

Gas
Transmission

Bacton Terminal

Technical design workshop

nationalgrid



We will start at 14.01

Slido.com #Bacton

Who will be speaking today?

**Mark
Lissimore**
Director of
Construction



**Francine
Woolley**
System
Development
Engineer



Paul Hagan
Project Engineer



**Jennifer
Pemberton**
Stakeholder
Manager



Logistics

Should last for approximately about 60 min

Questions and polling via [slido.com](#) #Bacton

We will circulate the slides after the session

If you would like a 1-1, please let us know

Agenda

1 Welcome & Context

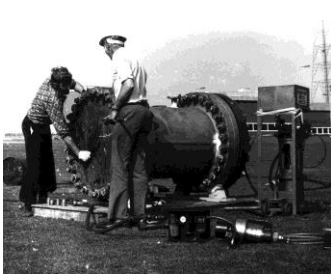
2 Update on the re-opener process

3 Planning assumptions

4 Q&A

Welcome and context

Bacton Terminal
Commissioned in 1968



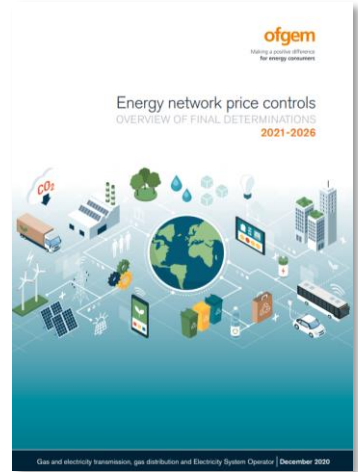
Over 50 years of reliable service



Increasing levels of interventions
needed to maintain reliable
efficient operation



By working together we developed a
proposal for the redevelopment of the
terminal



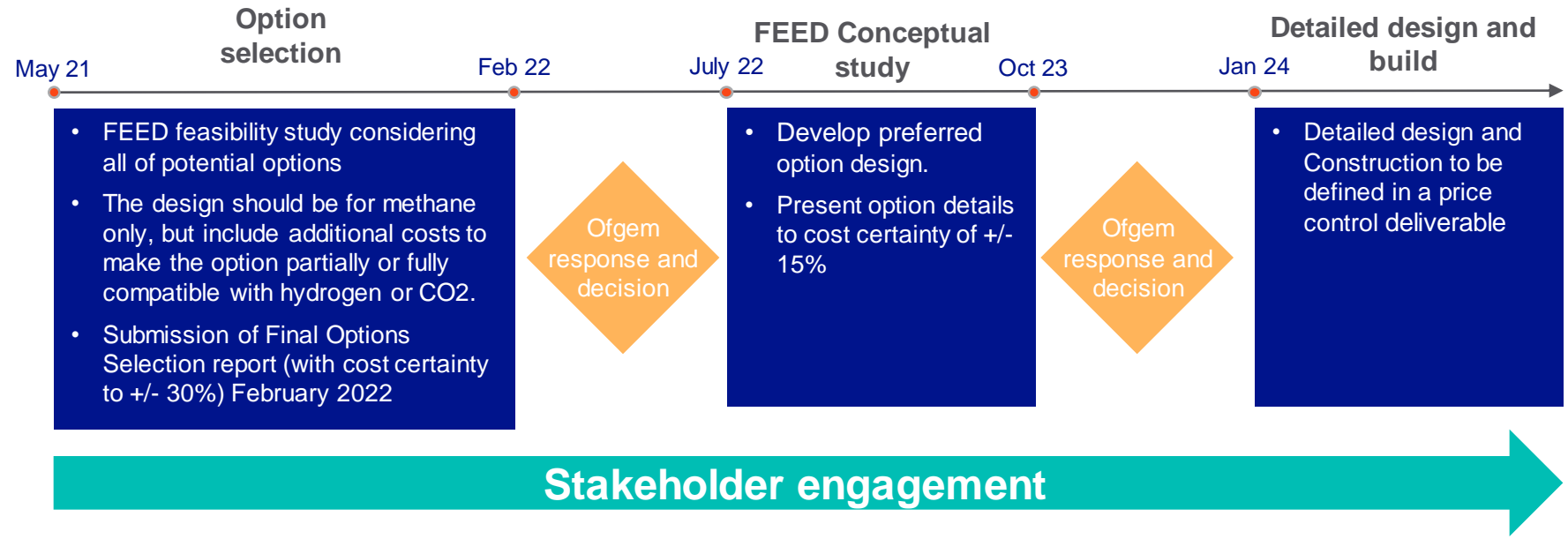
Long-term need of the
terminal recognised

