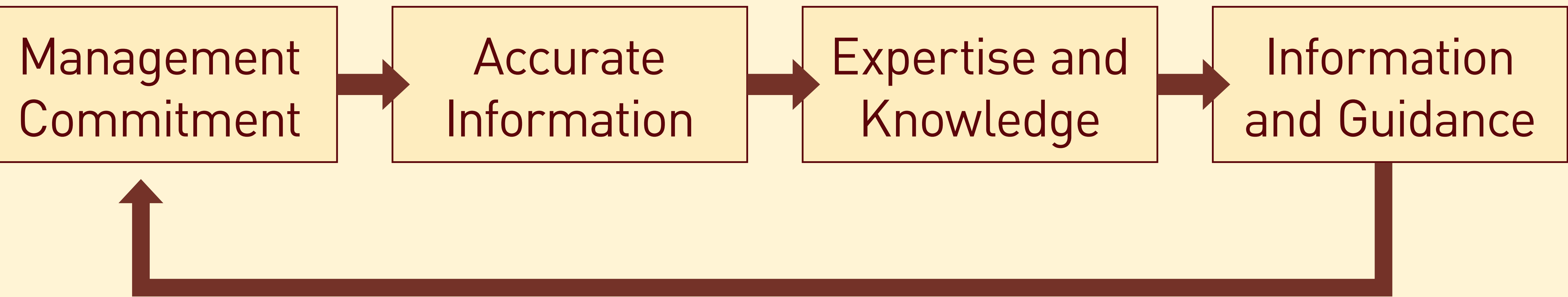
KEY PERFORMANCE INDICATOR	RESULT
€ saved in environmental costs	€37,000
Kg waste prevented	8,000 kg
kWh electricity saved	155,000 kWh
Participating staff	644

ACHIEVEMENTS

- Improved waste management practices
- Options for prevention identified
- Green Teams established
- Energy management teams established
- Water conservation programmes initiated
- Intranet site established
- Training and awareness implemented

CONTRIBUTION TO SUCCESS

To successfully implement prevention in business you need the following:



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RETAIL CASE STUDY

This case study is based on a large supermarket with an average daily customer base of 3,200, floor area of 2,000m² and staff complement of 120.

WASTE MANAGEMENT

During 2008, 181 tonnes of waste was generated by this supermarket, 26% less than the same period during 2007 through:

- increased knowledge of waste arising
- improved existing waste segregation practices
- removal of compactor
- improved efficiencies in food preparation
- delivery containers returned for reuse
- decanting directly into cold rooms
- education and awareness

ENERGY MANAGEMENT

The supermarket reduced energy consumption from 708 kWh/m² in 2007 to 695 kWh/m² in 2008 through:

- Improved housekeeping
- Energy management programme implementation
- Refrigeration maintenance
- Establishment of green team

OUTPUTS

Kg of waste / footfall	2007	0.17	708	1.44
kWh / m ² ltrs of water /m ² / yr	2008	0.13	695	1.32

CAPACITY BUILDING

Capacity in resource efficiency and prevention was successfully built amongst staff through a series of powerpoint training sessions, the establishment of a green team, distribution of specific relevant information, circulation of good practice posters and commitment and encouragement of management.



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INTRODUCTION

This case study is based on a fish processing plant located in the Connemara area of Co. Galway. The facility operates approximately 240 days per year with a staff complement of 35. Production typically varies from 45 – 175 tonnes per week.

WASTE MANAGEMENT

During 2008, 19 tonnes of waste was generated by the processing facility, 30% less than the same period during 2007 through:

- Removal of skip
- Education and awareness campaign
- Improved practices on-site
- Increased level of staff participation

ENERGY MANAGEMENT

The processing plant has successfully reduced their energy consumption from 152 kWh/m²/yr in 2007 to 102 kWh/m²/yr in 2008 through:

- Energy management plan
- Improved housekeeping
- Power factor correction
- Refrigeration maintenance
- Improved use of night rate
- Repair seals on chills etc.

WATER CONSERVATION

Following the installation of water restrictors and improved water management in general, water use has reduced in this processing plant from 17,000 m³ in 2007 to 10,000 m³ in 2008 through:

- Fitting aeration nozzles
- Submetering
- Investigating water use in transportation



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BUSINESS SECTOR INITIATIVE

The Galway Waste Prevention Programme aimed to identify and implement options for best practice in relation to resource efficiency and prevention in the workplace. The programme focused on:

- Cleaner production
- Capacity building
- Training and awareness
- Identification and implementation of best practice

KEY PERFORMANCE INDICATOR	RESULT
€ saved in environmental costs	€201,000
kg of waste prevented	150,000 kg
m³ of water saved	8,000 m³
kWh of energy saved	490,000 kWh
Number of companies participating in training	20

SUCCESSES OF THE PROJECT INCLUDE:

- Interested business participation
- Significant waste prevention achieved
- Increased environmental awareness in the business community
- Technical training delivered
- Significant energy savings achieved
- Guide to improving environmental performance in business published



Recipients of the Green Hospitality Award,

Eimear Killeen of Glenlo Abbey Hotel and Paul O’Hora of the Galway Bay Hotel with James Hogan of the GHA scheme.

