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www.hse.ie/sustainability





Feidhmeannacht na Seirbhíse Sláinte
Health Service Executive

HSE Estates - Climate Action & Sustainability Office

Climate change
and health

Energy efficiency

Water
conservation

Waste prevention

Sustainable
transport

Green
procurement

Designing the built
environment

[www.hse.ie/
Sustainability](http://www.hse.ie/Sustainability)



Oifig um
Sholáthar Rialtais
Office of Government
Procurement



SUSTAINABLE
ENERGY AUTHORITY
OF IRELAND

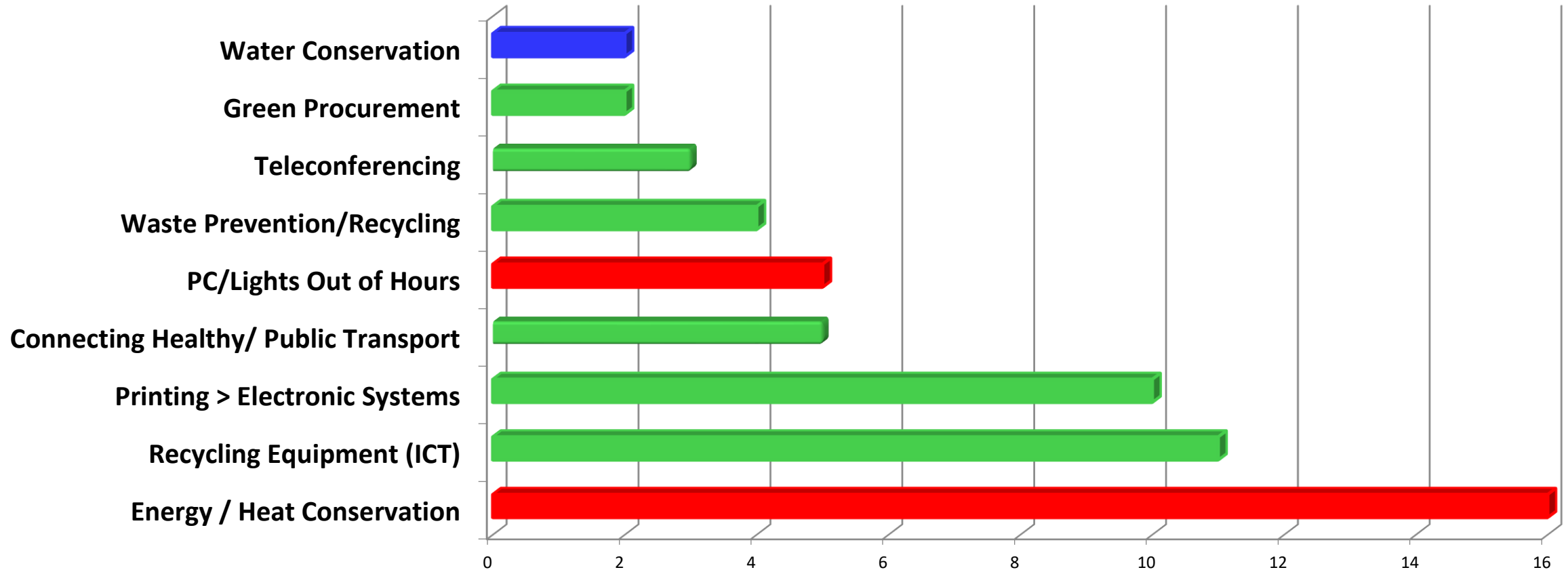


Environmental Protection Agency



Údarás
Náisiúnta Iompair
National Transport Authority

HSE Estates National Sustainability Office (Origin)



HSE Estates Climate Action & Sustainability Office



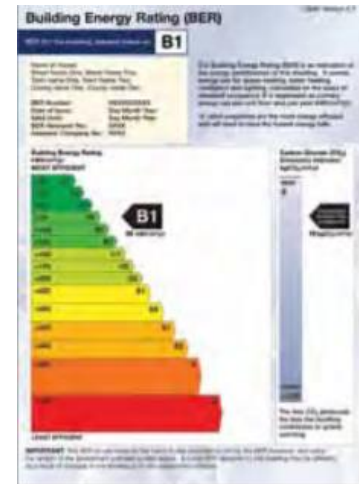
- National Director: Dean Sullivan Chief Strategy Officer
- Report to the HSE Board



