



Resource Efficient Facilities

Introduction for Scottish Golf Clubs



Scottish
Golf

Resources Challenges



There are increasing challenges regarding the resources we are using in our golf facilities:

- The cost of utilities and services, catering and office supplies, course maintenance products and equipment and infrastructure investment is ever increasing, at a time when many golf clubs are under financial pressure and we have a somewhat volatile economy.
- We also have increasing government legislation and targets regarding how we use our resources and for some products, legislation could lead to a future availability and scarcity risk.
- Our golfers and the general public also have increased expectations for resource use, recycling and plastics so it is also important our clubs demonstrate good environmental stewardship and efficient use of members fees.

Resources Opportunities



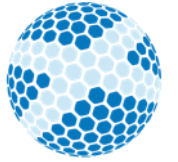
By joining the [Scottish Golf Buying Group](#) to review your procurement contracts, adopting a sustainable purchasing policy or investing in alternative renewable sources, your club's operational costs can be reduced.

By minimising consumption and efficiently managing resources such as energy, water, materials and waste recycling you can further substantially reduce the operating costs of your club.

Paying less and using less can therefore help your club provide better value for money to your members and customers.

Working in partnership with [Resource Efficient Scotland \(RES\)](#), LED lighting experts [Juice](#), and electric car charging company [Forev](#), Scottish Golf can help clubs access best practice guidance, expert advice, government support and funding to make resource efficiency improvements.

Reduce club operating costs



Scottish
Golf

Pay Less

Use Less

Waste Less

Scottish Golf Buying Group

Utilities Contracts
Telecoms
Food procurement
Professional
consultancy services

Resource Efficiency

Energy Efficiency and
Renewables
Water Conservation –
Clubhouse and Course
Irrigation
Efficient Use of Materials, Golf
Course Products, Machinery
and Fuels

Sustainable Purchasing
Waste Minimisation
Clubhouse recycling
Food Waste
Golf Course Green
Waste

Energy Efficiency

OPTIMISE

LED lighting – 50-80% <running costs, increased quality and lifespan.

Low energy A Rated equipment and fittings.

Regular servicing of equipment and machinery.

CONTROL

Lighting and heating controls; timers, sensors, dimmers, thermostats, staff training.

UPGRADE

Heating and insulation improvements; efficient boilers, radiators, pipes, roof and wall insulation, double glazing.

Efficient appliances and equipment. Hybrid and electric vehicles and machinery. Sustainable Transport.

ALTERNATIVE SOURCES

Renewable Energy; solar, wind, biomass, air/ground source heat.



Water Conservation

OPTIMISE

Fix drips and leaks, pressure reduction, flow rate reduction, foam soap.

CONTROL

Water saving devices in showers, toilets, tap sensors or timers.

Irrigation controls, leak detection, servicing, calibration, sprinkler optimisation.

Turf agronomy; promotion of finer grasses that require less water and chemicals, thatch management, soil analysis and use wetting agents.

UPGRADE

Tap aerators, low or dual-flush cisterns, efficient showers and appliances.

Automated irrigation system.

ALTERNATIVE SOURCES / RECYCLE

Water abstractions, greywater recycling, rainwater harvesting.

Machinery washwater; recycled systems, discharge effluent to soakaways.



Materials & Waste Minimisation

REDUCE

Sustainable Purchasing Policy; optimise ordering quantities, local products to reduce deliveries, choose recycled/recyclable products, minimal packaging, lease or share machinery.

Reduce office waste through paperless policy and printer settings.

Food waste prevention and reduce single use plastic.

Turf and soil monitoring, integrated pest management and cultural turf management to reduce need for plant protection products.

REUSE

Repair and reuse, refillable/returnable packaging.

RECYCLE

Correct separation of recyclable materials, recycling optimisation (bin sizes and uplift frequency, training, green waste management and on-site composting).



