

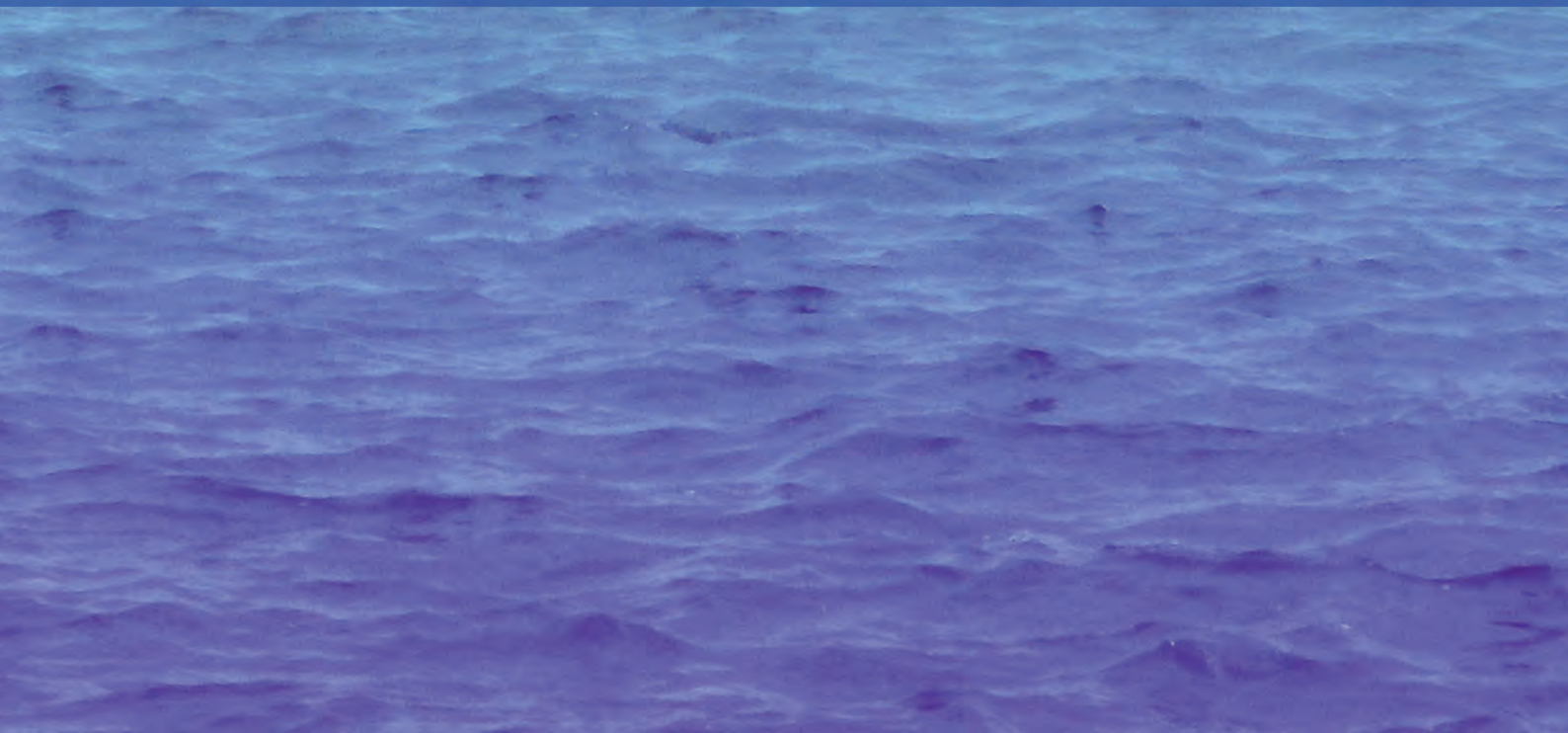


BUCKIE HARBOUR



OPPORTUNITIES FOR
OFFSHORE RENEWABLES

OPERATIONS AND MAINTENANCE





OVERVIEW

Buckie Harbour is located on the south side of the Moray Firth coastline. The Beatrice Demonstrator turbines are currently serviced from the Harbour which is home to successful engineering and fabrication manufacturing businesses.

