



Event Transcript

Project:	Connahs Quay Low Carbon Power Project
Event:	Issue Specific Hearing 1 (ISH1) Part 1
Date:	13 January 2026

Please note: This document is intended to assist Interested Parties.

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The video recording published on the Planning Inspectorate project page is the primary record of the event.

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1

00:09:14.575 --> 00:09:15.685

Honda, good afternoon.

2

00:09:15.905 --> 00:09:19.325

Um, it's now two o'clock, uh, and time for this hearing.

3

00:09:19.545 --> 00:09:21.285

To begin, I'd like to welcome you all

4

00:09:21.425 --> 00:09:23.365

to this issue specific hearing,

5

00:09:23.375 --> 00:09:25.165

which includes a general description

6

00:09:25.545 --> 00:09:26.925

of the proposed development

7

00:09:27.225 --> 00:09:31.365

and review of the draft development consent order, or dd, C0

8

00:09:31.445 --> 00:09:33.125

or DCO as you may hear it referred to

9

00:09:33.585 --> 00:09:36.245

for the Connor's key Low Carbon Power Project.

10

00:09:36.425 --> 00:09:38.845

Can I just check that? You can hear me okay in the room?

11

00:09:40.255 --> 00:09:43.515

Thank you. And online. Okay. Thank you.

12

00:09:43.735 --> 00:09:46.155

And that we're live streaming and recording. Thank you.

13

00:09:47.615 --> 00:09:48.995

Uh, my name is Naly

14

00:09:48.995 --> 00:09:50.835

and I have been appointed by the Secretary of State

15

00:09:50.935 --> 00:09:53.395

as the examining inspector to examine this application.

16

00:09:54.015 --> 00:09:56.715

You might also hear me refer to as the examining authority.

17

00:09:56.895 --> 00:09:58.075

I'm joined by my colleagues

18

00:09:58.305 --> 00:09:59.515

from the planning inspector at Mr.

19

00:09:59.545 --> 00:10:01.435

Jake Stevens, the case manager, and Mr.

20

00:10:01.495 --> 00:10:03.315

Sam Stevens, the case officer at the rear of the room,

21

00:10:03.755 --> 00:10:04.795

handling matters for today's hearing.

22

00:10:05.455 --> 00:10:08.075

And we also, Mr. Harry Davis joining us online who's

23

00:10:08.235 --> 00:10:09.275

handling the virtual component

24

00:10:09.295 --> 00:10:10.995

of this meeting, hearing, sorry.

25

00:10:11.775 --> 00:10:14.475

We have the team from TM Services handling the audio visual

26

00:10:14.475 --> 00:10:16.915

components of this meeting, live streaming and recording it.

27

00:10:17.575 --> 00:10:19.755

And we have common translation services

28

00:10:20.455 --> 00:10:23.315

who are live translating any spoke on Welsh into English.

29

00:10:23.455 --> 00:10:26.555

For the benefit of any non Welsh speakers in the room

30

00:10:26.615 --> 00:10:29.915

or online, uh, just remind people we, we,

31

00:10:29.915 --> 00:10:32.435

we do welcome contributions in Welsh during the examination,

32

00:10:32.815 --> 00:10:35.795

and the translation facilities will be present today in any

33

00:10:35.795 --> 00:10:36.955

hearings we hold in the future.

34

00:10:37.855 --> 00:10:40.755

Uh, and if you'd like to speak Welsh, then, um,

35

00:10:41.055 --> 00:10:42.155

you're more than free to do so.

36

00:10:42.335 --> 00:10:44.195

Um, we will have a live English translation.

37

00:10:44.195 --> 00:10:46.195

There will be headphones available in the room.

38

00:10:46.455 --> 00:10:47.795

And for those that have joined us online,

39

00:10:47.915 --> 00:10:49.555

I think you've got one of two options of either

40

00:10:49.575 --> 00:10:53.635

of connecting to the Microsoft Teams live translation feed,

41

00:10:53.935 --> 00:10:55.155
or if that isn't working for you,

42

00:10:55.155 --> 00:10:57.795
there's a telephone number, but, uh, you might need to do

43

00:10:57.795 --> 00:11:00.315
that in advance of any Welsh Spoken Welsh.

44

00:11:00.315 --> 00:11:03.315
So, uh, can I just check again, is there anybody planning

45

00:11:03.375 --> 00:11:05.715
to speak Welsh, uh, this afternoon, just so

46

00:11:05.715 --> 00:11:06.955
that we can make sure that people online

47

00:11:06.975 --> 00:11:08.155
are dialed into the right number?

48

00:11:10.525 --> 00:11:13.255
Okay. So feel free to at any point, but just, we'll just try

49

00:11:13.255 --> 00:11:15.815
and make sure that people online have got an opportunity if

50

00:11:15.815 --> 00:11:17.855
they are non Welsh speakers to dial in

51

00:11:17.855 --> 00:11:18.935
and get that translation.

52

00:11:19.225 --> 00:11:23.455
Thank you. Uh, apologies again for those

53

00:11:23.455 --> 00:11:24.535
that have been with us this morning.

54

00:11:24.675 --> 00:11:27.095

Uh, I'm just gonna go over a few housekeeping matters.

55

00:11:27.235 --> 00:11:29.255

If you could please, uh, set your phones on silent.

56

00:11:29.275 --> 00:11:30.975

If you need to take a call, please feel free

57

00:11:30.975 --> 00:11:33.415

to leave the room and do so and return at your convenience.

58

00:11:34.175 --> 00:11:35.455

I appreciate some people are on call.

59

00:11:35.955 --> 00:11:39.575

Um, toilets just at the door and on the left, Jensen Ladies.

60

00:11:40.035 --> 00:11:42.895

And, uh, there is no planned fire alarm this afternoon.

61

00:11:43.675 --> 00:11:45.735

If we do have a fire, we go out for over those doors

62

00:11:45.755 --> 00:11:47.335

to the front of the property, we can go out that way

63

00:11:47.335 --> 00:11:48.375

and out through the front as well.

64

00:11:50.555 --> 00:11:52.935

Um, this meeting will follow the agenda

65

00:11:53.005 --> 00:11:55.285

that we published on the National Infrastructure Planning

66

00:11:55.395 --> 00:11:57.805

website on the 13th of January this year,

67

00:11:58.135 --> 00:12:02.205

which is examination library reference EV 2 0 0 1 in English

68

00:12:02.225 --> 00:12:04.685

and EV 2 0 0 2 in Welsh.

69

00:12:05.305 --> 00:12:07.045

Uh, it'd be helpful if you had a copy of this in front

70

00:12:07.045 --> 00:12:09.765

of you, but I believe the applicant has kindly printed off

71

00:12:09.765 --> 00:12:12.245

some additional copies if anyone does not have one

72

00:12:12.245 --> 00:12:13.445

with them and would like one.

73

00:12:14.305 --> 00:12:16.285

And if the applicant could please also

74

00:12:16.285 --> 00:12:17.485

display the agenda on screen.

75

00:12:17.485 --> 00:12:22.245

Thank you very much. This

76

00:12:22.245 --> 00:12:23.405

agenda is for guidance only.

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00:12:23.405 --> 00:12:24.605

It's just something I drafted.

78

00:12:24.625 --> 00:12:26.325

Uh, and we may go on other considerations

79

00:12:26.325 --> 00:12:30.085

or issues throughout the hearing, but, um, I will try

80

00:12:30.165 --> 00:12:31.885

and conclude the hearing as soon as we've dealt

81

00:12:31.885 --> 00:12:33.365

with all relevant contributions

82

00:12:34.145 --> 00:12:35.325
and questions that have been asked

83

00:12:35.325 --> 00:12:36.685
and responded to by the parties.

84

00:12:37.825 --> 00:12:40.645
If the discussions can't be concluded today,

85

00:12:40.645 --> 00:12:42.365
then it'd be necessary for me to prioritize matters

86

00:12:42.385 --> 00:12:44.125
and defer some to a later date if necessary.

87

00:12:44.125 --> 00:12:46.405
But we'll see how we progress through the day, and I'll try

88

00:12:46.405 --> 00:12:49.005
and take a break, uh, if it goes on for too long

89

00:12:49.465 --> 00:12:51.325
so you get a bit of a chance to get a comfort break.

90

00:12:52.465 --> 00:12:55.365
And always, if we don't address something today

91

00:12:55.365 --> 00:12:57.245
or you want to ask something, you can follow up in writing

92

00:12:57.505 --> 00:12:59.605
at any point during the examination.

93

00:13:01.225 --> 00:13:03.725
Uh, today's hearing is gonna be undertaken in hybrid May,

94

00:13:03.725 --> 00:13:04.765
meaning that some of you're here

95

00:13:04.765 --> 00:13:06.125

with us in the room and some are online.

96

00:13:06.465 --> 00:13:08.645

And I'm gonna try and do my best to make sure that we have,

97

00:13:08.705 --> 00:13:10.525

um, equal engagement from all parties

98

00:13:10.585 --> 00:13:11.885

and you get a chance to speak.

99

00:13:16.025 --> 00:13:18.725

Uh, a recording of the hearing again will be available on

100

00:13:18.745 --> 00:13:22.405

our website shortly after this, uh, this week.

101

00:13:23.065 --> 00:13:25.765

Uh, and with this in mind, each time we come to you

102

00:13:25.765 --> 00:13:27.525

to speak, please if you could state your name

103

00:13:27.905 --> 00:13:29.005

and who you're representing.

104

00:13:29.005 --> 00:13:31.085

Apologies each and every time before you speak.

105

00:13:31.905 --> 00:13:34.085

Uh, and if you're not at a table, feel free

106

00:13:34.105 --> 00:13:35.525

and we'll get a microphone to you.

107

00:13:37.985 --> 00:13:39.605

Uh, and a link to the planning inspector.

108

00:13:39.605 --> 00:13:40.645

It's privacy notice was

109

00:13:40.885 --> 00:13:43.165

provided in advance of this on our Rule six letter.

110

00:13:43.845 --> 00:13:45.125

I assume you've had a chance to have a look at it.

111

00:13:45.125 --> 00:13:46.165

If you've got any concerns about

112

00:13:46.165 --> 00:13:47.485

how you might be recorded today

113

00:13:47.945 --> 00:13:49.525

or how your data might be used in the future,

114

00:13:49.525 --> 00:13:51.845

if you'd just like to meet the chaps at the back of the room

115

00:13:51.845 --> 00:13:53.405

and they'll go through what, uh, what we'll do

116

00:13:53.405 --> 00:13:55.005

with it once we've recorded and held it.

117

00:13:57.235 --> 00:14:00.005

Okay. I'm now gonna go, uh, uh, through those of you

118

00:14:00.005 --> 00:14:01.565

who are participating in today's hearing

119

00:14:02.025 --> 00:14:03.045

to introduce yourselves.

120

00:14:03.145 --> 00:14:05.645

And when I state your organization's name, if you could say

121

00:14:06.235 --> 00:14:08.085

also, uh, who you represent or,

122

00:14:08.105 --> 00:14:10.365

and which agenda item you'd like to speak on in particular,

123

00:14:10.625 --> 00:14:12.805

if you're not representing an organization,

124

00:14:12.935 --> 00:14:14.685

could you just please confirm your name

125

00:14:14.865 --> 00:14:17.405

and summarize which particular item on the agenda if

126

00:14:17.405 --> 00:14:18.485

necessary you'd like to speak to?

127

00:14:19.145 --> 00:14:20.605

Um, you will have an opportunity

128

00:14:20.605 --> 00:14:22.125

to come in at any time if you want to.

129

00:14:22.505 --> 00:14:24.525

And also, if you could please let me know how you would like

130

00:14:24.525 --> 00:14:25.685

to be addressed, whether it's Mr.

131

00:14:26.025 --> 00:14:30.085

Mrs, miss, or any professional pre nominal. Okay.

132

00:14:30.145 --> 00:14:31.685

Can I start with the applicant again, please?

133

00:14:34.075 --> 00:14:35.085

Good afternoon, sir.

134

00:14:35.185 --> 00:14:38.965

Um, as you know, my name's James Raun of King's Counsel.

135

00:14:39.265 --> 00:14:42.365

I'm representing the applicant today for the purposes

136

00:14:42.365 --> 00:14:44.365
of this, um, issue specific hearing.

137

00:14:45.145 --> 00:14:49.165
Uh, I already introduced Mr. Bramwood to my right.

138

00:14:49.945 --> 00:14:53.085
Um, I was just going to, what we haven't done is provide you

139

00:14:53.085 --> 00:14:55.365
with professional qualifications,

140

00:14:55.625 --> 00:14:58.005
and I was just proposing just to briefly outline those

141

00:14:58.065 --> 00:15:00.485
for the people who are speaking today, if that's acceptable.

142

00:15:00.985 --> 00:15:02.085
Um, as you know, Mr.

143

00:15:02.085 --> 00:15:03.965
Brownwood is the technical leader

144

00:15:04.025 --> 00:15:05.725
for low emission plans at Juniper.

145

00:15:05.745 --> 00:15:08.965
And the project manager in the, um,

146

00:15:09.155 --> 00:15:11.405
applicant's Clean Dispatchable Power Team.

147

00:15:11.515 --> 00:15:13.565
He's got a degree in chemical engineering

148

00:15:13.565 --> 00:15:15.605
and he's the general project manager

149

00:15:15.945 --> 00:15:17.125

in that team I mentioned.

150

00:15:17.155 --> 00:15:20.925

He's got over 25 years experience in the energy sector

151

00:15:20.925 --> 00:15:24.885

through PowerGen, eon, and, uh, now Juniper.

152

00:15:25.505 --> 00:15:29.205

And his recent work is focused on leadership in carbon

153

00:15:29.235 --> 00:15:33.365

capture and, um, dealing

154

00:15:33.365 --> 00:15:37.525

with Juniper's strategy for its decarbonization goals.

155

00:15:38.065 --> 00:15:41.845

And he's contributed to a range of different activities,

156

00:15:41.845 --> 00:15:45.165

including major asset projects such as biomass conversions,

157

00:15:46.365 --> 00:15:47.685

d NOx, retro retrofits.

158

00:15:47.705 --> 00:15:49.645

I'm going to master all of these acronyms.

159

00:15:50.145 --> 00:15:51.325

Um, research

160

00:15:51.325 --> 00:15:54.765

and development management, as well as, um, delegations

161

00:15:54.765 --> 00:15:58.365

for regulatory developments in large combustion plant best

162

00:15:58.365 --> 00:16:01.565

available techniques, uh, reference development

163

00:16:01.585 --> 00:16:04.125

and the minta conventional mercury emissions.

164

00:16:04.125 --> 00:16:06.405

So I hope that gives you an idea of

165

00:16:06.435 --> 00:16:08.165

what he's particularly going to speak

166

00:16:08.165 --> 00:16:09.845

to in relation to the project.

167

00:16:10.665 --> 00:16:13.285

Mr. Nicholas State, um, I introduced

168

00:16:13.345 --> 00:16:16.845

as the environmental impact assessment lead for the project.

169

00:16:17.275 --> 00:16:20.965

He's got a ba, honors Human Geography degree in MSC

170

00:16:20.965 --> 00:16:22.565

and integrated Environmental Studies,

171

00:16:22.785 --> 00:16:25.925

and he's a practitioner of the Institute of Sustainability

172

00:16:26.025 --> 00:16:27.445

and Environmental Professionals

173

00:16:27.865 --> 00:16:30.205

and a member of the Institute of Environmental Sciences

174

00:16:30.305 --> 00:16:33.365

and a childhood environmentalists, uh,

175

00:16:33.515 --> 00:16:35.925

with considerable experience in the EIA matters.

176

00:16:36.025 --> 00:16:38.365

So that gives you an idea of what he will be speaking to.

177

00:16:39.225 --> 00:16:42.325

And Mr. Jeff Bullock, who I didn't introduce, um, earlier,

178

00:16:42.505 --> 00:16:44.165

but he's the joint managing director

179

00:16:44.165 --> 00:16:46.925

and head of planning at DWD Property

180

00:16:46.925 --> 00:16:48.645

and Planning Limited dealing with

181

00:16:49.565 --> 00:16:51.205

planning policy matters in particular

182

00:16:51.265 --> 00:16:52.405

in relation to the project.

183

00:16:53.265 --> 00:16:56.005

And, uh, he's gotta be a honors town

184

00:16:56.005 --> 00:16:58.605

and country planning degree, a bachelor planning a member

185

00:16:58.605 --> 00:17:02.325

of the Role Town Planning Institute with over 30 years

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00:17:02.325 --> 00:17:03.365

of planning experience,

187

00:17:03.385 --> 00:17:07.085

and I think worked on about 15 dcos for 15

188

00:17:07.105 --> 00:17:08.205

or more dcos

189

00:17:08.225 --> 00:17:10.885

for nationally significant energy infrastructure.

190

00:17:11.465 --> 00:17:14.645

And those are the three people I think are going to try

191

00:17:14.645 --> 00:17:17.325

and assist you on your agenda items, um,

192

00:17:17.355 --> 00:17:18.925

that you are going to come to shortly.

193

00:17:19.335 --> 00:17:20.725

Thank you very much. Thank you for that.

194

00:17:21.385 --> 00:17:24.405

Um, can I pass to Flincher County Council, please?

195

00:17:25.265 --> 00:17:28.765

Yes, sir. Um, my name's, uh, Ms. Charlie Pope.

196

00:17:28.785 --> 00:17:30.165

I'm a Senior planning officer here

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00:17:30.165 --> 00:17:31.245

with Flincher County Council.

198

00:17:31.985 --> 00:17:34.445

To my left is Ms.

199

00:17:34.445 --> 00:17:37.045

Hannah Parish, uh, planning manager with

200

00:17:37.645 --> 00:17:39.725

Flincher County Council to my right.

201

00:17:39.755 --> 00:17:41.645

Plus one is, uh, Mrs.

202

00:17:41.645 --> 00:17:44.925

Susan Corda County Solicitor with Flincher County Council.

203

00:17:45.385 --> 00:17:48.565

And to my right, plus two is Tim Hibbett, planning Officer

204

00:17:49.145 --> 00:17:50.365

at Fincher County Council.

205

00:17:51.065 --> 00:17:53.165

Um, I don't think it's necessary to go

206

00:17:53.165 --> 00:17:55.285

through all our qualifications Okay. At this moment. Thank

207

00:17:55.285 --> 00:17:56.285

You. Alright, thank you.

208

00:17:56.285 --> 00:17:58.885

Um, prior to going to the, uh,

209

00:17:58.945 --> 00:18:01.765

in the room, do we have, I'm just trying to look online.

210

00:18:01.985 --> 00:18:03.925

Do we have any statutory undertakers

211

00:18:03.925 --> 00:18:06.845

or statutory authorities, consultants joining us online?

212

00:18:07.005 --> 00:18:09.965

I see I've got Dr. Boswell again, so, so I'll just pass

213

00:18:09.965 --> 00:18:10.965

to you to introduce yourself.

214

00:18:14.385 --> 00:18:17.045

Uh, thank you, sir. Yes, Dr.

215

00:18:17.045 --> 00:18:20.405

Andrew Boswell, climate Emergency Science and Law.

216

00:18:20.985 --> 00:18:23.525

I'm a 50 year scientist, um,

217

00:18:23.525 --> 00:18:27.565

having embarked on my doctorate round about 50 years ago,

218

00:18:28.345 --> 00:18:31.365

um, which was in, uh, molecular biology.

219

00:18:32.305 --> 00:18:34.405

Um, I've done lots of science things,

220

00:18:34.425 --> 00:18:35.565

but I will give you a,

221

00:18:35.725 --> 00:18:38.245

a resume a in my written representation.

222

00:18:39.585 --> 00:18:43.805

Um, I think I probably want to speak

223

00:18:43.865 --> 00:18:46.165

to item three seven,

224

00:18:46.385 --> 00:18:49.445

but I'm not entirely sure that's the right place.

225

00:18:49.625 --> 00:18:53.965

But perhaps put item three seven as a marker,

226

00:18:54.015 --> 00:18:57.725

which is the carbon capture component of the facility.

227

00:18:57.855 --> 00:18:58.855

Thank you very much.

228

00:19:00.215 --> 00:19:02.125

Thank you, Dr. Boswell.

229

00:19:02.185 --> 00:19:05.685

Um, yeah, I'll put a note there for myself just to do that.

230

00:19:08.465 --> 00:19:12.645

Uh, thank you. Um, I don't think I'm going

231

00:19:12.645 --> 00:19:14.685

to quickly pass to, let me, let me start

232

00:19:14.685 --> 00:19:15.765

with the other virtual, any virtual

233

00:19:15.765 --> 00:19:17.445

correspondence on the call, please.

234

00:19:17.465 --> 00:19:19.125

Is there anyone else who'd like to introduce himself

235

00:19:19.125 --> 00:19:20.485

and speak today at today's hearing?

236

00:19:21.385 --> 00:19:23.405

If you'd like to put your hand up, I'll try and come to you.

237

00:19:29.425 --> 00:19:30.915

Okay, thank you. Uh,

238

00:19:30.915 --> 00:19:33.235

and then I'm going to move into the room.

239

00:19:33.295 --> 00:19:35.195

Are there any, uh, participants in the room

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00:19:35.335 --> 00:19:36.875

who potentially would like to speak today

241

00:19:37.215 --> 00:19:39.795

and identify themselves now, or feel free to do that later?

242

00:19:39.975 --> 00:19:41.595

Uh, relevant item if you'd like to.

243

00:19:46.705 --> 00:19:47.755

Okay. Thank you very much.

244

00:19:48.945 --> 00:19:49.235

Just

245

00:19:57.845 --> 00:19:59.235

Right, we're moving on.

246

00:20:01.805 --> 00:20:04.915

Sorry. Okay.

247

00:20:04.915 --> 00:20:06.995

Again, if you want to speak at any point throughout the

248

00:20:06.995 --> 00:20:08.675

hearing, please just feel free to put your hand up

249

00:20:08.675 --> 00:20:10.075

and I'll try and come to you as soon as I can.

250

00:20:12.175 --> 00:20:14.675

So, moving on to item two now, which is the purpose

251

00:20:14.695 --> 00:20:16.515

of this issue specific hearing.

252

00:20:17.415 --> 00:20:19.795

Um, the main purpose of this first hearing is just

253

00:20:19.795 --> 00:20:22.315

to gain an overview of the planned use construction

254

00:20:22.315 --> 00:20:25.275

operation and decommissioning of the proposed development,

255

00:20:25.375 --> 00:20:28.515

and to undertake an examination of the, um, uh,

256

00:20:28.515 --> 00:20:30.235

development consent order articles

257

00:20:30.235 --> 00:20:31.355
and schedules a little bit later.

258

00:20:32.175 --> 00:20:33.875
In particular, what I'd like to consider is

259

00:20:34.015 --> 00:20:35.715
how the proposed development will operate

260

00:20:35.975 --> 00:20:38.235
and what will come into and outta the development

261

00:20:38.455 --> 00:20:40.755
and any associated risks that may arise from that.

262

00:20:41.375 --> 00:20:43.395
The timescales of the proposed development,

263

00:20:43.395 --> 00:20:44.795
particularly its construction

264

00:20:45.495 --> 00:20:47.405
and how this will interact with the local community

265

00:20:47.405 --> 00:20:48.605
and the surrounding nature sites,

266

00:20:49.225 --> 00:20:51.005
and how the proposed development will interact

267

00:20:51.005 --> 00:20:53.085
with the local community in these nature sites throughout

268

00:20:53.145 --> 00:20:54.685
its day-to-day operation.

269

00:20:55.505 --> 00:20:57.965
And then regarding the draft, uh, development consent order,

270

00:20:57.965 --> 00:20:59.765

what I'd like to consider there is issues around

271

00:20:59.865 --> 00:21:02.045

how the development consent order is intended to work

272

00:21:02.225 --> 00:21:06.205

and what would be consented, um, the extent of the powers

273

00:21:06.205 --> 00:21:07.205

and what requirements

274

00:21:07.345 --> 00:21:10.965

and agreements are being proposed, any possible issues

275

00:21:10.985 --> 00:21:12.165

of prevention, mitigation,

276

00:21:12.165 --> 00:21:14.685

or compensation, which may not be covered currently in the

277

00:21:14.685 --> 00:21:16.045

draft development consent order,

278

00:21:17.025 --> 00:21:18.085

and the justification

279

00:21:18.105 --> 00:21:20.205

for any changes from established practice.

280

00:21:21.065 --> 00:21:23.685

I'd also like to look at the needs for changes to any other

281

00:21:24.315 --> 00:21:25.685

legislative provisions

282

00:21:26.065 --> 00:21:28.325

and the need for protective provisions in their scope.

283

00:21:28.865 --> 00:21:31.005

And then finally, just the initial views of any, uh,

284

00:21:31.005 --> 00:21:33.805

interested, uh, parties in room as the appropriateness

285

00:21:34.185 --> 00:21:36.365

and the proportionality or the efficacy of, um,

286

00:21:36.945 --> 00:21:39.405

the proposals within the draft development consent order.

287

00:21:40.705 --> 00:21:42.405

Um, I'll come onto those questions in a moment,

288

00:21:42.505 --> 00:21:44.245

but the, the draft development consent order

289

00:21:44.245 --> 00:21:45.405

is an important document.

290

00:21:45.405 --> 00:21:47.645

It's this hearing is being held on a without prejudice

291

00:21:47.655 --> 00:21:49.325

basis in that essence.

292

00:21:49.385 --> 00:21:51.885

So even if your position is that the,

293

00:21:51.905 --> 00:21:54.565

the draft development consent order should not be granted,

294

00:21:55.145 --> 00:21:57.245

um, it's the, um, and

295

00:21:57.245 --> 00:21:59.605

therefore the Secretary State should not make that decision.

296

00:22:00.225 --> 00:22:02.645

You, you can make representations in this hearings on its

297

00:22:02.645 --> 00:22:04.285

drafting and its, uh, uh, wording

298

00:22:04.285 --> 00:22:07.125

and what have you, without conceding to your wider position

299

00:22:07.125 --> 00:22:08.805

that you, you don't support

300

00:22:08.825 --> 00:22:10.765

or believe in the draft development consent or whatever.

301

00:22:10.765 --> 00:22:12.085

So that's the first thing for me to say to you.

302

00:22:12.085 --> 00:22:14.205

Please feel if you're making a comment about specific

303

00:22:14.205 --> 00:22:15.525

article, I'm not gonna take that into account

304

00:22:15.525 --> 00:22:17.805

that you support the whole application or not.

305

00:22:18.625 --> 00:22:21.325

Um, it's important for me as the examining authority

306

00:22:21.645 --> 00:22:24.165

'cause I'm under a duty to provide the Secretary of State

307

00:22:24.165 --> 00:22:26.925

with the best drafted development consent order that we can.

308

00:22:27.745 --> 00:22:29.285

And even if we end up recommending

309

00:22:29.285 --> 00:22:33.565

that the order should not be made, um, uh, I still have

310

00:22:33.565 --> 00:22:35.205

to give the Secretary of State a copy

311

00:22:35.265 --> 00:22:36.885
of a draft development consent order

312

00:22:36.885 --> 00:22:38.685
that they can make in case they

313

00:22:38.925 --> 00:22:40.085
disagree with my recommendation.

314

00:22:41.385 --> 00:22:44.045
So I will still append a copy

315

00:22:44.045 --> 00:22:46.045
of a draft development consent order for the Secretary

316

00:22:46.045 --> 00:22:48.285
of State to consider regardless of,

317

00:22:48.285 --> 00:22:50.125
whichever way my decision may go later,

318

00:22:50.225 --> 00:22:51.365
my recommendation may go later.

319

00:22:51.365 --> 00:22:54.805
Sorry. So there are any questions on, on how we're gonna go

320

00:22:54.805 --> 00:22:57.125
through this particular hearing.

321

00:22:59.265 --> 00:23:01.115
Okay. I'll move on if that's okay.

322

00:23:01.455 --> 00:23:03.835
I'm gonna move on now to the, the first item, which was,

323

00:23:03.835 --> 00:23:04.955
as I said earlier, the general

324

00:23:04.955 --> 00:23:06.315

description of the proposed development.

325

00:23:06.315 --> 00:23:08.595

And what I'm really looking for for the applicant here is,

326

00:23:08.935 --> 00:23:10.795

um, to briefly describe

327

00:23:10.795 --> 00:23:12.635

that development at quite a high level.

328

00:23:12.715 --> 00:23:13.755

I appreciate it's a very complex

329

00:23:13.755 --> 00:23:15.715

and detailed, uh, undertaking.

330

00:23:16.175 --> 00:23:18.555

Uh, but if you give us some sort of idea of the scale of it,

331

00:23:18.895 --> 00:23:20.115

the, the timeline

332

00:23:20.335 --> 00:23:22.115

and the processes that actually be going on

333

00:23:22.215 --> 00:23:23.395

and operational at the site,

334

00:23:23.895 --> 00:23:26.475

I'm then gonna ask some questions on a follow up from that.

335

00:23:26.475 --> 00:23:27.675

And then I'll also go out to the room

336

00:23:27.675 --> 00:23:28.715

if any interested parties.

337

00:23:28.785 --> 00:23:30.155

We'd also like to follow up any questions.

338

00:23:30.855 --> 00:23:34.275

So item 3.1, which is the overview

339

00:23:34.275 --> 00:23:36.475

of the proposed development inputs, outputs,

340

00:23:36.475 --> 00:23:38.315

treatment waste, and coolant products.

341

00:23:38.755 --> 00:23:40.195

I just wonder if you perhaps give me,

342

00:23:41.455 --> 00:23:43.955

in your best guess a synopsis of the overview

343

00:23:43.955 --> 00:23:46.605

of the function of the plant, what comes into it,

344

00:23:46.605 --> 00:23:48.605

what will leave the plant, the waste streams,

345

00:23:48.605 --> 00:23:50.605

the Kuna products, and any other inputs

346

00:23:50.605 --> 00:23:52.645

or outputs that will come into the sites, please.

347

00:23:55.895 --> 00:23:58.005

Thank you, sir. James TR0 for the applicant.

348

00:23:58.105 --> 00:24:00.725

Sir, I'm just going to give a brief introduction on that

349

00:24:00.785 --> 00:24:02.125

and then I'm gonna hand over to Mr.

350

00:24:02.155 --> 00:24:04.725

Brownwood to give you, uh, a more,

351

00:24:05.805 --> 00:24:07.845

a technical assessment of those points.

352

00:24:08.185 --> 00:24:10.845

And you mentioned the DCO

353

00:24:11.865 --> 00:24:14.565

and when we get to that, um, Mrs. Dyer,

354

00:24:14.665 --> 00:24:18.165

who I introduced earlier, is going to take over in relation

355

00:24:18.165 --> 00:24:20.245

to the, the legal provisions.

356

00:24:20.865 --> 00:24:24.965

But, so if I could just, um, before Mr. I hand over to Mr.

357

00:24:24.965 --> 00:24:28.205

Brownwood just to explain of course, that we're,

358

00:24:28.205 --> 00:24:31.205

we're very pleased to, we're delighted to be here to promote

359

00:24:32.145 --> 00:24:36.365

the development consort consent order for the Connors key,

360

00:24:37.025 --> 00:24:38.925

um, low carbon power development.

