

## Figure list

### Non-technical summary (NTS)

NTS.1	Site location
NTS.2	Application site boundary
NTS.3	Aerial photograph of the site
NTS.4	Key designations within 2 km of the site
NTS.5	Site layout
NTS.6a-e	Elevations of the ERF and WSTF buildings
NTS.7	Indicative ERF process flow diagram
NTS.8	ERF inputs and outputs flow diagram
NTS.9	Location of projects considered in the assessment of cumulative effects
NTS.10	Designated and non-designated heritage assets in the study area
NTS.11	Zone of Theoretical Visibility
NTS.12	Location of proposed habitat and species-specific enhancement features

### Chapter 1: Introduction

1.1	Site location
1.2	Application site boundary

### Chapter 2: Site description

2.1	Aerial photograph of the site
2.2	Key designations within 2 km of the site

### Chapter 3: Proposed development

3.1	Site layout
3.2 a-d	Proposed elevations – ERF building
3.3	Proposed site sections
3.4	Likely future route of underground CHP pipeline
3.5	Proposed elevations – air cooled condensers
3.6	Proposed elevations – WSTF building
3.7	Strategic highway network and existing site access road
3.8	On-site vehicle circulation
3.9	Site landscape scheme
3.10	ERF inputs and outputs flow diagram
3.11	Indicative ERF process flow diagram
3.12	Estimated construction programme
3.13	Anticipated construction workforce profile
3.14	Construction traffic profile

### Chapter 4: Alternatives

4.1	Initial site layout study – U-shaped arrangement of the ERF
4.2	Initial site layout study – L-shaped arrangement of the ERF

### Chapter 5: Environmental issues and methodology

5.1	Likely connection route to the National Grid
5.2	Location of projects considered in the assessment of cumulative effects

5.3 Degree of effect matrix

### **Chapter 6: Air quality, odour and dust**

- 6.1 Construction dust screening zones
- 6.2 Human sensitive receptor locations
- 6.3 Ecological receptors
- 6.4 Annual mean nitrogen dioxide
- 6.5 Annual mean VOCs as benzene
- 6.6 Annual mean VOCs as 1,3-butadiene
- 6.7 Annual mean cadmium

### **Chapter 7: Climate change**

No figures

### **Chapter 8: Health**

No figures

### **Chapter 9: Community and social effects**

- 9.1 Receptor sensitivity (community and social)
- 9.2 Impact magnitude (community and social)
- 9.3 Degree of effect matrix (community and social)

### **Chapter 10: Cultural heritage**

- 10.1 Designated and non-designated heritage assets in the study area
- 10.2 Historic landscape characterisation
- 10.3a 1876 1st Edition Ordnance Survey
- 10.3b 1980-81 Ordnance Survey
- 10.4 Receptor sensitivity (cultural heritage)
- 10.5 Impact magnitude (cultural heritage)
- 10.6 Degree of effect matrix (cultural heritage)
- 10.7 Geotechnical site information and stratigraphical transects produced by ASE 2020
- 10.8 Zone of Theoretical Visibility of the proposed development within a 5km study area in relation to designated heritage assets
- 10.9a-g Heritage asset photographs

### **Chapter 11: Ground conditions and the water environment**

- 11.1 Ground conditions: classification of consequence
- 11.2 Ground conditions: classification of probability
- 11.3 Ground conditions: classification of risk
- 11.4 Receptor sensitivity (water environment)
- 11.5 Impact magnitude (water environment)
- 11.6 Degree of effect matrix (water environment)
- 11.7 Water features

### **Chapter 12: Landscape and visual effects**

- 12.1 Receptor sensitivity (landscape)