LOCAL BUSINESSES

Moray is the natural location to establish a business within the renewable energy sector. Our area has an established and sophisticated engineering and fabrication manufacturing base born from traditional land based industries and sectors evolving in to oil and gas across the last three decades. This base today boasts 2nd and 3rd tier subcontractation across the whole of that supply chain with renewable energy now rapidly developing as their next and natural sector of interest and capability. A number of our businesses have the necessary pre-qualifications to feature on preferred sub-contractor lists for procurement and all have a multi-skilled workforce which can transit from one sector to the next with relative ease.

Our manufacturing and production capabilities includes, but is not limited to; heavy and light fabrication in all metals, pipe work, electrical engineering (controls and highly specialised), construction, precision engineering, R&D and design, hydraulics, coating and many other key supply chain services.



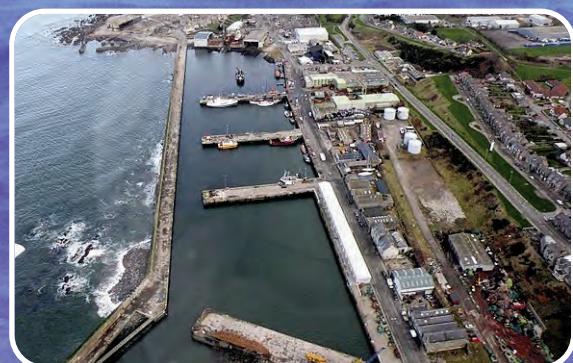
LOCATION

Latitude: 57 04 41'N

Longitude: 02 05 57'N

Chart No. 1462

**Ordnance Survey
Grid Reference:** NJ430660





KEY DISTANCES

Beatrice Offshore Windfarm: **36 miles**

Moray Offshore Windfarm: **25 miles**

Beatrice Oil field & Demonstrator Turbines: **31 miles**

TRANSPORT LINKS

Buckie (population: 8,023) is located on the A98 trunk road between Inverness (56 miles) and Aberdeen (63 miles). Both Inverness and Aberdeen can be reached by road in around one hour and Edinburgh and Glasgow within 3 hours.

From Buckie, every major UK town and city is within a legal day HGV driving, reaching 90% of the total UK population.

Buckie is well linked to air services in Aberdeen (Dyce) and Inverness. Within one hour's drive of Buckie, there are 138 flights per week including 35 flights to London airports and a daily connection into the international hub at Amsterdam. Aberdeen Airport at Dyce currently serves 57 international locations.

MORAY FIRTH OFFSHORE WINDFARMS

Two adjacent offshore windfarms located in the Moray Firth were granted consent by the Scottish Government in March 2014. Moray Offshore Renewables Ltd (MORL) and the Beatrice Offshore Windfarm Ltd (BOWL) will together be the world's third largest offshore wind farm, with up to 326 wind turbines. The developments will be capable of generating up to 1,866 MW of electricity, enough to power over one million homes. The wind farms will generate up to 4,600 jobs during peak construction and up to 580 jobs once in operation.

COMMUNICATION

Local BT Exchange

VHF Communication: Contact harbour office on VHF channel 16, working channel 12.

Broadband: Buckie is the first location in Scotland to become superfast broadband enabled as part of a £410m publicly-funded project. Broadband speeds are up to 20 Megabits per second (Mbps), more than double the maximum UK speeds available to the majority of UK homes and businesses. More than 5300 premises in Buckie can now order fibre services.

ONSHORE INFRASTRUCTURE

Scottish Hydro Electric Telecommunications Ltd (SHETL) cable connecting electricity generated from renewable sources in the Shetland Isles to the mainland for the first time and potentially Caithness to the Moray Coast will come onshore at Portgordon (5 kms to the west of Buckie) and connect to a converter station at Blackhillock, near Keith. The Beatrice offshore windfarm cable will also come onshore at Portgordon and connect to a converter station at Blackhillock, near Keith.

DEVELOPABLE AREAS

- | | |
|---------------------------------|--------|
| 1) BARRON STREET | 0.25ha |
| 2) BANK STREET | 0.5ha |
| 3) OLD STATION YARD | 0.7ha |
| 4) COMMERCIAL ROAD | 0.08ha |
| 5) COMMERCIAL ROAD | 0.8ha |
| 6) FREUCHNY ROAD/
MARCH ROAD | 0.55ha |
| 7) MARCH ROAD | 0.45ha |
| 8) IANSTOWN | 1.4ha |



DEVELOPMENT

INDUSTRIAL LAND

A number of existing buildings are available at the quayside for use together with vacant land. The harbour is identified in the Moray Local Plan 2008 (MLP 2008) for industrial purposes and as such, there is a presumption in favour of industrial uses, including offices.