Climate Action Plan/Legislation (2019/2021)

Targets 2030:

- 50% improvement in energy efficiency
- 50% reduction in **absolute** energy-related GHG's
- All buildings must have B Building Energy Rating (BER)
- Carbon Neutral by 2050



HSE Estates Climate Action & Sustainability Office

1. Climate Action – Kevin Sheridan



Kevin Sheridan · 1st
Estate Manager at Health Service Executive

2. Climate Change Infrastructural Resilience – Michael Quirey



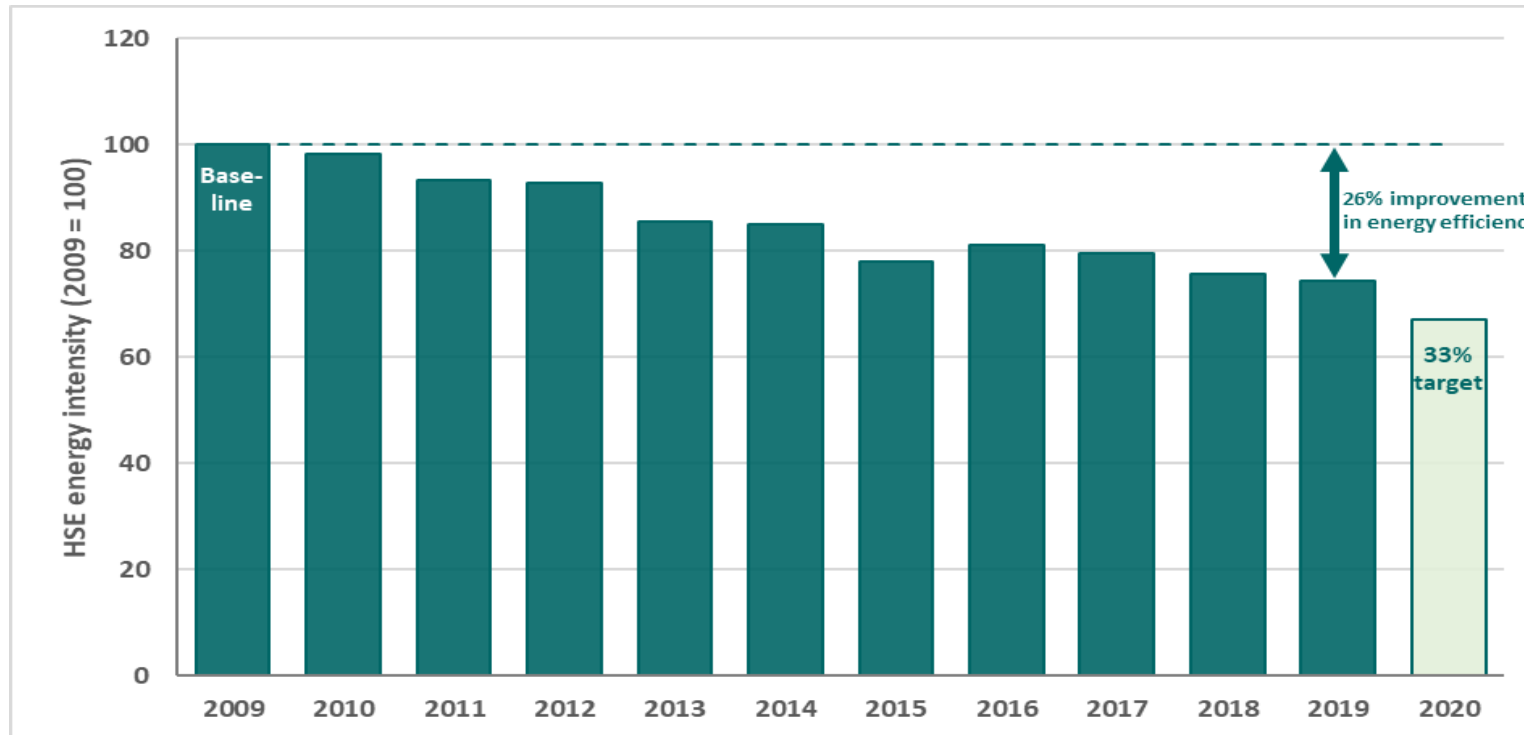
3. Sustainability (Green Healthcare) -



Helen Maher
Estates Mgr Sustainability HSE

Health Sector Progress – 2020 – 33% Reduction Targets

Figure 1: Improvement in HSE energy efficiency energy intensity 2009-2019



Baseline year 2009

Target 33% energy reduction

Result = 26% Improvement based on 2019 figures.

Climate Action – Energy Bureaus



- 3 x Regional Energy Bureau's; East, West & South
- Funded in Partnership with SEAI since 2018
- Fund HSE Energy Officer Nationwide (13)
- Establish Green Teams in Acute Hospitals (60%)
- Energy Efficiency Supports i.e. Training etc.
- Fund HSE Estates Energy Efficiency Works:
- 2020 - €4m = 91 Projects = payback <3 yrs
- 2021 - €5.8m i.e. Lighting/Insulation projects etc.



