

HUMBERSTONE GOLF COURSE

Water Efficiency Measures

Humberstone Golf Course has an automatic irrigation system for watering the course during dry summer weather. However, the roofs of the clubhouse buildings present a good opportunity for collecting rainwater to supplement the mains water supply. There is also an old existing chamber beneath the courtyard which has been brought back into use for storage of this rainwater. A pump has been installed here with a float valve and filter. Now, when the irrigation system is switched on, controlled priority is automatically given to any stored water from the chamber before using the mains supply.



Evaluation

The site uses approximately **4,000** cubic metres of water a year and this is being reduced by about **20%** due to the new system for irrigation. The capital outlay of **£5,000** should be recovered in about five years through lower metered water costs.



Conclusion

This project benefited from the presence of a disused storage facility, which was recommissioned without difficulty. But it demonstrates the possibilities of recycling rainwater to good effect for everyday usage. There is no need to use fresh mains water just to keep the grass growing.

It is planned to extend this type of project to other large users of water, such as Council swimming pools in the future. The project was nominated for an Environment Agency Award 2001.