12.2	Impact magnitude (landscape)
12.3	Degree of effect matrix (landscape)
12.4	Receptor sensitivity (visual)
12.5	Impact magnitude (visual)
12.6	Degree of effect matrix (visual)
12.7	Site views 1
12.8	Site views 2
12.9	Landscape context and constraints
12.10	Topography
12.11	Public rights of way
12.12	Arun District Council Character Areas
12.13	West Sussex County Council Character Areas
12.14	South Downs National Park Character Areas and Marine Character Areas
12.15	Zone of Theoretical Visibility
12.16	Representative Viewpoints locations
12.17	Representative Viewpoints, location local area detail
12.18	Representative Viewpoint 1 SDNP South Downs Way
12.19	Representative Viewpoint 2 SDNP South Downs Way
12.20	Representative Viewpoint 3 SDNP PROW near Burpham
12.21	Representative Viewpoint 4 Arundel A259
12.22	Representative Viewpoint 5 Poling
12.23	Representative Viewpoint 6 East of Littlehampton
12.24	Representative Viewpoint 7 Atherington
12.25	Representative Viewpoint 8 A259
12.26	Representative Viewpoint 9 Nore Folly, Slindon
12.27	Representative Viewpoint 10 Warberton
12.28	Representative Viewpoint 11 Ford Lane
12.29	Representative Viewpoint 12 PROW north of Lyminster
12.30	Representative Viewpoint 13 Lyminster village edge
12.31	Representative Viewpoint 14 River Arun
12.32	Representative Viewpoint 15 Ford Airfield
12.33	Representative Viewpoint 16 Ford Airfield PROW
12.34	Representative Viewpoint 17 North edge of Middleton-on-Sea
12.35	Representative Viewpoint 18 SDNP Halnaker Hill
12.36	Representative Viewpoint 19 SDNP PROW north of site
12.37	Representative Viewpoint 20 PROW south of Barnham
12.38	Representative Viewpoint 21 A259 near Bognor Regis
12.39	Representative Viewpoint 22 PROW west of Oving
12.40	Representative Viewpoint 23 St Andrew's Church, Ford
12.41	Representative Viewpoint 24 Yapton PROW
12.42	Representative Viewpoint 25 St Mary Climping
12.43	Representative Viewpoint 26 Ford Lane
12.44	Representative Viewpoint 27 Railway line / PROW north of site
12.45	Representative Viewpoint 28 Tortington PROW
12.46	Representative Viewpoint 29 Arundel, London Road
12.47	Representative Viewpoint 30 SDNP north of Arundel Castle
12.48	Representative Viewpoint 31 Arundel Castle
12.49	Representative Viewpoint 32 West edge Littlehampton
12.50	Representative Viewpoint 33 PROW South of Burndell
12.51	Representative Viewpoint 34 FP 175 near Horsemere Green
12.52	Representative Viewpoint 35 FP near Yapton recreation ground

12.53	Representative Viewpoint 36 West of Rodney Crescent
12.54	Representative Viewpoint 37 From footpath 200-3 north of site
12.55	Representative Viewpoint 38 From footpath 200-2 west of site
12.56	Visualisation View 1 SDNP
12.57	Visualisation View 4 A29, Arundel
12.58	Visualisation View 7 Atherington
12.59	Visualisation View 8 A259
12.60	Visualisation View 10 Walberton
12.61	Visualisation View 12 Lyminster
12.62	Visualisation View 14 River Arun
12.63	Visualisation View 15 Ford Airfield
12.64	Visualisation View 17 Middleton-on-Sea
12.65	Visualisation View 18 Halnaker Hill
12.66	Visualisation View 19 SDNP prow north of site
12.67	Visualisation View 20 PROW south of Barnham
12.68	Visualisation View 21 A259 bridge near Bognor Regis
12.69	Visualisation View 22 PROW near Oving
12.70	Visualisation View 23 St Andrew's Church, Ford
12.71	Visualisation View 24 Yapton PROW
12.72	Visualisation View 26 Ford Lane
12.73	Visualisation View 28 Tortington
12.74	Visualisation View 29 Arundel
12.75	Visualisation View 30 Castle Park in SDNP, Arundel
12.76	Visualisation View 31 Arundel Castle keep
12.77	Visualisation View 32 West edge of Littlehampton
12.78	Visualisation View 34 FP 175 north of Horsemere Green
12.79	Visualisation View 35 FP 363 near Yapton rec
12.80	Visualisation View 37 FP 200-3 north of site
12.81	Visualisation View 38 Old Canal, west of site
12.82	Wireframe for View 25, St Mary Climping

### **Chapter 13: Natural heritage**

13.1	Receptor sensitivity (natural heritage)
13.2	Impact magnitude (natural heritage)
13.3	Degree of effect matrix (natural heritage)
13.4	Designated sites
13.5	Phase 1 survey results
13.6	Location of proposed habitat and species-specific enhancement features

### **Chapter 14: Noise and vibration**

14.1	Noise measurement locations
14.2	Receptor sensitivity (noise and vibration)
14.3	Impact magnitude (noise and vibration)
14.4	Degree of effect matrix ((noise and vibration)
14.5	Noise sensitive receptor locations
14.6	Scenario 1 – Build WSTF
14.7	Scenario 2 – Build WSTF and demolish existing WTS
14.8	Scenario 3 – Demolish existing WTS
14.9	Scenario 4 – Construct ERF and excavate to lower ground level
14.10	Scenario 5 – Construct ERF
14.11	Scenario 6 – Construct ERF and landscaping

- 14.12 Scenario 7 – Landscaping
- 14.13 Daytime noise contours (07:00-23:00) at 1.5m height
- 14.14 Night-time noise contours (23:00-07:00) at 4m height
- 14.15 Night-time noise contours with HGVs (06:00-07:00) at 4m height

#### **Chapter 15: Traffic and transport**

- 15.1 Network links
- 15.2 Public rights of way in the vicinity of the site
- 15.3 Dedicated cycling facilities in the local area
- 15.4 Locations of accidents
- 15.5 Key trip generators / local amenities within the study area

#### **Chapter 16: Summary tables**

No figures

#### **Chapter 17: Glossary**

No figures