361

00:24:39.065 --> 00:24:42.285

And as you will have seen, of course, it involves demolition

362

00:24:42.585 --> 00:24:47.325

of the existing gas treatment plant that's on the site among

363

00:24:47.505 --> 00:24:49.445

and amongst other things, the construction

364

00:24:49.465 --> 00:24:53.725

and operation of the low carbon combined cycle gas turbine

365

00:24:54.295 --> 00:24:57.565

generating station with the carbon capture plant.

366

00:24:57.665 --> 00:25:00.805

And you'll hear about a bit more about that in a moment, uh,

367

00:25:00.825 --> 00:25:01.965

and some other developments.

368

00:25:02.105 --> 00:25:04.485

And that's intended to deliver flexible

369

00:25:04.485 --> 00:25:07.965

and reliable generation of up to a likely maximum

370

00:25:08.105 --> 00:25:12.725

of 1.38 gigawatts, um, of low carbon power

371

00:25:12.825 --> 00:25:14.685

to meet the critical need for electricity.

372

00:25:15.585 --> 00:25:19.765

And, uh, as we discussed, I think this morning also,

373

00:25:20.545 --> 00:25:25.285

uh, involve the capture of carbon dioxide emissions, which,

374

00:25:25.465 --> 00:25:27.805

um, then will be

375

00:25:28.085 --> 00:25:32.365

provided via the high net carbon dioxide pipeline project

376

00:25:33.075 --> 00:25:36.085

into that pipeline, which was previously consented

377

00:25:36.205 --> 00:25:38.565

and doesn't form part of this DCO.

378

00:25:39.345 --> 00:25:43.645

And that is intended to allow that captured carbon dioxide

379

00:25:43.645 --> 00:25:44.645
to be transported

380

00:25:44.705 --> 00:25:49.365
to permanent offshore storage facilities in Liverpool Bay.

381

00:25:50.465 --> 00:25:52.125
And, um, I'll allow Mr.

382

00:25:52.125 --> 00:25:53.845
Roundwood to explain that in more detail.

383

00:25:53.905 --> 00:25:57.045
But the, the legal context you'll be very familiar with.

384

00:25:57.185 --> 00:25:58.965
But I just wanted to emphasize of course,

385

00:25:58.995 --> 00:26:02.605
that this is a nationally significant infrastructure project

386

00:26:02.625 --> 00:26:06.365
that's proposed for the purposes of the planning Act 2008.

387

00:26:06.825 --> 00:26:09.045
And of course under section 104, the

388

00:26:09.675 --> 00:26:12.325
primary policy framework for what we are about

389

00:26:12.325 --> 00:26:15.845
to consider is the relevant national policy statements.

390

00:26:16.065 --> 00:26:18.805
And as, as you'll be well aware, um,

391

00:26:19.365 --> 00:26:22.165
slightly strangely here, that is the MPS

392

00:26:22.165 --> 00:26:24.885
amongst other things, the mp, SEN one

393

00:26:25.385 --> 00:26:29.205
and M-P-S-E-N two that are actually dated

394

00:26:30.225 --> 00:26:32.845
or came into force in 2024

395

00:26:33.785 --> 00:26:36.445
and not the most recent

396

00:26:37.725 --> 00:26:40.405
revised versions of those mpss,

397

00:26:40.405 --> 00:26:43.525
which came into force in January, 2026.

398

00:26:43.625 --> 00:26:44.885
And that's because of course

399

00:26:45.675 --> 00:26:48.805
this particular application was accepted for examination

400

00:26:49.495 --> 00:26:52.965
under that previous NPS arrangement.

401

00:26:53.705 --> 00:26:55.525
And Mr. Bull's going to help you with

402

00:26:55.525 --> 00:26:58.125
that policy framework insofar as your agenda touches on it,

403

00:26:58.425 --> 00:26:59.605
uh, later on.

404

00:27:00.345 --> 00:27:03.605
Um, but you know, under those mpss,

405

00:27:03.605 --> 00:27:06.565

there's an identified urgent need for this type of

406

00:27:07.415 --> 00:27:09.165

generation and

407

00:27:09.465 --> 00:27:11.805

to which substantial weight is to be accorded.

408

00:27:11.805 --> 00:27:14.605

But in addition, of course, this type

409

00:27:14.605 --> 00:27:17.885

of new low carbon infrastructure has been identified

410

00:27:17.885 --> 00:27:22.205

as a critical national priority in the NPS.

411

00:27:22.945 --> 00:27:25.805

And of course that means that the residual effects

412

00:27:25.905 --> 00:27:30.885

of a project meeting that need, um, will, uh,

413

00:27:31.685 --> 00:27:33.965

outweigh any so will be outweighed by

414

00:27:33.965 --> 00:27:36.325

that need except in the most exceptional cases.

415

00:27:37.025 --> 00:27:40.925

And that's just a brief sketch of the, the framework

416

00:27:40.925 --> 00:27:43.365

that we say is in place

417

00:27:43.505 --> 00:27:44.845

and of course provides

418

00:27:44.985 --> 00:27:47.485

to put it mildly very strong policy support for

419

00:27:47.485 --> 00:27:49.165
what we are seeking to promote.

420

00:27:50.505 --> 00:27:54.325
And, uh, I I, you've already got the details

421

00:27:54.345 --> 00:27:55.525
of the paragraphs on this.

422

00:27:55.585 --> 00:27:57.885
I'm not gonna give you the paragraph numbers in the NPS,

423

00:27:57.905 --> 00:27:58.925
but which deal with that.

424

00:27:59.625 --> 00:28:01.885
We, we just note at this stage, of course, that the

425

00:28:02.435 --> 00:28:03.845
UK's independent advisor

426

00:28:04.465 --> 00:28:07.445
or the government's UK independent advisor on climate change

427

00:28:08.265 --> 00:28:12.685
has identified that that demand for electricity is forecast

428

00:28:12.745 --> 00:28:17.525
to increase by 50% by 2035.

429

00:28:18.705 --> 00:28:22.045
And, uh, itself, the CCC advises that a range

430

00:28:22.045 --> 00:28:24.645
of different technologies are required to meet that need,

431

00:28:24.645 --> 00:28:29.245
of course, including gas generation, um, with carbon capture

432

00:28:29.305 --> 00:28:32.045

and storage in order to maintain a secure

433

00:28:32.045 --> 00:28:34.805
and stable supply of electricity.

434

00:28:35.505 --> 00:28:37.485
And so that's why I've just introduced that

435

00:28:37.745 --> 00:28:39.205
before we get into the details.

436

00:28:39.235 --> 00:28:40.685
That is the context of

437

00:28:40.835 --> 00:28:43.245
what we say is an urgently needed project,

438

00:28:43.605 --> 00:28:46.565
a critical national priority to generate

439

00:28:46.675 --> 00:28:49.525
that low carbon power to provide

440

00:28:49.785 --> 00:28:52.005
or generate electricity whenever it's required.

441

00:28:52.715 --> 00:28:55.525
With that said, I'm gonna hand over and,

442

00:28:55.585 --> 00:28:58.365
and literally turn my microphone towards Mr.

443

00:28:58.395 --> 00:29:01.565
Brownwood, who's then going to, uh,

444

00:29:01.755 --> 00:29:03.565
give you a bit more detail on the

445

00:29:04.605 --> 00:29:05.965
constituent elements of the development.

446

00:29:07.385 --> 00:29:12.165

That's it. This is acid test, isn't it,

447

00:29:12.165 --> 00:29:13.405

Roger Brand for the applicant?

448

00:29:13.985 --> 00:29:18.125

Um, so yes, the projects includes, um, plans

449

00:29:18.145 --> 00:29:20.245

to develop a new combined cycle gas turbine

450

00:29:20.815 --> 00:29:23.165

power station at Juniper's Land at Connors key.

451

00:29:23.705 --> 00:29:25.765

The new Connors key power station would be fitted

452

00:29:25.765 --> 00:29:29.245

with carbon capture from, um, to capture CO2 emissions.

453

00:29:29.745 --> 00:29:31.805

The proposed power station would connect

454

00:29:32.435 --> 00:29:34.125

into nearby CO2 transport

455

00:29:34.125 --> 00:29:35.925

and storage infrastructure as part

456

00:29:35.925 --> 00:29:37.365

of the high net industrial cluster,

457

00:29:38.445 --> 00:29:41.485

enabling the captured CO2 to then be safely transported

458

00:29:41.505 --> 00:29:43.965

to permanent offshore storage, um,

459

00:29:44.225 --> 00:29:46.605

and repurposed depleted offshore gas fields.

460

00:29:47.905 --> 00:29:49.605

The new power station's expected to

461

00:29:49.745 --> 00:29:52.485

to be developed in two phases with roughly half

462

00:29:52.485 --> 00:29:54.405

of its eventual capacity, um,

463

00:29:54.425 --> 00:29:56.365

of low carbon power delivered in phase one

464

00:29:56.795 --> 00:30:00.525

with a later expansion of up to the 1.38 gigawatts.

465

00:30:01.225 --> 00:30:04.205

Um, um, you know,

466

00:30:04.205 --> 00:30:08.645

in due course phase one could be operational by 2030, um,

467

00:30:08.745 --> 00:30:11.045

and the proposed development would have an operational life

468

00:30:11.045 --> 00:30:12.085

of up to 30 years.

469

00:30:13.225 --> 00:30:15.405

The CO2 captured will depend on the amount

470

00:30:15.405 --> 00:30:18.205

of electricity generated, which will vary

471

00:30:18.265 --> 00:30:19.365

to match demand needs.

472

00:30:19.815 --> 00:30:22.885

Based on our current modeling at full load, uh, we'd expect

473

00:30:22.885 --> 00:30:26.685

that to capture up to 4.7 million tons per annum, um,

474

00:30:26.785 --> 00:30:29.445

for the full development of 1.38 gigawatts,

475

00:30:29.445 --> 00:30:32.405

though in reality as the purpose of the project is

476

00:30:32.405 --> 00:30:35.445

to provide flexible power to provide security supply,

477

00:30:35.945 --> 00:30:38.165

the actual CO2 captured will be,

478

00:30:38.195 --> 00:30:39.325

will be less than that figure.

479

00:30:41.025 --> 00:30:43.765

The proposed development benefits from the potential

480

00:30:43.765 --> 00:30:47.085

to take advantage of the existing natural gas, electricity

481

00:30:47.085 --> 00:30:49.805

and other connections and infrastructure at the Connors key

482

00:30:49.805 --> 00:30:51.805

site, um, with existing skills

483

00:30:51.905 --> 00:30:53.285

and experience of the team there

484

00:30:53.505 --> 00:30:55.285

and secure future low carbon

485

00:30:56.205 --> 00:30:58.805

flexible power generation at the site, um,

486

00:30:58.945 --> 00:31:01.325

whilst also minimizing the need for the use

487

00:31:01.325 --> 00:31:02.965
of compulsory acquisition powers.

488

00:31:03.905 --> 00:31:06.685
Um, I'll return to that almost unique potential of the, uh,

489

00:31:06.705 --> 00:31:10.045
of the projects and s key site later under item 3.6.

490

00:31:11.105 --> 00:31:15.325
Um, the proposed developments would bring over 80 indirect

491

00:31:15.585 --> 00:31:17.885
and direct roles during the operational phase

492

00:31:18.385 --> 00:31:22.165
and is estimated to create almost 700 net additional roles

493

00:31:22.185 --> 00:31:25.645
during the construction phase, um, and obviously well

494

00:31:25.745 --> 00:31:27.565
and add significant value to the local economy.

495

00:31:28.425 --> 00:31:31.365
Uh, currently there are two competitive front end

496

00:31:31.605 --> 00:31:33.765
engineering designs under consideration

497

00:31:33.875 --> 00:31:35.605
with the final technology selection

498

00:31:35.705 --> 00:31:38.165
and construct to be selected in due course.

499

00:31:39.185 --> 00:31:42.085
The design of the proposed development would be refined in

500

00:31:42.085 --> 00:31:44.645

accordance with parameters outlined in this application

501

00:31:44.705 --> 00:31:47.885

and the ES and the design principles detailed in the design

502

00:31:47.885 --> 00:31:49.045

principles document

503

00:31:54.785 --> 00:31:55.785

Run into.

504

00:31:55.915 --> 00:31:58.725

Yeah, so just kind of rolling on there.

505

00:31:58.945 --> 00:32:03.605

Um, plate 4.1 of chapter four, a P 0 4 2

506

00:32:03.985 --> 00:32:06.325

of the ES provides a process schematic

507

00:32:06.465 --> 00:32:09.565

of the proposed development with an overview of the inputs

508

00:32:09.565 --> 00:32:11.885

and outputs during operation.

509

00:32:11.945 --> 00:32:14.125

The plants uses natural gas as a fuel.

510

00:32:14.945 --> 00:32:18.285

Um, other inputs include towns, main's water, cooling water,

511

00:32:18.385 --> 00:32:21.005

and other chemicals and consumables in small quantities

512

00:32:21.005 --> 00:32:24.325

including ammonia solution amine and sodium hydroxide

513

00:32:24.325 --> 00:32:29.285

and sulfuric acid Outputs include the returned cooling

514

00:32:29.285 --> 00:32:32.645

water captured, CO2 byproducts from the carbon capture

515

00:32:32.645 --> 00:32:35.605

process and the CO2 depleted flue gas from the

516

00:32:35.605 --> 00:32:36.645

combustion of natural gas.

517

00:32:37.175 --> 00:32:39.450

There will also be some processed water discharge

518

00:32:39.465 --> 00:32:41.125

and treated black and gray water,

519

00:32:41.545 --> 00:32:43.245

um, discharged to the river d.

520

00:32:44.215 --> 00:32:45.845

These will be regulated in line

521

00:32:45.955 --> 00:32:47.885

with the without environmental permit.

522

00:32:48.785 --> 00:32:52.005

Um, once obtained, the carbon capture process will also

523

00:32:52.005 --> 00:32:53.765

produce some waste, reclaim the sludge

524

00:32:53.765 --> 00:32:54.845

and some other purge flows.

525

00:32:55.135 --> 00:32:57.885

Again, this waste will be regulated under the environmental

526

00:32:57.885 --> 00:33:00.165

permit and disposed of appropriately.

527

00:33:01.465 --> 00:33:05.805

Um, paragraph 4.2 0.34 of chapter four provides a summary

528

00:33:05.905 --> 00:33:07.245

of the natural gas connection.

529

00:33:07.745 --> 00:33:10.485

Um, for the fuel for the common ki low carbon power abator

530

00:33:10.485 --> 00:33:13.845

generation station, um, natural gas would be supplied

531

00:33:13.845 --> 00:33:16.765

through the existing Burton point above ground installation

532

00:33:17.225 --> 00:33:19.725

and the applicant's pipeline to the existing Connors key

533

00:33:19.775 --> 00:33:23.125

above ground installation gas connection works within the

534

00:33:23.125 --> 00:33:25.485

main development area are described further in the gas

535

00:33:25.485 --> 00:33:28.045

connection statements a PP 2 59

536

00:33:28.585 --> 00:33:31.405

and shown on the indicative gas supply pipeline connection

537

00:33:31.505 --> 00:33:36.485

and above ground installation plans, um, a P 2 74.

538

00:33:37.825 --> 00:33:39.485

The proposed development will continue

539

00:33:39.485 --> 00:33:41.365

to utilize the existing connection

540

00:33:41.365 --> 00:33:42.685

to the site from Burton point

541

00:33:43.235 --> 00:33:45.605

with the new piping connections being within the main

542

00:33:45.605 --> 00:33:48.685

development area between the already existing A GI

543

00:33:49.225 --> 00:33:51.685

and on site and the proposed gas turbines.

544

00:33:54.075 --> 00:33:57.805

Paragraph 4.2 0.51 of chapter four provides a summary

545

00:33:57.865 --> 00:34:00.445

of the connection to the existing towns water pipelines

546

00:34:00.465 --> 00:34:02.485

as illustrated on the indicative towns

547

00:34:02.485 --> 00:34:03.565

water connection plans.

548

00:34:04.045 --> 00:34:05.085

A PP 2 7 5.

549

00:34:06.105 --> 00:34:08.645

The exact connection point is not fixed, but it will,

550

00:34:09.065 --> 00:34:11.765

but it would be along the site entrance road, um,

551

00:34:11.945 --> 00:34:13.245

are shown on the connection plan.

552

00:34:13.345 --> 00:34:15.845

So requiring only a relatively short section

553

00:34:15.865 --> 00:34:17.485

of new piping within the land holding

554

00:34:18.705 --> 00:34:22.845
and paragraphs 4.2 0.38 to 4.2 0.44

555

00:34:23.305 --> 00:34:24.765
of chapter four provide a summary

556

00:34:24.765 --> 00:34:27.005
of the cooling water abstraction and discharge.

557

00:34:27.825 --> 00:34:29.565
Uh, it's anticipated that

558

00:34:29.915 --> 00:34:31.725
that abstraction would be intermittent

559

00:34:32.025 --> 00:34:34.365
and limited to no more than three hours per tide

560

00:34:34.905 --> 00:34:37.045
around high water with purge.

561

00:34:37.185 --> 00:34:39.965
Um, also being no more than three hours commencing on

562

00:34:39.965 --> 00:34:41.085
the ebb, um, tide.

563

00:34:41.185 --> 00:34:43.965
One hour after high water cooling water would be

564

00:34:44.605 --> 00:34:49.405
abstracted at a rate of 3.04 cubic meters per second, um,

565

00:34:49.425 --> 00:34:51.605
and up to 33 megaliters per high tide.

566

00:34:52.185 --> 00:34:54.925
The assumption is, um, is regulated through the permit

567

00:34:55.265 --> 00:34:56.285

and licensing process

568

00:34:56.505 --> 00:34:59.245

and would be consistent with the current arrangements

569

00:34:59.245 --> 00:35:00.765

for cooling water abstraction

570

00:35:00.765 --> 00:35:02.445

and discharge at the existing con's.

571

00:35:02.445 --> 00:35:05.685

Key site. The periodic abstraction

572

00:35:05.685 --> 00:35:08.325

and discharge requires storage capacity for makeup

573

00:35:08.425 --> 00:35:11.765

and purge via holding ponds in the main development area.

574

00:35:12.385 --> 00:35:14.885

The existing squee power station, cooling water, makeup,

575

00:35:14.905 --> 00:35:17.685

and purge tanks as shown on the existing station.

576

00:35:17.685 --> 00:35:20.845

Shared infrastructure drawing will be tied into the proposed

577

00:35:20.845 --> 00:35:22.005

debated generating station.

578

00:35:23.095 --> 00:35:24.965

Again, this is an example of, of

579

00:35:24.965 --> 00:35:26.805

where rather than creating new infrastructure,

580

00:35:27.305 --> 00:35:30.205

the proposed development seeks to maximize the use of, uh,

581

00:35:30.205 --> 00:35:33.845

already existing and established connections process.

582

00:35:33.935 --> 00:35:38.605

Wastewater management is outlined in paragraphs 4.2 0.45

583

00:35:38.625 --> 00:35:40.165

to four seven of chapter four.

584

00:35:41.115 --> 00:35:44.325

Four sources of wastewater are identified neutralized

585

00:35:44.605 --> 00:35:47.285

effluent streams from demineralization,

586

00:35:47.945 --> 00:35:50.205

low dine blow down from the carbon capture plants,

587

00:35:50.205 --> 00:35:53.725

and the combined cycle gas turbines treated effluence from

588

00:35:53.725 --> 00:35:54.805

the carbon capture plants

589

00:35:55.065 --> 00:35:56.685

and contaminated surface water

590

00:35:56.875 --> 00:35:58.165

arising from the process areas.

591

00:35:58.985 --> 00:36:03.125

Um, in addition, paragraph 4.250 outlines the management

592

00:36:03.125 --> 00:36:05.085

of domestic and sanitary effluence.

593

00:36:07.165 --> 00:36:10.005

Drainage of the operational footprint is summarized in

594

00:36:10.005 --> 00:36:14.485

paragraph 4.2 0.49, chapter four with requirement five

595

00:36:14.625 --> 00:36:17.165

of the draft DC0 securing the development

596

00:36:17.165 --> 00:36:19.725

of a detailed drainage design in accordance

597

00:36:19.725 --> 00:36:21.125

with Appendix 13 D.

598

00:36:21.465 --> 00:36:23.485

The outline surface water drainage strategy.

599

00:36:24.515 --> 00:36:27.365

This includes the provision of a surface water of, sorry,

600

00:36:27.365 --> 00:36:30.685

provision of a new surface water outfall adjacent to the

601

00:36:31.325 --> 00:36:32.925

existing surface water outfall

602

00:36:33.025 --> 00:36:34.765

for the existing con key power station.

603

00:36:36.145 --> 00:36:40.725

Uh, section 2.9 of the framework Kemp, um,

604

00:36:40.885 --> 00:36:41.885

a PP 2 4 6

605

00:36:42.265 --> 00:36:45.045

and supporting framework site to waste management plan.

606

00:36:45.085 --> 00:36:49.085

Appendix B established provision, um, of, um, recycling

607

00:36:49.085 --> 00:36:52.605

and disposal of waste CO2 connections

608

00:36:52.605 --> 00:36:55.605

and export routes will be discussed further in agenda item

609

00:36:55.605 --> 00:36:57.965

3.7, the

610

00:36:59.005 --> 00:37:00.605

proposed electrical grid connection.

611

00:37:00.825 --> 00:37:02.485

The electrical connection would consist

612

00:37:02.485 --> 00:37:03.645

of an electrical connection

613

00:37:03.645 --> 00:37:06.845

between the new combined cycle gas turbine generator

614

00:37:07.125 --> 00:37:10.405

transformers, and the existing national grid electricity

615

00:37:10.405 --> 00:37:14.005

transmission 400 KV substation via extension

616

00:37:14.005 --> 00:37:15.645

of the existing banking compound

617

00:37:15.745 --> 00:37:16.965

on the main development area.

618

00:37:17.595 --> 00:37:19.805

This would replace the electrical connection for all

619

00:37:19.825 --> 00:37:22.845

or some of the existing CCTs, um,

620

00:37:22.985 --> 00:37:26.005

of the existing con key power station in a phased approach.

621

00:37:26.705 --> 00:37:29.565

As such, the existing power circuit in connection

622

00:37:29.745 --> 00:37:34.285

to enge 400 KV substation within the electrical

623

00:37:34.285 --> 00:37:36.205

connection corridor will be reused.

624

00:37:37.785 --> 00:37:39.325

The consents

625

00:37:39.325 --> 00:37:40.885

and agreement position statements,

626

00:37:41.125 --> 00:37:45.365

A PP 0 2 1 provides details, um, on additional consents,

627

00:37:45.485 --> 00:37:49.285

licenses and permits, um, that the applicant may need

628

00:37:49.285 --> 00:37:52.485

to obtain to, um, to enable the construction operation

629

00:37:52.485 --> 00:37:54.565

and maintenance and decommissioning

630

00:37:54.745 --> 00:37:57.805

of the proposed development where these are not secured

631

00:37:57.805 --> 00:38:00.685

through or proposed to be consented by the DCA.

632

00:38:01.195 --> 00:38:02.925

This includes a water abstraction license,

633

00:38:03.155 --> 00:38:05.805

various environmental permits for water discharges,

634

00:38:05.905 --> 00:38:08.085

and also for the operation of the

635

00:38:08.685 --> 00:38:11.205

Connors Keith low carbon power abated generating station.

636

00:38:13.615 --> 00:38:16.925

Thank You. So Mr. Bramwood James for the applicant, Mr.

637

00:38:16.925 --> 00:38:20.085

Bramwood can also go on to deal with construction timescales

638

00:38:20.745 --> 00:38:22.885

and interaction with the local community

639

00:38:22.885 --> 00:38:24.205

and wildlife in a moment.

640

00:38:24.825 --> 00:38:26.165

But, um, subject

641

00:38:26.265 --> 00:38:30.125

to whether you got any further questions on 3.1,

642

00:38:30.225 --> 00:38:33.365

we can move on to 3.2 up entirely up to you. I'll

643

00:38:33.365 --> 00:38:34.845

Just come back on some points if I can please,

644

00:38:34.925 --> 00:38:36.765

because, um, thank you firstly

645

00:38:36.765 --> 00:38:38.645

for a very comprehensive overview of all, everything

646

00:38:38.645 --> 00:38:40.245

that's going in and out and what, you know,

647

00:38:40.355 --> 00:38:42.325

certainly I've got a lot of detail there, so thank you.

648

00:38:42.785 --> 00:38:47.325

Um, obviously we've read the application documents are, and,

649

00:38:47.325 --> 00:38:49.005

and some of the, some of the queries

650

00:38:49.005 --> 00:38:49.925

that I developed number will be coming

651

00:38:49.925 --> 00:38:50.845

in, recent questions as well.

652

00:38:51.435 --> 00:38:55.005

Were around some of those, um, materials

653

00:38:55.005 --> 00:38:56.325

that are coming into an outer site.

654

00:38:56.395 --> 00:38:57.805

I'll explain a little bit more about that now,

655

00:38:57.805 --> 00:38:59.725

but we don't necessarily have to go into detail now

656

00:38:59.845 --> 00:39:01.485

'cause that can go into written questions if you prefer.

657

00:39:01.545 --> 00:39:05.765

But for instance, um, I was interested, I'll be honest,

658

00:39:05.765 --> 00:39:07.405

what I wanted was a very high level summary of

659

00:39:07.405 --> 00:39:08.885

what you are trying to do and, you know,

660

00:39:09.885 --> 00:39:12.725

I think I understand what a combined cycle gas turbine is,

661

00:39:12.725 --> 00:39:15.045

but am I right in thinking gas comes into the site,

662

00:39:15.045 --> 00:39:17.045

you burn it, you're trying to capture some of the stuff

663

00:39:17.045 --> 00:39:18.965

that's coming off of it and you are spinning up turbines

664

00:39:18.965 --> 00:39:20.805

and I think it was really trying to make sure

665

00:39:20.805 --> 00:39:22.445

that we're all in the position that we understand

666

00:39:22.795 --> 00:39:24.325

what is trying to happen on site.

667

00:39:24.765 --> 00:39:26.685

I also appreciate it's an incredibly complex process

668

00:39:26.685 --> 00:39:28.245

and it's, thank you for going into the detail about

669

00:39:28.245 --> 00:39:29.285

some of the waste streams.

670

00:39:29.845 --> 00:39:31.565

I would like to pick up a little bit on things

671

00:39:31.565 --> 00:39:33.565

that you mentioned about, uh, for instance,

672

00:39:33.565 --> 00:39:35.845

could you perhaps, again, bearing in mind my lack

673

00:39:35.845 --> 00:39:37.605

of chemical engineering knowledge, uh,

674

00:39:38.455 --> 00:39:42.645

could you perhaps pick up a little bit on the need

675

00:39:42.645 --> 00:39:45.205

for town water supply, the, you know, town's water, um,

676

00:39:45.205 --> 00:39:46.925

and why, you know, is that part

677

00:39:46.925 --> 00:39:50.125

of the steam generation system or is that purely domestic?

678

00:39:50.205 --> 00:39:52.125

I I was just trying to get my head around are you

679

00:39:52.125 --> 00:39:53.245

supplementing supplies there?

680

00:39:53.265 --> 00:39:57.165

And then secondly you talk a bit about, um, thank you for,

681

00:39:57.165 --> 00:39:59.325

by the way, for clarifying the consents and permits and, and

682

00:39:59.425 --> 00:40:00.525

and for the processes

683

00:40:00.665 --> 00:40:02.125

of the materials that we're doing on site.

684

00:40:02.125 --> 00:40:03.565

But the second bit I was off is the makeup

685

00:40:03.585 --> 00:40:07.445

and purge a little bit about, um, again, I'm assuming that

686

00:40:07.645 --> 00:40:09.645

that's supplementing the use of some of the,

687

00:40:09.645 --> 00:40:11.365

perhaps the coolant water you're using on site,

688

00:40:11.365 --> 00:40:13.765

the steam generation, um, demineralized water.

689

00:40:13.765 --> 00:40:15.605

But if you could just, just explain a little bit

690

00:40:15.605 --> 00:40:18.925

to me more about what water you are taking.

691

00:40:19.405 --> 00:40:22.045

I appreciate this water coming from the river DI appreciate

692

00:40:22.045 --> 00:40:24.765

this water coming from the mains, uh, supply,

693

00:40:25.785 --> 00:40:27.405

the differences between those two

694

00:40:28.065 --> 00:40:30.285

and what water's coming back out a little bit.

695

00:40:30.325 --> 00:40:32.005

I I, I appreciate you also described the four

696

00:40:32.005 --> 00:40:34.285

what wastewater streams apart from domestic waste.

697

00:40:34.345 --> 00:40:37.205

So I think, I think you did touch on that to be fair. Okay.

698

00:40:37.985 --> 00:40:40.805

Um, Roger brand for the applicant.

699

00:40:41.145 --> 00:40:44.405

Um, so yes, I mean the, the largest flow

700

00:40:44.665 --> 00:40:48.005

by some distance is the cooling water abstraction from the

701

00:40:48.085 --> 00:40:51.805

D, which is used for as it as, as it suggests cooling,

702

00:40:51.805 --> 00:40:53.965

cooling the process down, so condensing steam,

703

00:40:53.965 --> 00:40:55.925

but also providing process cooling.

704

00:40:56.545 --> 00:40:59.845

And that's, that's not a continuous abstraction and return

705

00:40:59.845 --> 00:41:01.645

because of the tidal flow of the D.

706

00:41:02.265 --> 00:41:04.445

Um, so that needs to match high low

707

00:41:04.455 --> 00:41:05.805

tides and so on and so forth.

708

00:41:06.145 --> 00:41:07.245

So, so we, you know,

709

00:41:07.245 --> 00:41:09.205

that's particularly the return is described

710

00:41:09.205 --> 00:41:11.325

as being via the, via the purge ponds,

711

00:41:11.325 --> 00:41:13.965

but it's, it's more a kind of a release, right.

712

00:41:13.985 --> 00:41:16.045

If you like a return, maybe a better way of putting that.

713

00:41:16.045 --> 00:41:19.965

In fact, um, in terms of other process water flows there,

714

00:41:19.965 --> 00:41:22.245

it's, it's, you know, this is perhaps more a topic

715

00:41:22.265 --> 00:41:23.605

for the environmental permit,

716

00:41:24.185 --> 00:41:27.725

but you know, the kind of, um, efficient use

717

00:41:27.725 --> 00:41:30.005

of water in the process is, is, is,

718

00:41:30.025 --> 00:41:31.525

is an important aspect of the design.

719

00:41:32.065 --> 00:41:33.445

Um, so I'd be looking to do that.

720

00:41:33.585 --> 00:41:36.565

But you know, regardless of that there will be a need for,

721

00:41:36.985 --> 00:41:39.365

you know, new water going in, if you like, for the,

722

00:41:39.385 --> 00:41:42.045

for the process itself to make up for some losses

723

00:41:42.225 --> 00:41:45.525

and some materials that need to, need to leave,

724

00:41:46.085 --> 00:41:47.485

leave the process and be purged.

725

00:41:47.945 --> 00:41:51.965

So that's part of it. But also, um, there will be a kind of

726

00:41:52.675 --> 00:41:54.845

what might sort loosely term this sort of domestic

727

00:41:54.905 --> 00:41:57.765

and sanitary elements as well for, um, you know, offices

728

00:41:58.025 --> 00:41:59.805

and changing facilities

729

00:41:59.805 --> 00:42:02.125

and stuff like that for the, um, for the facility.

730

00:42:03.625 --> 00:42:05.165

So, sorry, just going back over that point.

