

Public Lighting Upgrade

Laois Public Lighting



Public lighting is source of large spending for Laois County Council, because of a large electricity demand. However, after successfully upgrading their public lighting, the benefits and cost savings were clear. The 3 Counties Energy Agency (3CEA) through the Sustainable Energy Authority of Ireland's Better Energy Communities programme is helping by administering state-wide funding for energy efficiency and renewable energy projects.

Summary

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|-----------------------------|--|
| Company name: | Laois County Council |
| Project actions: | Public lighting retrofit to LED using Smart photocell control utilising the new unmetered burn profiles to allow for Trimming and Dimming. |
| Finance source: | Internal |
| Additional funding: | SEAI BEC 2017 programme |
| % funding | 30% |
| Grant amount: | € 19,403 |
| Total project cost: | € 64,676 |
| 25-year savings: | € 124,137 |
| Simple payback time: | 9.12 years |



| | Annual Energy (kWh) | Annual Value (€) | Annual CO ₂ (tonnes) |
|------------------------|---------------------|------------------|---------------------------------|
| Imports Before project | 51,497 kWh | € 6,694.61 | 24.1 tonnes |
| Imports After project | 13,301 kWh | € 1,729.13 | 6.2 tonnes |
| Savings | 38,196 kWh | € 4,965.48 | 17.9 tonnes |

Benefits

Thanks to the public lighting upgrade, Laois County Council saved money and reduced its carbon footprint through the BEC 2017 Programme.

The public light upgrade has resulted in a much better quality of light by using the newest technology LED lights. The decrease in wattage has led to much lower electricity bills.

3CEA are working hard to develop another award-winning project involving SMEs, local community groups, local authorities and homeowners. For more information on BEC please contact 3CEA office.