Energy Bureaus – Dedicated Energy Officers



Reduce Energy Usage through



Energy Management

Embedding best practices into the day-to-day activities of staff



Energy Teams

Supporting existing, and establishing new energy awareness teams



Behavioural Change

Achieving 5-10% energy reductions through behavioural change

Progress Energy Projects through



Project Identification

Identifying energy efficiency projects for implementation



Project Support

Providing project development support and funding



Energy Efficient Design

Promoting the Energy Efficient Design (EED) of new builds

Optimising Power @ Work



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OF IRELAND

Energy Training Options 2021 / 2022



CARBON BASICS

**Introductory training to
carbon basics (3 Hrs)**

**Current plan to record 1 or 2
sessions and make available to
new Green team members etc.**

**Target Audience
Green Team/Energy Team**

ENGAGING PEOPLE

Energy Awareness Training

**Provides structured package of
awareness resources
specifically tailored for
healthcare settings.**

**Target Audience
Green Team/Energy Team**

Scale of the Challenge – Building Stock



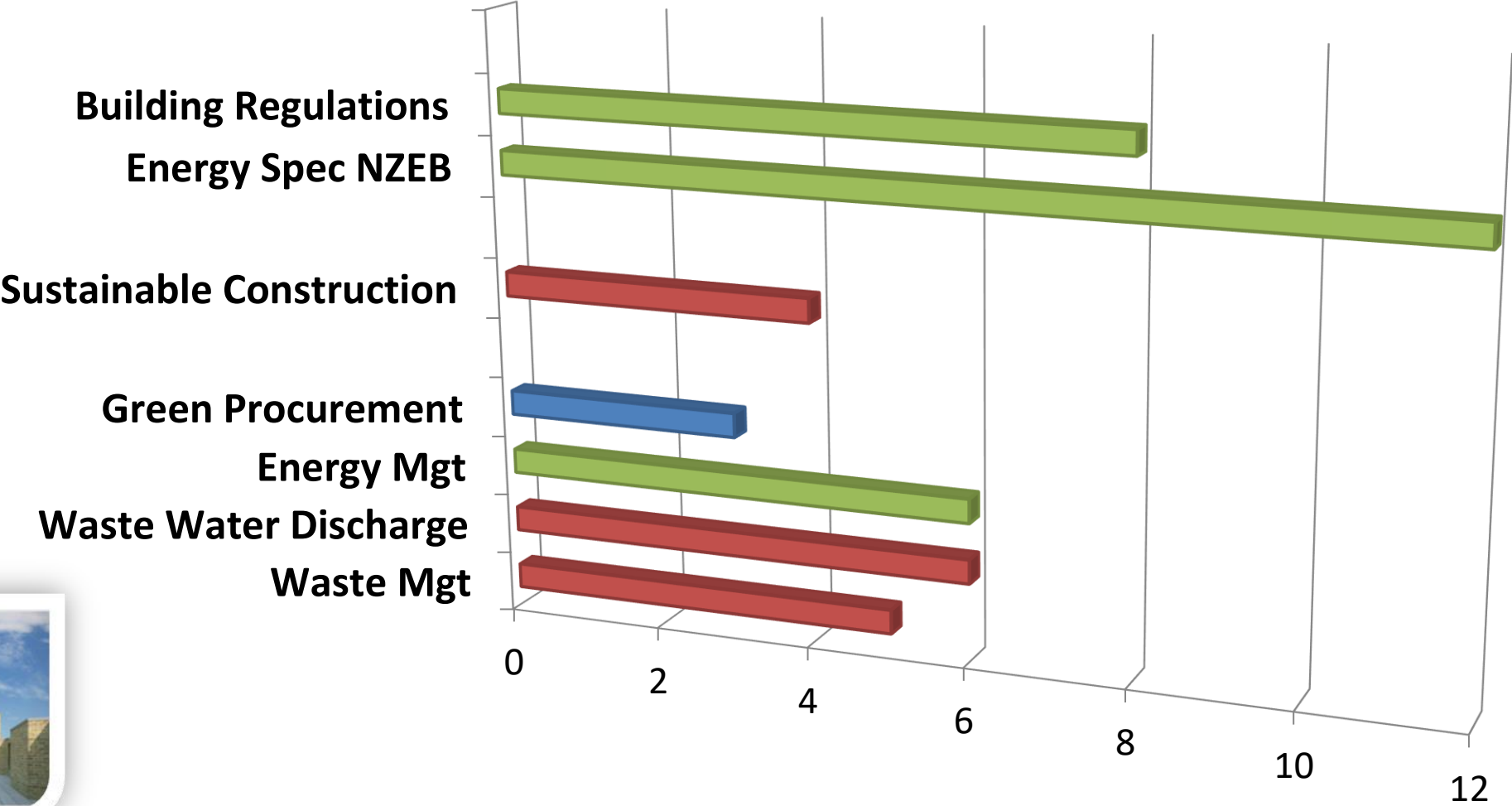
1. Existing Health Buildings

- Annual Energy Spend 2019 of €65m
- Approx. 2,500 facilities nationwide
- **Top 133 No. Facilities account for 73% total consumption**
 - Acute & Top Energy Users – 1.8m m2 building floor area
 - Community Facilities – 1.2m m2 floor area
- **Refurbish to BER B Standard**