731

00:42:05.165 --> 00:42:07.965

There, there, there, so there will be like, like you say,

732

00:42:09.425 --> 00:42:12.685

um, you described it town's main water supply into the

733

00:42:12.685 --> 00:42:13.765

process as well as Yeah.

734

00:42:13.765 --> 00:42:17.565

Yeah. Thank you. Yeah, right. Thank you very much. Um,

735

00:42:25.105 --> 00:42:25.645

and thank you.

736

00:42:25.645 --> 00:42:27.205

I think you've, you know, you've pretty much followed off

737

00:42:27.205 --> 00:42:28.645

some of the other stuff about the flow diagram Yeah.

738

00:42:28.645 --> 00:42:31.285

Illustrating in the, uh, appropriate documents.

739

00:42:31.285 --> 00:42:32.685

I've seen the flow diagrams, but I just wanted

740

00:42:32.685 --> 00:42:35.085

to make sure my, I've got my understanding of your start

741

00:42:35.085 --> 00:42:39.485

to finish process of how you take dev dinosaurs from the sea

742

00:42:39.485 --> 00:42:41.045

and uh, turn it into electricity if you like.

743

00:42:41.175 --> 00:42:45.005

Thank you. Right. Okay.

744

00:42:45.155 --> 00:42:48.165

Yeah, if we could now move on to item 3.2 please.

745

00:42:48.265 --> 00:42:49.685

Uh, the construction timescales

746

00:42:50.065 --> 00:42:51.845

and the interaction with the local community.

747

00:42:51.905 --> 00:42:53.685

Yep. Um, I'm looking again

748

00:42:54.805 --> 00:42:56.045

specifically a moment about the construction,

749

00:42:56.045 --> 00:42:58.405

so the appreciate, that's probably the sake

750

00:42:58.405 --> 00:43:00.325

of your development, the most destructive part

751

00:43:00.325 --> 00:43:02.085

of the local community, uh,

752

00:43:02.145 --> 00:43:03.965

and how that would impact with the local community

753

00:43:03.965 --> 00:43:07.485

and also the adjacent, um, natural, uh,

754

00:43:07.575 --> 00:43:09.005

designated wildlife sites.

755

00:43:10.235 --> 00:43:12.165

Okay. Uh, Roger branded for the applicant.

756

00:43:12.865 --> 00:43:15.205

So construction timescales, um,

757

00:43:15.805 --> 00:43:18.125

consideration has been given both to phased

758

00:43:18.265 --> 00:43:20.125

and simultaneous construction scenarios.

759

00:43:20.745 --> 00:43:23.885

The phased construction is anticipated to take nine years

760

00:43:24.175 --> 00:43:26.525

where a simultaneous construction would take five.

761

00:43:27.135 --> 00:43:29.325

These timescales are inclusive of commissioning

762

00:43:30.185 --> 00:43:32.845

the indicative programs for a phase construction

763

00:43:32.845 --> 00:43:35.805

and a single phase of construction works are shown in tables

764

00:43:35.875 --> 00:43:38.125

five one and five two of chapter five,

765

00:43:38.765 --> 00:43:39.845

construction management and program.

766

00:43:41.505 --> 00:43:44.365

The working hours, um,

767

00:43:44.755 --> 00:43:47.285

covered in section 5.5 of chapter five

768

00:43:47.515 --> 00:43:50.805

with core construction working hours being between eight,

769

00:43:51.065 --> 00:43:54.445

um, am and 6:00 PM Monday to Friday except bank holidays

770

00:43:54.985 --> 00:43:58.965

and six, uh, sorry, 8:00 AM to 1:00 PM on Saturdays.

771

00:43:59.265 --> 00:44:01.365

Um, however, it is likely

772

00:44:01.365 --> 00:44:04.445

that some construction activities may need to be undertaken

773

00:44:04.515 --> 00:44:06.205

outside these core working hours.

774

00:44:08.105 --> 00:44:11.885

Um, where outta hours work is, is, is needed, um,

775

00:44:12.985 --> 00:44:15.165

they'd comply with any restrictions agreed

776

00:44:15.165 --> 00:44:16.165

with the local planning authority.

777

00:44:16.625 --> 00:44:19.445

And in particular regarding control of, of noise

778

00:44:19.445 --> 00:44:21.805

and traffic, reduce effects on local people and,

779

00:44:21.805 --> 00:44:26.645

and the environment, um, on shift times in traffic.

780

00:44:26.785 --> 00:44:29.245

So shift times mean construction workers would avoid

781

00:44:29.245 --> 00:44:31.125

traveling during the network peak.

782

00:44:31.505 --> 00:44:34.645

So that's between eight and 9:00 AM and, uh, five

783

00:44:34.645 --> 00:44:37.445

and 6:00 PM um, during weekdays.

784

00:44:38.265 --> 00:44:40.565

Um, should I hand over to Nick

785

00:44:41.865 --> 00:44:46.765

And I think you all also asking under this about the, um,

786

00:44:47.335 --> 00:44:50.925

local community and wildlife and it may, uh, I'll ask Mr.

787

00:44:50.975 --> 00:44:54.605

State to take over at that point to cover that,

788

00:44:56.905 --> 00:44:59.085

Uh, Nicholas State on behalf of the applicant.

789

00:44:59.265 --> 00:45:00.805

So just quickly touching on access

790

00:45:00.805 --> 00:45:04.165

to Wildlife hides in relation to the construction phase, um,

791

00:45:04.165 --> 00:45:08.325

chapter five of the ES app oh four three identifies the, a

792

00:45:08.925 --> 00:45:11.885

temporary alternative access to the Nature Reserve will be

793

00:45:12.045 --> 00:45:15.005

provided, um, to DNS members during the construction phase.

794

00:45:15.585 --> 00:45:18.045

And this would be through a designated access route

795

00:45:18.145 --> 00:45:19.565

around the southern

796

00:45:19.585 --> 00:45:21.445

and western boundaries of the temporary lay down

797

00:45:21.545 --> 00:45:22.645
on the main development area.

798

00:45:23.065 --> 00:45:25.965
And this is on figure five, three construction areas,

799

00:45:25.965 --> 00:45:27.765
which we can, we, we, we can pull up if we

800

00:45:27.765 --> 00:45:28.805
need to to talk about that.

801

00:45:29.265 --> 00:45:34.165
And that is app oh eight three in relation to, uh,

802

00:45:34.285 --> 00:45:35.525
a document that you referenced earlier,

803

00:45:35.585 --> 00:45:37.725
the framework Construction environmental management plan,

804

00:45:38.265 --> 00:45:41.125
um, that is a framework for the management

805

00:45:41.125 --> 00:45:43.365
of the environmental impacts during the construction phase

806

00:45:43.385 --> 00:45:47.325
as post development and it would be prepared, uh,

807

00:45:47.365 --> 00:45:49.525
a final version of this plan would be prepared

808

00:45:49.945 --> 00:45:52.725
by the principal contractor, uh, for each phase

809

00:45:52.725 --> 00:45:54.165
of the construction in accordance

810

00:45:54.165 --> 00:45:55.885

with requirement four, the draft ECO.

811

00:45:56.585 --> 00:45:58.605

Um, and it provides details of measures

812

00:45:58.605 --> 00:46:00.645

that have been considered within the environmental statement

813

00:46:00.645 --> 00:46:01.965

to minimize environmental effects.

814

00:46:02.305 --> 00:46:04.965

And each of these are listed out in relevant tables under

815

00:46:05.065 --> 00:46:06.485

the topics, uh, disciplines.

816

00:46:08.545 --> 00:46:11.045

The framework Construction Environmental Management plan

817

00:46:11.195 --> 00:46:14.005

also has table one, uh, which identifies a suite

818

00:46:14.105 --> 00:46:16.045

of other plans and procedures referred to

819

00:46:16.045 --> 00:46:18.445

as environmental control plans, um, that are

820

00:46:18.445 --> 00:46:20.805

to be developed in detail by the principal contractors

821

00:46:20.865 --> 00:46:21.965

as part of the final camps.

822

00:46:21.985 --> 00:46:23.605

And they'll provide further details

823

00:46:23.605 --> 00:46:25.165

of other measures in relation to those

824

00:46:25.165 --> 00:46:28.685

that require specifics on the final design.

825

00:46:29.585 --> 00:46:33.325

Um, section six also outlines a environmental monitoring

826

00:46:33.325 --> 00:46:35.765

process that will be, um, provided during the process

827

00:46:36.385 --> 00:46:39.685

and sets out how corrective actions would be followed if

828

00:46:39.685 --> 00:46:41.485

there is any deficiencies identified.

829

00:46:42.555 --> 00:46:46.325

Section seven of the framework can then also sets out

830

00:46:46.505 --> 00:46:49.605

how records would be held by the site team to ensure those,

831

00:46:49.945 --> 00:46:52.525

um, monitoring, the monitoring is being taken place

832

00:46:52.865 --> 00:46:54.365

and actions are recorded appropriately.

833

00:46:55.545 --> 00:46:57.925

I'm gonna go through a few examples of measures that are in

834

00:46:57.925 --> 00:47:01.085

that document, um, focused on the points that you've raised.

835

00:47:01.625 --> 00:47:03.845

Um, so the first one is gonna be looking at, uh,

836

00:47:03.845 --> 00:47:05.085

the community liaison officer.

837

00:47:05.985 --> 00:47:08.005

So the community liaison officer will be appointed

838

00:47:08.005 --> 00:47:09.685

to lead discussions with local communities

839

00:47:10.105 --> 00:47:11.685

and act the primary con point

840

00:47:11.685 --> 00:47:12.685

of contact should there be

841

00:47:12.685 --> 00:47:13.925

any queries or complaints that arise.

842

00:47:14.625 --> 00:47:19.085

Um, table one that I mentioned a short while ago identifies

843

00:47:19.085 --> 00:47:22.005

that a stakeholder communications plan is to be developed

844

00:47:22.005 --> 00:47:23.765

by the undertaker at Detailed Design.

845

00:47:24.305 --> 00:47:27.725

And this would be, um, to identify the measures

846

00:47:27.725 --> 00:47:29.165

of community engagement before

847

00:47:29.340 --> 00:47:31.885

and during the construction phase, um, as well

848

00:47:31.885 --> 00:47:34.485

as detailing the complaints procedure that would be need

849

00:47:34.485 --> 00:47:36.405

to be followed, um, during that time.

850

00:47:37.675 --> 00:47:40.245

Paragraph 5.2 0.1 lists a number of roles

851

00:47:40.275 --> 00:47:43.645

that would also be, um, fulfilled, one of those being, um,

852

00:47:43.965 --> 00:47:45.285

a community liaison group

853

00:47:45.545 --> 00:47:46.845

and the establishment of that group.

854

00:47:47.305 --> 00:47:49.405

Um, and that would be set up prior to construction

855

00:47:49.405 --> 00:47:51.805

and run to the end of the final commissioning, so

856

00:47:51.805 --> 00:47:53.885

before the start of the operation, um,

857

00:47:53.945 --> 00:47:56.245

and would be the formal forum to allow members

858

00:47:56.385 --> 00:47:57.885

to raise any issues

859

00:48:00.985 --> 00:48:02.325

in terms of monitoring.

860

00:48:02.385 --> 00:48:04.245

So dust is another one that I want

861

00:48:04.245 --> 00:48:05.925

to just quickly talk, talk on today.

862

00:48:06.025 --> 00:48:09.285

So the requirement for dust monitoring is anticipated to be,

863

00:48:09.505 --> 00:48:11.725

um, set out within the dust management plan,

864

00:48:11.725 --> 00:48:13.725

which will be prepared by the principal contractor.

865

00:48:14.275 --> 00:48:15.605

However, table two

866

00:48:15.665 --> 00:48:17.885

of the framework Construction Environmental Management plan

867

00:48:17.885 --> 00:48:19.925

provides further information the likely extent of

868

00:48:19.925 --> 00:48:21.645

that monitoring, which is informed

869

00:48:21.645 --> 00:48:25.525

by the dust risk assessment that was submitted with the es,

870

00:48:25.945 --> 00:48:27.445

the application environmental statement,

871

00:48:27.445 --> 00:48:29.725

which is a PP 180 1.

872

00:48:30.225 --> 00:48:32.885

Um, it does state that any final details will be agreed

873

00:48:32.885 --> 00:48:35.445

with Flincher County Council, um, as part of the final

874

00:48:36.085 --> 00:48:37.405

construction environmental management plan process.

875

00:48:39.025 --> 00:48:42.165

Um, and briefly on wildlife controls in terms of interaction

876

00:48:42.165 --> 00:48:44.805

with the neighboring sites, um, we have the provision

877

00:48:44.805 --> 00:48:47.005

of a three meter acoustic fence around the northern

878

00:48:47.065 --> 00:48:50.525

and western boundaries of the temporary lay down area, um,

879

00:48:50.585 --> 00:48:51.645

on the main development area.

880

00:48:52.225 --> 00:48:54.685

Um, and beyond that there's an ecological safeguarding zone,

881

00:48:54.825 --> 00:48:57.245

um, which is a 30 meter zone between the boundary

882

00:48:57.425 --> 00:48:58.845

of the estuary and the fence.

883

00:49:00.625 --> 00:49:02.565

And we also specified controls

884

00:49:02.565 --> 00:49:03.685

and the timing of works to,

885

00:49:03.825 --> 00:49:06.525

to avoid ecologically sensitive seasons, um,

886

00:49:06.525 --> 00:49:08.445

to minimize impacts on particular species

887

00:49:08.445 --> 00:49:10.005

associated with the designated sites.

888

00:49:10.625 --> 00:49:12.805

Um, there are also a suite of measures related

889

00:49:12.805 --> 00:49:14.365

to animal welfare, um,

890

00:49:14.745 --> 00:49:17.245

and also the provision of ecological Clark

891

00:49:17.245 --> 00:49:19.485

of works. Thank you.

892

00:49:20.015 --> 00:49:23.525

Thank you. So just James Strom for the applicant, just

893

00:49:23.545 --> 00:49:27.325

to say, I know we all tend to lapse into abbreviations,

894

00:49:27.585 --> 00:49:32.325

but for the benefit of those who heard the term DNS, I mean

895

00:49:32.325 --> 00:49:35.165

that's a D side naturalist society that was being referred

896

00:49:35.165 --> 00:49:38.325

to, so I apologies if we occasionally lapse into those

897

00:49:38.505 --> 00:49:39.685

and the, the EM

898

00:49:39.705 --> 00:49:42.605

or the Kemp, the construction environment management plan

899

00:49:42.605 --> 00:49:43.805

that was being talked about.

900

00:49:44.335 --> 00:49:45.405

Thank you. Thank you.

901

00:49:45.405 --> 00:49:46.725

And please pull me up if I do the same.

902

00:49:46.825 --> 00:49:50.605

I'm a terrible user of acronyms. Um, thank you for that.

903

00:49:50.745 --> 00:49:52.165

I'm just going to touch on a few points

904

00:49:52.165 --> 00:49:53.485

and then perhaps come to others in the room if I can.

905

00:49:53.665 --> 00:49:57.885

Um, you were discussing, uh,

906

00:49:58.235 --> 00:50:01.485

your timings of potential con uh, construction operations

907

00:50:01.625 --> 00:50:03.285

and, uh, shift working of the site,

908

00:50:03.665 --> 00:50:05.805

and I wanted to pick up, I noticed that, uh,

909

00:50:05.805 --> 00:50:07.245

flincher County Council picked up on that

910

00:50:07.245 --> 00:50:09.925

as their standard sort of conditions for, uh, works

911

00:50:09.925 --> 00:50:12.005

of this scale in the, in the county,

912

00:50:12.065 --> 00:50:14.245

but I wanted to just check about the relationship

913

00:50:14.245 --> 00:50:17.045

between your proposals and their understanding of that.

914

00:50:17.425 --> 00:50:19.765

And then secondly, we had the, the ladies

915

00:50:19.785 --> 00:50:23.085

who were living close to the site mentioning earlier that

916

00:50:23.835 --> 00:50:27.525

peak traffic in this region is very much, um, seasonally

917

00:50:28.255 --> 00:50:30.845

based on holiday season as well, not just, you know,

918

00:50:30.845 --> 00:50:32.845

for the environmental reasons that you mentioned about, um,

919

00:50:32.845 --> 00:50:34.365
seasonal periods for wildlife,

920

00:50:34.385 --> 00:50:36.205
but seasonal periods

921

00:50:36.205 --> 00:50:38.805
for the commuting holiday maker coming to North Wales.

922

00:50:38.905 --> 00:50:42.445
So I wanted to look at how you may have, um, touched on that

923

00:50:42.585 --> 00:50:43.765
during your assessments

924

00:50:44.105 --> 00:50:46.565
and the timings of your, um, for instance,

925

00:50:46.565 --> 00:50:48.405
your traffic surveys, whether you've picked up

926

00:50:48.405 --> 00:50:49.565
those peak seasonal flows,

927

00:50:52.935 --> 00:50:54.165
James Strom for the applicant.

928

00:50:54.345 --> 00:50:58.885
So on that latter point, we may, if you are happy, come

929

00:50:59.475 --> 00:51:03.045
park that, sorry for the pun, uh, to the transport section,

930

00:51:04.265 --> 00:51:07.965
the transport ISH tomorrow, um, simply

931

00:51:07.965 --> 00:51:11.845
because our expert witness in that will be present

932

00:51:12.145 --> 00:51:13.405
and we could, if we could pick

933

00:51:13.405 --> 00:51:14.925
that up tomorrow, that's fine.

934

00:51:15.065 --> 00:51:18.405
Um, on the working hours, I think that's

935

00:51:18.405 --> 00:51:19.605
what you were asking about working hours

936

00:51:19.745 --> 00:51:21.685
and the interaction with Flincher.

937

00:51:22.225 --> 00:51:25.565
Um, did anyone Yeah,

938

00:51:25.675 --> 00:51:27.805
Yeah, Nick State State on behalf of the applicant?

939

00:51:27.805 --> 00:51:30.725
As far as I'm aware, those are the hours that were requested

940

00:51:31.065 --> 00:51:35.445
as part of the feedback, um, that was received on the yeah,

941

00:51:35.445 --> 00:51:37.125
during statutory consultation. Okay.

942

00:51:37.695 --> 00:51:39.525
Thank, can I just come to the flinching now?

943

00:51:39.525 --> 00:51:40.845
Just, uh, just to, just to double check

944

00:51:40.925 --> 00:51:42.445
where those hours were, you know, it just,

945

00:51:42.445 --> 00:51:44.045

I've just picked up on some of the correspondence.

946

00:51:44.045 --> 00:51:45.165

There was some discussion.

947

00:51:45.165 --> 00:51:46.445

I just wanted to make sure that there was any,

948

00:51:46.445 --> 00:51:48.365

there was any comment at the all now from financier county

949

00:51:48.365 --> 00:51:49.725

Council on the hours appreciating

950

00:51:49.725 --> 00:51:52.725

that you will do your full assessment. Yeah,

951

00:51:52.725 --> 00:51:53.885

Can I just reserve comment on that

952

00:51:53.885 --> 00:51:56.685

and talk, sorry, Charlie Pope financier county council, uh,

953

00:51:56.745 --> 00:51:58.045

can I reserve comment on that

954

00:51:58.045 --> 00:51:59.525

until tomorrow when I have our

955

00:51:59.525 --> 00:52:00.965

highways experts here? No problem.

956

00:52:00.965 --> 00:52:03.485

Thank you. Thank you. Thank you. Thank you for that. Okay.

957

00:52:03.625 --> 00:52:04.725

Um, yep.

958

00:52:06.345 --> 00:52:09.285

Um, so moving on a little bit now a couple

959

00:52:09.285 --> 00:52:11.045
of times I'm gonna move on to item 3.3

960

00:52:11.045 --> 00:52:12.325
unless there's any other, uh,

961

00:52:12.765 --> 00:52:14.005
queries in the room on, on that issue.

962

00:52:14.825 --> 00:52:16.645
Uh, yeah, moving on to 3.3 a couple of times.

963

00:52:16.745 --> 00:52:19.365
Now you've mentioned the phasing of the works, um,

964

00:52:19.865 --> 00:52:22.245
and one of the things I'm interested in is, is the timing of

965

00:52:22.245 --> 00:52:24.925
that construction and the decision to opt

966

00:52:24.945 --> 00:52:26.885
for either a phased, I think you call it a phased

967

00:52:26.885 --> 00:52:30.205
or simultaneous construction of the trains at the site.

968

00:52:30.945 --> 00:52:32.925
And I just wanted to understand what's the decision making

969

00:52:32.925 --> 00:52:36.485
process on your part for whether you will build, um,

970

00:52:37.065 --> 00:52:40.925
one train after another versus building both trains, uh,

971

00:52:40.925 --> 00:52:42.045
concurrently or simultaneously

972

00:52:42.745 --> 00:52:45.525

and how that affects, you know, what, what's the criteria

973

00:52:45.525 --> 00:52:46.965

that you are gonna be looking at to make that decision?

974

00:52:47.125 --> 00:52:49.445

Appreciation, you might be sensitive, uh,

975

00:52:49.625 --> 00:52:50.805

and commercially sensitive, sorry.

976

00:52:50.985 --> 00:52:52.165

And also the dependencies

977

00:52:52.165 --> 00:52:53.925

and the implications on the program for that.

978

00:52:57.305 --> 00:52:58.965

So Roger brand for the applicants.

979

00:52:59.185 --> 00:53:01.605

Um, so just to kind of

980

00:53:02.285 --> 00:53:03.965

reiterate a little bit about the phasing of things.

981

00:53:04.465 --> 00:53:07.165

So it's currently envisaged the approach to construction

982

00:53:07.225 --> 00:53:09.965

or construction could commence between 2026

983

00:53:09.965 --> 00:53:13.125

and 2031, depending on when consents are granted.

984

00:53:14.105 --> 00:53:17.005

Um, as you say, both the phased

985

00:53:17.005 --> 00:53:19.405

and simultaneous, um, construction have been considered.

986

00:53:20.105 --> 00:53:23.285

Um, I'll perhaps skip over these, these bits.

987

00:53:23.465 --> 00:53:27.845

Um, But the overall kind of single

988

00:53:28.465 --> 00:53:31.445

or duration build of, of, of different stages.

989

00:53:32.425 --> 00:53:35.285

So for an indication, the site enabling works

990

00:53:35.285 --> 00:53:37.045

and demolition would be six to nine months.

991

00:53:37.465 --> 00:53:40.445

Um, construction of the CO2 connection, nine months

992

00:53:41.335 --> 00:53:43.325

Earth works in the main development

993

00:53:43.325 --> 00:53:44.885

area, six to nine months.

994

00:53:45.345 --> 00:53:48.725

Uh, the main civil mechanical and electrical works line.

995

00:53:48.725 --> 00:53:50.045

The share of the work two to two

996

00:53:50.045 --> 00:53:53.045

and a half years, um, per train, um,

997

00:53:53.185 --> 00:53:55.525

and the water connection corridor between three

998

00:53:55.525 --> 00:53:57.205

to five months with commissioning

999

00:53:57.205 --> 00:54:00.325

of the ab be generating station, um, being, being one year.

1000

00:54:01.825 --> 00:54:05.005

Um, I mean I I suppose you know, the kind

1001

00:54:05.005 --> 00:54:08.085

of recent UK government announcement on the 5th of August,

1002

00:54:08.305 --> 00:54:12.525

um, last year named Connor's key low carbon power, um,

1003

00:54:12.525 --> 00:54:15.045

project as one of two new projects added

1004

00:54:15.105 --> 00:54:17.285

to the project negotiation list as part

1005

00:54:17.285 --> 00:54:19.205

of the CCOS cluster sequencing program.

1006

00:54:20.225 --> 00:54:24.085

Um, government through its CCS clusters

1007

00:54:24.085 --> 00:54:29.045

and Energy Act 2023 recognizes the need to support projects,

1008

00:54:29.305 --> 00:54:32.485

um, such as the proposed low carbon, um,

1009

00:54:32.535 --> 00:54:33.725

power station comms key,

1010

00:54:34.705 --> 00:54:36.925

but connection to the, to the system

1011

00:54:36.985 --> 00:54:40.485

and whatnot, um, depends on successful negotiation

1012

00:54:40.485 --> 00:54:43.925

with des department floor of energy security

1013
00:54:43.925 --> 00:54:46.645
and net zero for a dispatchable power agreement.

1014
00:54:47.225 --> 00:54:48.405
Um, this means,

1015
00:54:48.665 --> 00:54:50.085
or that that is the means rather

1016
00:54:50.305 --> 00:54:52.245
by which the government supports low carbon

1017
00:54:53.005 --> 00:54:55.325
dispatchable generation such as this development.

1018
00:55:01.145 --> 00:55:05.245
So in terms of a decision for a single train, then,

1019
00:55:05.985 --> 00:55:08.685
you know, we, as, as I mentioned a moment ago, we need

1020
00:55:08.685 --> 00:55:10.085
to have all the consents in place,

1021
00:55:10.085 --> 00:55:11.365
but we also require to have

1022
00:55:11.365 --> 00:55:15.205
that dispatchable power agreement, um, in place.

1023
00:55:15.765 --> 00:55:18.765
'cause that provides for, that provides for the connection

1024
00:55:18.765 --> 00:55:20.005
to the CO2 system.

1025
00:55:23.105 --> 00:55:26.365
If we were to build a second train, we would need a kind of,

1026
00:55:26.475 --> 00:55:29.045

I'll loosely call it comparable arrangement, you know,

1027

00:55:29.045 --> 00:55:30.925

whether that was another DPA

1028

00:55:30.925 --> 00:55:34.765

or something similar to that, to to, you know, sort

1029

00:55:34.765 --> 00:55:37.525

of provide that support that, um, you know,

1030

00:55:37.525 --> 00:55:39.445

government policy sets out.

1031

00:55:42.065 --> 00:55:44.765

So, sorry, are you saying at the moment your dispatchable

1032

00:55:44.765 --> 00:55:47.285

power agreement with De Nest is only four is not

1033

00:55:47.285 --> 00:55:49.045

for the full 1.38 gigawatts?

1034

00:55:49.055 --> 00:55:52.365

We're in negotiation for one train, one of the two trains

1035

00:55:53.115 --> 00:55:54.165

potential trades.

1036

00:55:59.615 --> 00:56:00.725

Right. Thank you.

1037

00:56:12.145 --> 00:56:15.445

And when would you potentially be looking

1038

00:56:15.505 --> 00:56:16.965

to enter into negotiation

1039

00:56:17.105 --> 00:56:20.285

for the second or is that something that,

1040
00:56:21.665 --> 00:56:23.085
Uh, Roger brand for the Applicant?

1041
00:56:23.245 --> 00:56:24.285
I think we might need to take that

1042
00:56:24.285 --> 00:56:25.365
away and respond in writing.

1043
00:56:25.755 --> 00:56:26.925
Okay. Thank you. Thank you.

1044
00:56:41.155 --> 00:56:42.325
Okay, thank you. I won't go that,

1045
00:56:42.885 --> 00:56:44.005
I think there's, there's quite a bit.

1046
00:56:44.005 --> 00:56:46.165
Like I said, that it, it, it's significant

1047
00:56:46.165 --> 00:56:48.085
because it, it's effectively

1048
00:56:49.665 --> 00:56:51.605
Almost doubles the construction program, doesn't it?

1049
00:56:52.345 --> 00:56:54.405
So, uh, and that's a lot more disruption

1050
00:56:54.405 --> 00:56:56.285
for local people locally and a lot more disruption

1051
00:56:56.285 --> 00:56:57.565
for the environmental sites for longer.

1052
00:56:57.745 --> 00:57:01.045
So, um, I think that's a key part of this examination.

1053
00:57:01.045 --> 00:57:02.405

Something that I'll, I'll,

1054

00:57:02.405 --> 00:57:04.325

I will put it in writing in written questions to you,

1055

00:57:04.325 --> 00:57:07.205

but if you could begin to give me a bit more information

1056

00:57:07.205 --> 00:57:09.125

and evidence about how that's progressing and, and,

1057

00:57:09.125 --> 00:57:10.525

and what I'm really interested in is

1058

00:57:11.625 --> 00:57:13.045

it will make a big difference

1059

00:57:13.105 --> 00:57:16.245

to the examination going forwards if we can hone in on the

1060

00:57:16.245 --> 00:57:17.245

choice that you've made.

1061

00:57:17.305 --> 00:57:18.885

Now, like I say, I appreciate, I'm not wishing

1062

00:57:18.885 --> 00:57:22.085

to put pressure on an applicant to make a, you know, a

1063

00:57:22.805 --> 00:57:24.485

decision whether you're gonna go for phase or simultaneous,

1064

00:57:24.585 --> 00:57:26.965

but the sooner, you know, the sooner everyone else knows,

1065

00:57:26.965 --> 00:57:28.485

the sooner we can understand the

1066

00:57:28.485 --> 00:57:29.685

application that we're dealing with.

1067
00:57:29.685 --> 00:57:31.325
Please, if you could, thank you.

1068
00:57:32.625 --> 00:57:36.145
Uh, does any other party want to comment on

1069
00:57:36.615 --> 00:57:38.745
that moment?

1070
00:57:39.135 --> 00:57:40.825
Okay. Right.

1071
00:57:41.045 --> 00:57:43.065
Um, I've got quite a few follow-ups on that,

1072
00:57:43.065 --> 00:57:44.425
but I think like, say if we take that to writing

1073
00:57:44.445 --> 00:57:45.985
and then we'll, uh, we'll, we'll deal with that.

1074
00:57:46.885 --> 00:57:51.025
Um, What, what I was looking for from item 3.4 is,

1075
00:57:51.085 --> 00:57:53.705
is genuinely, um, uh, sort of typical

1076
00:57:54.675 --> 00:57:56.145
sites built operational.

1077
00:57:56.805 --> 00:57:59.345
What's the day-to-day interaction with the site?

1078
00:57:59.345 --> 00:58:00.945
What, what do the local people see coming

1079
00:58:00.965 --> 00:58:02.025
in and outta the site?

1080
00:58:02.175 --> 00:58:04.265

What does the local wildlife impact be?

1081

00:58:04.685 --> 00:58:07.425

Uh, what does it look like?

1082

00:58:07.775 --> 00:58:09.945

What does it sound like, uh,

1083

00:58:10.445 --> 00:58:12.625

and how, how likely you you

1084

00:58:12.645 --> 00:58:15.145

to operate the site frequently or infrequently?

1085

00:58:15.405 --> 00:58:17.105

And just, I'll, I'll come to the MB in a moment

1086

00:58:17.105 --> 00:58:18.905

with a follow up on that if you could do that.

1087

00:58:18.905 --> 00:58:19.905

Please, sir.

1088

00:58:28.995 --> 00:58:30.185

James Strong for the applicant.

1089

00:58:30.185 --> 00:58:33.025

Just, just, just to make sure we're

1090

00:58:33.705 --> 00:58:35.545

focusing on your specific question.

1091

00:58:36.045 --> 00:58:40.145

It, we, we can explain if you want it now,

1092

00:58:40.145 --> 00:58:41.305

you may not want it now.

1093

00:58:41.925 --> 00:58:45.985

Um, how the, the site itself operates in terms of,

1094

00:58:46.885 --> 00:58:49.945
um, management and maintenance

1095

00:58:50.725 --> 00:58:52.225
or, uh, it may be

1096

00:58:52.225 --> 00:58:54.385
that the question you're specifically interested at the

1097

00:58:54.385 --> 00:58:57.305
moment is the interaction

1098

00:58:57.335 --> 00:58:59.585
with the wider community.