Where we are

Business Plan funding to develop more detailed options:

- **Reconsider all options** in comparison to a **more developed maintenance only** solution
- Present new preferred option vs maintenance only to cost **+/- 30% in Feb 2022**
- Describe **costs per incomer** (justification of retained incomers with declining UKCS)
- **Methane only** design
- Description of where **future reuse** (H2 or CO2) can be added

Update on our process



Programme – FEED Feasibility Options Selection



- Generate Long List of options and conduct coarse analysis.

- Shortlisted options
- Engineering, Environmental & Sustainability, Carbon, Cost and Programme analysis

- Final option(s) selection
- Engineering Justification Paper

Engage to validate needs of the terminal

Informal Ofgem update

Quarterly update

Engage on shortlisted options

Quarterly update

Ofgem submission

Quarterly update

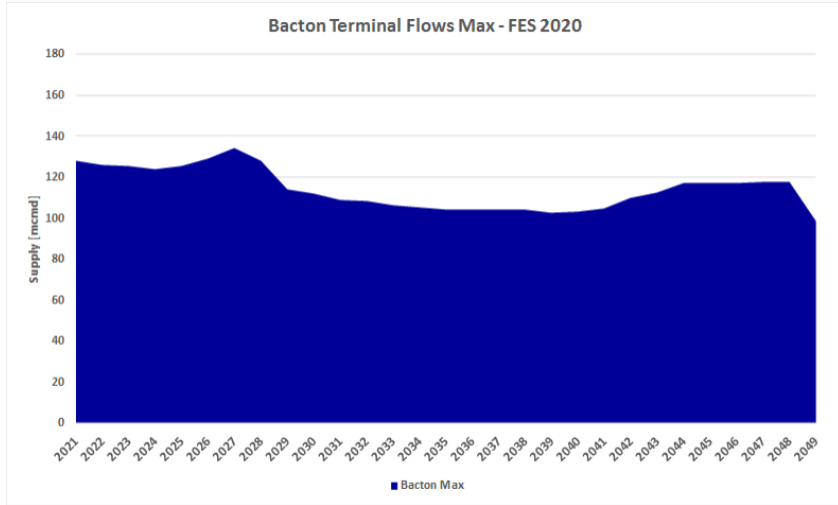
Ofgem Approval

Do the Future Energy Scenarios (FES) contain all the right information for us to base our planning and cost benefit analysis on?

Is there anything outside of FES that might change these flows?

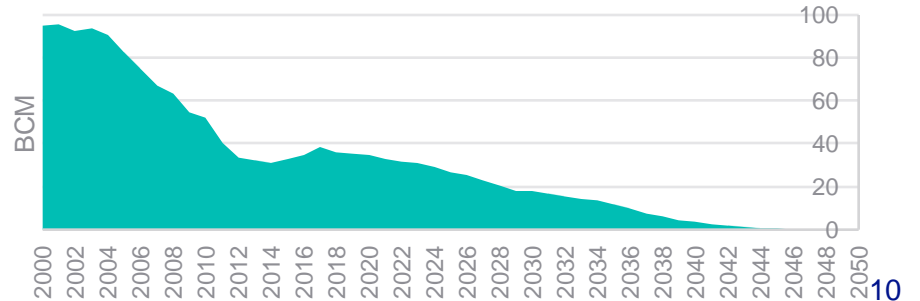
Planning assumptions

Bacton forecast flows at peak demands peak conditions with FES 2020



Q Do the Future Energy Scenarios (FES) contain all the right information for us to base our planning and cost benefit analysis on?

