

TADLEY SWIMMING POOL: BASINGSTOKE

Upgrading works due to commence in 2014

An outline of the project proposals supported through the Lottery Improvement Fund are set out below. These will be followed through to post completion to assess the benefits of the range of interventions, new products and technologies.

New features

Environmental improvements will include:

- LED (light emitting diode) lighting to swimming pool and other areas
- Improved accessibility and user experience within the changing village including a larger disabled changing room and new accessible lockers
- New sanitary fittings in changing areas to reduce water consumption

The 25 metre pool at Tadley is run by Basingstoke and Deane Community Leisure Trust and offers a range of swimming / fitness classes suitable for all abilities. The centre also provides a health suite for its members and visitors including a sauna, steam room and jacuzzi.

Sport England awarded the club £150,000 towards an overall budget of £227,421 to bring environmental and accessibility improvements and energy cost savings to the centre. The money, made available through Sport England's Improvement Fund, will be used to install LED lighting and water saving initiatives. It will also be used to improve accessibility and user experience within the changing village. The environmental upgrades are anticipated to save £12,000 on energy costs for the club per annum.

Bright future

The trust has estimated that significant savings in annual energy costs will be achieved through replacing fluorescent lighting with LED lighting in the swimming pool area and generally throughout the centre.

Sustainable features

LED lighting has a number of features that will benefit the facility.

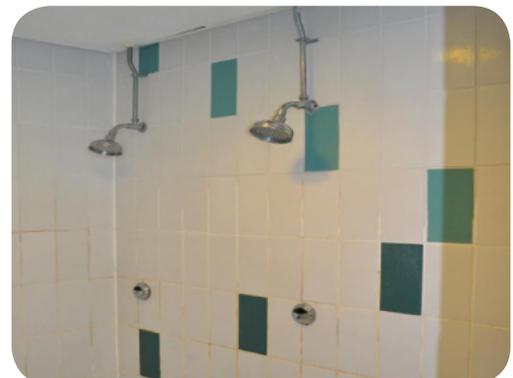
- **Saving money** – The increased efficiency of LED lighting is anticipated to make the total lifetime cost (purchase price plus cost of electricity and lamp replacement) significantly lower than metal halide lighting. Although the initial purchase price is higher, the payback period is significantly shorter due to reduced maintenance requirements and energy consumption.
- **Reducing maintenance** - A typical LED light is stated to have an 'average life' of 20,000 hours (15 years at 4 hours/day), and will support 50,000 switch cycles. This will significantly reduce the overall maintenance costs since each metal halide bulb is currently changed a minimum of once a year.



25 m swimming pool and spectator areas



Existing lighting to be replaced with LED's generally



New sensors on showers to reduce water use

- **Instant start up** - Metal halide bulbs require up to 15 minutes to fully warm up and reach optimum brightness when the gases burn at a high temperature. In addition, when power is lost, a metal halide bulb cannot be restarted until the ignition unit has cooled down which can typically take 10-15 minutes. LED lights have no such requirements for warming up or cooling down and can be easily switched off when the facilities are not in use.

Water saving initiatives

The Trust is adopting measures to reduce the amount of water used within the changing village. This will be achieved by installing dual flush toilets which save at least six litres of water with every flush when compared to conventional single flush toilets. Waterless urinals and sensors on showers and tap fittings will also be installed which will limit unnecessary water use.

Upgrading the facilities

As part of the project, the Trust plan to renovate their changing village to provide better facilities for both disabled and able-bodied customers. Accessibility throughout the changing village will be improved, with a larger disabled changing room and both full-height and wheelchair-accessible lockers.



New LED lighting to the swimming pool hall

“
**... the works will improve accessibility
and sustainability in the centre for years
to come...**
”

Facility Manager
Basingstoke and Deane Community Leisure Trust

Between 2012 and 2017...

the Improvement Fund will invest £45m of National Lottery funding into medium-sized projects that improve the quality and experience of sport.

The Improvement Fund aims to award capital grants worth £150,000 to £500,000 into sustainable projects with a clear local need.

The priorities for 2014 are projects that can clearly demonstrate environmental sustainability through changes to efficiency and usage of energy.

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