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PREVENTION IN ACTION

In addressing resource efficiency and prevention, it is important to consider the following:

BECOME FAMILIAR WITH YOUR ENVIRONMENTAL ISSUES

- Know what your waste, energy and water expenditure is by examining your invoices
- Place information on a data sheet

ESTABLISH AN ENVIRONMENTAL IMPROVEMENT PROGRAMME

- Develop a plan
- Designate a staff member

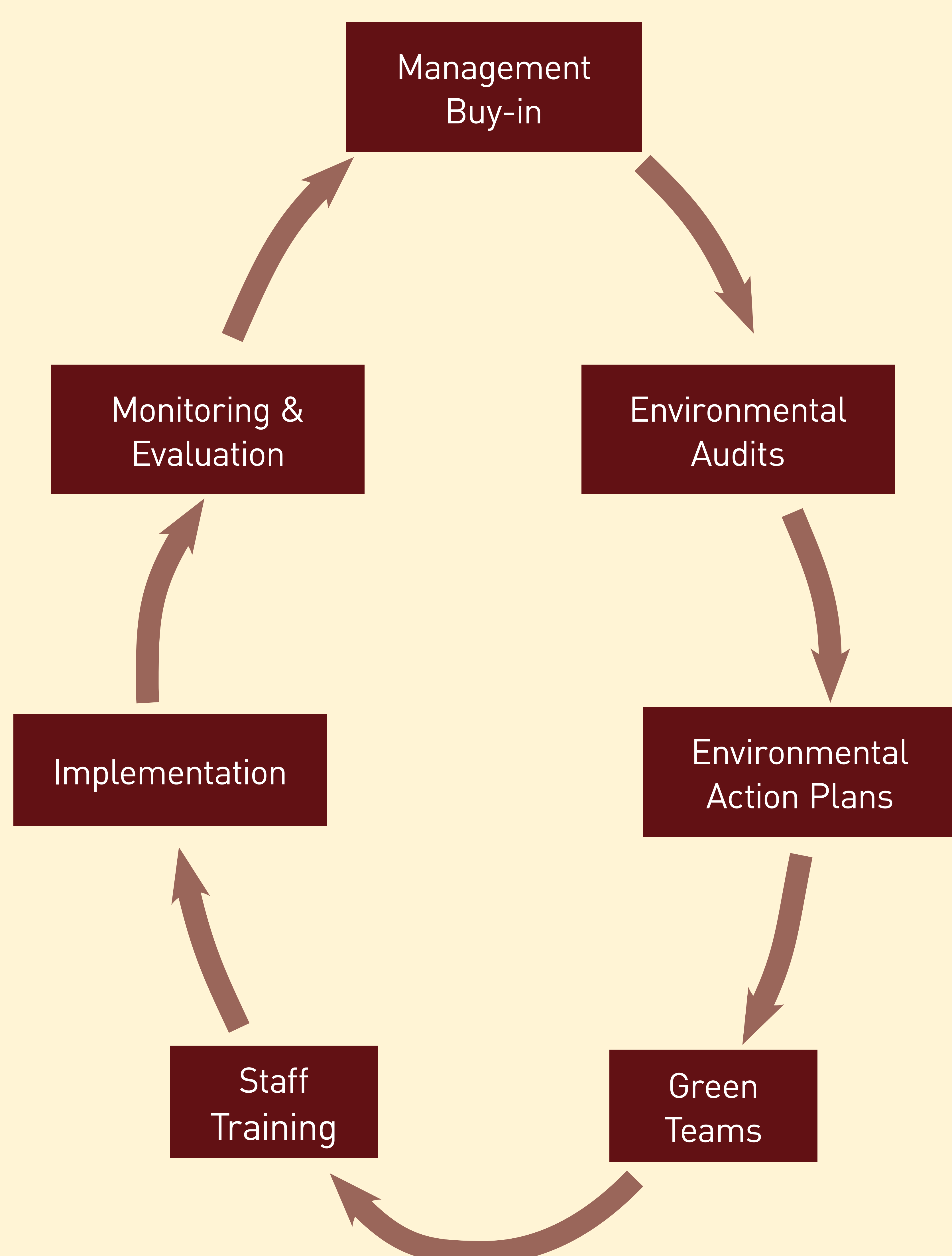
INVOLVE STAFF

- Introduce environmental awareness to your staff
- Include environmental issues in your staff training
- Seek suggestions from employees
- Have competitions for employees

BE CREATIVE

- Use visual tools like charts and graphs to highlight progress
- Keep environmental issues on the agenda
- Use communication tools like email, newsletters and notice boards to highlight progress

STRUCTURED APPROACH



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GALWAY WASTE PREVENTION PROGRAMME

The Galway Waste Prevention Programme developed various guidelines that facilitated the implementation of good practice in relation to prevention and resource efficiency, which culminated in a successful prevention programme.