NTS UKCS FES Steady progression



What other considerations should we make when developing options?

What we've heard – Bacton Design Considerations

What other considerations should we make when developing options?

H2 ready

Net Zero operation

Lots of notice of any disruption

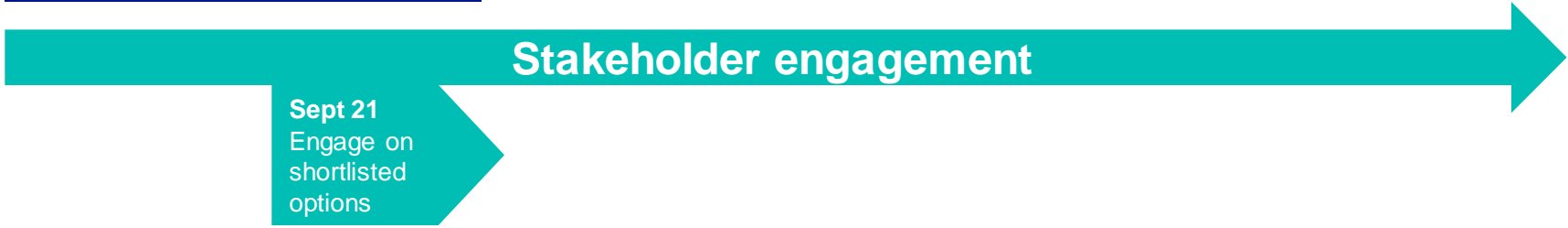
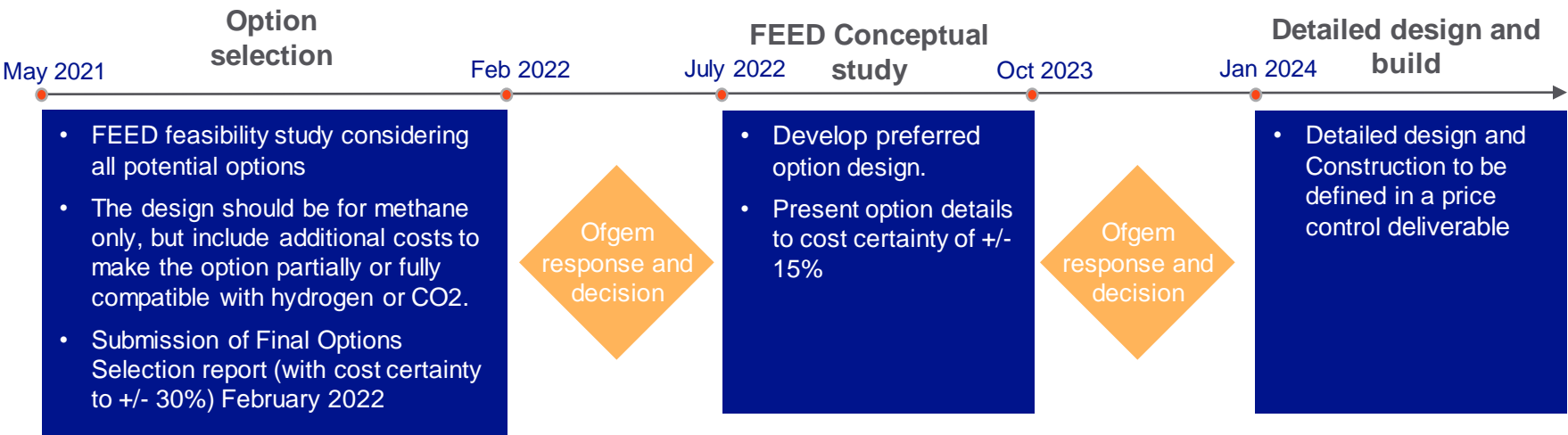
Engage collaboratively

Support local community getting on grid

Coordinate maintenance

No disruption during construction

Reminder of timeline



Q&A



national**grid**