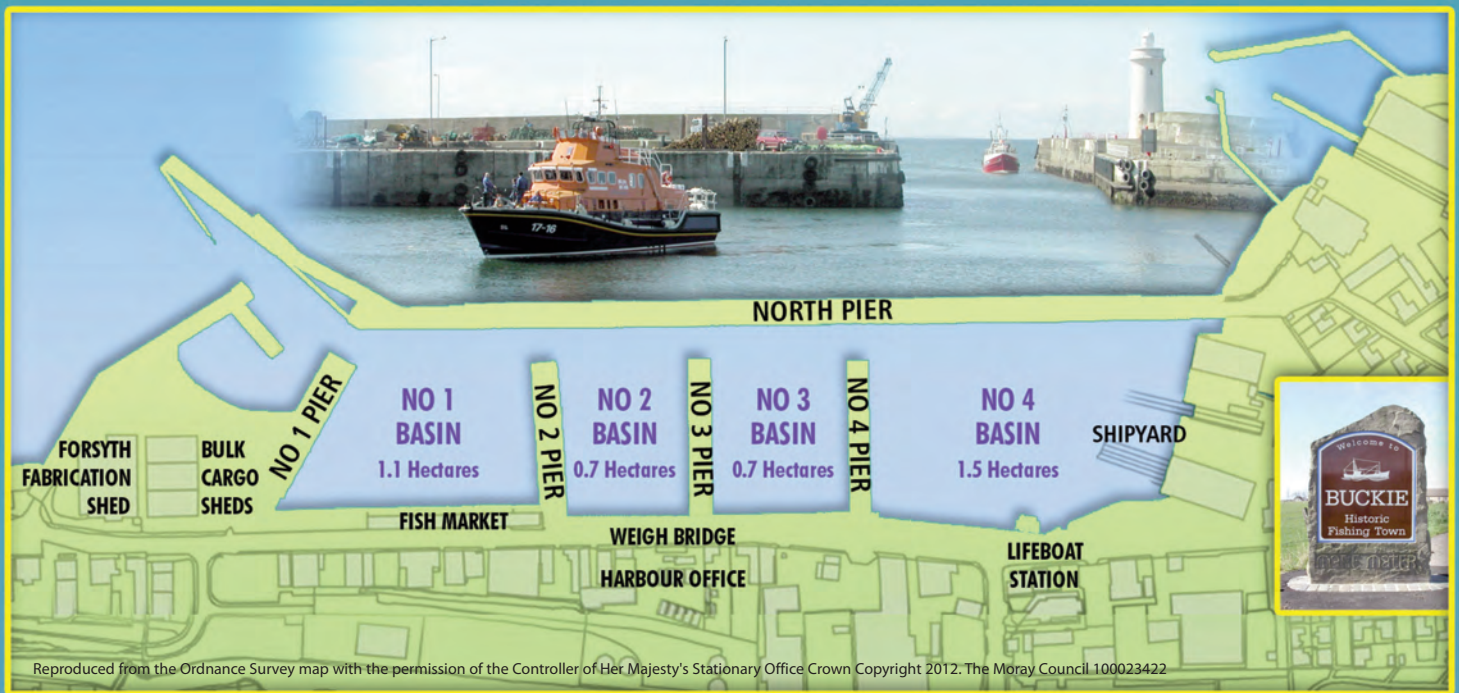
The March Road Industrial Estate is in close proximity to the harbour. There are buildings and land within the industrial estate available for employment generating uses. Land immediately adjacent the existing industrial estate is identified in the MLP 2008 for the expansion of industrial land and a business park is identified on the northern edge of the town.

DEVELOPABLE AREAS

Various buildings at the harbour include the former fish market which has direct quay and roadside access, and former museum (Buckie Drifter) which is in good condition and has large flexible spaces capable of conversion, canteen facilities, large glazed elevations providing excellent views across the harbour and Moray Firth beyond, and parking.

Vacant land in public ownership includes the cleared former railway station site directly opposite the harbour and cleared former boatyard with a waterside location provide possibilities for external laydown areas. There are a number of other large sites within private ownership in the immediate harbour vicinity.





PORT INFRASTRUCTURE

LENGTH OF USABLE QUAY

Basin 1: 330 metres
 Basin 2: 250 metres
 Basin 3: 250 metres
 Basin 4: 300 metres

TIDAL RANGE

Tidal range is 4.8 metres max.

