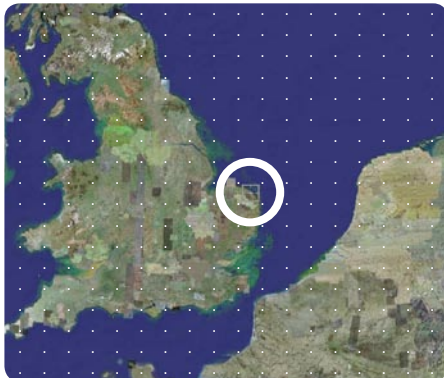


## Great Yarmouth Power

## Bacton to Great Yarmouth Gas Pipeline Operation & Maintenance

Project no: AA001252  
 Project: Bacton to Great Yarmouth Gas Pipeline  
 Service: Operation & Maintenance  
 Project stage: Operation  
 Product: Gas (Power Generation)  
 Region/Country: Europe (West) / UK



**BPA as ‘Operator’ provides overall management of the 45km 12” natural gas pipeline from the National Grid gas terminal at Bacton to the Great Yarmouth power Station. Duties include pipeline operation, inspection and maintenance, land agency services, wayleave monitoring / helicopter patrol, 3rd party works supervision, and emergency response. System is monitored from the BPA Kingsbury Control Centre near Birmingham.**

Great Yarmouth Power Ltd commissioned a new 400MW Combined Cycle Gas Turbine Power Station at South Denes in Great Yarmouth.

Located on a brown-field site where a previously sited oil fired power station had been demolished, the new Power Station is fed with natural gas from the Bacton gas complex where southern North Sea gas comes ashore.

The gas supply pipeline runs from the National Grid NTS gas terminal via a 44km x 12” NS x ANSI 600 class pipeline with a design capacity of 1.9 million cubic metres per day.

BPA was involved from the early construction phase in 1999 and has since become the Statutory Operator of the Pipeline. Duties commenced with wayleave inspection and maintenance and BPA has been responsible for development and implementation of all pipeline integrity and safety management procedures. BPA was responsible for initial “gassing up” of the Pipeline and completed the final commissioning of the SCADA and instrumentation systems. As Operator, BPA monitors pipeline operating performance from its central UK Pipeline Control Centre at Kingsbury in the Midlands.

The route of the Pipeline includes a sensitive street works section along Great Yarmouth Seafront Road requiring special consideration and enhanced management procedures, including:

- Extra heavy wall thickness pipe, increased depth of cover, increased coating performance, fibreoptic alarm cable, protection slabbing, daily patrols, leakage surveys, and upstream valve isolation AGI.
- Continuing liaison with the local council will lead to registration of the street as an SSED.
- Field staff based at BPA’s North Walsham terminal, that handles North Sea Gas Condensate, undertake inspection and maintenance issues to IGE TD/1 codes of practice and also provide a field based emergency response capability.
- Pipeline Manager database system is used for integrity record archiving with 15 layers of information and all records are currently being written to a bespoke data management and retrieval system.