1099

00:58:59.825 --> 00:59:03.105
I, I, I wasn't, I just wanna make sure we don't

1100

00:59:03.655 --> 00:59:06.305
address the wrong question or we can cover both, but, but

1101

00:59:06.425 --> 00:59:08.705
I, I think, I think I'm looking at it from two viewpoints.

1102

00:59:08.705 --> 00:59:10.265
Yeah. One is, one is the perspective

1103

00:59:10.265 --> 00:59:11.425
of something like a curlew

1104

00:59:11.425 --> 00:59:13.025
and one is the perspective of a local resident.

1105

00:59:13.025 --> 00:59:16.625
And I'm saying what do I see every day at that site?

1106

00:59:16.925 --> 00:59:20.065
Is it always pro producing sound?

1107

00:59:20.165 --> 00:59:21.725

Is it sometimes producing sound?

1108

00:59:22.065 --> 00:59:24.805

Is it always producing output from the stacks

1109

00:59:24.825 --> 00:59:26.205

or is it that infrequently?

1110

00:59:26.585 --> 00:59:28.925

Am I seeing lots of lorries go in at certain times

1111

00:59:28.925 --> 00:59:30.965

of the day or is it a constant, you know, arrival

1112

00:59:30.985 --> 00:59:32.765

of shift workers at different times of the day?

1113

00:59:33.355 --> 00:59:35.365

What, what am I, I don't particularly wanna know

1114

00:59:35.365 --> 00:59:36.525

what goes on inside the building

1115

00:59:36.885 --> 00:59:38.645

'cause that's for your management and operational use

1116

00:59:38.665 --> 00:59:40.725

and you're doing, I'm sure an effective job of doing

1117

00:59:40.725 --> 00:59:41.765

that already.

1118

00:59:42.325 --> 00:59:45.285

I, I want to know what I am experiencing from the

1119

00:59:45.285 --> 00:59:46.445

outside day to day.

1120

00:59:48.595 --> 00:59:50.525

I'll hand over James Strong for the applicant.

1121

00:59:50.525 --> 00:59:53.445

I'll hand over to Mr. Brownwood to answer that. Thank you.

1122

00:59:54.225 --> 00:59:57.325

Uh, Roger brand for, pardon me,

1123

00:59:57.325 --> 00:59:58.445

Roger brand for the applicant.

1124

00:59:59.105 --> 01:00:01.805

Um, so day-to-day operation, um,

1125

01:00:02.145 --> 01:00:05.285

the proposed developments will generally be operated at this

1126

01:00:05.345 --> 01:00:07.965

as a dispatchable low carbon generation station.

1127

01:00:08.865 --> 01:00:11.445

So this is because the dispatchable power agreements

1128

01:00:11.475 --> 01:00:14.565

that we're seeking incentivizes electricity, carbon capture

1129

01:00:14.565 --> 01:00:16.005

that runs flexibly.

1130

01:00:16.865 --> 01:00:18.165

So following commission,

1131

01:00:18.265 --> 01:00:21.005

the pro commissioning rather the proposed development is

1132

01:00:21.125 --> 01:00:23.125

designed to be operated in dispatcher modes

1133

01:00:23.125 --> 01:00:26.725

or being able to export power to maintain stable

1134

01:00:26.785 --> 01:00:28.365

and secure supply of energy.

1135

01:00:29.145 --> 01:00:34.085

Um, so you know, it will be kind of on and off if you like.

1136

01:00:34.095 --> 01:00:35.725

Thank you. Um, on and off and up

1137

01:00:35.725 --> 01:00:39.565

and down a bit in response to that need to provide security

1138

01:00:39.585 --> 01:00:42.005

of supply, um,

1139

01:00:43.665 --> 01:00:47.245

it is anticipated that there would be some limited scenarios

1140

01:00:47.335 --> 01:00:50.925

where the, um, combined cycle gas turbine may need

1141

01:00:50.925 --> 01:00:53.005

to operate without the carbon capture plant.

1142

01:00:53.625 --> 01:00:58.565

Um, they're set out in section, uh, chapter 4.410.

1143

01:00:59.385 --> 01:01:02.725

Um, so there's an unabated scenario on commissioning.

1144

01:01:03.025 --> 01:01:06.045

Um, that's in the event the downstream transport

1145

01:01:06.045 --> 01:01:07.205

and storage networks not available.

1146

01:01:07.915 --> 01:01:11.325

There's a second unabated scenario during operation

1147

01:01:11.465 --> 01:01:13.925

to meet electricity demand when the carbon capture

1148

01:01:13.925 --> 01:01:15.245

plant's not online.

1149

01:01:16.025 --> 01:01:18.085

Um, so that might again be due

1150

01:01:18.085 --> 01:01:22.205

to TNS transport storage network, um, outages.

1151

01:01:22.865 --> 01:01:26.285

And there's a third unabated scenario during, uh, national

1152

01:01:26.845 --> 01:01:29.885

electricity national transmission system, um, total

1153

01:01:29.945 --> 01:01:32.565

or partial shutdown where the plants called upon

1154

01:01:32.565 --> 01:01:34.445

to support system restoration.

1155

01:01:36.305 --> 01:01:39.965

In terms of maintenance outages, pardon me.

1156

01:01:40.105 --> 01:01:42.645

Um, commitment 13 in the operation

1157

01:01:42.645 --> 01:01:44.205

and maintenance mitigation register.

1158

01:01:44.885 --> 01:01:47.885

A PP 1 7 7 states that routine maintenance we planned

1159

01:01:47.885 --> 01:01:49.925

and scheduled for the maintenance management system

1160

01:01:50.275 --> 01:01:52.965

with major outages occurring once every four years

1161

01:01:53.675 --> 01:01:55.205

approximately per train.

1162

01:01:55.555 --> 01:01:58.485

Depending on the nature of plant operations in that period,

1163

01:01:59.105 --> 01:02:01.085

um, they would be expected to last for two months.

1164

01:02:01.705 --> 01:02:04.085

Um, it's anticipated that similar

1165

01:02:04.145 --> 01:02:06.845

or equivalent practices to reduce traffic

1166

01:02:07.065 --> 01:02:09.645

and whatnot associated with staff

1167

01:02:09.665 --> 01:02:12.245

during construction would be applied, would also be applied

1168

01:02:12.465 --> 01:02:14.405

for maintenance workers during operation

1169

01:02:14.405 --> 01:02:17.485

and specified in a worker travel plan for operation

1170

01:02:17.485 --> 01:02:18.645

of similar management plan.

1171

01:02:18.925 --> 01:02:22.205

Although the number of staff involved in outages will be

1172

01:02:22.205 --> 01:02:24.925

lower than that involved in construction, um,

1173

01:02:25.065 --> 01:02:27.525

that's captured in commitment 35 I believe.

1174

01:02:28.305 --> 01:02:32.205

Um, staffing wise, um, the proposed developments anticipated

1175

01:02:32.225 --> 01:02:34.925

to create 56 permanent roles for, for one train

1176

01:02:35.385 --> 01:02:39.045

and then up to six, six permanent roles, um, for,

1177

01:02:39.265 --> 01:02:41.005

for both trains once operational.

1178

01:02:41.005 --> 01:02:42.805

That's kind of operational stuff

1179

01:02:42.825 --> 01:02:44.245

and some of those are shifts.

1180

01:02:45.225 --> 01:02:48.965

Um, so you know, there will be sort of, some people come,

1181

01:02:48.965 --> 01:02:53.725

come in going according to a shift pattern, um, on outages,

1182

01:02:53.995 --> 01:02:55.125

sort of maintenance outages.

1183

01:02:55.305 --> 01:02:59.805

Um, that number would be higher, approximately 300, um,

1184

01:03:00.735 --> 01:03:01.925

additional temporary workers.

1185

01:03:02.905 --> 01:03:06.325

Um, okay. Yeah, so I think

1186

01:03:06.655 --> 01:03:07.405

Thank you. That

1187

01:03:07.405 --> 01:03:08.885

Might cover that. And if I pass

1188

01:03:08.905 --> 01:03:11.005

To Nick in increasing workforce when you're actually

1189

01:03:11.005 --> 01:03:12.965

doing your maintenance and outages. Yeah. Um,

1190

01:03:13.815 --> 01:03:15.405

Thank you James TR0 for the applicant.

1191

01:03:15.465 --> 01:03:18.885

So the, the, the, the actual for example, number of vehicle

1192

01:03:19.445 --> 01:03:22.565

movements into and outta the site, we will come back

1193

01:03:22.565 --> 01:03:24.925

to if you are happy with this in the transport session.

1194

01:03:25.145 --> 01:03:28.885

So yes. Um, the assess maximum number of movements

1195

01:03:28.885 --> 01:03:32.605

for staff, for example, uh, we've got figures

1196

01:03:32.625 --> 01:03:34.565

and tables for that if you are happy

1197

01:03:34.565 --> 01:03:36.125

to Yes. Leave that till tomorrow.

1198

01:03:36.295 --> 01:03:38.685

Thank you. I think what I, what I I I appreciate that,

1199

01:03:38.825 --> 01:03:41.085

but what I, I think what I was trying to get to with

1200

01:03:41.115 --> 01:03:43.725

that particular line of in inquiry if you like, was

1201

01:03:45.565 --> 01:03:46.885

Appreciating that you're, yeah,

1202

01:03:47.085 --> 01:03:48.765

I think you've hopefully described it.

1203

01:03:48.765 --> 01:03:50.245

It's a dispatchable power operation.

1204

01:03:50.245 --> 01:03:53.165

It's, it's not going to be on all the, it may be if we,

1205

01:03:53.185 --> 01:03:54.245

we need the power all the time,

1206

01:03:54.245 --> 01:03:57.005

but it, it, in theory it's going to respond to demand

1207

01:03:57.665 --> 01:04:01.485

and you will have periods where it's running at demand

1208

01:04:01.485 --> 01:04:02.485

and periods when it's not needed.

1209

01:04:02.545 --> 01:04:05.565

And I was trying to get a sense of does the local community

1210

01:04:05.585 --> 01:04:09.485

or the local habitats feel that, do they get a sense of,

1211

01:04:09.485 --> 01:04:10.845

wow, it's busy, they're busy today

1212

01:04:10.845 --> 01:04:13.005

because the plant's working, or is it, you know,

1213

01:04:13.005 --> 01:04:15.285

therefore there's more traffic, more people, more noise,

1214

01:04:15.755 --> 01:04:18.885

obviously more, it's more output from the site.

1215

01:04:18.885 --> 01:04:20.565

There's more things coming from the stacks,

1216

01:04:20.565 --> 01:04:22.245

there's more things coming out of the, you know,

1217

01:04:22.245 --> 01:04:25.165

the electricity cabling, but trying to get a sense

1218

01:04:25.165 --> 01:04:28.725

of can I notice if I'm adjacent to the site

1219

01:04:29.025 --> 01:04:32.645

or if I'm wildlife relying on the habitats on the site

1220

01:04:32.755 --> 01:04:35.565

that the site is operating today or it's not.

1221

01:04:36.425 --> 01:04:37.425

If that makes sense.

1222

01:04:43.265 --> 01:04:45.085

Um, Roger brand for the applicant, um,

1223

01:04:46.005 --> 01:04:49.045

I mean when the power station is running it, it's, you know,

1224

01:04:49.095 --> 01:04:53.005

there will be a, a general sort of, uh, you know, um,

1225

01:04:53.775 --> 01:04:55.365

there will be movements of people in and out

1226

01:04:55.365 --> 01:04:56.405

and materials in and out

1227

01:04:56.405 --> 01:04:58.165

and such like, so that is, that is true

1228

01:04:58.385 --> 01:05:01.565

and that's, you know, all been assessed in the, you know,

1229

01:05:01.565 --> 01:05:03.045
in the EIA work that's been done.

1230

01:05:03.705 --> 01:05:08.605
Um, that assessment, um, you know, you know,

1231

01:05:08.945 --> 01:05:10.525
we believe it's robust and,

1232

01:05:10.585 --> 01:05:13.845
and sets, you know, certainly we'll be operating within

1233

01:05:14.545 --> 01:05:16.725
what's been set out in, in the assessment.

1234

01:05:17.815 --> 01:05:18.285
Thank you

1235

01:05:24.935 --> 01:05:26.325
James from, for the applicant, Mr.

1236

01:05:26.435 --> 01:05:29.405
State's got something to add about that, if, if it helps.

1237

01:05:31.185 --> 01:05:32.805
Hi there. Yeah. Nick State for the applicant

1238

01:05:32.805 --> 01:05:33.845
or Nicholas State for the applicant.

1239

01:05:33.865 --> 01:05:37.405
Um, just in terms of the statutory nuisance statement

1240

01:05:37.405 --> 01:05:39.805
that was submitted with the, with the application,

1241

01:05:40.025 --> 01:05:42.365
it does talk about the control of noise during operation,

1242

01:05:42.865 --> 01:05:46.445

um, in section, um, lemme just find the right document.

1243

01:05:46.905 --> 01:05:49.885

Um, well the control of the control of operation noise is,

1244

01:05:49.885 --> 01:05:52.005

is covered under requirement 12 of the draft ECA.

1245

01:05:52.545 --> 01:05:54.205

Um, it's probably the best place to start.

1246

01:05:54.265 --> 01:05:57.325

And in terms of it requires a, um, a scheme

1247

01:05:57.325 --> 01:05:59.725

for the management and monitoring of noise during operation

1248

01:06:00.025 --> 01:06:01.325

to be submitted to and approved

1249

01:06:01.385 --> 01:06:02.685

by the relevant planning authority.

1250

01:06:03.225 --> 01:06:07.685

Um, that is in reference to, um, an operational noise limit

1251

01:06:07.685 --> 01:06:10.685

that's been specified within the, the application.

1252

01:06:11.585 --> 01:06:14.445

Um, and as, as I mentioned, there has been,

1253

01:06:14.445 --> 01:06:16.845

there has been some work done in relation

1254

01:06:16.845 --> 01:06:18.925

to the statutory nuisance statement, um,

1255

01:06:18.925 --> 01:06:22.085

which provides further justification on why we don't expect

1256

01:06:22.085 --> 01:06:24.365

that there would be any statutory nuisances during,

1257

01:06:24.745 --> 01:06:28.125

during the operation of the proposed development, um,

1258

01:06:28.875 --> 01:06:31.685

following that implementation of that requirement.

1259

01:06:32.415 --> 01:06:34.645

Thank you. I think, again, thank you for that.

1260

01:06:34.805 --> 01:06:36.965

I think what I'm trying to get to is, you know,

1261

01:06:37.295 --> 01:06:38.645

there could be a threshold on noise

1262

01:06:38.705 --> 01:06:40.685

and I think what I'm trying to find out is perhaps a local

1263

01:06:40.965 --> 01:06:42.245

resident or perhaps a, like I say,

1264

01:06:42.255 --> 01:06:46.885

local Habitat Reserve wildlife is That threshold may be a,

1265

01:06:47.125 --> 01:06:49.405

a, you know, an agreement with, with the local authority or,

1266

01:06:49.525 --> 01:06:51.525

or set by other permanent regulators,

1267

01:06:52.225 --> 01:06:55.685

but There's a difference between that noise being all

1268

01:06:55.685 --> 01:06:57.605

of the time and infrequently.

1269

01:06:57.825 --> 01:07:00.685

And I'm trying to get a sense of, you know, from your,

1270

01:07:01.315 --> 01:07:02.485

what you were telling me about this back

1271

01:07:02.485 --> 01:07:03.765

to power arrangement, how,

1272

01:07:04.225 --> 01:07:05.885

how frequently this may be needed.

1273

01:07:05.885 --> 01:07:07.845

And I know, don't get me wrong, I'm not asking you

1274

01:07:07.845 --> 01:07:09.765

to comment on that because, you know, it depends on

1275

01:07:09.765 --> 01:07:11.605

how much people power need in the future.

1276

01:07:12.025 --> 01:07:13.445

So that's a difficult call to make.

1277

01:07:13.465 --> 01:07:15.325

But I guess I'm trying to get a sense of

1278

01:07:15.425 --> 01:07:17.245

how operational the site will be

1279

01:07:17.245 --> 01:07:20.445

and how if, if during its operation, albeit

1280

01:07:20.445 --> 01:07:23.125

with your mitigations is potentially disruptive to people

1281

01:07:23.225 --> 01:07:25.725

and wildlife, how frequently that may be

1282

01:07:28.415 --> 01:07:29.565

James Storm for the applicant?

1283

01:07:29.625 --> 01:07:31.805

Yes, sir. I, I understand what you are asking.

1284

01:07:32.045 --> 01:07:34.485

I think from, from our perspective, of course,

1285

01:07:34.585 --> 01:07:36.525

the environmental statement's always looking

1286

01:07:36.625 --> 01:07:38.965

to assess the realistic worst case scenario.

1287

01:07:39.105 --> 01:07:41.445

So it's always looking at the maximum operation,

1288

01:07:41.445 --> 01:07:45.005

whereas in reality, the day-to-day operation,

1289

01:07:45.705 --> 01:07:47.365

it necessarily is likely to be lure.

1290

01:07:47.705 --> 01:07:50.645

Can we see if we can give you some

1291

01:07:51.995 --> 01:07:54.645

more information about that sort

1292

01:07:54.645 --> 01:07:55.885

of day-to-day experience Yes.

1293

01:07:55.885 --> 01:07:59.485

In fluctuations in how it may manifest itself.

1294

01:08:00.255 --> 01:08:02.365

Thank you for residents and wildlife. Yes.

1295

01:08:02.365 --> 01:08:04.725

But I, we, we'll give that some further thought if you

1296

01:08:04.725 --> 01:08:05.725

May. Thank you. Um,

1297

01:08:05.725 --> 01:08:07.325

I just, I'm conscious

1298

01:08:07.325 --> 01:08:08.365

that I'll move on a minute,

1299

01:08:08.365 --> 01:08:09.645

but I just wanted to come back on a couple

1300

01:08:09.645 --> 01:08:10.805

of points that you did raise as well.

1301

01:08:11.625 --> 01:08:16.285

Um, and it was the, um, Uh, what was it about?

1302

01:08:16.285 --> 01:08:18.885

It was two things. One was the, the innovative scenarios.

1303

01:08:18.885 --> 01:08:21.165

I just wanted to make sure I understood when you told me it

1304

01:08:21.265 --> 01:08:23.405

may be, uh, you, you mentioned three scenarios,

1305

01:08:23.405 --> 01:08:24.885

so apologies I have to ask you just

1306

01:08:24.885 --> 01:08:25.925

to go and run that from my head.

1307

01:08:25.925 --> 01:08:27.325

Again, I think you were implying one,

1308

01:08:27.505 --> 01:08:29.045

if there was no capacity downstream

1309

01:08:29.045 --> 01:08:29.965

through the carbon capture

1310

01:08:29.965 --> 01:08:31.085

and storage, if that didn't exist.

1311

01:08:31.785 --> 01:08:34.405

Uh, the second one was where national need was so great

1312

01:08:34.405 --> 01:08:36.205

that you had to run it a higher level

1313

01:08:36.585 --> 01:08:39.045

and exceed what the carbon capture capacity would be.

1314

01:08:39.225 --> 01:08:40.925

And the third one was, um,

1315

01:08:41.085 --> 01:08:42.405

I think like the black start scenario

1316

01:08:44.775 --> 01:08:46.245

Roger brand for the applicants.

1317

01:08:46.465 --> 01:08:50.565

Um, so the, the first scenario was, was on,

1318

01:08:50.745 --> 01:08:53.405

on commissioning, um, sort of, you know,

1319

01:08:53.405 --> 01:08:54.725

following build if you like.

1320

01:08:55.065 --> 01:08:57.245

Um, in the event that the downstream transport

1321

01:08:57.245 --> 01:08:58.565

and storage network's not available.

1322

01:08:59.505 --> 01:09:02.325

Um, so there's nowhere for the CAT to go in that instance.

1323

01:09:03.025 --> 01:09:07.605

Um, the second scenario is, is kind of during, yeah,

1324

01:09:07.605 --> 01:09:09.965

during commercial operation if you like, um,

1325

01:09:09.985 --> 01:09:11.845

to meet electricity demand.

1326

01:09:11.945 --> 01:09:13.285

But if the t transport

1327

01:09:13.285 --> 01:09:17.245

and storage is not available, so for example, if the CO2,

1328

01:09:17.305 --> 01:09:19.565

you know, transmission system was on outage

1329

01:09:19.585 --> 01:09:21.205

for whatever reason, but we were

1330

01:09:21.405 --> 01:09:22.525

required to run, to meet demand.

1331

01:09:22.545 --> 01:09:26.165

Gotcha. And the, the third scenario is, as you set out is,

1332

01:09:26.345 --> 01:09:29.725

is if there's a, you know, a, um, a total

1333

01:09:29.785 --> 01:09:31.925

or partial shutdown event on the transmission system

1334

01:09:32.105 --> 01:09:34.925

and we're required to support system restoration.

1335

01:09:36.055 --> 01:09:38.805

Thank you. Excellent. Good. Thank you very much.

1336

01:09:40.065 --> 01:09:42.325

Are there any questions on the, the subject

1337
01:09:42.325 --> 01:09:43.685
of the day-to-day operation at this site

1338
01:09:43.685 --> 01:09:47.525
that anyone would like to raise any online?

1339
01:09:48.865 --> 01:09:53.605
No. Okay. Thank you. Um, moving on to, sorry.

1340
01:09:53.705 --> 01:09:55.525
Is there anything from, from further from yourself there?

1341
01:09:55.525 --> 01:09:57.805
Okay, uh, moving online, uh, moving on to, uh,

1342
01:09:57.805 --> 01:09:59.365
item 3.5 now, please.

1343
01:09:59.515 --> 01:10:00.765
Looking at the end of life

1344
01:10:00.765 --> 01:10:03.245
and decommissioning of the site, I guess, sorry

1345
01:10:03.245 --> 01:10:05.365
to talk about that at the beginning of potentially of a,

1346
01:10:05.365 --> 01:10:07.245
of the projects commissioning,

1347
01:10:07.245 --> 01:10:10.325
but I just wondered what would happen at the end

1348
01:10:10.345 --> 01:10:12.325
of the useful plant's life, uh,

1349
01:10:12.385 --> 01:10:14.245
and how will de decommissioning appear

1350
01:10:14.245 --> 01:10:16.485

and interact again with the surrounding community?

1351

01:10:16.545 --> 01:10:18.045

You know, what would would, would,

1352

01:10:18.045 --> 01:10:20.525

would decommissioning look a lot different to construction?

1353

01:10:20.965 --> 01:10:24.165

A lot lesser, a lot more that sort of scenario, please,

1354

01:10:26.375 --> 01:10:27.805

Roger brand for the applicant.

1355

01:10:28.425 --> 01:10:33.245

Um, as stated in paragraph 4.5, 0.1 of chapter four,

1356

01:10:33.545 --> 01:10:37.525

um, the proposed developments a PP 0 4 2, each train

1357

01:10:37.545 --> 01:10:39.485

of the proposed developments would have an

1358

01:10:39.485 --> 01:10:40.925

operational life of up to 30 years.

1359

01:10:41.705 --> 01:10:45.005

Um, it is however expected that the proposed developments,

1360

01:10:45.265 --> 01:10:47.645

um, would have some residual life remaining

1361

01:10:47.775 --> 01:10:49.765

after that operational life,

1362

01:10:50.265 --> 01:10:51.845

an investment decision we've made at

1363

01:10:51.845 --> 01:10:53.605

that point based on market conditions

1364

01:10:53.605 --> 01:10:54.845

prevailing at at that time.

1365

01:10:55.705 --> 01:10:59.125

Um, in terms of anticipated timescales,

1366

01:10:59.475 --> 01:11:03.165

then decommission activities are currently anticipated

1367

01:11:03.785 --> 01:11:07.645

to commence after 2060, um, or

1368

01:11:07.645 --> 01:11:09.565

after 2065, um,

1369

01:11:09.825 --> 01:11:12.565

for particular trend two in phased construction.

1370

01:11:13.185 --> 01:11:16.325

Um, or if both the trains are constructed simultaneously,

1371

01:11:17.865 --> 01:11:21.285

the duration of decommissioning will be a function

1372

01:11:21.285 --> 01:11:23.845

of prevailing legislation and best practice at the time.

1373

01:11:24.705 --> 01:11:26.565

Um, plus whatever agreements we have in

1374

01:11:26.565 --> 01:11:27.645

place with the decommissioning plan.

1375

01:11:28.025 --> 01:11:29.405

Um, however, it's expected

1376

01:11:29.405 --> 01:11:32.365

that decommissioning would take a similar duration

1377

01:11:32.365 --> 01:11:33.685

or less than construction.

1378

01:11:34.225 --> 01:11:38.045

Um, and it, it's, you know, in terms of, you know,

1379

01:11:38.045 --> 01:11:41.285

the objectives of that, then it's anticipated the proposed

1380

01:11:41.285 --> 01:11:44.005

development would be shut down with above ground structures

1381

01:11:44.005 --> 01:11:46.445

and the main development net development area removed

1382

01:11:47.025 --> 01:11:50.725

and the ground remediated as required for, for future use.

1383

01:11:52.785 --> 01:11:55.005

Um, Passover to Mr. State,

1384

01:11:55.645 --> 01:11:57.245

Nicholas State on behalf of the applicant, just

1385

01:11:57.245 --> 01:11:59.885

to cover off the decommissioning environmental management

1386

01:11:59.885 --> 01:12:00.925

plan and the requirement for that.

1387

01:12:01.025 --> 01:12:03.605

So, uh, we don't have a framework decommissioning

1388

01:12:03.605 --> 01:12:05.165

environmental plan within the application.

1389

01:12:05.745 --> 01:12:06.965

Um, we have noted

1390

01:12:06.965 --> 01:12:09.485

that this would be produced under requirement 17

1391
01:12:09.485 --> 01:12:11.005
of the draft ECO, um,

1392
01:12:11.065 --> 01:12:13.365
at an appropriate time prior to decommissioning.

1393
01:12:13.745 --> 01:12:16.645
Uh, and then that plan would be in place for the duration

1394
01:12:16.645 --> 01:12:19.525
of the decommissioning, um, of the proposed development.

1395
01:12:20.555 --> 01:12:23.165
That plan would include an outline of the program of works.

1396
01:12:23.545 --> 01:12:26.405
It would include a consideration of environmental risks

1397
01:12:26.945 --> 01:12:29.285
and obviously the best practice at that time

1398
01:12:29.385 --> 01:12:31.845
to control such effects, um,

1399
01:12:31.865 --> 01:12:33.005
and make sure that they are managed

1400
01:12:33.005 --> 01:12:34.125
and mitigated appropriately.

1401
01:12:35.425 --> 01:12:37.205
And then just to draw sort of the conclusions

1402
01:12:37.205 --> 01:12:40.045
that we have in the ES in relation to decommissioning, um,

1403
01:12:40.195 --> 01:12:45.165
paragraph 4.5 0.9 of chapter four, um, at oh four two,

1404
01:12:45.905 --> 01:12:49.765

um, sets out that we have considered decommissioning, um,

1405

01:12:49.765 --> 01:12:52.325

within the EIA and it's not anticipated

1406

01:12:52.325 --> 01:12:54.885

that this would introduce any new significant environmental

1407

01:12:54.885 --> 01:12:56.525

effects beyond those considered

1408

01:12:56.525 --> 01:12:57.645

and assessed for the construction

1409

01:12:58.145 --> 01:12:59.205

of the proposed development.

1410

01:12:59.545 --> 01:13:02.965

Um, and these are therefore summarized in table 25 1

1411

01:13:03.025 --> 01:13:04.645

of chapter 25, summary

1412

01:13:04.645 --> 01:13:07.645

of likely significant effects in APP oh six three,

1413

01:13:08.585 --> 01:13:09.765

and they are discussed

1414

01:13:09.965 --> 01:13:11.365

together construction and decommissioning.

1415

01:13:13.175 --> 01:13:15.845

Thank you. Um, thank you

1416

01:13:15.985 --> 01:13:18.205

and I again appreciate that, you know, we're discussing how

1417

01:13:18.205 --> 01:13:20.285

to dismantle this site when we're still at the moment

1418

01:13:20.285 --> 01:13:22.205

discussing whether it should be constructed.

1419

01:13:22.905 --> 01:13:26.725

Um, but I guess what I'm trying to do here a little bit is,

1420

01:13:26.725 --> 01:13:27.965

apologies, it's probably a little bit

1421

01:13:27.965 --> 01:13:30.445

of crystal ball gazing is knowing

1422

01:13:30.445 --> 01:13:32.045

what we know about the site now that it's had,

1423

01:13:32.545 --> 01:13:33.725

and correct me again if I'm wrong,

1424

01:13:33.725 --> 01:13:35.165

it's had a coal-fired power station,

1425

01:13:35.165 --> 01:13:37.365

which has been constructed and decommissioned.

1426

01:13:37.755 --> 01:13:41.245

It's had a, another gas plant installed, which is now coming

1427

01:13:41.285 --> 01:13:43.645

to the end of its, is it correct that it's coming to the end

1428

01:13:43.645 --> 01:13:45.605

of its life, which is so that potentially

1429

01:13:45.605 --> 01:13:46.125

that may be being

1430

01:13:46.125 --> 01:13:47.605

decommissioned at some point in the future.

1431

01:13:47.945 --> 01:13:51.205

And then finally, we're having this new low carbon capture

1432

01:13:51.415 --> 01:13:55.525

plant proposed learning from the coal fired plant

1433

01:13:55.625 --> 01:13:58.205

and the existing gas fired plant on the site.

1434

01:13:59.195 --> 01:14:02.845

What do we think is a really likely scenario without trying

1435

01:14:02.845 --> 01:14:04.845

to prejudge market conditions in the future?

1436

01:14:05.305 --> 01:14:08.405

Is it that we will perhaps have to grab up

1437

01:14:08.625 --> 01:14:10.525

and remove the low carbon plant

1438

01:14:10.525 --> 01:14:12.925

and put whatever is the new technology at the time back,

1439

01:14:13.225 --> 01:14:17.165

or will it be bolting things perhaps to that plant,

1440

01:14:17.585 --> 01:14:20.885

or will it be we're all, you know, gone green

1441

01:14:20.905 --> 01:14:22.725

and, um, no one's using the electricity anymore?

1442

01:14:29.745 --> 01:14:33.405

Um, uh, Roger Brandon for the applicant, um, as, as, as,

1443

01:14:33.405 --> 01:14:34.525

as you suggest, that requires

1444

01:14:34.525 --> 01:14:35.565

a certain amount of crystal ball.

1445

01:14:35.565 --> 01:14:38.165

Yeah. Amazing. Um, mine's, mine's not that good.

1446

01:14:38.625 --> 01:14:39.845

Um, um,

1447

01:14:40.745 --> 01:14:43.405

it may require some overall of what you've just suggested.

1448

01:14:43.625 --> 01:14:48.325

Um, perhaps we can provide some further sort of

1449

01:14:48.865 --> 01:14:50.645

detail in, in writing, but, uh,

1450

01:14:50.785 --> 01:14:52.405

but as I say, I'm not, I'm not really, um,

1451

01:14:52.635 --> 01:14:53.885

yeah, I don't know.

