

AGRI Industry – Heating and Process Design Upgrade Fitzgerald Nurseries

With a large oil heat load to heat circa 1.5 acres of green houses, Fitzgerald Nurseries are a specialist “trade only” nursery that produces and delivers young plants as plugs liners and stage 3 tissue culture worldwide from Stoneyford Co. Kilkenny. 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

Company name:	Fitzgerald Nurseries
Project actions:	New Gas fired heat pump
Finance source:	AIB Finance
Additional funding:	SEAI BEC 2016 programme
Grant amount:	€ 53,607 (30% grant)
Total project cost:	€ 178,690
25-year savings:	
Simple payback time:	3.61 years



Fitzgerald Nurseries

	Annual Energy (kWh)	Annual Value (€)	Annual CO ₂ (tonnes)
Imports Before project	1295207 kWh	€ 256,325.20	1,230 tonnes
Imports After project	1172336 kWh	€ 134,547.40	664 tonnes
Savings	122,871 kWh	€ 11,700	566 tonnes