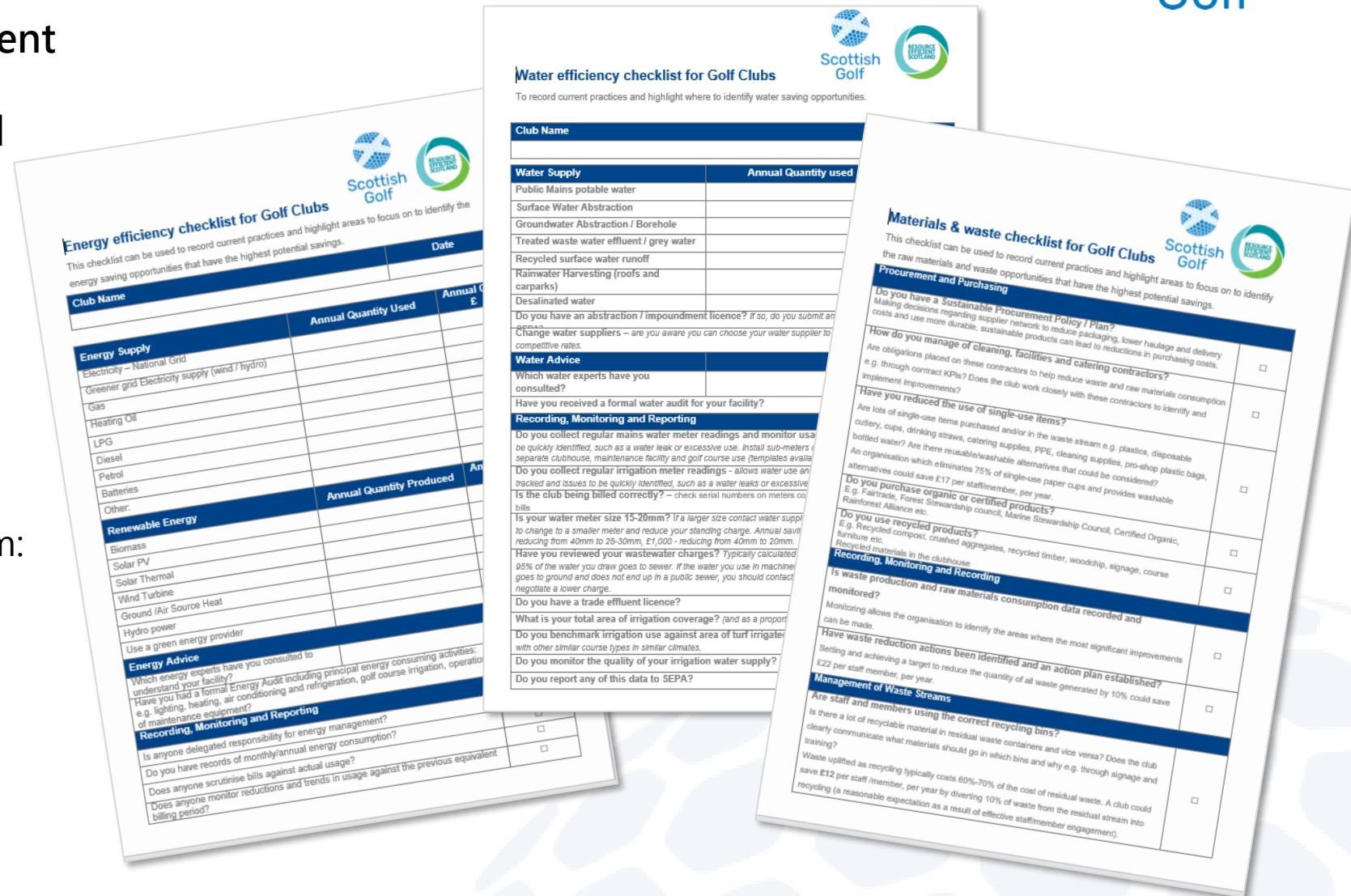
Further Support

Contact Carolyn Hedley, Environment and Sustainability Manager for information and support tools and templates:

- Resource Efficiency Checklists
- Resource Data recording sheets
- Resource Efficiency Training – Online HIVE Learning

Support accessing external support from:

- [Resource Efficient Scotland \(RES\)](#),
- [Juice](#) LED lighting experts



The image displays three overlapping checklists from Scottish Golf, designed to help golf clubs improve their resource efficiency. Each checklist includes the Scottish Golf logo and a brief introduction explaining its purpose.

Energy efficiency checklist for Golf Clubs
This checklist can be used to record current practices and highlight areas to focus on to identify the energy saving opportunities that have the highest potential savings.

Water efficiency checklist for Golf Clubs
To record current practices and highlight where to identify water saving opportunities.

Materials & waste checklist for Golf Clubs
This checklist can be used to record current practices and highlight areas to focus on to identify the raw materials and waste opportunities that have the highest potential savings.

The checklists are organized into sections with various questions and checkboxes. The Energy checklist covers topics like Energy Supply, Renewable Energy, and Energy Advice. The Water checklist covers Water Supply, Water Advice, and Recording, Monitoring and Reporting. The Materials & waste checklist covers Procurement and Purchasing, Recording, Monitoring and Reporting, and Management of Waste Streams.

Carolyn Hedley

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www.scottishgolf.org/club-development/environment/

@EnvironmentGolf #sustainablegolf



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