1452

01:14:54.445 --> 01:14:55.445

I I guess where I'm going with

1453

01:14:55.445 --> 01:14:56.565

that question is a little bit, apologies,

1454

01:14:57.045 --> 01:14:58.765

flipping the mind part, but I, I think what I'm trying

1455

01:14:58.765 --> 01:15:02.525

to say is, is it unreasonable to think that in 30 years time

1456

01:15:03.185 --> 01:15:05.165

we might be doing the same exercise again

1457

01:15:05.625 --> 01:15:08.965

and what was the existing gas plant

1458

01:15:09.755 --> 01:15:12.485

will be the low carbon plant

1459

01:15:12.665 --> 01:15:15.045

and that we may be even looking at, you know,

1460

01:15:15.045 --> 01:15:16.365

either extending its life

1461

01:15:16.425 --> 01:15:18.685

or, so what I don't wanna do is go down the route

1462

01:15:18.685 --> 01:15:20.845

of saying you are decommissioning environmental plant

1463

01:15:20.845 --> 01:15:22.285

that we would restore the sites in nature.

1464

01:15:22.285 --> 01:15:24.325

Will we replace, we're actually, in reality,

1465

01:15:24.555 --> 01:15:26.285

there's probably going to be some sort

1466

01:15:26.285 --> 01:15:27.565

of power generation at this site

1467

01:15:27.565 --> 01:15:28.645

for a very long period of time.

1468

01:15:29.185 --> 01:15:31.205

Or admitting

1469

01:15:31.205 --> 01:15:35.765

and accepting that the DC0 is related to this proposal.

1470

01:15:36.265 --> 01:15:38.685

I'm just trying to get an idea of how realistic is it

1471

01:15:38.685 --> 01:15:40.885

to ask you to do an awful lot of work on decommissioning,

1472

01:15:41.345 --> 01:15:45.285

uh, uh, feedback when the reality is that

1473

01:15:46.315 --> 01:15:47.685

it's just the plant style

1474

01:15:47.685 --> 01:15:49.285

and technology may change with the future.

1475

01:15:51.315 --> 01:15:52.885

Okay. Roger brand for the applicant.

1476

01:15:53.145 --> 01:15:55.325

So I mean, as, as you've pointed out there,

1477

01:15:55.325 --> 01:15:56.725

there's a strong heritage of

1478

01:15:56.785 --> 01:15:58.845

of power generation at the Connors key site

1479

01:15:58.865 --> 01:16:00.285

and, you know, if, if successful,

1480

01:16:00.315 --> 01:16:02.245

this would be the third kind of generation

1481

01:16:02.405 --> 01:16:06.045

of power station there, um, you know, looking ahead

1482

01:16:06.695 --> 01:16:07.845

circa Yeah.

1483

01:16:08.445 --> 01:16:12.005

A number of decades. Um, you know, as, as,

1484

01:16:12.185 --> 01:16:14.125

as we consider in the application, you know, at

1485

01:16:14.125 --> 01:16:15.685

that point we will, we will review

1486

01:16:15.885 --> 01:16:16.965

whatever the options are for the site.

1487

01:16:17.385 --> 01:16:22.085

Um, but, but to, to say what there is, I'm not sure. Say

1488

01:16:22.085 --> 01:16:23.085

What the futurist Yes. Yeah.

1489

01:16:23.085 --> 01:16:24.045

Thank you.

1490

01:16:24.045 --> 01:16:25.845

Thanks for, thanks for answering that as best you could.

1491

01:16:25.845 --> 01:16:27.165

Thank you. Um,

1492

01:16:27.345 --> 01:16:29.645

are there any questions on the decommissioning that anyone,

1493

01:16:29.665 --> 01:16:30.885

uh, would like to comment on?

1494

01:16:31.345 --> 01:16:32.525

Uh, flincher County Council?

1495

01:16:32.915 --> 01:16:35.045

Yeah. Uh, Charlie Pope Flincher county Council.

1496

01:16:35.195 --> 01:16:37.085

Just I suppose there's a point of reference from

1497

01:16:37.665 --> 01:16:40.165

an interest from our, uh, perspective

1498

01:16:40.185 --> 01:16:42.245

and interest we would like

1499

01:16:42.345 --> 01:16:46.565

and seek for there to be some control over, uh, ensuring

1500

01:16:46.565 --> 01:16:50.525

that decommissioning is not done simultaneously also

1501

01:16:50.525 --> 01:16:53.405

with construction and that we have some control with

1502

01:16:53.405 --> 01:16:55.005

that within the requirements as that,

1503

01:16:55.545 --> 01:16:58.925

and that that area doesn't get overlooked in the sense of

1504

01:16:59.035 --> 01:17:02.565

what could end up being tripling an effect with two trains

1505

01:17:02.565 --> 01:17:04.965

and decommissioning all at the same time. Yeah.

1506

01:17:05.545 --> 01:17:07.005

So, sorry, you just to clarify,

1507

01:17:07.065 --> 01:17:08.205

you are talking about decommissioning

1508

01:17:08.205 --> 01:17:09.885

of the existing gas powered in installation

1509

01:17:10.435 --> 01:17:11.435

Yeah. Decommissioning

1510

01:17:11.435 --> 01:17:12.165

as well

1511

01:17:12.165 --> 01:17:14.125

as construction in terms of this development.

1512

01:17:14.435 --> 01:17:18.485

Okay. Yep. Understood. Okay.

1513

01:17:29.675 --> 01:17:32.645

Okay. Happy to move on

1514

01:17:32.645 --> 01:17:33.965

or would you like to come back to that comment?

1515

01:17:36.745 --> 01:17:38.165

Uh, James TR0 for the applicant?

1516

01:17:38.285 --> 01:17:40.965

I, I, I, I'll give that some further thought.

1517

01:17:41.045 --> 01:17:44.485

I mean the, one of the principles of course is to keep

1518

01:17:45.455 --> 01:17:46.525

generating power,

1519

01:17:46.585 --> 01:17:48.885

so I don't think it's anticipated one would be

1520

01:17:48.885 --> 01:17:51.445

decommissioning the existing power station

1521

01:17:52.265 --> 01:17:55.125

before you have the ability to generate from

1522

01:17:56.105 --> 01:17:57.405

what's being proposed here.

1523

01:17:58.085 --> 01:17:59.525

I don't know that, but I'll, I'll check.

1524

01:18:00.795 --> 01:18:02.765

Okay. I think what you, what you, again,

1525

01:18:02.765 --> 01:18:03.965

correct me if I'm wrong, what you're trying

1526

01:18:03.965 --> 01:18:05.725
to say is not have all the work

1527

01:18:05.725 --> 01:18:07.125
ongoing at the site in one go.

1528

01:18:07.465 --> 01:18:09.205
So if you could phase your working

1529

01:18:09.425 --> 01:18:11.565
and propose to phase your working in such a way

1530

01:18:11.565 --> 01:18:13.885
that if something is a large piece

1531

01:18:13.885 --> 01:18:16.485
of construction activity such as decommissioning, if

1532

01:18:16.485 --> 01:18:19.485
that could be phased to not occur at the same time as

1533

01:18:20.105 --> 01:18:22.965
the phased construction of the new site, then

1534

01:18:22.965 --> 01:18:25.005
that would be beneficial to the local, uh,

1535

01:18:25.005 --> 01:18:27.605
burden on the networks and highway and

1536

01:18:28.355 --> 01:18:29.355
Yeah. So James Strong

1537

01:18:29.355 --> 01:18:31.005
for the applicant, no, no,

1538

01:18:31.395 --> 01:18:34.005
obviously objection and principle to the, that concept,

1539

01:18:34.145 --> 01:18:37.525

but I think would very much be a matter for the control

1540

01:18:37.705 --> 01:18:40.205
of the decommissioning of that

1541

01:18:40.765 --> 01:18:44.285
existing plant rather than seeking to Yes.

1542

01:18:44.465 --> 01:18:45.805
Uh, pre-judge

1543

01:18:45.905 --> 01:18:48.805
or predict as to when that might actually occur.

1544

01:18:48.985 --> 01:18:52.565
So there, there would, putting it in another way, in a sort

1545

01:18:52.565 --> 01:18:55.845
of planning concept, that process would be subject

1546

01:18:55.845 --> 01:18:57.365
to its own controls.

1547

01:18:57.365 --> 01:18:58.405
Controls, yeah.

1548

01:18:59.505 --> 01:19:02.445
But without objecting to the concept that's being expressed,

1549

01:19:02.505 --> 01:19:05.645
I'm just saying it would be probably very difficult

1550

01:19:05.665 --> 01:19:06.925
for this examination

1551

01:19:07.025 --> 01:19:10.845
and this DC0 to seek to purport to be dealing with that.

1552

01:19:13.135 --> 01:19:15.765
Understood, understood.

1553

01:19:16.635 --> 01:19:18.805

However, we are talking about juniper, aren't we?

1554

01:19:22.065 --> 01:19:26.405

We are. Thank you. Okay. Yes. Flincher,

1555

01:19:26.915 --> 01:19:28.445

Charlie, Pope Flincher County Council.

1556

01:19:28.685 --> 01:19:31.085

I, I think just for a point of clarification there, it's,

1557

01:19:31.085 --> 01:19:32.765

it's more about the cumulative effect.

1558

01:19:32.835 --> 01:19:35.725

There's certain elements we can control through the

1559

01:19:36.525 --> 01:19:39.085

construction environment management plan, also known

1560

01:19:39.085 --> 01:19:42.045

as the Kemp as part of this proposed development,

1561

01:19:42.065 --> 01:19:43.685

but it's more about certain elements

1562

01:19:43.785 --> 01:19:46.405

of permitted development as part of decommissioning

1563

01:19:46.405 --> 01:19:49.085

that may end up not being considered as part of

1564

01:19:49.805 --> 01:19:52.685

construction impacts, as you say, on the local road network

1565

01:19:52.785 --> 01:19:55.365

and on the local residents and environment. Yes,

1566

01:19:55.415 --> 01:19:56.415

Thank you. Yeah, I would,

1567

01:19:56.415 --> 01:19:57.685

you know, obviously I would,

1568

01:19:57.725 --> 01:20:00.005

I would expect any operational site, you know,

1569

01:20:00.425 --> 01:20:02.765

to consider the considerate contract scheme

1570

01:20:02.765 --> 01:20:05.525

and if they're considering decommissioning to consider

1571

01:20:05.525 --> 01:20:08.765

that within any other ongoing cumulative works,

1572

01:20:08.765 --> 01:20:10.245

whether it be their own or others.

1573

01:20:10.905 --> 01:20:13.525

So I would expect any considerate contract of the signs up

1574

01:20:13.525 --> 01:20:14.805

to considerate contractor scheme

1575

01:20:14.865 --> 01:20:17.605

to make sure they don't carry a decommissioning work at the

1576

01:20:17.605 --> 01:20:19.125

same time as doing a construction project.

1577

01:20:20.055 --> 01:20:21.365

Thank you. Thank you.

1578

01:20:26.545 --> 01:20:28.245

Uh, sorry. Yes sir. At the back of the room, uh, uh,

1579

01:20:28.245 --> 01:20:30.005

gentleman will come in a microphone, save you shouting

1580

01:20:30.105 --> 01:20:33.125

and if you want, oh, you got a micro you

1581

01:20:34.345 --> 01:20:35.525

Oh, oh, she's just there.

1582

01:20:36.125 --> 01:20:37.405

Whatever works for you be, if you wanna come

1583

01:20:37.405 --> 01:20:38.525

and sit to a micro, feel free.

1584

01:20:38.525 --> 01:20:39.645

Equally, if you wanna speak into that one,

1585

01:20:42.705 --> 01:20:44.165

If You could just identify yourself

1586

01:20:44.245 --> 01:20:45.525

for the benefit of the type as well.

1587

01:20:45.525 --> 01:20:46.525

Thank you very much.

1588

01:20:49.185 --> 01:20:52.085

Ka working. Go. Sorry.

1589

01:20:52.825 --> 01:20:55.925

Uh, Kyle Kavanaugh working for a PS on behalf of Air Grid.

1590

01:20:56.545 --> 01:20:58.165

So it was just one of two questions really.

1591

01:20:58.425 --> 01:21:01.605

Um, will the construction in the phase, um,

1592

01:21:02.505 --> 01:21:05.165

in the phasing have any impact on the substation

1593

01:21:05.165 --> 01:21:07.085

that's already there for air grid in the area?

1594

01:21:07.785 --> 01:21:11.005

And once, 'cause we, we do believe

1595

01:21:11.005 --> 01:21:14.925

that your line will be adjacent to our line in some stages

1596

01:21:14.985 --> 01:21:16.445

of the project once it's completed.

1597

01:21:16.865 --> 01:21:20.205

Um, will that have any effect on our cable in regards

1598

01:21:20.225 --> 01:21:23.405

to any radiation friction, any heat off your line

1599

01:21:23.585 --> 01:21:25.805

to affect our line or any of the above?

1600

01:21:27.175 --> 01:21:30.765

Thank you. Can I seek

1601

01:21:30.765 --> 01:21:31.965

advice from the applicant there please?

1602

01:21:39.985 --> 01:21:41.805

So just for my clarity, sir, this is, you,

1603

01:21:41.805 --> 01:21:43.285

you have an existing power line

1604

01:21:43.665 --> 01:21:45.325

at adjacent to the substation?

1605

01:21:45.875 --> 01:21:48.805

Yeah. So at Conkey Air Grid have a cable running the whole

1606

01:21:48.805 --> 01:21:50.925

way to press statin across the water to Ireland.

1607

01:21:51.265 --> 01:21:52.685

Yep. Um, so

1608

01:21:53.265 --> 01:21:53.925

We, is this the

1609

01:21:53.925 --> 01:21:55.485

interconnector? Yes. Ah, thank you. Right.

1610

01:21:55.595 --> 01:21:58.845

Yeah. So we, we, we do believe that the line

1611

01:21:58.845 --> 01:22:01.565

that you use are going to be installed as well,

1612

01:22:01.595 --> 01:22:05.445

will be adjacent if not running along in certain stages, uh,

1613

01:22:05.445 --> 01:22:07.885

along the project beside our air goods cable.

1614

01:22:08.265 --> 01:22:12.685

So we just want a clarification that, that there'll be no,

1615

01:22:12.685 --> 01:22:14.965

say radiation or friction or vibration

1616

01:22:14.965 --> 01:22:16.685

or anything that would affect the cable

1617

01:22:16.685 --> 01:22:17.805

that's already in the ground.

1618

01:22:18.265 --> 01:22:20.805

As you, you may already know there's two cables in the

1619

01:22:20.805 --> 01:22:24.725

ground that do produce 200,000 volts per cable, including,

1620

01:22:25.105 --> 01:22:28.205

um, a fiber commercial cable as well.

1621

01:22:28.585 --> 01:22:32.605

So we just want to see has that been brought into account

1622

01:22:32.605 --> 01:22:36.125

that other services are in the ground as well, that has

1623

01:22:36.125 --> 01:22:40.485

that been brought into the fact that we just wanna make sure

1624

01:22:40.485 --> 01:22:43.645

that your line will not affect our line kind of thing,

1625

01:22:43.645 --> 01:22:46.805

you know, and that the during the construction stage

1626

01:22:47.315 --> 01:22:49.645

that impacts won't affect our,

1627

01:22:50.025 --> 01:22:51.525

our substation in the area as well.

1628

01:22:52.065 --> 01:22:53.125

Can I just clarify a

1629

01:22:53.125 --> 01:22:54.245

couple of things from my point of view then?

1630

01:22:54.305 --> 01:22:57.085

Um, apologies and correct me if I'm No, you're okay.

1631

01:22:57.585 --> 01:23:00.925

So my understanding would be we we're talking about the,

1632

01:23:01.025 --> 01:23:02.325

the, the, the legality

1633

01:23:02.345 --> 01:23:04.205

of the actual consent order at the moment,

1634

01:23:04.225 --> 01:23:05.325

but I think it's pertinent.

1635

01:23:05.335 --> 01:23:06.565

Thank you for making a comment

1636

01:23:06.565 --> 01:23:10.165

because most statutory undertakers, so, you know, um,

1637

01:23:11.155 --> 01:23:14.645

Transco, um, EDF0, other, other operators, you know,

1638

01:23:14.645 --> 01:23:15.805

British telecom, people like that

1639

01:23:16.025 --> 01:23:18.525

or Openreach will have, uh, infrastructure in the area

1640

01:23:18.525 --> 01:23:20.085

and they will be entering into negotiations

1641

01:23:20.085 --> 01:23:21.285

with the applicant and

1642

01:23:21.285 --> 01:23:23.645

where they have concerns about their plant

1643

01:23:23.645 --> 01:23:26.165

or apparatus being, uh, affected

1644

01:23:26.225 --> 01:23:28.645

by the proposal will either turn out

1645

01:23:28.645 --> 01:23:30.245

and stipulate this is what I'd like you to do

1646

01:23:30.245 --> 01:23:32.365

to protect my apparatus so it doesn't get damaged.

1647

01:23:32.385 --> 01:23:34.685

Mm-hmm. Or we'll enter into

1648

01:23:34.685 --> 01:23:36.605

what we call protective provisions, which will be the, in,

1649

01:23:36.605 --> 01:23:39.245

in the legislation that says if you are going to dig within

1650

01:23:39.775 --> 01:23:42.765

three meters of my cable, my pipe, my sewage works,

1651

01:23:43.045 --> 01:23:44.245

whatever it is, I will

1652

01:23:44.245 --> 01:23:45.405

want to see what you're proposing to do.

1653

01:23:45.485 --> 01:23:47.165

I want to have my representative there on site.

1654

01:23:47.385 --> 01:23:48.845

So I think it sounds like

1655

01:23:49.585 --> 01:23:52.165

you're a statutory undertaker potentially

1656

01:23:53.315 --> 01:23:56.765

with power plant apparatus in, in, within the order limits.

1657

01:23:57.175 --> 01:24:00.005

Would that be right? I'd have to check the plans

1658

01:24:00.105 --> 01:24:02.165

and drawings in a moment with, with the applicant.

1659

01:24:02.665 --> 01:24:05.285

And it sounds like we may need to begin

1660

01:24:05.285 --> 01:24:07.325

to consider this gentleman's concerns.

1661

01:24:07.505 --> 01:24:09.165

Is that, would that be a fair representation

1662

01:24:10.855 --> 01:24:12.165

James drawn for the applicant?

1663

01:24:12.585 --> 01:24:14.285

Uh, yes. So that is right.

1664

01:24:14.505 --> 01:24:17.845

Uh, our understanding is air grid interconnector is

1665

01:24:18.685 --> 01:24:20.125

a statutory undertaker,

1666

01:24:20.865 --> 01:24:24.445

and we are, uh, we, we, I can check this,

1667

01:24:24.465 --> 01:24:26.165

but my understanding is that

1668

01:24:26.935 --> 01:24:28.925

draft protective provisions were

1669

01:24:29.245 --> 01:24:31.165

provided to air grid inter connector in

1670

01:24:31.165 --> 01:24:32.885

January of last year.

1671

01:24:34.225 --> 01:24:37.085

We haven't actually had any formal response

1672

01:24:37.545 --> 01:24:39.525

to those protective provisions

1673

01:24:40.585 --> 01:24:44.645

and, um, we are continuing to seek engagement with air grid.

1674

01:24:45.065 --> 01:24:48.725

So it's fortuitous that you've come along today,

1675

01:24:48.905 --> 01:24:50.645

and if you perhaps come

1676

01:24:50.645 --> 01:24:54.525

and talk to us outside the examination, we can take forward,

1677

01:24:55.425 --> 01:25:00.085

uh, that, um, the DCOI think deals

1678

01:25:00.195 --> 01:25:05.165

with this under Schedule 13 part one, dealing

1679

01:25:05.235 --> 01:25:08.525

with, uh, protective provisions for electricity, gas, water,

1680

01:25:08.545 --> 01:25:09.925

and sewage undertakers.

1681

01:25:10.385 --> 01:25:13.645

So I didn't, I'm sorry I didn't catch the, your name

1682

01:25:13.645 --> 01:25:17.485

and sorry Kyle Kaler, but, um, perhaps you can speak to us

1683

01:25:17.485 --> 01:25:20.365

because as I said, we haven't actually had any,

1684

01:25:20.745 --> 01:25:23.445

at least my understanding is we haven't had any response

1685

01:25:23.585 --> 01:25:25.725

to the draft protective provisions,

1686

01:25:25.825 --> 01:25:28.245

but if you are here representing the

1687

01:25:28.245 --> 01:25:29.725

organization, we can take that forward.

1688

01:25:30.495 --> 01:25:32.245

Thank you. Thank you very much, sir. Thank you.

1689

01:25:35.555 --> 01:25:37.885

Okay. Are there any other comments on the decommission

1690

01:25:37.885 --> 01:25:40.205

strategies from anybody in the room who'd like to comment?

1691

01:25:41.465 --> 01:25:44.635

Okay, thank you. Um, I'm gonna move on

1692

01:25:44.635 --> 01:25:48.155

to Project alternatives, if that's okay, everyone Now,

1693

01:25:48.575 --> 01:25:52.355

um, thank you again.

1694

01:25:52.415 --> 01:25:55.595

In your application you discussed, uh, project alternatives

1695

01:25:55.595 --> 01:25:58.595

that you considered principally within the site

1696

01:25:58.595 --> 01:26:00.435

of Juniper's ownership.

1697

01:26:00.495 --> 01:26:02.355

You gave me three options that you looked at

1698

01:26:02.375 --> 01:26:05.765

and how you, you sort of zoomed in on the, the, the location

1699

01:26:05.765 --> 01:26:06.885

of choice that you've come to.

1700

01:26:07.825 --> 01:26:10.605

Um, I was interesting bear in mind that you're seeking

1701

01:26:11.285 --> 01:26:12.525

admittedly temporary possession

1702

01:26:12.525 --> 01:26:14.165

and some compulsory acquisition powers.

1703

01:26:14.955 --> 01:26:19.285

What were your considerations for, uh, looking outside

1704

01:26:19.305 --> 01:26:21.445

of the footprint of the site for location

1705

01:26:21.565 --> 01:26:24.365

of the power station and how did you consider that

1706

01:26:24.365 --> 01:26:25.805

and discount any of those, uh,

1707

01:26:25.865 --> 01:26:27.005

and how that aligns

1708

01:26:27.005 --> 01:26:29.205

with Flincher County Council's development, uh,

1709

01:26:29.205 --> 01:26:30.325

plan, local development plan?

1710

01:26:30.345 --> 01:26:32.525

So I think I'm, I'm just curious to say, have you,

1711

01:26:32.525 --> 01:26:34.365

when you say you've explored Project Alternatives,

1712

01:26:34.405 --> 01:26:36.965

I was looking, how can you demonstrate to the examination

1713

01:26:36.965 --> 01:26:38.325

that you've, you've looked outside

1714

01:26:38.385 --> 01:26:40.285

of the site of your ownership at the moment,

1715
01:26:45.625 --> 01:26:47.725
Um, Roger Brand for the applicant?

1716
01:26:48.025 --> 01:26:49.045
Um, yeah,

1717
01:26:49.045 --> 01:26:51.925
so Project alternatives are outlined in chapter six,

1718
01:26:52.285 --> 01:26:53.445
a PP 0 4 4.

1719
01:26:54.025 --> 01:26:58.685
Um, and you know, as a first part of that, we set the,

1720
01:26:58.865 --> 01:27:02.365
the project objectives, um, which, you know,

1721
01:27:02.365 --> 01:27:05.285
broadly speaking covered, you know, land availability

1722
01:27:05.345 --> 01:27:07.685
for the physical assets and the construction operation,

1723
01:27:07.685 --> 01:27:10.045
including man minimizing the need to,

1724
01:27:10.105 --> 01:27:12.005
to exercise compulsory acquisition rights.

1725
01:27:12.505 --> 01:27:15.005
Um, we also looked at the connections including

1726
01:27:15.525 --> 01:27:16.605
electrical connections, warrant,

1727
01:27:16.625 --> 01:27:19.125
and the least amount of, of new build, um,

1728
01:27:19.205 --> 01:27:20.605

transmission infrastructure,

1729

01:27:21.385 --> 01:27:24.965

but also natural gas connections, water connections

1730

01:27:24.985 --> 01:27:28.805

for cooling process, potable water, such like, um,

1731

01:27:29.515 --> 01:27:30.765

plus the CO2 connections.

1732

01:27:31.585 --> 01:27:36.285

Um, we consider those, um, along with the, the staffing

1733

01:27:36.285 --> 01:27:38.325

of the plant, um, with the skilled

1734

01:27:38.325 --> 01:27:40.125

and experienced people we need for that.

1735

01:27:40.305 --> 01:27:41.565

Um, which we have at Conkey.

1736

01:27:42.225 --> 01:27:44.805

Um, and the speed of deployment with regard to

1737

01:27:44.805 --> 01:27:47.805

how quickly a new generating station can be put into

1738

01:27:47.805 --> 01:27:51.405

operation and the flexibility, um, in particular

1739

01:27:51.595 --> 01:27:54.685

that the new capacity can be brought on stream without

1740

01:27:54.685 --> 01:27:56.165

requiring existing plants

1741

01:27:56.265 --> 01:27:58.605

to be brought off stream beforehand or,

1742

01:27:58.625 --> 01:27:59.725
or prematurely beforehand.

1743

01:28:00.465 --> 01:28:03.565
Um, and also the plant needs to be, kind of need

1744

01:28:03.565 --> 01:28:05.965
to provide the generation, flexible generation capable

1745

01:28:06.105 --> 01:28:08.005
of meeting the demands of, of, of grid.

1746

01:28:08.945 --> 01:28:13.685
Um, we did consider alternative technologies,

1747

01:28:14.025 --> 01:28:16.205
um, for their abilities to, to match, um,

1748

01:28:16.575 --> 01:28:20.405
those projects objectives including small modular actors,

1749

01:28:21.045 --> 01:28:23.605
hydrogen firing renewables, such like, um,

1750

01:28:23.865 --> 01:28:26.085
and whilst those technologies, you know,

1751

01:28:26.945 --> 01:28:28.965
may all have their own role in the, um,

1752

01:28:29.425 --> 01:28:32.565
in the future actually electricity grid, it was considered

1753

01:28:32.565 --> 01:28:36.045
that they didn't meet the project objectives, um, due

1754

01:28:36.045 --> 01:28:39.005
to either the time of deployment or technology readiness or,

1755

01:28:39.065 --> 01:28:40.925

or, or land take required.

1756

01:28:41.305 --> 01:28:42.605

Um, um,

1757

01:28:42.705 --> 01:28:44.765

or in some cases the, the materials required

1758

01:28:44.785 --> 01:28:46.285

for them for their deployment.

1759

01:28:47.425 --> 01:28:51.925

In terms of, in terms of the sites, um, you know, Juniper,

1760

01:28:51.925 --> 01:28:53.205

the applicant owns

1761

01:28:53.465 --> 01:28:57.645

and operates a flexible generation of, of, of power, uh,

1762

01:28:57.645 --> 01:28:59.165

portfolio rather of power stations,

1763

01:28:59.725 --> 01:29:01.605

a fast cycle gas storage facility into

1764

01:29:01.605 --> 01:29:02.885

high pressure gas pipelines.

1765

01:29:02.945 --> 01:29:05.885

And the, the Connors key site is one of those sites that

1766

01:29:05.885 --> 01:29:07.405

that, that we, that we own.

1767

01:29:08.185 --> 01:29:10.845

And, you know, in line with Juniper's strategy

1768

01:29:10.985 --> 01:29:13.365

to decarbonize our existing fossil fleets,

1769

01:29:13.465 --> 01:29:15.645
the existing Connors key, um,

1770

01:29:16.665 --> 01:29:19.525
or rather the Connors key low carbon power project would

1771

01:29:19.725 --> 01:29:22.405
ultimately replace the existing power station in order

1772

01:29:22.405 --> 01:29:24.525
to ensure that unipar and the site can continue

1773

01:29:24.525 --> 01:29:26.925
to contribute to security of supply,

1774

01:29:27.625 --> 01:29:29.485
but in a way that's low carbon, um,

1775

01:29:29.665 --> 01:29:31.205
and reusing the infrastructure that's there.

1776

01:29:32.025 --> 01:29:36.245
Um, Mr. Bullock will as, as, as, um, Mr.

1777

01:29:36.355 --> 01:29:38.605
Sean outlined earlier, we'll discuss policy alignment,

1778

01:29:38.985 --> 01:29:41.085
um, of, of the project.

1779

01:29:41.345 --> 01:29:46.165
But I mean, I guess the key thing is, you know, you know,

1780

01:29:46.185 --> 01:29:49.005
we have, we have a number of good sites for development,

1781

01:29:49.105 --> 01:29:52.325
but what marks this site aside is, you know,

1782

01:29:52.585 --> 01:29:54.605

if consented we can make the use

1783

01:29:54.605 --> 01:29:57.005

of all the existing connections and,

1784

01:29:57.185 --> 01:30:00.845

and also in particular in the context of CO2, we can,

1785

01:30:00.985 --> 01:30:04.285

you know, um, make use of the CO2 transport infrastructure

1786

01:30:04.285 --> 01:30:07.925

that's being developed by Liverpool based CCS, um, you know,

1787

01:30:07.925 --> 01:30:10.405

that's, that's had, that's made investment decision.

1788

01:30:10.705 --> 01:30:14.045

Um, and it it runs nearby our site.

1789

01:30:14.665 --> 01:30:17.485

So, you know, with the current government's ambition

1790

01:30:17.485 --> 01:30:20.165

to deliver clean power, you know, clean power 2030 emission

1791

01:30:20.705 --> 01:30:22.765

and its commitment to CCS, um,

1792

01:30:23.065 --> 01:30:24.165

our proposed new power station

1793

01:30:24.165 --> 01:30:27.805

with CCS technology is well placed to, to meet, you know,

1794

01:30:27.805 --> 01:30:29.485

meet those goals, um,

1795

01:30:30.185 --> 01:30:32.605

and connecting to the nearby CO2 infrastructure

1796

01:30:33.345 --> 01:30:34.765

and, you know, um,

1797

01:30:35.305 --> 01:30:38.725

and overall is in a good position to contribute to the,

1798

01:30:38.785 --> 01:30:41.765

to the UK's net zero, net zero goals.

1799

01:30:42.705 --> 01:30:47.565

Um, so in terms of alternative sites, I think

1800

01:30:47.565 --> 01:30:49.965

that's probably all I kind of really wanted to, to say,

1801

01:30:50.065 --> 01:30:51.565

but it's really, it's really about

1802

01:30:52.265 --> 01:30:54.245

why Connor's key is such a good location.

1803

01:30:54.605 --> 01:30:56.045

Yeah, yeah. I appreciate that.

1804

01:30:56.085 --> 01:30:58.125

I think what I was, again, again, just trying to, trying

1805

01:30:58.125 --> 01:30:59.365

to get to the point was just

1806

01:30:59.365 --> 01:31:01.725

because it's had two iterations

1807

01:31:01.725 --> 01:31:03.365

of power systems there already, does it mean it's

1808

01:31:03.365 --> 01:31:04.405

the best place to put another one?

1809

01:31:04.765 --> 01:31:06.485

I I think what you're trying to say to me is yes,

1810

01:31:06.885 --> 01:31:08.645

'cause it's got all the connections and it's near the river

1811

01:31:08.645 --> 01:31:11.285

and it's, it's near the, you know, the, the CO2 pipeline.