PREVENTION PROGRAMME TOOLS

- Waste, energy and water audits
- Waste characterisation studies
- Desktop analysis of bills – waste, energy and water
- Production of prevention reports and improvement programmes
- Training and awareness
- Monitoring and evaluation
- Follow up advice and mentoring

Significant savings have been made following the guidance, implementation and adaptation of the programme tools by participants:

PROJECT PERFORMANCE INDICATORS

KEY PERFORMANCE INDICATOR	RESULT
FINANCIAL SAVINGS	€270,000
Savings in public sector	€37,000
Savings in business sector	€201,000
Savings in community sector*	€32,000
TOTAL WASTE PREVENTED	168,000 kg
Waste prevented in public sector	8,000 kg
Waste prevented in business sector	150,000 kg
Waste prevented in communities*	10,000 kg
TOTAL m³ WATER CONSERVED	9,000 m³
m³ water conserved public sector	1,000 m³
m³ water conserved business sector	8,000 m³
TOTAL KWH OF ENERGY SAVED	679,000 kWh
kWh of energy saved public sector	155,000 kWh
kWh of energy saved business sector	490,000 kWh
kWh of energy saved community sector*	34,000 kWh

* Average household figure amalgamated



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CLÁR COSC DRAMHAÍOLA NA GAILLIMHE

PÁIRTÍTHE

- Comhairle Chontae na Gaillimhe
- Comhairle Catharach na Gaillimhe
- Údarás na Gaeltachta
- Acadamh na hOllscolaíochta Gaeilge

TÁSCA IRÍ LÁRNACHA AR FHEIDHMÍOCHT COMHSHAOIL

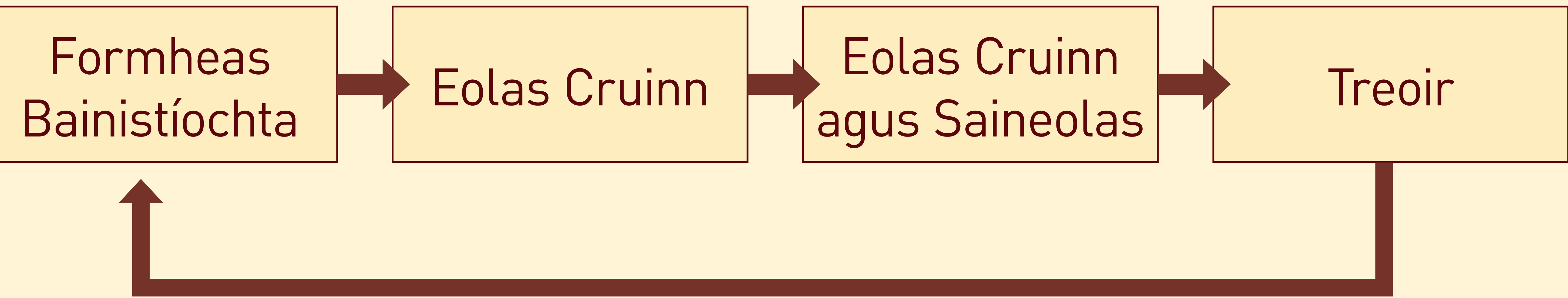
TÁSCAIRE LÁRNACH FEIDHMÍOCHTA	TORADH
€ sábháilte maidir le costais chomhshaoil	€37,000
kg de dhramhaíl coiscthe	8,000 kg
kWh de leictreachas coiscthe	155,000 kWh
Baill foirne rannpháirteacha	644

FORBAIRTÍ

- Rinneadh feabhsúcháin ar nósanna
- Roghanna cosc a aithint
- Bunaíodh foirne glasa
- Bunaíodh foirne um bainistíocht fuinnimh
- Cuireadh tús le clár um chaomhnú uisce
- Bunaíodh suíomh inlín
- Oiliúint agus feasacht

CONTRIBUTION TO SUCCESS>>IRISH

Chun cosc a chur i bhfeidhm i ngnó teastaíonn an méid seo a leanas:



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