VESSEL SIZE & ACCESS

Maximum vessel length: 86 metres
 Maximum beam: 15 metres
 Maximum draught: 4.5 metres

OPERATION

The harbour office is open 24 hours, 7 days per week throughout the year.

CRANEAGE

Stevendore facilities are available from North East Stevedoring Ltd who also operates bulk cargo sheds at the West Basin totalling 1350 sq metres in area.

PLANNING

The port is owned and managed by the Moray Council (Transportation Services) and has permitted development rights for harbour related activities.

UTILITIES

- Sheltered harbour entrance – very rarely closed due to bad weather
- Public weighbridge at harbour office
- Bunkering available by road tanker from local suppliers, 24 hours, delivering gas oil, marine diesel, petrol and marine lubricants. Waste oil collection service available.
- Electric power and mains water available on main working quays.
- Compliant with ISPS
- Fire station located on East Cathcart Street
- RNLI Lifeboat berthed in Basin 4

HELICOPTER FACILITIES

Aberdeen Airport at Dyce is located 60 miles from Buckie where Bond Offshore Helicopter Headquarters and Bristow European Operations are based. Inverness Airport (Dalcross) is 48 miles west with direct links to Gatwick, Luton, Manchester, Birmingham, Northern Isles, Netherlands and Germany.

Nether Dallachy former airfield is located 5 miles west of Buckie. Kinloss Airbase is located 27 miles west of Buckie. There may be other opportunities within the town or in the immediate vicinity of Buckie for helicopter landing or helipad facilities.

SKILLS & TRAINING



KEY FACTS

- Moray has a population of 93,295 (2011 Census) with approximately 45,983 in employment, and a growing population.
- Energy, Water and Manufacturing employment in Moray accounts for the highest share of employees in the Highlands and Islands (17%) compared with an average 9.7% for the Highland's and Island's and 10.5% for Scotland.
- There are over 8,000 people in Moray employed in engineering disciplines (excluding the RAF) which includes manufacturing, construction and utility provisions.
- There is a pool of labour with experience in oil and gas as knowledge that could be transferred across to similar environments such as offshore wind.
- The area has access to a wider labour pool with 115,930 people (working age) within one hour's drive of Buckie. 16% are recognised as having a skilled trade which is stronger than the Scottish average of 11%.
- Working age residents are more likely to work longer and are paid less than the average for Scotland.
- Buckie is a traditional fishing town with a wealth of knowledge and skills in skippering and seafaring.





MINISTRY OF DEFENCE (MOD)

- Within Moray, there are two MOD bases. The 39 Engineering Regiment have over 900 skilled personnel operating from Kinloss Barracks. RAF Lossiemouth is the base for 3 Typhoon squadrons with support and training wings amounting to over 2,000 skilled personnel.
- Army retirement age is 40 and RAF is 55 although earlier in some cases. Many seek employment in the area after they retire providing a steady flow of skilled labour into the local labour market.
- Many former RAF personnel wish to remain in Moray. Those who have secured employment out-commute and continue to reside in the area.
- Kinloss Skills Partnership (KSP – www.kinloss-skillspartnership.co.uk) has over 800 ex-MOD personnel registered for employment on their database.
- Extensive retraining is available to RAF service leavers. Many are entitled to Free Learning Credits and free courses at the University of the Highlands and Islands (UHI). A significant proportion of registered ex-service personnel on the KSP database satisfy the criteria to complete an MSc in Renewable Energy at Heriot-Watt University.
- Skills Development Scotland (SDS) fund redundant workers to undertake short course retraining. This includes training such as BOSIET and MIST safety and survival training for working offshore.
- Broad occupation categories of RAF personnel include: Electronic Engineering, Aircraft Engineering, General Engineering, Mechanical Engineering, Electrical Engineering, Motor Mechanics, Driver (HGV/Forklift), Security, Health & Safety, Logistics, Airframe, Propulsion and Avionic Technicians, Warehouse Operatives, Technical Aircrew, Officers and Managers. Many personnel complete other civilian-recognised standard courses during their career.