1812

01:31:11.765 --> 01:31:14.445

I think I was just trying to make sure that when I go

1813

01:31:14.445 --> 01:31:16.045

through the process of, of interpreting

1814

01:31:16.045 --> 01:31:19.125

that site alternative consideration process, I can describe,

1815

01:31:19.465 --> 01:31:21.205

yes, there has been a reasonable attempt has been made

1816

01:31:21.205 --> 01:31:23.605

to look, is this the best place to put this facility?

1817

01:31:24.325 --> 01:31:26.005

I think, um, I think to be fair, you know,

1818

01:31:26.005 --> 01:31:27.525

you have described that, but I just wanted to make sure

1819

01:31:27.915 --> 01:31:30.005

that was the one thing kept going through my head is

1820

01:31:30.785 --> 01:31:33.605

you are seeking powers to compulsory acquire a site

1821

01:31:33.605 --> 01:31:34.765

that you don't necessarily own.

1822

01:31:35.675 --> 01:31:39.645

Does it have to be there? Could it be somewhere else?

1823

01:31:41.965 --> 01:31:42.965

I think you've, to be fair,

1824

01:31:43.195 --> 01:31:44.285

it's a bit of a rhetorical question.

1825

01:31:44.285 --> 01:31:45.525

I think you've answered that. So thank you.

1826

01:31:46.165 --> 01:31:48.845

I I'd like to, would like to come back to flinch account, if

1827

01:31:48.845 --> 01:31:51.845

that's okay, just on that, just to say how that sits in

1828

01:31:51.845 --> 01:31:53.725

with your local development strategy and plan

1829

01:31:53.785 --> 01:31:55.565

and whether, you know, you think, well actually no,

1830

01:31:55.565 --> 01:31:57.525

we were looking to move all the power stations 50

1831

01:31:57.525 --> 01:31:58.685

miles to the west or something like that.

1832

01:31:59.065 --> 01:32:00.885

Um, you know, if you've got something that, you know,

1833

01:32:01.115 --> 01:32:03.405

does it, accepting

1834

01:32:03.405 --> 01:32:05.165

that you are gonna obviously produce your local impact

1835

01:32:05.165 --> 01:32:07.325

report, which will say how it sits in the context

1836

01:32:07.465 --> 01:32:08.845

of your local planning policy,

1837

01:32:08.865 --> 01:32:12.085

but I just wanted to make sure that if you were concerned

1838

01:32:12.085 --> 01:32:13.205

that some alternative sites

1839

01:32:13.205 --> 01:32:16.045

that you had earmarked on your development boundary hadn't

1840

01:32:16.045 --> 01:32:17.405

been considered, please let me know.

1841

01:32:18.475 --> 01:32:21.885

Yeah. Charlie Pope Flincher county Council, I can confirm

1842

01:32:21.885 --> 01:32:25.085

that Flincher County Council's local development plan wasn't

1843

01:32:25.325 --> 01:32:28.965

considering an alternative site for, um, a power station.

1844

01:32:28.995 --> 01:32:32.325

Essentially our LDP was more focusing on housing provision.

1845

01:32:32.735 --> 01:32:33.735

Thank you. Thank you.

1846

01:32:35.065 --> 01:32:37.725

Uh, are there any comments on the project location

1847

01:32:37.725 --> 01:32:39.885

and alternative site consideration in the room at

1848

01:32:39.885 --> 01:32:40.925

all anyone would like to make?

1849

01:32:42.895 --> 01:32:45.225

Okay. Um,

1850

01:32:46.805 --> 01:32:49.745

I'm gonna move on now to item seven, uh, item 3.7,

1851

01:32:49.745 --> 01:32:51.465

which is the carbon capture component of facility.

1852

01:32:51.545 --> 01:32:53.225

I appreciate Dr. Boswell, you'd like to come in

1853

01:32:53.225 --> 01:32:54.785

and address this at the end a little bit.

1854

01:32:54.845 --> 01:32:56.625

So I'm just going start off with a few questions

1855

01:32:56.625 --> 01:32:58.145

and then if you'd like, I'll come to you afterwards.

1856

01:32:58.165 --> 01:33:02.825

But, um, sort of step by step process

1857

01:33:02.825 --> 01:33:05.625

through the carbon capture component of this facility.

1858

01:33:05.765 --> 01:33:08.585

Now, firstly, I was just trying to ascertain

1859

01:33:09.625 --> 01:33:09.745

A

1860

01:33:14.525 --> 01:33:16.545

Why in your, it sort of alludes back to

1861

01:33:16.545 --> 01:33:18.025

what we were saying project alternatives earlier,

1862

01:33:18.925 --> 01:33:21.225

why the carbon capture of the existing

1863

01:33:21.885 --> 01:33:24.265

gas fired power station exists at the site

1864

01:33:24.285 --> 01:33:26.025

now wasn't considered.

1865

01:33:26.145 --> 01:33:27.985

I think, you know, you've described in your application

1866

01:33:27.985 --> 01:33:30.225

that it's, it's coming to the end of its operational life,

1867

01:33:30.245 --> 01:33:31.345

it would be less cost effective.

1868

01:33:31.345 --> 01:33:34.225

But if I could just under bottom that one out, why if,

1869

01:33:34.245 --> 01:33:35.665

if this carbon capture is so good

1870

01:33:35.665 --> 01:33:37.465

and it's so ideally located,

1871

01:33:37.645 --> 01:33:39.465

why don't you put it on the existing station?

1872

01:33:40.245 --> 01:33:42.545

Uh, and then I'll follow up from that if I can afterwards.

1873

01:33:44.125 --> 01:33:46.145

Uh, Roger brand for the applicant, um,

1874

01:33:46.685 --> 01:33:51.185

in the alternatives chapter, we describe that kind of, uh,

1875

01:33:51.185 --> 01:33:55.185

carbon capture retrofit scenario as the do minimum scenario,

1876

01:33:56.005 --> 01:34:00.625

um, which is outlined in, uh, paragraph 6.6 0.1.

1877

01:34:01.405 --> 01:34:05.945

Um, so yeah, um, in

1878

01:34:05.945 --> 01:34:10.065

that scenario, the generation capacity for, sorry, um, no,

1879

01:34:10.165 --> 01:34:14.305

six point, 6.4 apologies, um, summarized in table six two,

1880

01:34:14.805 --> 01:34:18.185

um, that would comprise retrofitting installation carbon

1881

01:34:18.185 --> 01:34:21.705

capture to the existing Conkey power station, um,

1882

01:34:21.735 --> 01:34:23.465

that would require upgrade

1883

01:34:23.465 --> 01:34:26.665

and replacement, um, of internal components, plants

1884

01:34:26.685 --> 01:34:29.625

and other equipments alongside the construction

1885

01:34:29.625 --> 01:34:31.065

of the new infrastructure itself.

1886

01:34:31.725 --> 01:34:35.465

Um, so that overall the plants could run in abated mode.

1887

01:34:36.565 --> 01:34:40.545

Um, yeah, yeah, whilst this was considered

1888

01:34:40.545 --> 01:34:44.385

as a potential option, um, on the basis that it, you know,

1889

01:34:44.385 --> 01:34:48.345

works for CSS installation would be required regardless, um,

1890

01:34:49.925 --> 01:34:51.465

you know, there are, there are significant

1891

01:34:51.735 --> 01:34:53.305

drawbacks, um, with that.

1892

01:34:53.645 --> 01:34:55.905

So as, as you, as you comment already,

1893

01:34:56.245 --> 01:34:58.365

the existing con keye power station is,

1894

01:34:58.365 --> 01:35:02.925

is approaching the end of its design life, um, And,

1895

01:35:02.925 --> 01:35:04.325

you know, large amount, large amounts

1896

01:35:04.325 --> 01:35:06.925

of the existing plant would, would need to be replaced.

1897

01:35:07.105 --> 01:35:09.525

And, and additionally major works to the structures

1898

01:35:09.525 --> 01:35:12.325

of the existing conos Keye power station would be required,

1899

01:35:12.905 --> 01:35:15.725

um, which may not be technically feasible.

1900

01:35:16.505 --> 01:35:19.565

Um, the, the layout of the existing con's,

1901

01:35:19.565 --> 01:35:21.725

key power stations not really amenable

1902

01:35:21.745 --> 01:35:23.205

to the retrofit of carbon capture.

1903

01:35:23.905 --> 01:35:26.445

Um, meaning that the integration itself would be complex

1904

01:35:26.705 --> 01:35:29.405

and the existing plant layout may require modification.

1905

01:35:30.745 --> 01:35:35.085

So that would in turn entail an extended period

1906

01:35:35.105 --> 01:35:37.805

of lost generation, um, while the upgrades

1907

01:35:37.805 --> 01:35:39.965

and integration occurred reducing the generation

1908

01:35:39.965 --> 01:35:41.205

available to the national grid.

1909

01:35:42.065 --> 01:35:43.125

So, you know,

1910

01:35:43.445 --> 01:35:46.365

although the work's required to install CCS, um,

1911

01:35:46.455 --> 01:35:49.565

might be notionally shorter in duration than construction

1912

01:35:49.565 --> 01:35:52.325

of a new power station, this may be complicated

1913

01:35:52.505 --> 01:35:55.605

by the challenge posed with the existing layout, um,

1914

01:35:55.625 --> 01:35:57.245

and scale of works required

1915

01:35:57.305 --> 01:35:59.725

to adapt the existing common key power station

1916

01:35:59.785 --> 01:36:01.085

to meet requirements of

1917

01:36:01.085 --> 01:36:03.205

and meet the objectives rather of the, of the project.

1918

01:36:03.795 --> 01:36:06.245

Therefore, it's, um, you know, it's not certain

1919

01:36:06.245 --> 01:36:10.165

that there'd be a, a, a saving in, in, in projects, um,

1920

01:36:10.555 --> 01:36:11.645

project duration.

1921

01:36:12.625 --> 01:36:13.625

Um,

1922

01:36:15.065 --> 01:36:17.805

So I think that's largely what I wanted

1923

01:36:17.805 --> 01:36:19.965

to set out in terms of that due minimum scenario.

1924

01:36:20.235 --> 01:36:21.445

Okay. Thank you very much. Yep.

1925

01:36:22.025 --> 01:36:25.685

Um, I'm going to, I, I'll come onto the abatement

1926

01:36:25.685 --> 01:36:26.725

of the site and the, uh,

1927

01:36:27.125 --> 01:36:28.925

upstream carbon capture in a moment.

1928

01:36:29.035 --> 01:36:30.085

Just, I just wanted

1929

01:36:30.085 --> 01:36:32.525

before we get that, is this, this

1930

01:36:33.275 --> 01:36:35.845

project application proposed development?

1931

01:36:35.955 --> 01:36:39.965

It's very much dependent on the provision of the high net,

1932

01:36:40.265 --> 01:36:42.365

uh, carbon capture and storage facility.

1933

01:36:43.185 --> 01:36:47.695

Uh, and I know you talked about free scenarios

1934

01:36:47.695 --> 01:36:49.855

where potentially carbon capture may not happen

1935

01:36:50.555 --> 01:36:52.535

at the site earlier, but I just wondered if we could perhaps

1936

01:36:52.555 --> 01:36:56.615

go into, you know, the status of that, your relationship

1937

01:36:56.645 --> 01:36:59.655

with the Liverpool, um, CCS, um,

1938

01:37:01.935 --> 01:37:05.295

organization and what would be the risks

1939

01:37:06.315 --> 01:37:11.095

if they are unable to, um, without, again,

1940

01:37:11.095 --> 01:37:12.775

going into too much detail of what you've already alluded

1941

01:37:12.775 --> 01:37:15.175

to under your pre-operation where you may run on the basis,

1942

01:37:15.275 --> 01:37:16.695

but what would be the risks if they

1943

01:37:17.875 --> 01:37:19.735

are late on delivering their project

1944

01:37:20.075 --> 01:37:22.055

or potentially don't deliver their project?

1945

01:37:28.475 --> 01:37:30.255

Yep. Roger brand for the applicants.

1946

01:37:30.475 --> 01:37:33.695

Um, so I mean, just starting from top,

1947

01:37:33.775 --> 01:37:38.415

I suppose in the proposed development, um, a PP 0 4 2, the,

1948

01:37:39.115 --> 01:37:40.255

the trains are designed

1949

01:37:40.255 --> 01:37:42.735

with carbon capture integral from the outset.

1950

01:37:43.115 --> 01:37:46.055

Um, and the plant will operate such

1951

01:37:46.055 --> 01:37:47.895

that high carbon capture rates are

1952

01:37:47.895 --> 01:37:49.175

anticipated to be maintained.

1953

01:37:49.665 --> 01:37:52.015

Those are in line with the expected requirements of,

1954

01:37:52.075 --> 01:37:53.775

of the environmental permit, um,

1955

01:37:53.915 --> 01:37:55.885

and the contractual requirements associated

1956

01:37:55.885 --> 01:37:57.325

with the dispatchable power agreements.

1957

01:37:57.625 --> 01:37:58.805

Um, I mentioned that earlier.

1958

01:37:59.865 --> 01:38:03.405

Um, You know, the,

1959

01:38:03.425 --> 01:38:06.165

the technology itself has not been selected

1960

01:38:06.425 --> 01:38:09.285

and is subject to front end engineering design studies at

1961

01:38:09.285 --> 01:38:10.365

the moment, but, you know,

1962

01:38:10.665 --> 01:38:13.125

any such technology would be accommodated within the

1963

01:38:13.205 --> 01:38:17.165

Rochdale envelope and the consequential EIA set out in this

1964

01:38:17.165 --> 01:38:21.045

application, the captured CO2

1965

01:38:21.655 --> 01:38:24.605

would then be, yeah, from the plant, would then be, um,

1966

01:38:24.845 --> 01:38:26.565

conveyed to an above ground installation.

1967

01:38:26.585 --> 01:38:29.445

And that represents the boundary, um, between

1968

01:38:30.265 --> 01:38:31.645

the applicant's asset, our assets

1969

01:38:31.665 --> 01:38:35.205

or potential assets in the Liverpool Bay CCS limited asset.

1970

01:38:35.945 --> 01:38:40.445

Um, that CO2 then travels to the, um,

1971

01:38:40.555 --> 01:38:44.445

travels from the applicant's, um, site to the, to the Flint

1972

01:38:44.535 --> 01:38:47.525

above ground installation, um, along, you know,

1973

01:38:47.685 --> 01:38:50.445

a largely repurposed pipeline, um, section

1974

01:38:50.525 --> 01:38:51.965

of approximately three kilometers.

1975

01:38:52.625 --> 01:38:56.045

Um, this used to supply the natural gas to the site,

1976

01:38:56.305 --> 01:38:57.445

um, from Liverpool Bay.

1977

01:38:57.945 --> 01:39:02.445

Um, then there's a short, um, section of new pipe, um, up

1978

01:39:02.445 --> 01:39:06.445

to 422 meters to connect to Liverpool Bay CCS, um,

1979

01:39:07.805 --> 01:39:11.165

a GI and from there into the high net CO2 pipeline.

1980

01:39:11.825 --> 01:39:14.405

So, you know, the scope here includes for the,

1981

01:39:14.425 --> 01:39:16.445

for the connection of the mostly repurposed

1982

01:39:16.445 --> 01:39:20.325

and partly new CO2 connection, um, from our site

1983

01:39:20.325 --> 01:39:21.325

to the Flint, a GI.

1984

01:39:21.545 --> 01:39:25.005

Um, but the consent for the CO2 pipeline itself, um,

1985

01:39:25.185 --> 01:39:28.605

is not sought as part of this DC application as

1986

01:39:28.605 --> 01:39:30.845

that will be constructed under the permission

1987

01:39:30.845 --> 01:39:34.165

that was granted via the high net, um, CO2 pipeline,

1988

01:39:34.285 --> 01:39:36.485

DCO in March 24.

1989

01:39:37.425 --> 01:39:41.885

Um, Liverpool Bay is an undertaker, um,

1990

01:39:41.985 --> 01:39:46.005

within the draft DCO for the works proposed in the CO2, um,

1991

01:39:46.175 --> 01:39:48.405

above ground installation in the main development area

1992

01:39:48.585 --> 01:39:52.325

and along the repurposed connection corridor, including the,

1993

01:39:52.325 --> 01:39:53.765

um, CO2 connection corridor.

1994

01:39:54.545 --> 01:39:57.725

Um, that's all set out in plate four three, um,

1995

01:39:57.875 --> 01:40:00.445

showing the connection works required for the gas pipeline.

1996

01:40:01.065 --> 01:40:05.485

Um, loop Bay CCS would also be responsible

1997

01:40:05.665 --> 01:40:07.485

for the, you know, for the maintenance

1998

01:40:07.485 --> 01:40:08.925

and operation of the existing

1999

01:40:08.925 --> 01:40:11.485

and repurposed pipeline, um, sections.

2000

01:40:12.025 --> 01:40:15.165

Um, and they're eventual decommissioning, so, you know,

2001

01:40:15.875 --> 01:40:18.805

yeah, Liverpool Bay, SCSR are an undertaker

2002

01:40:18.805 --> 01:40:20.045

and will be completing part

2003

01:40:20.045 --> 01:40:22.245

of the activity under, under this.

2004

01:40:22.545 --> 01:40:26.085

Um, but then we interact with the, you know,

2005

01:40:26.085 --> 01:40:30.285

already consented and, and already, um, and,

2006

01:40:30.285 --> 01:40:31.605

and that, you know, the high net project,

2007

01:40:31.615 --> 01:40:34.165

which has already made a financial investment decision.

2008

01:40:39.935 --> 01:40:42.645

Thank you. Um, I, I guess what I'm saying is, you know,

2009

01:40:42.645 --> 01:40:45.565

you, you've got a waste stream from your site, which one?

2010

01:40:45.565 --> 01:40:46.765

Well, you've got many waste streams

2011

01:40:46.765 --> 01:40:47.965

and one of 'em is carbon dioxide

2012

01:40:49.545 --> 01:40:52.285

and you are planning on putting it into a pipe

2013

01:40:53.425 --> 01:40:55.005

at your power station

2014

01:40:55.345 --> 01:40:57.245

and sending it via another operator,

2015

01:40:57.275 --> 01:40:58.405

Liverpool carbon capture

2016

01:40:58.405 --> 01:41:00.885

and storage out into liver bay

2017

01:41:02.545 --> 01:41:04.325

if they don't build right.

2018

01:41:05.245 --> 01:41:07.125

I appreciate some of those sections of pipe would exist,

2019

01:41:07.395 --> 01:41:09.005

it's gonna repurpose, but if they don't

2020

01:41:09.525 --> 01:41:13.445

complete their project or if during their operation life

2021

01:41:13.445 --> 01:41:16.045

of your development they cease to exist

2022

01:41:16.265 --> 01:41:20.245

or something happens that they don't continue

2023

01:41:20.245 --> 01:41:23.605

to take your waste stream, what happens then?

2024

01:41:23.985 --> 01:41:26.405

Do you just run unabated forever

2025

01:41:26.825 --> 01:41:30.445

or is there an alternative option

2026

01:41:34.125 --> 01:41:35.635

James drawn for the applicant's?

2027

01:41:35.635 --> 01:41:37.675

Uh, yes. Uh, so far

2028

01:41:37.675 --> 01:41:41.155

as the Liverpool Bay CCS scheme is concerned,

2029

01:41:42.265 --> 01:41:47.115

obviously this application is as you rightly identify,

2030

01:41:47.865 --> 01:41:51.715

seeking to tie into that as a recently approved DC0

2031

01:41:51.855 --> 01:41:54.235

for which they've been through the process

2032

01:41:54.415 --> 01:41:56.835

of demonstrating funding, et cetera.

2033

01:41:56.895 --> 01:42:01.235

Yes, yes, yes. So in there is no, so far as we're aware,

2034

01:42:01.255 --> 01:42:03.635

no reason to suppose that

2035

01:42:03.635 --> 01:42:07.155

that scenario you are identifying would arise.

2036

01:42:08.175 --> 01:42:11.635

And of course, one of the pieces of work that's been done is

2037

01:42:11.635 --> 01:42:13.675

to look at the Hamilton field

2038

01:42:13.775 --> 01:42:17.995

and the capacity to take the CO2 from our scheme.

2039

01:42:18.735 --> 01:42:21.675

Uh, uh, what you are identifying of course is well,

2040

01:42:21.675 --> 01:42:25.875

what happens if, uh, the answer to that is, well,

2041

01:42:25.945 --> 01:42:28.875

depending on what that even were,

2042

01:42:29.415 --> 01:42:33.355

but let's take the extreme example that you were positing,

2043

01:42:33.355 --> 01:42:35.435

which is, well, for, for one reason

2044

01:42:35.435 --> 01:42:38.275

or other, there's no way to use any of that pipeline.

2045

01:42:38.555 --> 01:42:40.635

I hasten to add, we don't anticipate that to be the case,

2046

01:42:40.935 --> 01:42:45.915

but of course, um, then of the, if I put this,

2047

01:42:45.935 --> 01:42:48.115

the regulation of the generation

2048

01:42:48.115 --> 01:42:52.355

of power from this station would be governed by,

2049

01:42:52.655 --> 01:42:54.555

for example, the environmental permit

2050

01:42:55.215 --> 01:42:58.195

and the dispatchable power agreements amongst two things.

2051

01:42:58.935 --> 01:43:01.875

So it then becomes a question of what,

2052

01:43:02.265 --> 01:43:04.715

what should be done in those circumstances?

2053

01:43:05.375 --> 01:43:08.555

Should the environmental permit permit, um,

2054

01:43:09.305 --> 01:43:10.835

different emissions from the,

2055

01:43:11.015 --> 01:43:12.835

the station under the environmental permit?

2056

01:43:13.375 --> 01:43:17.915

Or should the dispatchable power agreement set controls on

2057

01:43:18.605 --> 01:43:23.075

generation without abatement, for example, the, so

2058

01:43:23.775 --> 01:43:25.435

the simple, I say simple answer,

2059

01:43:25.495 --> 01:43:28.355

but the, the straightforward answer in that unlikely event,

2060

01:43:28.355 --> 01:43:32.715

which we're not anticipating there is control over

2061

01:43:32.745 --> 01:43:36.555

what would then happen to the use of the power station

2062

01:43:36.905 --> 01:43:38.275

through those mechanisms.

2063

01:43:38.275 --> 01:43:41.235

So it's not a case of, uh,

2064

01:43:41.385 --> 01:43:45.035

it's an uncontrolled environment, put it that way.

2065

01:43:45.295 --> 01:43:46.555

That's just a reassurance.

2066

01:43:46.605 --> 01:43:47.835

Thank you. That's very helpful actually.

2067

01:43:47.835 --> 01:43:50.595

And I guess in a way, you know, it's probably no different

2068

01:43:50.595 --> 01:43:52.365

to if your gas turned off

2069

01:43:52.365 --> 01:43:54.605

or if the town water supply turned off

2070

01:43:54.605 --> 01:43:55.925

or the river disappeared overnight.

2071

01:43:56.005 --> 01:43:57.725

I guess it's a similar scenario, but I

2072

01:43:57.725 --> 01:43:59.085

Think you I think that's, I think it's useful.

2073

01:43:59.085 --> 01:44:01.645

Yeah. Yes. Sorry, sorry, I didn't mean to interrupt you.

2074

01:44:01.645 --> 01:44:03.325

Yes, exactly. I mean, there are

2075

01:44:04.015 --> 01:44:05.045

James Storm for the applicant.

2076

01:44:05.045 --> 01:44:07.765

There, there are obviously many examples of

2077

01:44:08.355 --> 01:44:12.365

relying upon other utility providers where the assumption is

2078

01:44:12.365 --> 01:44:14.845

that there will always be the, the ability

2079

01:44:14.945 --> 01:44:16.725

to dispose your wastewater, et cetera.

2080

01:44:17.625 --> 01:44:21.365

But ultimately there are controls that can kick in if

2081

01:44:22.295 --> 01:44:24.525

unforeseen circumstances prevent that. Okay,

2082

01:44:24.735 --> 01:44:25.735

Thank you very much.

2083

01:44:28.825 --> 01:44:30.205

Um, are there any questions on,

2084

01:44:30.205 --> 01:44:31.885

particularly on the high net component

2085

01:44:31.945 --> 01:44:34.245

before we move on to the unabated operation?

2086

01:44:35.685 --> 01:44:39.815

Okay, uh, I'm going to touch on now that, um, I think

2087

01:44:39.835 --> 01:44:41.895

to be fair, we've, I'll try and rephrase the question

2088

01:44:41.975 --> 01:44:43.135

'cause we've touched on this a little bit

2089

01:44:43.135 --> 01:44:44.535

with the three scenarios you mentioned earlier.

2090

01:44:45.075 --> 01:44:47.975

But you know, I know that the plant will, has the potential

2091

01:44:47.975 --> 01:44:49.535

to operate in an unabated scenario.

2092

01:44:50.195 --> 01:44:53.135

So this would be where carbon capture of the, uh,

2093

01:44:53.855 --> 01:44:56.695

effluent is, is not happening outta the stacks.

2094

01:44:56.955 --> 01:44:58.215

And correct me again if I'm wrong here,

2095

01:44:58.235 --> 01:44:59.295

I'm the chemical engineer.

2096

01:44:59.675 --> 01:45:01.935

Uh, and, and during periods of routine maintenance

2097

01:45:01.935 --> 01:45:03.535

and, um, downtime at the site,

2098

01:45:03.535 --> 01:45:05.535

you may operate in an unabated scenario.

2099

01:45:06.355 --> 01:45:09.615

Um, and I think you've just described to me the protections

2100

01:45:09.635 --> 01:45:11.775

and permit regulations that have been in place.

2101

01:45:12.835 --> 01:45:16.375

Um, I just wanted to again, just make sure

2102

01:45:16.375 --> 01:45:20.495

that I'm very clear on the, on when you may operate.

2103

01:45:20.655 --> 01:45:22.975

I think you've, you've told me the three scenarios,

2104

01:45:22.975 --> 01:45:24.895

but there was, was that the third one as well?

2105

01:45:24.995 --> 01:45:26.655

I'm just going back through my notes, sorry.

2106

01:45:27.075 --> 01:45:29.535

Of when you may potentially operate the site

2107

01:45:30.355 --> 01:45:31.775

in an unabated scenario.

2108

01:45:31.875 --> 01:45:35.815

So you mentioned free, which was if your commissioning

2109

01:45:35.875 --> 01:45:38.495

and Liverpool isn't ready for you to quite yet,

2110

01:45:38.775 --> 01:45:43.735

'cause it's still being constructed if you are operational

2111

01:45:43.735 --> 01:45:44.775

to meet national need

2112

01:45:45.315 --> 01:45:47.575

and for some reason perhaps they're not operational

2113

01:45:47.695 --> 01:45:50.015

'cause they're decommissioning to clean or do something.

2114

01:45:50.315 --> 01:45:52.935

And then the third one would be in a major power restage

2115

01:45:52.935 --> 01:45:54.055

where they may not have power

2116

01:45:54.115 --> 01:45:56.095

to operate their facility and you would be operating.

2117

01:45:56.435 --> 01:45:57.615

But I thought there was a scenario

2118

01:45:57.615 --> 01:46:01.415

where you said you may operate unabated

2119

01:46:01.415 --> 01:46:03.815

during routine maintenance outages with that

2120

01:46:07.845 --> 01:46:09.425

Yes, James TR0 for the applicant.

2121

01:46:09.455 --> 01:46:11.145

I'll hand over to Ms. Brownwood if necessary,

2122

01:46:11.145 --> 01:46:14.545

but that was the second example that you're identifying

2123

01:46:14.565 --> 01:46:17.585

or co covered by that second scenario.

2124

01:46:18.635 --> 01:46:23.225

Right. Thank you. Yeah, understood. Thank you. Um, um, Dr.

2125

01:46:23.225 --> 01:46:25.785

Boswell, I dunno if you're still with us online, please.

2126

01:46:27.285 --> 01:46:29.585

Um, what I'd like, yes, I'm sir. Thank you.

2127

01:46:29.815 --> 01:46:32.785

What I'd like to come to you now with is, like I say, uh,

2128

01:46:32.825 --> 01:46:36.465

I believe you were inquiring about the upstream, uh, I think

2129

01:46:37.125 --> 01:46:40.225

carbon capture and calculations rely regarding, uh,

2130

01:46:40.375 --> 01:46:42.865

potential CO2 emissions from the development.

2131

01:46:43.055 --> 01:46:46.065

Just again, if I could just remind you one, we,

2132

01:46:46.085 --> 01:46:48.625

we can't challenge national policy at this,

2133

01:46:48.845 --> 01:46:50.085

at this examination

2134

01:46:50.085 --> 01:46:53.085

because that's set by outside in a, in a big building

2135

01:46:53.085 --> 01:46:54.485

outside of here down in London.

2136

01:46:54.865 --> 01:46:58.005

Um, uh, but if we could, um, oh,

2137

01:46:58.005 --> 01:46:59.605

and in Cardiff, in fact, uh,

2138

01:46:59.745 --> 01:47:01.205

but if we can, um,

2139

01:47:03.565 --> 01:47:06.365

bearing in mind I will be holding an issue specific hearing

2140

01:47:06.665 --> 01:47:09.725

on the subject of climate change.

2141

01:47:09.865 --> 01:47:12.005

So if you feel it's more appropriate for, to address

2142

01:47:12.115 --> 01:47:13.845

what you are wanting to bring up there, feel free.

2143

01:47:13.845 --> 01:47:15.885

But if you want to have a quick, uh,

2144

01:47:16.685 --> 01:47:19.725

interjection there about your, your concern about the way

2145

01:47:19.725 --> 01:47:20.925

that upstream,

2146

01:47:21.005 --> 01:47:22.685

I think you said upstream emissions has been calculated.

2147

01:47:23.235 --> 01:47:25.485

Yeah, it's a different issue actually.

2148

01:47:25.525 --> 01:47:29.925

I had for, for this session, sorry, um, the,

2149

01:47:29.995 --> 01:47:34.325

that was this morning, um, when, when I was requesting

2150

01:47:34.325 --> 01:47:35.725

for the ISH slot,

2151

01:47:35.785 --> 01:47:37.525

and I appreciate you making

2152

01:47:37.525 --> 01:47:38.965

that available in the second round.

2153

01:47:39.625 --> 01:47:43.485

But the, the issue here actually is quite closely related to

2154

01:47:43.485 --> 01:47:45.205

what you've just been discussing.

2155

01:47:46.505 --> 01:47:51.045

Um, and it's to do with, um,

2156

01:47:52.465 --> 01:47:54.805

how the DCO itself

2157

01:47:56.485 --> 01:48:00.365

captures effectively the, um,

2158

01:48:01.435 --> 01:48:04.565

development as it is in the planning application

2159

01:48:04.585 --> 01:48:06.965

and in the I and in the EIA.

2160

01:48:08.145 --> 01:48:12.125

Um, and, um, we've just gone

2161

01:48:12.125 --> 01:48:13.645
through a number of scenarios.

2162

01:48:14.545 --> 01:48:16.925
Um, the three scenarios

2163

01:48:16.925 --> 01:48:21.325
where the plant may operate unabated, um, I would say

2164

01:48:21.405 --> 01:48:24.365
that there's a a another one, a fourth one, which needs

2165

01:48:24.365 --> 01:48:26.685
to be considered, actually, sorry,

2166

01:48:27.365 --> 01:48:28.165
I think we just got a bit of

2167

01:48:28.285 --> 01:48:29.125
internal feedback in the room.