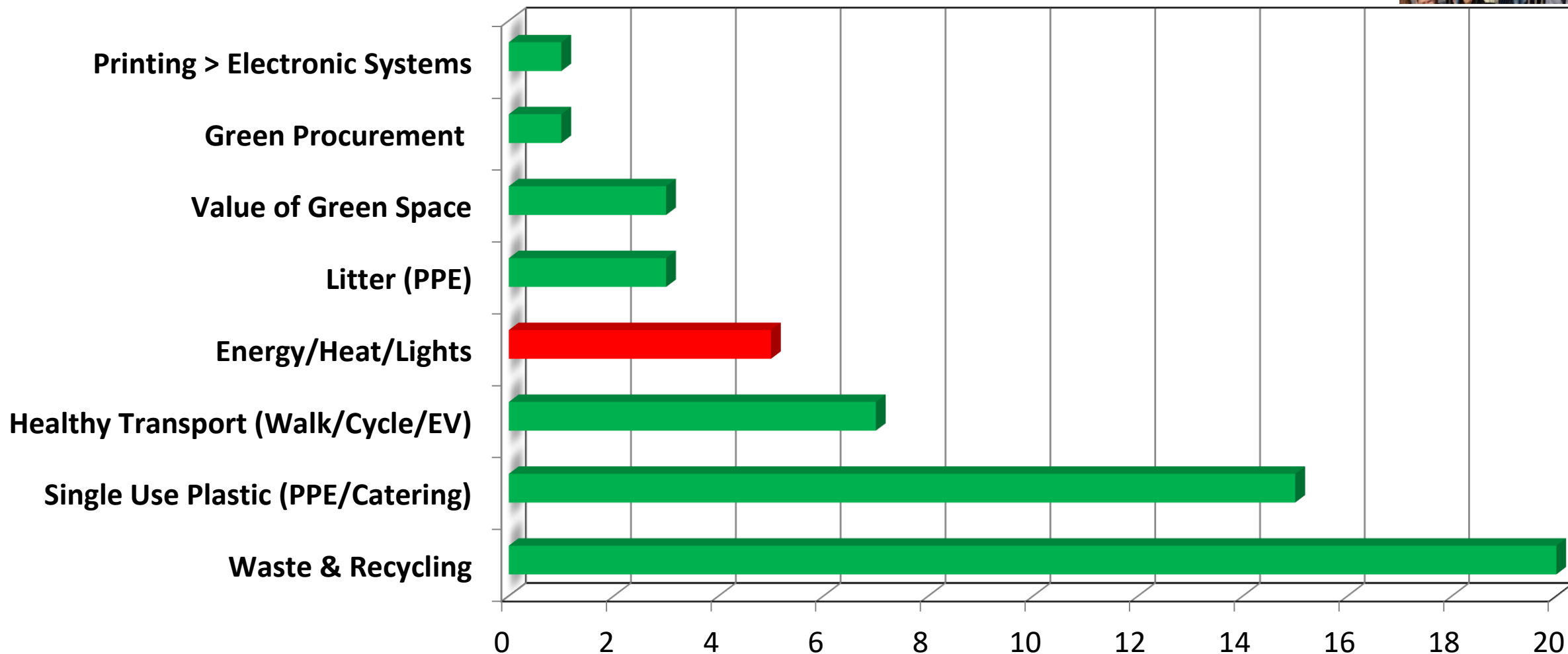
2. New HSE Facilities / Capital Plan – Additional 0.8m m2 floor area

Sustainable Healthcare Buildings

44 Legal Obligations








Cork University Hospital – Public Survey Healthcare Sustainability Priorities?





- Office Government Procurement
- Green Public Procurement – Mandatory 2023

10 Key Categories

 <p>Road transport vehicles and services</p>	 <p>Indoor and outdoor lighting</p>
 <p>ICT products and services (including data centres)</p>	 <p>Heating equipment (including boilers, cogeneration, trigeneration and heat pumps)</p>
 <p>Food and catering services</p>	 <p>Energy-related products (white goods/appliances, electronic displays, vacuum cleaners)</p>
 <p>Cleaning products and services</p>	 <p>Paper products and printing services</p>
 <p>Design, construction and management of office buildings</p>	 <p>Textile products and services (including uniforms and laundry services)</p>

EPA FUNDED ONLINE TRAINING FOR PUBLIC PROCUREMENT OFFICERS

- **HSE is Irish Water's 2nd Largest Customer**
- **Irish Water Charges Increase 1st October 2021**
- **Green Healthcare - Water Efficiency Guidance**
- **Water Conservation Training (Online) for Green Teams**





- **EPA Reported Healthcare Risk Waste Hospitals - 24% increase (Q2 2020)**
- **Steri-cycle Online Segregation Training**
- **Steri-cycle Web Portal – Hospital Specific Risk Waste Reports..**
- **Acute Hospitals Bio-Systems (Reusable)**
- **Hospital Specific Waste Officers.....**
- **New Regional HSE Estates Sustainability Officers (to Support Acute Green Teams)**





Feidhmeannacht na Seirbhíse Sláinte
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Acute Sustainability Accreditations



Acute Academic Teaching Hospitals - Green Campus Flags

1. **Cork University Hospital (Accredited)**
 2. **Sligo University Hospital (Accredited)**
 3. ***St. James Hospital (Registered)***
 4. ***South Infirmary Victoria University Hospital (Registered)***
 5. **Mater University Hospital**
 6. **St. Vincent's University Hospital**
 7. **Beaumont University Hospital**
 8. **Limerick University Hospital**
 9. **Waterford University Hospital**
 10. **Galway University Hospital**
- **National Maternity Hospital – ISO 14001 Environmental Accreditation**
 - ***St John of God Hospital Stillorgan (Registered)***