EDUCATION/TRAINING

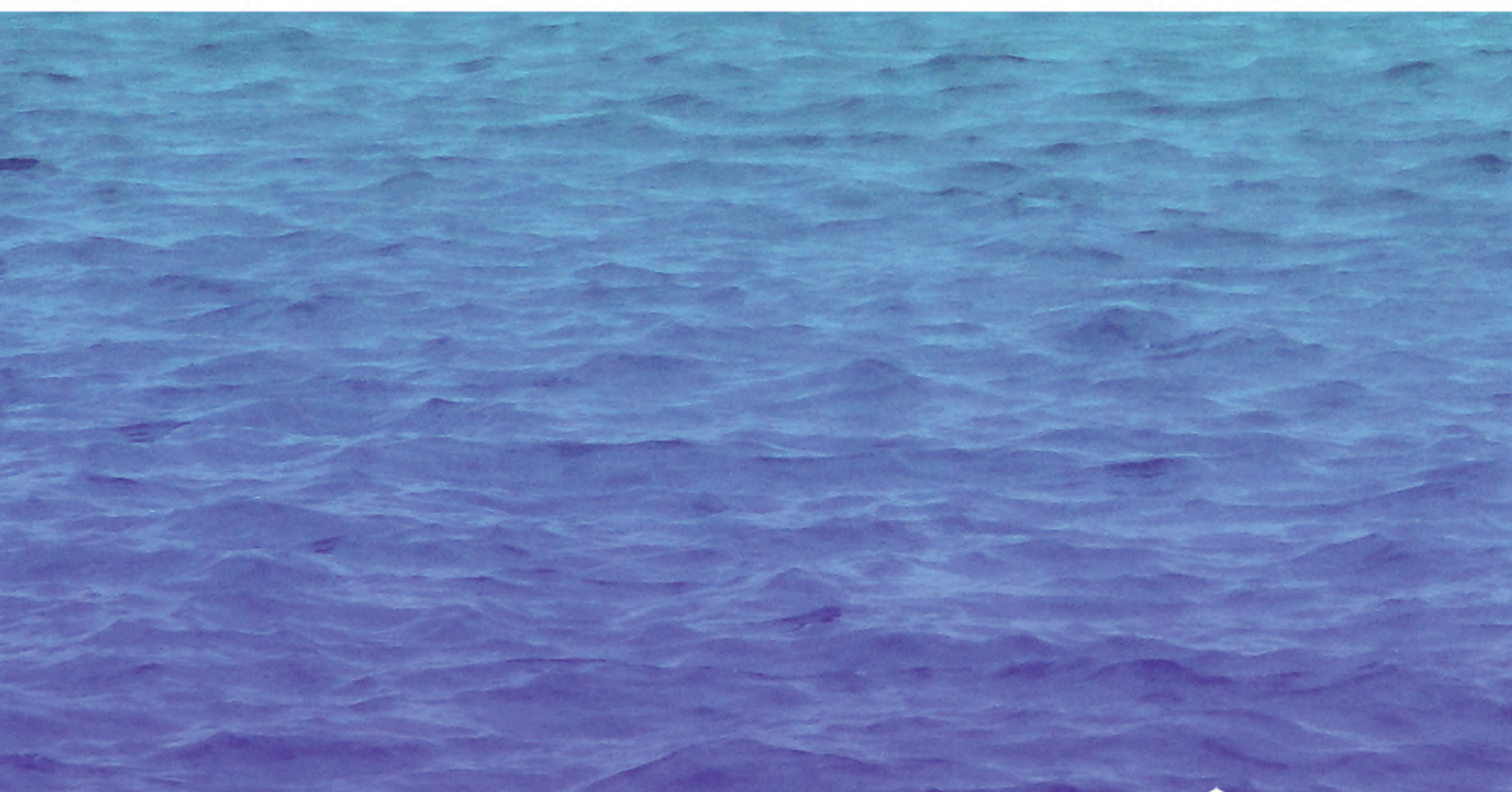
- Buckie is in close proximity to Banff & Buchan College (Fraserburgh) which has specialist skills in engineering and nautical disciplines, and Moray UHI (Elgin) which has learning centres in Nairn, Forres, Keith and Buckie.
- Moray College is part of the University of Highlands and Islands (UHI) network which spans the whole of the Highlands and Islands. The UHI is one of the largest users of videoconferencing in the UK which is used for teaching, hosting seminars and meetings across the network. Students can attend courses taught in other UHI colleges (i.e. Stornoway) without incurring the need to travel.
- Moray UHI offer courses in engineering, renewables and building and construction together with short courses in Electrics and Testing that meet industry standards.
- Moray UHI work with Secondary Schools to offer pupils Skills for Engineering awards.

CONTACT US

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