2168

01:48:29.125 --> 01:48:32.045
Sorry, we, we just got you to renew the fourth one, sorry.

2169

01:48:32.395 --> 01:48:33.885
Yeah, that's right. Yeah, there,

2170

01:48:33.885 --> 01:48:37.965
there is a fourth one in the, the storage, um,

2171

01:48:38.415 --> 01:48:43.165
technology, the injection of CO₂, um,

2172

01:48:43.505 --> 01:48:47.685
in, into, in this case the old, um, oil gas field, um,

2173

01:48:48.385 --> 01:48:50.005
is a very new technology.

2174

01:48:51.225 --> 01:48:55.365

And um, there may well be times also when

2175

01:48:56.065 --> 01:49:00.405

the storage site is just not, um, operating completely

2176

01:49:00.585 --> 01:49:01.845

as one might expect.

2177

01:49:02.745 --> 01:49:04.885

And I don't think that's covered under the

2178

01:49:04.885 --> 01:49:05.925

routine maintenance.

2179

01:49:05.985 --> 01:49:09.445

The, the number two one is where the transport

2180

01:49:09.505 --> 01:49:11.965

and storage is, is being maintained.

2181

01:49:11.985 --> 01:49:14.765

And I understand that the applicant has said

2182

01:49:14.765 --> 01:49:17.365

that would be about 5% of the time,

2183

01:49:17.465 --> 01:49:20.485

and that's in the greenhouse gas chapter

2184

01:49:21.505 --> 01:49:25.085

as 5% of the time it's included in the calculations

2185

01:49:25.145 --> 01:49:28.205

as I understand it, but I'm not talking about that.

2186

01:49:28.465 --> 01:49:32.485

I'm talking about, um, when there's issues

2187

01:49:32.635 --> 01:49:36.485

with the Liverpool Bay carbon capture site

2188

01:49:37.445 --> 01:49:38.925

actually sort of working as it should.

2189

01:49:38.985 --> 01:49:40.205

And there will, you know,

2190

01:49:40.205 --> 01:49:42.125

I think it's almost said there will be teething

2191

01:49:42.125 --> 01:49:43.525

problems with this.

2192

01:49:43.635 --> 01:49:45.605

It's a very, very complex technology.

2193

01:49:46.785 --> 01:49:51.125

Um, so I think that, um, that also ought to be considered

2194

01:49:51.125 --> 01:49:53.125

as a fourth item.

2195

01:49:54.105 --> 01:49:57.285

Um, now what, what I actually wanted to raise here,

2196

01:49:58.065 --> 01:50:01.205

as I said, was the sort of congruence of the, uh,

2197

01:50:01.205 --> 01:50:05.365

development consent order with the, these issues

2198

01:50:05.745 --> 01:50:10.445

and also with the capture rate being specified at 95%, which

2199

01:50:10.985 --> 01:50:13.685

is a sort of, i I understand it as

2200

01:50:13.685 --> 01:50:16.725

that capture rate is the capture process in the amine

2201

01:50:16.795 --> 01:50:20.085

solvent and so on in the capture plant itself.

2202

01:50:20.985 --> 01:50:24.805

Um, whether that's actually achieved as well.

2203

01:50:25.825 --> 01:50:29.805

Um, and I'm having said all this

2204

01:50:30.435 --> 01:50:34.525

because I think it is relevant to 3.7, it may be better

2205

01:50:34.585 --> 01:50:39.005

for me to raise the issue about a change I would suggest

2206

01:50:39.005 --> 01:50:42.125

for the DCO, um, sort

2207

01:50:42.125 --> 01:50:45.085

of in the next section under item four actually,

2208

01:50:45.085 --> 01:50:46.805

because we haven't got to the DCO yet.

2209

01:50:46.825 --> 01:50:50.925

So maybe sort of so to speak a bit ahead of where you are,

2210

01:50:51.985 --> 01:50:53.925

but that's actually what I wanted to speak on.

2211

01:50:54.795 --> 01:50:55.765

Okay, thank you for that.

2212

01:50:55.845 --> 01:50:56.685

I, I appreciate what you're saying.

2213

01:50:56.685 --> 01:50:58.845

So what you're suggesting is that there is a potential

2214

01:50:58.865 --> 01:51:02.165

for scenario where the reservoir field out in Liverpool Bay

2215

01:51:02.585 --> 01:51:05.605

for, for, for whatever reason, like you say, due to the, um,

2216

01:51:06.105 --> 01:51:09.045

the new technology of injecting, um, carbon dioxide into

2217

01:51:09.045 --> 01:51:10.085

that reservoir.

2218

01:51:10.545 --> 01:51:12.845

We are at a situation where something happens there

2219

01:51:12.845 --> 01:51:14.325

that it cannot cope with it.

2220

01:51:14.645 --> 01:51:16.005

I I do think that might be

2221

01:51:16.005 --> 01:51:17.165

covered by the option you were saying.

2222

01:51:17.305 --> 01:51:19.765

You know, I, I'm sorry I'm a much more simplistic individual

2223

01:51:19.765 --> 01:51:20.845

Individualness, I'm saying, you know,

2224

01:51:20.845 --> 01:51:22.645

that there's a pipe there, there's not,

2225

01:51:23.035 --> 01:51:24.965

there's a pipe there, there's not a pipe there

2226

01:51:24.965 --> 01:51:26.325

to pour your waste into.

2227

01:51:26.435 --> 01:51:28.085

There's a pipe there to pour your waste into,

2228

01:51:28.085 --> 01:51:29.765

but the people who are operating it can't cope

2229

01:51:29.765 --> 01:51:30.965

your waste going into at the moment.

2230

01:51:31.345 --> 01:51:33.925

And then there's the, the, the national power outage

2231

01:51:33.925 --> 01:51:35.405

that you were describing where the people

2232

01:51:35.465 --> 01:51:38.565

who are taking your waste haven't got any power at the

2233

01:51:38.565 --> 01:51:40.165

moment either to operate their system.

2234

01:51:40.265 --> 01:51:43.005

So I think it may be covered under item two,

2235

01:51:43.005 --> 01:51:44.805

but if I can come back to the applicant please

2236

01:51:44.825 --> 01:51:45.925

for their view on that, what

2237

01:51:46.165 --> 01:51:47.165

Document? I think that just to

2238

01:51:47.165 --> 01:51:49.325

clarify, if I don't like what I'm

2239

01:51:49.325 --> 01:51:51.165

what if you don't mind just saying what I'm saying this,

2240

01:51:51.285 --> 01:51:54.045

I think that that item two was sort of routine maintenance.

2241

01:51:54.165 --> 01:51:55.685

I see what not

2242

01:51:55.725 --> 01:51:56.885

A failure of the field itself

2243

01:51:56.885 --> 01:51:57.925

storage unavailable, yeah.

2244

01:51:57.925 --> 01:52:01.445

Okay. Uh, transform storage unavailability for maintenance,

2245

01:52:01.945 --> 01:52:05.685

but it doesn't include sort of problems

2246

01:52:05.715 --> 01:52:08.245

with the technology starting up, so to speak,

2247

01:52:08.425 --> 01:52:10.925

and those sort of issues that,

2248

01:52:10.925 --> 01:52:12.005

that's the clarification

2249

01:52:12.155 --> 01:52:13.965

with the fourth one. Thank you. Thank you.

2250

01:52:14.055 --> 01:52:15.285

Thank you very much, Dr. Boswell.

2251

01:52:15.345 --> 01:52:16.965

Uh, can I pass back

2252

01:52:16.965 --> 01:52:18.565

to the applicant please for a comment on that?

2253

01:52:19.225 --> 01:52:20.925

Yes, James Strong for the applicant.

2254

01:52:21.065 --> 01:52:25.605

So I think without getting into too

2255

01:52:26.445 --> 01:52:28.325
granular, detailed to the scenarios,

2256

01:52:28.905 --> 01:52:33.205
the three scenarios are, broadly speaking, those

2257

01:52:33.955 --> 01:52:37.005
very limited circumstances in which we consider

2258

01:52:37.825 --> 01:52:41.085
the plant would be operating in an unabated fashion.

2259

01:52:43.745 --> 01:52:46.205
The ability inability

2260

01:52:46.345 --> 01:52:49.045
to accommodate the CO2 from our scheme

2261

01:52:49.045 --> 01:52:52.125
because high net is not yet operational

2262

01:52:52.185 --> 01:52:55.485
or having problems at the commissioning stage

2263

01:52:55.485 --> 01:52:59.285
of scenario one and once we're operational, if it were

2264

01:52:59.285 --> 01:53:01.365
to occur, whatever reason is scenario two.

2265

01:53:01.785 --> 01:53:04.845
So I think both scenarios capture

2266

01:53:05.035 --> 01:53:06.845
what is being contemplated.

2267

01:53:07.545 --> 01:53:09.525
Dr. Boswell's talking about, well, what happens?

2268

01:53:10.035 --> 01:53:12.325

They, they can't accommodate your CO2.

2269

01:53:12.325 --> 01:53:14.165

That is really scenario two.

2270

01:53:14.225 --> 01:53:17.605

We don't think it's likely we've given the nature

2271

01:53:17.625 --> 01:53:20.125

of the project that's been approved, given the nature

2272

01:53:20.125 --> 01:53:24.405

of its capacity, but if it were to happen,

2273

01:53:24.625 --> 01:53:27.365

that's when, of course there's a potential for the plant

2274

01:53:27.425 --> 01:53:31.405

to be operating in an unabated fashion given the need

2275

01:53:31.405 --> 01:53:33.325

for electricity to be generated.

2276

01:53:33.665 --> 01:53:35.325

So not a likely scenario,

2277

01:53:35.345 --> 01:53:39.565

but one that could theoretically occur as to

2278

01:53:40.225 --> 01:53:41.325

the answer to that.

2279

01:53:41.865 --> 01:53:44.165

It, it's really the same answer I gave to you already

2280

01:53:45.385 --> 01:53:47.805

and just put that in context.

2281

01:53:49.115 --> 01:53:53.285

What we are dealing with here in terms of CO2 are

2282
01:53:54.005 --> 01:53:57.445
emissions to climate gases or emissions,

2283
01:53:57.445 --> 01:54:01.485
however you want to call them, emissions from the process.

2284
01:54:03.145 --> 01:54:06.685
And four point 12 point 10 of

2285
01:54:07.405 --> 01:54:12.365
M-P-S-E-N one makes it clear

2286
01:54:12.435 --> 01:54:16.405
that the Secretary of state in considering applications

2287
01:54:16.405 --> 01:54:20.645
of this kind should work on the assumption that the

2288
01:54:21.245 --> 01:54:23.245
relevant pollution control regime

2289
01:54:23.905 --> 01:54:27.045
and other environmental regulatory regimes

2290
01:54:28.595 --> 01:54:30.045
will be properly applied

2291
01:54:30.105 --> 01:54:32.325
and enforced by the relevant regulator.

2292
01:54:34.025 --> 01:54:37.765
And just a couple of just very brief points on that.

2293
01:54:37.855 --> 01:54:42.285
First of all, I've already explained that

2294
01:54:43.185 --> 01:54:45.405
in the unabated scenario, the,

2295
01:54:45.505 --> 01:54:47.885

and I emphasize the unlikely unabated scenario,

2296

01:54:49.905 --> 01:54:54.765

the environmental permit process has the ability to control

2297

01:54:55.565 --> 01:54:59.525

emissions in a much more detailed way.

2298

01:54:59.805 --> 01:55:02.285

IE can say, well, you can have x per percent

2299

01:55:02.305 --> 01:55:06.045

or Y percent at particular times or not particular times.

2300

01:55:06.465 --> 01:55:08.605

So there is an entirely separate

2301

01:55:09.885 --> 01:55:14.565

relevant pollution control regime, which the policy suggests

2302

01:55:15.185 --> 01:55:17.165

you should assume will operate effectively.

2303

01:55:18.705 --> 01:55:22.125

In addition, there is the dispatchable power agreement,

2304

01:55:22.815 --> 01:55:27.285

which operates contractually as between the, uh,

2305

01:55:27.695 --> 01:55:30.365

power station and effectively the government.

2306

01:55:32.265 --> 01:55:36.685

And, and just to add another layer, the,

2307

01:55:36.955 --> 01:55:38.965

there's been a lot of case law about this,

2308

01:55:39.545 --> 01:55:44.045

but the Climate Change Act of 2008 with,

2309

01:55:44.105 --> 01:55:47.805

for example, its emissions trading scheme, which

2310

01:55:48.545 --> 01:55:51.605

itself deals with, um, carbon emissions

2311

01:55:52.795 --> 01:55:54.005

that has been held

2312

01:55:54.065 --> 01:55:57.805

to be a pollution control regime in and of itself.

2313

01:55:58.325 --> 01:56:02.885

IE the secretary of state can control by all sorts

2314

01:56:02.885 --> 01:56:05.845

of different other policy levers, emissions

2315

01:56:06.385 --> 01:56:11.165

of greenhouse gases through the Climate Change Act in order

2316

01:56:11.185 --> 01:56:14.005

to meet its own national obligations.

2317

01:56:14.985 --> 01:56:16.445

And if necessary, we can give you some

2318

01:56:16.445 --> 01:56:19.205

of the case law references to that effect.

2319

01:56:19.905 --> 01:56:22.685

So whatever the scenario

2320

01:56:23.345 --> 01:56:28.165

and how have you, how have you describe it, what I'm dealing

2321

01:56:28.165 --> 01:56:32.045

with here is that four point 12 point 10 says if there's

2322

01:56:32.045 --> 01:56:33.805

another regime that can control

2323

01:56:34.925 --> 01:56:36.165
emissions in those circumstances,

2324

01:56:36.345 --> 01:56:39.205
you should assume they'll operate effectively, which is

2325

01:56:39.205 --> 01:56:41.605
what we would say would be the case here.

2326

01:56:41.825 --> 01:56:46.365
The we can't operate this power station without complying

2327

01:56:46.365 --> 01:56:47.605
with our environmental permit.

2328

01:56:49.265 --> 01:56:51.125
We also have a dispatchable power agreement

2329

01:56:51.155 --> 01:56:53.525
that also the power of the government to deal with

2330

01:56:54.085 --> 01:56:55.805
scenarios if they were to transpire

2331

01:56:55.805 --> 01:56:57.965
of more greenhouse gas emissions being

2332

01:56:57.965 --> 01:56:59.165
generated than they wanted.

2333

01:57:00.785 --> 01:57:04.485
All of that is, um, controlled by a different regime.

2334

01:57:04.905 --> 01:57:09.885
And hence, to cut a long story short, why we don't think Dr.

2335

01:57:10.035 --> 01:57:14.045
Boswell's suggestion of a amendment to the DCO

2336

01:57:14.705 --> 01:57:18.285

is necessary or supported by 14 point, 12 point

2337

01:57:18.585 --> 01:57:20.365

of the NPS E one.

2338

01:57:20.755 --> 01:57:24.445

Okay. Um, we'll, we'll come onto to the DCO shortly and,

2339

01:57:24.445 --> 01:57:26.765

and perhaps the point that I'll give the opportunity to Dr.

2340

01:57:26.765 --> 01:57:29.005

Boswell to comment on the point of the DCO later when we get

2341

01:57:29.005 --> 01:57:30.725

to the relevant section, um,

2342

01:57:31.065 --> 01:57:35.085

rather than discount it in advance, but, um,

2343

01:57:35.085 --> 01:57:37.125

because we dunno what point he's gonna make yet, but, um,

2344

01:57:38.625 --> 01:57:42.165

but um, we, could I make some point now,

2345

01:57:42.465 --> 01:57:44.325

I'm just gonna comment on this if I can please Dr.

2346

01:57:44.325 --> 01:57:48.565

Boswell? Yes, sir. And just explain that we,

2347

01:57:49.325 --> 01:57:52.965

I appreciate that this application

2348

01:57:53.665 --> 01:57:56.685

cannot bind or designate what

2349

01:57:57.555 --> 01:58:00.445

Liverpool Bay carbon capture storage and high net will do,

2350

01:58:00.785 --> 01:58:02.885

but I think it's reasonable in the same way

2351

01:58:02.885 --> 01:58:05.205

that we should consider the, the risks that you are,

2352

01:58:05.205 --> 01:58:06.365

this is why I was talking about inputs

2353

01:58:06.365 --> 01:58:07.925

and outputs from your site in the very early

2354

01:58:07.925 --> 01:58:09.245

section of the general description.

2355

01:58:09.745 --> 01:58:11.605

You know, you, you have a waste stream,

2356

01:58:11.605 --> 01:58:14.245

which is carbon dioxide and it's intending to go into a pipe

2357

01:58:14.625 --> 01:58:19.245

and be taken by a contractor elsewhere and disposed of.

2358

01:58:19.585 --> 01:58:22.165

And it's reasonable for us, I think to be very,

2359

01:58:22.165 --> 01:58:25.165

very clear on the risks associated with that if

2360

01:58:25.165 --> 01:58:26.205

that system were to fail.

2361

01:58:26.745 --> 01:58:27.885

Uh, and,

2362

01:58:28.065 --> 01:58:31.085

and as you've described, you know, if the, the regulations

2363

01:58:31.505 --> 01:58:35.645

and uh, leg relevant legislation that is in place to ensure

2364

01:58:35.795 --> 01:58:36.965

that that should not happen.

2365

01:58:37.185 --> 01:58:38.485

So I think that's that's fine,

2366

01:58:38.665 --> 01:58:40.645

but I think it'd be something that's worth exploring, uh,

2367

01:58:40.645 --> 01:58:41.850

as we we go through in the examination.

2368

01:58:41.850 --> 01:58:44.085

Perhaps we can do that in, in written correspondence.

2369

01:58:44.175 --> 01:58:45.965

Sorry, Dr. Boswell, was there something you wanted

2370

01:58:45.965 --> 01:58:48.285

to say specifically on what was just mentioned there?

2371

01:58:48.365 --> 01:58:50.405

I appreciate we're gonna come to the DCO shortly.

2372

01:58:52.055 --> 01:58:54.875

Yes. I think just, um, to sort of

2373

01:58:55.095 --> 01:58:59.875

for forward what's sort of coming, um, that

2374

01:59:01.405 --> 01:59:06.155

there is actually precedent for what I'm asking in, in,

2375

01:59:06.535 --> 01:59:09.755

um, two previous enacted dcos

2376

01:59:09.755 --> 01:59:11.755

and also one which, uh, went through

2377

01:59:12.495 --> 01:59:14.075

the full planning process.

2378

01:59:14.845 --> 01:59:18.235

Those are the, the key B three carbon capture

2379

01:59:19.485 --> 01:59:23.435

power station and the DCO was enacted in

2380

01:59:24.375 --> 01:59:25.875

2023.

2381

01:59:27.265 --> 01:59:30.075

That has exactly the clause I'm asking

2382

01:59:30.215 --> 01:59:33.995

for in the DCO similar net zero T side,

2383

01:59:35.415 --> 01:59:39.955

um, which is exactly the same power plants as KBI is two

2384

01:59:40.695 --> 01:59:45.035

in overall concept, um, in know it's gas per CCS th

2385

01:59:45.065 --> 01:59:47.955

that the DCO for that was enacted in 2024.

2386

01:59:47.955 --> 01:59:52.835

And that also has this similar provision for the DCO to

2387

01:59:53.345 --> 01:59:55.235

effectively be congruent

2388

01:59:55.345 --> 01:59:58.315

with what's put forward in the environmental

2389

01:59:58.495 --> 01:59:59.955

impact assessment.

2390

02:00:00.695 --> 02:00:03.875

And then an equivalent provision was accepted

2391

02:00:05.135 --> 02:00:07.555

in the DC0 for the H two T side.

2392

02:00:08.415 --> 02:00:09.955

That's the blue hydrogen plant

2393

02:00:09.955 --> 02:00:12.235

and it's the blue hydrogen plant, which, um,

2394

02:00:13.535 --> 02:00:17.155

BP withdrew the application just in December.

2395

02:00:18.415 --> 02:00:21.315

Um, but it had gone all the way through the DC0 examination

2396

02:00:22.295 --> 02:00:23.995

and that there was an agreed

2397

02:00:24.635 --> 02:00:26.555

DC0 at the end of that examination.

2398

02:00:26.655 --> 02:00:29.315

It also has the equivalent provisioning.

2399

02:00:29.535 --> 02:00:33.195

So there's a precedent three times for what I'm asking.

2400

02:00:33.525 --> 02:00:34.755

We'll come on a bit more.

2401

02:00:34.935 --> 02:00:36.435

If we can come onto the DC0 please

2402

02:00:36.435 --> 02:00:38.475

and pick that clause up that you are referring to.

2403

02:00:38.595 --> 02:00:40.395

'cause we'll actually address it in, we've been specifically

2404

02:00:40.395 --> 02:00:41.875
within the DC0 if that's okay.

2405

02:00:41.875 --> 02:00:45.035
Yeah, thank you. But I have noted your concern about the,

2406

02:00:45.095 --> 02:00:47.395
uh, novel

2407

02:00:48.095 --> 02:00:51.875
and relative, uh, new age technology of

2408

02:00:53.015 --> 02:00:55.435
Mm-hmm the Risk of

2409

02:00:56.855 --> 02:00:59.235
carbon dioxide being able to be stored.

2410

02:00:59.515 --> 02:01:02.155
I think that's outside of the remit of this examination.

2411

02:01:02.355 --> 02:01:03.995
I totally accept it's within the remit

2412

02:01:04.015 --> 02:01:05.515
of Liverpool Bay carbon capture

2413

02:01:05.515 --> 02:01:08.515
and hope that they have, uh, managed to bottom that one out.

2414

02:01:08.535 --> 02:01:10.155
But we will, we'll come onto that shortly.

2415

02:01:10.655 --> 02:01:12.915
I'm going to move on now just to item 3.8

2416

02:01:12.915 --> 02:01:13.995
and then we'll take a break for everyone.

2417

02:01:13.995 --> 02:01:15.595

It's benefit for a bit of a comfort break,

2418

02:01:15.615 --> 02:01:19.955

but, uh, 3.8 is just addressing how, um,

2419

02:01:20.655 --> 02:01:22.795

the proposed development has met the requirement

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02:01:22.795 --> 02:01:26.075

to achieve good design, appreciating this is a large piece

2421

02:01:26.075 --> 02:01:27.555

of infrastructure and power plant,

2422

02:01:27.555 --> 02:01:29.315

very challenging operation to do sometimes,

2423

02:01:29.375 --> 02:01:33.235

but the NPS does require us to consider that the principles

2424

02:01:33.255 --> 02:01:35.635

of good design have been considered.

2425

02:01:35.895 --> 02:01:38.955

So would it be possible, please, for the applicant

2426

02:01:39.005 --> 02:01:41.085

to explain how they've done their best to,

2427

02:01:41.185 --> 02:01:42.965

to meet those requirements?

2428

02:01:44.455 --> 02:01:45.645

James Strom for the applicant.

2429

02:01:45.745 --> 02:01:48.605

I'm gonna ask Mr. Bullock to help you with that, sir.

2430

02:01:48.775 --> 02:01:49.775

Thank you.

2431

02:01:51.135 --> 02:01:53.325

Thank you Jeff Bullock on behalf of the applicant.

2432

02:01:53.585 --> 02:01:56.245

Um, excuse me, I've got a bit to, to cover,

2433

02:01:56.265 --> 02:01:58.925

but hopefully it'll be, it'll be helpful in understanding

2434

02:01:59.065 --> 02:02:01.685

the, the process the the applicants followed.

2435

02:02:02.665 --> 02:02:05.125

So the approach of the applicants has taken

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02:02:05.265 --> 02:02:10.205

to achieving good design taking account of M-P-S-E-N one 4.7

2437

02:02:10.825 --> 02:02:13.605

is set out in the design approach document which they've

2438

02:02:14.085 --> 02:02:15.165

produced, which is, um,

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02:02:15.725 --> 02:02:19.365

examination document reference a PP 2 63.

2440

02:02:19.825 --> 02:02:22.645

Um, I'm going to refer to that as the dad going forward.

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02:02:22.805 --> 02:02:25.005

I don't particularly like that, but it's a bit

2442

02:02:25.005 --> 02:02:26.325

of a mouthful to keep saying it.

2443

02:02:26.745 --> 02:02:28.845

Um, in preparing that document,

2444

02:02:28.905 --> 02:02:30.125
the applicant has had regards

2445

02:02:30.125 --> 02:02:32.205
to the planning inspectorates advice on good design,

2446

02:02:32.215 --> 02:02:35.765
which is published in October, 2024.

2447

02:02:35.865 --> 02:02:40.245
And that includes, um, annex A of that guidance,

2448

02:02:40.435 --> 02:02:42.165
good design issues to consider,

2449

02:02:42.265 --> 02:02:45.765
and that's evidenced that Appendix B of the dad.

2450

02:02:46.345 --> 02:02:47.885
Um, the primary focus

2451

02:02:47.905 --> 02:02:50.725
of the dad has been on the main development area or the MDA

2452

02:02:51.265 --> 02:02:52.565
and that will be the location

2453

02:02:52.905 --> 02:02:55.965
of the C-C-T-C-C-G-T generating station

2454

02:02:56.065 --> 02:02:57.205
and carbon capture plants.

2455

02:02:57.265 --> 02:02:59.325
So work number one in the DC0

2456

02:03:00.145 --> 02:03:02.525
and that area will accommodate the proposed developments,

2457

02:03:02.595 --> 02:03:04.045

main buildings and structures.

2458

02:03:04.745 --> 02:03:06.645

The other components, the proposed development

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02:03:06.645 --> 02:03:09.285

outside the MDA primarily comprise connections

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02:03:09.285 --> 02:03:11.005

and infrastructure such as cables and

2461

02:03:11.065 --> 02:03:15.045

and pipelines, temporary construction and lay down areas

2462

02:03:15.045 --> 02:03:16.645

and limited access and highway works.

2463

02:03:17.945 --> 02:03:19.645

So to summarize, the dad sort

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02:03:19.645 --> 02:03:20.805

of covers the following things.

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02:03:21.025 --> 02:03:23.405

It, it considers the relevant design policy

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02:03:23.705 --> 02:03:27.645

and guidance set out in in the MPSS and other documents.

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02:03:28.305 --> 02:03:31.765

It explains the it iterative design process

2468

02:03:31.945 --> 02:03:34.765

that's been followed from defining the project brief,

2469

02:03:35.375 --> 02:03:39.605

assembling the design team to identify the constraints

2470

02:03:39.605 --> 02:03:41.885

and opportunities presented by the MDA

2471

02:03:41.885 --> 02:03:42.925

and the wider order limits.

2472

02:03:43.745 --> 02:03:47.725

It describes the design vision for the project, um,

2473

02:03:47.785 --> 02:03:49.045

design objectives

2474

02:03:49.625 --> 02:03:51.605

and the approach to design flexibility

2475

02:03:51.635 --> 02:03:53.805

that has informed the overall design process.

2476

02:03:54.825 --> 02:03:56.885

In addition to the design principles

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02:03:57.155 --> 02:04:01.285

that have been taken forward, It presents the early layout

2478

02:04:01.385 --> 02:04:03.285

and design studies for the proposed development

2479

02:04:03.285 --> 02:04:05.965

and explains how the design has evolved through the various

2480

02:04:06.745 --> 02:04:09.845

stages of consultation during the pre-application process.

2481

02:04:11.025 --> 02:04:13.405

It sets out a final indicative design

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02:04:13.405 --> 02:04:14.605

of the proposed development,

2483

02:04:15.255 --> 02:04:18.805

which is presented in the DCR application, having regard

2484

02:04:18.805 --> 02:04:21.365

to key design considerations such as use layout,

2485

02:04:21.725 --> 02:04:24.725

architecture, materials, color and access.

2486

02:04:25.785 --> 02:04:28.565

And importantly, it it confirms the control mechanisms,

2487

02:04:28.565 --> 02:04:30.965

including the, the sort of final design principles

2488

02:04:30.965 --> 02:04:32.405

that would secure good design

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02:04:33.025 --> 02:04:35.205

should development consent be be granted.

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02:04:37.145 --> 02:04:39.605

So the dad is therefore in accordance with EN one,

2491

02:04:39.605 --> 02:04:41.685

paragraph 4.7 0.7,

2492

02:04:41.685 --> 02:04:43.685

which states the applicants must demonstrate

2493

02:04:43.745 --> 02:04:45.605

how the design process was conducted

2494

02:04:45.605 --> 02:04:47.285

and how the proposed design involved.

2495

02:04:47.345 --> 02:04:50.605

So that has been documented through, through the dad.

2496

02:04:51.705 --> 02:04:54.525

Um, the applicant's also produced a design principles

2497

02:04:54.885 --> 02:04:59.405

document that's examination library reference A PP 2 64.

2498

02:05:00.265 --> 02:05:04.005

Um, I'm going to refer to this as the DPD probably going

2499

02:05:04.005 --> 02:05:06.165

to get mixed up at some stage, but we'll see how we go.

2500

02:05:06.745 --> 02:05:10.605

Um, so the DPD sets out the various design principles,

2501

02:05:10.605 --> 02:05:12.365

which would inform the detailed design

2502

02:05:12.365 --> 02:05:14.445

of the proposed development post consent.

2503

02:05:15.185 --> 02:05:17.165

And those design principles are secured

2504

02:05:17.165 --> 02:05:20.685

by requirement three, detailed design of the draft DC0,

2505

02:05:21.185 --> 02:05:25.245

that's examination document reference a PP 0 1 9,

2506

02:05:26.225 --> 02:05:28.445

and that requires that in relation to any stage

2507

02:05:28.445 --> 02:05:29.725

of the authorized development.

2508

02:05:30.545 --> 02:05:33.245

No development of that stage may commence until written.

2509

02:05:33.275 --> 02:05:35.205

Details of the detailed designed for

2510

02:05:35.205 --> 02:05:36.365

that stage have been approved

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02:05:36.385 --> 02:05:37.725

by the relevant planning authority

2512

02:05:38.865 --> 02:05:40.085
and requirement three states.

2513

02:05:40.085 --> 02:05:42.725
Those details must be in general accordance with the,

2514

02:05:42.785 --> 02:05:47.725
the design principles document, the DPD, the production

2515

02:05:47.725 --> 02:05:48.885
of the DPD and the securing

2516

02:05:48.885 --> 02:05:51.645
of the design principles within it, it, sorry,

2517

02:05:51.645 --> 02:05:56.165
within the DC0 accords of EN one, paragraph 4.7 0.5,

2518

02:05:56.835 --> 02:05:59.365
this states the design principles should be established from

2519

02:05:59.365 --> 02:06:01.685
the outset to guide the development from

2520

02:06:01.685 --> 02:06:02.965
conception to operation.

2521

02:06:03.505 --> 02:06:05.205
And also the applicant should consider

2522

02:06:05.205 --> 02:06:07.765
how their design principles can be applied post consent.

2523

02:06:08.745 --> 02:06:11.085
So section seven, securing good design

2524

02:06:11.085 --> 02:06:14.485
of the D provides further detail on the mechanisms

2525

02:06:14.485 --> 02:06:16.965

and controls, which would secure the detailed design

2526

02:06:16.965 --> 02:06:18.125

of the proposed development

2527

02:06:18.785 --> 02:06:21.405

and ensure that good design is ultimately achieved

2528

02:06:21.425 --> 02:06:23.965

and delivered the data.

2529

02:06:24.035 --> 02:06:27.685

Paragraph 7.1 0.3 confirms that these mechanisms

2530

02:06:27.985 --> 02:06:30.965

and controls include the design principles document

2531

02:06:31.665 --> 02:06:33.885

and it confirms them as being design commitments.

2532

02:06:36.105 --> 02:06:38.565

In considering the approach taken to the design

2533

02:06:38.565 --> 02:06:40.925

of the proposed developments, it's important to recognize

2534

02:06:40.925 --> 02:06:42.365

that it would be located adjacent

2535

02:06:42.385 --> 02:06:44.965

to the existing corners key power station,

2536

02:06:45.095 --> 02:06:48.245

which is a four unit CCGT generating station.

2537

02:06:49.545 --> 02:06:51.485

And the MDA is therefore in a location

2538

02:06:51.485 --> 02:06:53.805

that is already characterized by large buildings

2539

02:06:54.105 --> 02:06:56.325

and structures and associated infrastructure,

2540

02:06:56.795 --> 02:06:58.685

including high voltage overhead lines.

2541

02:06:59.265 --> 02:07:01.805

And as such, sits in a fairly industrialized context

2542

02:07:01.985 --> 02:07:04.245

and has a long history of power generation.

2543

02:07:06.375 --> 02:07:08.165

While the approach taken to the design

2544

02:07:08.165 --> 02:07:10.365

of the proposed development has been an iterative process,

2545

02:07:11.105 --> 02:07:13.645

taking account of its context and the constraints

2546

02:07:13.665 --> 02:07:15.725

and the opportunities presented by the site,

2547

02:07:16.545 --> 02:07:19.205

it has also taken account of the function

2548

02:07:19.205 --> 02:07:21.285

and purpose of the proposed development, which ultimately is

2549

02:07:21.285 --> 02:07:24.645

to generate electricity and then export it to the grid.

2550

02:07:25.105 --> 02:07:28.405

And the reality that the design of a CCT generating station

2551

02:07:29.065 --> 02:07:31.245

is by its very nature, inherently influenced

2552
02:07:31.265 --> 02:07:33.845
by technical engineering, environmental

2553
02:07:34.025 --> 02:07:35.405
and safety considerations.

2554
02:07:36.465 --> 02:07:40.325
The approach to design has also necessarily incorporated a

2555
02:07:40.325 --> 02:07:42.725
degree of flexibility in the design of the main buildings

2556
02:07:42.725 --> 02:07:46.325
and structures to allow for detailed design, post consent

2557
02:07:46.655 --> 02:07:49.285
after contractual appointment, in addition

2558
02:07:49.285 --> 02:07:50.725
to changes in economic conditions

2559
02:07:50.725 --> 02:07:51.845
and technology that may,

2560
02:07:51.945 --> 02:07:53.645
may occur in the intervening period.

2561
02:07:55.835 --> 02:07:58.245
With regards to this, it's important to note, um,

2562
02:07:58.405 --> 02:08:02.005
a few things that are sort of set out in, excuse me,

2563
02:08:02.025 --> 02:08:03.445
in N-P-S-E-N one

2564
02:08:03.505 --> 02:08:06.605
and also EN two, which I think are, are, are relevant

2565
02:08:06.605 --> 02:08:08.085

to sort of the consideration of the approach

2566

02:08:08.085 --> 02:08:10.045

that's been taken to design.

2567

02:08:10.785 --> 02:08:14.685

So E em one at paragraph 4.7 0.1 confirms that

2568

02:08:15.235 --> 02:08:17.645

high quality and inclusive design goes far

2569

02:08:17.645 --> 02:08:19.325

beyond aesthetic considerations

2570

02:08:20.065 --> 02:08:21.645

and that the functionality of a building

2571

02:08:21.825 --> 02:08:24.125

or other type of infrastructure, including fitness

2572

02:08:24.225 --> 02:08:27.205

for purpose and sustainability is equally important.

2573

02:08:28.605 --> 02:08:31.925

Em one paragraph 4.7 0.2 notes that the nature

2574

02:08:31.925 --> 02:08:34.325

of energy infrastructure development will often limit the

2575

02:08:34.325 --> 02:08:37.445

extent to which it can contribute enhancement

2576

02:08:37.445 --> 02:08:38.605

to the quality of the area.

2577

02:08:40.885 --> 02:08:44.525

Em one paragraph 4.7 point 12 states in decision making.

2578

02:08:44.545 --> 02:08:46.125

The Secretary of State should take account

2579

02:08:46.705 --> 02:08:48.765

of the ultimate purpose of the infrastructure,

2580

02:08:48.825 --> 02:08:51.525

and bear in mind the operational safety

2581

02:08:51.585 --> 02:08:54.325

and security requirements, which the design has to satisfy.

2582

02:08:56.125 --> 02:08:58.005

EN two, which specifically relates

2583

02:08:58.065 --> 02:09:01.685

to projects like the proposed development of paragraph 2.4,

2584

02:09:01.685 --> 02:09:04.445

0.26 states that the main buildings

2585

02:09:04.445 --> 02:09:06.885

and structures of natural gas electricity generating

2586

02:09:06.885 --> 02:09:08.045

stations are large

2587

02:09:08.505 --> 02:09:10.765

and they will have an impact on the surrounding landscape

2588

02:09:10.765 --> 02:09:11.765

and visual amenity.

2589

02:09:12.155 --> 02:09:14.565

That overall size will depend on the technology

2590

02:09:14.565 --> 02:09:15.925

and design being pursued.

2591

02:09:17.525 --> 02:09:21.685

EN two, paragraph 2.3 recognizes that it's not possible

2592

02:09:21.685 --> 02:09:22.765

to eliminate the landscape

2593

02:09:22.765 --> 02:09:24.645
and visual impacts associated

2594

02:09:25.155 --> 02:09:27.925
with natural gas electricity generating stations

2595

02:09:27.925 --> 02:09:30.845
because of their size and the, the technology deployed.

2596

02:09:32.025 --> 02:09:36.085
And finally, en N two, paragraph 2.6 point 11

2597

02:09:37.025 --> 02:09:38.965
states in accordance with EN N one

2598

02:09:39.625 --> 02:09:41.205
in requiring any design adjustments

2599

02:09:41.205 --> 02:09:43.525
to a natural gas electricity generating station

2600

02:09:43.585 --> 02:09:45.285
to minimize adverse effects.

2601

02:09:45.825 --> 02:09:48.125
The Secretary State needs to be aware of the statutory

2602

02:09:48.125 --> 02:09:51.205
and technical requirements that inform plank design

2603

02:09:51.665 --> 02:09:54.445
and may require the incorporation of certain design details.

2604

02:09:55.385 --> 02:09:57.965
So the design has had, had regard to that, that sort

2605

02:09:57.965 --> 02:10:00.765
of policy context and also the reality of, of what,

2606

02:10:00.765 --> 02:10:03.405

what the, what the proposed development actually is.

2607

02:10:04.985 --> 02:10:06.845

So the design v design vision

2608

02:10:06.905 --> 02:10:08.725

for the proposed development is set out section

2609

02:10:08.795 --> 02:10:10.045

four point 10 of the dad.

2610

02:10:10.105 --> 02:10:11.125

And in summary, this is

2611

02:10:11.125 --> 02:10:13.205

to deliver a low carbon generating station

2612

02:10:13.875 --> 02:10:17.125

with carbon capture at con's key, continuing its history

2613

02:10:17.125 --> 02:10:19.645

of energy production and moving towards a vision

2614

02:10:19.665 --> 02:10:20.805

for a net zero future,

2615

02:10:21.795 --> 02:10:25.285

provide a substantial increase in net electrical output onto

2616

02:10:25.305 --> 02:10:28.485

the Nat National Electricity Network, supporting security

2617

02:10:28.745 --> 02:10:32.725

and resilience of supply, respect the local environment

2618

02:10:32.725 --> 02:10:34.965

and context, minimizing disturbance

2619

02:10:34.965 --> 02:10:37.645

and changes to people's day-to-day lives in the local area,

2620

02:10:38.385 --> 02:10:40.605

and minimizing environmental impacts as far

2621

02:10:40.605 --> 02:10:44.485

as reasonably practical practicable, excuse me,

2622

02:10:44.485 --> 02:10:47.365

and minimizing where reasonably practical impacts on visual

2623

02:10:47.645 --> 02:10:50.165

immunity through the appropriate sighting infrastructure

2624

02:10:50.905 --> 02:10:53.445

and the selection of appropriate materials and colors.

2625

02:10:55.025 --> 02:10:57.565

Design objectives were established at an early stage

2626

02:10:57.705 --> 02:11:00.405

and they were informed by that design vision,

2627

02:11:01.465 --> 02:11:03.965

the context within which the pro proposed development would

2628

02:11:04.025 --> 02:11:05.445

sit, the constraints

2629

02:11:05.445 --> 02:11:07.605

and opportunities that exist national policy

2630

02:11:08.305 --> 02:11:11.365

and also the national infrastructure Commissions,

2631

02:11:11.515 --> 02:11:15.645

good design principles, which cover factors such as climate,

2632

02:11:15.785 --> 02:11:17.845

people, places, and value.

2633

02:11:18.665 --> 02:11:21.365

And these are all set out in section four point 11.

2634

02:11:21.375 --> 02:11:22.885

Table two of the dad.

2635

02:11:24.665 --> 02:11:26.325

The need for design flexibility

2636

02:11:26.425 --> 02:11:28.405

and its extent in relation

2637

02:11:28.525 --> 02:11:30.885

to the proposed development is explained in section four

2638

02:11:30.885 --> 02:11:31.965

point 12 of the dad.

2639

02:11:32.675 --> 02:11:35.325

This flexibility is defined by maximum design

2640

02:11:35.325 --> 02:11:36.325

and scale parameters,

2641

02:11:36.745 --> 02:11:39.085

and those have been used in the environmental impact

2642

02:11:39.085 --> 02:11:41.885

assessment, um, for the proposed development,

2643

02:11:42.225 --> 02:11:44.605

and they'll be secured through the DPD

2644

02:11:44.905 --> 02:11:46.685

and the PR parameter plans

2645

02:11:46.785 --> 02:11:50.245

and the draft ECO in particular, requirement three.

2646

02:11:52.035 --> 02:11:54.965

Section five of the dad presents the early layout

2647

02:11:55.145 --> 02:11:57.205

and design studies for the proposed development.

2648

02:11:57.825 --> 02:12:00.085

It explains that paragraph 5.19.

2649

02:12:00.115 --> 02:12:03.725

It's in parallel with developing the indicative MDA layout,

2650

02:12:04.025 --> 02:12:05.565

the architectural implications,

2651

02:12:05.845 --> 02:12:07.725

the proposed development in terms of its scale

2652

02:12:08.265 --> 02:12:11.485

and massing were reviewed having established a likely

2653

02:12:11.805 --> 02:12:13.565

building heights and footprints required

2654

02:12:13.565 --> 02:12:14.845

for its main process areas.

2655

02:12:15.805 --> 02:12:19.125

A 3D massing model was then generated, um, that appears

2656

02:12:19.125 --> 02:12:21.165

as figure dad 10 within the dad.

2657

02:12:21.995 --> 02:12:24.085

This was used to analyze the scale

2658

02:12:24.265 --> 02:12:25.565

of the proposed development

2659

02:12:26.145 --> 02:12:28.365

and it helps steer changes in the site layout

2660
02:12:29.145 --> 02:12:31.245
to improve its overall massing and form

2661
02:12:31.665 --> 02:12:33.365
and to minimize its visual impact.

2662
02:12:34.195 --> 02:12:37.045
Section five of the dad goes on to explain how the layout

2663
02:12:37.385 --> 02:12:39.765
and design evolve through the pre-application process

2664
02:12:40.425 --> 02:12:42.765
and the various stages of consultation.

2665
02:12:43.855 --> 02:12:47.045
Again, this accordance with, um, N-P-S-E-N one,

2666
02:12:47.045 --> 02:12:49.045
paragraph 4.7 0.7,

2667
02:12:49.575 --> 02:12:51.725
which states the applicants must demonstrate

2668
02:12:51.725 --> 02:12:53.565
how the design process was conducted

2669
02:12:53.865 --> 02:12:55.605
and how the proposed design evolved.

2670
02:12:56.635 --> 02:12:58.845
This section of the dad also explains why design

2671
02:12:58.845 --> 02:12:59.965
choices have been made.

2672
02:13:00.375 --> 02:13:02.925
Again, that's, that's in line with, um, EN one

2673
02:13:02.925 --> 02:13:06.365

and that paragraph section six

2674

02:13:06.365 --> 02:13:09.445

of the dad sets out in some detail the final indicative

2675

02:13:09.445 --> 02:13:10.925

design of the proposed development.

2676

02:13:10.945 --> 02:13:12.565

So this is the design that's

2677

02:13:13.155 --> 02:13:16.365

presented within the DCO application that is before you,

2678

02:13:17.065 --> 02:13:20.645

and that has regard to certain key design considerations,

2679

02:13:20.735 --> 02:13:24.205

which are covered early on, such as use layout, um,

2680

02:13:24.205 --> 02:13:26.405

architecture, materials, color and access.

2681

02:13:27.265 --> 02:13:29.365

It demonstrates how it would result in the creation

2682

02:13:29.365 --> 02:13:32.805

of a sustainable infrastructure that is sensitive to place.

2683

02:13:32.825 --> 02:13:33.965

As far as practical,

2684

02:13:35.225 --> 02:13:38.365

the indicative architectural design is presented at Figure

2685

02:13:38.665 --> 02:13:42.725

DAD 13, and it's also shown on the indicative site layout

2686

02:13:42.835 --> 02:13:46.365

plan, which is reference a PP 2 67.

2687
02:13:47.185 --> 02:13:49.645
And the indicative site wide elevations

2688
02:13:50.325 --> 02:13:52.405
reference a PPP 2 68

2689
02:13:53.065 --> 02:13:55.485
and also the indicative design elevations

2690
02:13:56.085 --> 02:13:58.605
reference a PPP 2 69.

2691
02:13:59.745 --> 02:14:01.005
So some of the key features

2692
02:14:01.005 --> 02:14:03.885
of the final indicative design presented in the application

2693
02:14:03.985 --> 02:14:06.445
are that the layout of the the MDA,

2694
02:14:06.625 --> 02:14:09.085
the main development area has sought

2695
02:14:09.105 --> 02:14:10.845
to minimize permanent land take

2696
02:14:11.415 --> 02:14:13.645
while maintaining flexibility for future

2697
02:14:14.165 --> 02:14:15.365
detailed design development.

2698
02:14:16.545 --> 02:14:17.645
The largest buildings

2699
02:14:17.645 --> 02:14:20.445
and structures are located as close to the built development

2700
02:14:20.465 --> 02:14:22.405

of the existing power station as possible,

2701

02:14:23.225 --> 02:14:25.285

and also as far away from the more visually

2702

02:14:25.865 --> 02:14:28.005

and ecologically sensitive northeastern

2703

02:14:28.065 --> 02:14:30.005

and southwestern edges of the MDA.

2704

02:14:31.025 --> 02:14:35.845

Excuse me. The powertrains are arranged in a linear

2705

02:14:35.845 --> 02:14:39.325

fashion and mirror each other sitting within the perimeter

2706

02:14:39.325 --> 02:14:42.325

and internal road systems with the largest buildings

2707

02:14:42.325 --> 02:14:44.925

and structures aligned between each the powertrains

2708

02:14:44.925 --> 02:14:48.125

to achieve a cohesive and visually balanced design.

2709

02:14:49.105 --> 02:14:50.525

The arrangements of the buildings

2710

02:14:50.525 --> 02:14:52.885

and structures is aimed at minimizing building

2711

02:14:52.895 --> 02:14:54.485

footprints and overall scale.

2712

02:14:54.565 --> 02:14:56.005

Amassing by,

2713

02:14:56.005 --> 02:14:58.925

in principle adopting what's called a form follows function

2714

02:14:58.925 --> 02:15:01.645

design to avoid more sculptural design,

2715

02:15:01.645 --> 02:15:03.845

which would not be volumetrically efficient.

2716

02:15:05.485 --> 02:15:06.845

A visually related family

2717

02:15:06.865 --> 02:15:09.245

of buildings has been established adopting the same

2718

02:15:09.275 --> 02:15:11.045

architectural design approach

2719

02:15:11.585 --> 02:15:13.965

across all the principle buildings and structures.

2720

02:15:15.825 --> 02:15:17.925

The design will also employ a limited pallet

2721

02:15:17.985 --> 02:15:19.925

of durable high quality materials

2722

02:15:20.635 --> 02:15:23.765

that are articulate architectural elements in both form

2723

02:15:23.785 --> 02:15:25.725

and color across the proposed development

2724

02:15:26.225 --> 02:15:28.765

to further reinforce it as a family of buildings

2725

02:15:28.765 --> 02:15:31.125

of a cohesive and visually balanced design

2726

02:15:32.465 --> 02:15:34.085

and consideration has given,

2727

02:15:34.185 --> 02:15:35.765

has been given in the additive design to

2728

02:15:35.765 --> 02:15:37.725

how color might be applied to minimize the scale

2729

02:15:37.745 --> 02:15:40.565

and massing of the buildings and structures.

2730

02:15:41.265 --> 02:15:42.885

And lighting would also be designed

2731

02:15:42.885 --> 02:15:46.285

to reduce unnecessary light spill outside the MDA.

2732

02:15:46.985 --> 02:15:48.485

Um, there are other features,

2733

02:15:48.485 --> 02:15:50.685

but those are just some of the, the key ones and,

2734

02:15:50.745 --> 02:15:53.685

and you can read more about that in the, in the dad.

2735

02:15:54.905 --> 02:15:57.325

Um, it's therefore considered the dad demonstrates the

2736

02:15:57.325 --> 02:15:59.325

applicant has applied a robust approach

2737

02:15:59.425 --> 02:16:02.365

to good design in respect to the proposed development

2738

02:16:02.785 --> 02:16:04.205

and has taken appropriate

2739

02:16:04.345 --> 02:16:05.565

and proportionate opportunities

2740

02:16:05.745 --> 02:16:07.685

to demonstrate good design in accordance

2741

02:16:07.685 --> 02:16:09.005
of the relevant mpss.

2742

02:16:10.395 --> 02:16:12.605
Section seven, securing good design

2743

02:16:12.605 --> 02:16:14.845
of the dad provides the detail on the mechanisms

2744

02:16:15.265 --> 02:16:18.245
and controls, which would secure the detailed design

2745

02:16:18.245 --> 02:16:19.405
of the proposed development

2746

02:16:19.945 --> 02:16:22.365
and ensure that the good design is actually delivered.

2747

02:16:23.435 --> 02:16:27.205
Paragraph 7.1 0.3 of the data confirms that these mechanisms

2748

02:16:27.205 --> 02:16:29.485
and controls are treated as design commitments.

2749

02:16:32.185 --> 02:16:35.045
The design principles document sets out the maximum

2750

02:16:35.145 --> 02:16:38.565
and fixed design parameters at table, um, 1.1

2751

02:16:38.945 --> 02:16:41.805
and the design principles at table 1.2.

2752

02:16:42.065 --> 02:16:43.805
And those will inform the detailed design

2753

02:16:43.805 --> 02:16:44.845
of the proposed development.

2754

02:16:45.745 --> 02:16:48.005

Um, for complete list TA complete, sorry.

2755

02:16:48.005 --> 02:16:51.125

Table 1.2 of the, of the design principles document

2756

02:16:51.835 --> 02:16:54.365

also includes other design commitments that are secured

2757

02:16:54.365 --> 02:16:56.485

by other DCO application documents

2758

02:16:56.625 --> 02:16:58.765

and DCO requirements that are in one place.

2759

02:17:00.905 --> 02:17:03.005

The design principles and commitments demonstrate

2760

02:17:03.005 --> 02:17:04.325

that there'll be a significant degree

2761

02:17:04.325 --> 02:17:06.645

of control over the final detailed design

2762

02:17:06.645 --> 02:17:07.725

of the proposed development.

2763

02:17:08.555 --> 02:17:12.605

Notably, design principle one set out at table 1.2

2764

02:17:12.705 --> 02:17:15.845

of the design principles document involves the appointment

2765

02:17:15.845 --> 02:17:18.525

of a design champion to oversee the detailed design

2766

02:17:18.525 --> 02:17:20.485

of the proposed development post consent.

2767

02:17:22.715 --> 02:17:24.605

This design champion would have a number

2768

02:17:24.605 --> 02:17:26.085
of functions including ensuring

2769

02:17:26.085 --> 02:17:29.005
that the design principles are reflected in the brief

2770

02:17:29.145 --> 02:17:32.565
for the detailed design team, establishing collaborative,

2771

02:17:32.565 --> 02:17:35.445
working with the design team, ensuring good design,

2772

02:17:35.445 --> 02:17:38.165
both in terms of the design process and the outcomes,

2773

02:17:39.025 --> 02:17:41.285
and managing and coordinating the preparation

2774

02:17:41.285 --> 02:17:42.885
and materials that's appropriate

2775

02:17:43.065 --> 02:17:44.685
for design review panel sessions.

2776

02:17:45.665 --> 02:17:47.885
The appointment of a design champion, again,

2777

02:17:47.885 --> 02:17:52.525
is in accordance of em one paragraph 4.7 0.5, which states

2778

02:17:52.525 --> 02:17:54.925
that to ensure good design is embedded within the project

2779

02:17:54.925 --> 02:17:58.365
development, a project board level design champion could be

2780

02:17:58.365 --> 02:18:00.645
appointed and a representative design panel used

2781

02:18:00.645 --> 02:18:02.085

to maximize the value

2782

02:18:02.925 --> 02:18:06.205
provided by the infrastructure design.

2783

02:18:06.205 --> 02:18:09.365
Principle 37 at table 1.2

2784

02:18:09.545 --> 02:18:12.805
of the design principles document further provides the

2785

02:18:13.005 --> 02:18:14.925
detailed design of each relevant stage of work.

2786

02:18:14.925 --> 02:18:17.525
Number one will be subject to a design review

2787

02:18:17.825 --> 02:18:20.725
by the Design Commission for Wales prior to the submission

2788

02:18:20.745 --> 02:18:24.445
of details for that stage, the relevant planning authority

2789

02:18:25.105 --> 02:18:28.285
for approval pursuant to requirement three of the draft ECA.

2790

02:18:29.145 --> 02:18:30.845
So in conclusion, it's considered

2791

02:18:30.845 --> 02:18:32.925
that the proposed development represents good design

2792

02:18:33.345 --> 02:18:35.685
for the purposes of low carbon energy infrastructure

2793

02:18:36.145 --> 02:18:40.365
and policy set out in the relevant mpss, the local context,

2794

02:18:40.625 --> 02:18:44.725
and also other relevant policy. Thank you. Thank

2795

02:18:44.725 --> 02:18:45.725

You, Mr. Book. Um,

2796

02:18:45.725 --> 02:18:49.165

I think, you know, you again, as you alluded to,

2797

02:18:49.165 --> 02:18:50.725

the NPS emphasizes it's difficult

2798

02:18:50.725 --> 02:18:52.365

to apply good design to power stations.

2799

02:18:52.865 --> 02:18:54.565

Uh, and I think there's, you know, some items there

2800

02:18:54.565 --> 02:18:57.005

that you've picked out, which I, i perhaps hadn't picked up

2801

02:18:57.005 --> 02:18:58.965

for the application, like you say, the alignments

2802

02:18:59.065 --> 02:19:00.525

and using, trying to align things

2803

02:19:00.525 --> 02:19:02.005

to the existing infrastructure and site

2804

02:19:02.005 --> 02:19:03.125

and the highway and what have you.

2805

02:19:04.185 --> 02:19:06.085

Uh, I'm being a bit unfair now,

2806

02:19:06.085 --> 02:19:09.005

but I, I think you, you described design, I'm not sure

2807

02:19:09.005 --> 02:19:10.245

how much of it was good design,

2808

02:19:10.245 --> 02:19:11.005

but I think you, you know,

2809

02:19:11.165 --> 02:19:12.085

I think there was some elements there.

2810

02:19:12.085 --> 02:19:13.965

So I, I agree that you know, and you have gone through

2811

02:19:13.965 --> 02:19:16.565

and described that I guess what's going through my head,

2812

02:19:16.565 --> 02:19:19.045

and this is a slightly unfair position again to put you in

2813

02:19:19.045 --> 02:19:20.045

as the applicant, uh,

2814

02:19:20.045 --> 02:19:23.325

or representing the applicant, is, um, if I think

2815

02:19:23.325 --> 02:19:25.445

of historic power stations like Badea Power Station

2816

02:19:25.505 --> 02:19:26.765

and a Tate Modern in London,

2817

02:19:27.385 --> 02:19:29.445

I'm not in any way advocating a return to sort

2818

02:19:29.445 --> 02:19:31.405

of Victorian vernacular architecture,

2819

02:19:31.905 --> 02:19:34.125

but I do think, you know, in 30 years time,

2820

02:19:34.125 --> 02:19:36.925

would we look back at this development in the same light

2821

02:19:36.925 --> 02:19:39.485

and say that was a good example of what we did at the time,

2822

02:19:39.505 --> 02:19:43.445

or is, was it, you know, do I get a sense of, you know,

2823

02:19:44.545 --> 02:19:45.565

you as an organization,

2824

02:19:45.595 --> 02:19:47.325

Juniper are doing a very important job

2825

02:19:47.325 --> 02:19:48.565

providing power to this country.

2826

02:19:49.745 --> 02:19:51.405

I'm not sure I get a sense of that.

2827

02:19:51.535 --> 02:19:53.005

Maybe you don't want people to know

2828

02:19:53.005 --> 02:19:55.925

that maybe you want your development to be nondescript or,

2829

02:19:56.105 --> 02:19:57.845

or not highlight its importance.

2830

02:19:57.865 --> 02:19:59.845

But I think if I was in your position, I'd be proud of

2831

02:19:59.845 --> 02:20:02.245

what you are doing, um, to be able to,

2832

02:20:02.345 --> 02:20:05.045

and if you are looking to do another development like you're

2833

02:20:05.045 --> 02:20:07.765

proposing here, it's important to showcase that

2834

02:20:07.765 --> 02:20:09.965

and recognize it's important in the national context.

2835

02:20:10.265 --> 02:20:12.485

Uh, but I do appreciate everything you've said

2836

02:20:12.485 --> 02:20:16.565

and how difficult it's to do with, um, the current cost

2837

02:20:16.985 --> 02:20:19.205

and, um, materials that are available to you,

2838

02:20:23.055 --> 02:20:24.055

James. Okay. I'm strong for

2839

02:20:24.055 --> 02:20:24.565

the applicant,

2840

02:20:24.625 --> 02:20:27.685

so I can't just resist just responding to to that.

2841

02:20:27.685 --> 02:20:29.885

If I may, um, ju just two points.

2842

02:20:30.065 --> 02:20:33.845

Um, first of all, in terms of the detailed design

2843

02:20:34.065 --> 02:20:37.325

and the opportunity to be more expressive

2844

02:20:37.325 --> 02:20:39.925

or less expressive, that that is still within the scope

2845

02:20:39.945 --> 02:20:42.685

of the, um, detailed design

2846

02:20:42.905 --> 02:20:46.165

and that process of design champion and consultation.

2847

02:20:46.785 --> 02:20:50.365

So if, if, for example, the move were to be

2848

02:20:51.395 --> 02:20:53.765

more demonstrative in the landscape, um,

2849

02:20:53.865 --> 02:20:55.205
of course that that's possible.

2850

02:20:55.705 --> 02:20:57.445
Uh, and the second point was that

2851

02:20:58.465 --> 02:21:00.645
of course there's always a balance between

2852

02:21:01.385 --> 02:21:03.845
making a statement that one's there

2853

02:21:03.845 --> 02:21:06.765
and representing energy generation

2854

02:21:07.625 --> 02:21:09.125
and of course being recessive

2855

02:21:09.265 --> 02:21:12.885
and seeking to insofar as you can, um,

2856

02:21:13.665 --> 02:21:16.565
be more diminutive in in in the appearance.

2857

02:21:16.665 --> 02:21:18.205
And that's always attention.

2858

02:21:18.825 --> 02:21:20.005
As I say, I think that's covered

2859

02:21:20.025 --> 02:21:23.485
by the detailed design requirement in terms of vernacular

2860

02:21:23.625 --> 02:21:25.165
and masses, that kind or,

2861

02:21:25.225 --> 02:21:27.845
or I was just simply gonna give the example of

2862

02:21:28.675 --> 02:21:29.805

railway var ducts

2863

02:21:29.805 --> 02:21:31.565

and things that have been done in the past.

2864

02:21:31.825 --> 02:21:36.205

And, um, my understanding is

2865

02:21:36.205 --> 02:21:39.685

that some of the most iconic railway bar ducts

2866

02:21:39.685 --> 02:21:43.245

that were constructed in brick in the time they were,

2867

02:21:43.555 --> 02:21:46.485

were subject to very significant objections.

2868

02:21:46.625 --> 02:21:49.165

Yes. And of course, it's the passage of time which then

2869

02:21:50.285 --> 02:21:53.245

demonstrates that actually people then value the vernacular

2870

02:21:53.245 --> 02:21:56.325

of the day and that that was experienced in relation

2871

02:21:56.325 --> 02:22:00.005

to big railway projects like HS two, do you go

2872

02:22:00.005 --> 02:22:03.325

for a new design or do you go for a pasti pastiche?

2873

02:22:03.385 --> 02:22:06.805

So, um, we we're alive to those things.

2874

02:22:07.145 --> 02:22:10.645

Um, uh, but I come back to that first point insofar

2875

02:22:10.645 --> 02:22:13.965

as people want to get involved in that side

2876

02:22:13.965 --> 02:22:15.125
of the detail process.

2877

02:22:15.255 --> 02:22:19.085
There is that system for input from the local authority

2878

02:22:19.145 --> 02:22:20.285
and the design champion

2879

02:22:20.505 --> 02:22:24.365
and, um, design, whale design, sorry,

2880

02:22:25.865 --> 02:22:26.965
design commission for Wales.

2881

02:22:27.145 --> 02:22:31.445
So we, we, we have, we, we are, I can put it,

2882

02:22:31.445 --> 02:22:32.605
we are proud of what we're doing.

2883

02:22:32.705 --> 02:22:35.885
Yes. But we're getting the right, um, balance response is,

2884

02:22:35.885 --> 02:22:38.365
is something we are we we'd like to do through that process.

2885

02:22:38.935 --> 02:22:39.885
Thank you very much and

2886

02:22:39.885 --> 02:22:40.925
thank you and thank you for that response.

2887

02:22:40.925 --> 02:22:43.885
Thank you. Um, I think I'm proposing, I know we're running,

2888

02:22:44.105 --> 02:22:45.845
you know, a little late now, apologies for that,

2889

02:22:45.865 --> 02:22:47.325

but I think if we give everyone a chance

2890

02:22:47.325 --> 02:22:49.125

to have a little comfort break and a cup of tea and,

2891

02:22:49.145 --> 02:22:51.365

and stretch their legs, if we give a quick 10 minute

2892

02:22:51.365 --> 02:22:54.085

adjournment, if that's okay, if we could be back

2893

02:22:54.105 --> 02:22:57.845

for 25 past four, we will, uh, progress through, uh, some

2894

02:22:57.845 --> 02:22:59.685

of the items on the DCO if that's okay.

2895

02:23:00.505 --> 02:23:01.365

So thank you very much.