

# Riverside Energy Park

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## Consultation Report Appendices

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APPENDIX:

# K

PLANNING INSPECTORATE REFERENCE NUMBER:

**EN010093**

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DOCUMENT REFERENCE:

**MINOR REFINEMENTS CONSULTATION**

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November 2018 | Revision 0 | APFP Regulation 5(2)(g)

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Planning Act 2008 | Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

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- K.3 Minor Refinements Consultation Covering Letter – Section 42(1)(a), (aa), (b), (c) (and non-prescribed) parties
- K.4 Minor Refinements Consultation - Supplementary Information PEIR (SIP) Report
- K.5 Minor Refinements Consultation Covering Letter – Local Community
- K.6 Twitter Post publicising the Minor Refinements Consultation

**Appendix K.1    Minor Refinements Consultation  
Covering Letter - New Land  
Interests**

Our ref: EN010093

Peter Brett Associates LLP  
33 Bowling Green Lane  
London  
EC1R 0BJ

T: 0330 838 4254  
E: info@riversideenergypark.com

[Insert date]

[Insert Address]  
[Insert Address]  
[Insert Address]  
[Insert Address]  
[Insert Address]  
[Insert Address]

Attn: [Insert Name]

Dear Sir/Madam

**Riverside Energy Park, Belvedere, South East London  
Statutory Consultation on a Proposed Application for Development Consent  
Section 42 Planning Act 2008**

We are writing to consult you on a proposed application for development which may affect land in which you have an interest.

Peter Brett Associates ('PBA') acts for Cory Environmental Holdings Limited (trading as Cory Riverside Energy) ('the Applicant') who intend to submit an application under the Planning Act 2008 ('the 2008 Act') for development consent for an integrated energy park, known as Riverside Energy Park, at Norman Road in Belvedere in the London Borough of Bexley and an Electrical Connection to the Littlebrook substation located in the Borough of Dartford ('the Proposed Development'). The Proposed Development would comprise:

- the Riverside Energy Park, located to the north of Belvedere off Norman Road;
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- the Main Temporary Construction Compounds located to the south of the Riverside Energy Park site and west of Norman Road; and
- Other Cable Route Temporary Construction Compounds required to support the construction of the chosen Electrical Connection route.

The primary components of the Riverside Energy Park, with a nominal rated electrical output of up to 96 MWe, comprise:

- an Energy Recovery Facility ('ERF');
- an Anaerobic Digestion facility;

- a Solar Photovoltaic Installation;
- Battery Storage; and
- Enabling infrastructure for Combined Heat and Power to the site boundary to provide for potential future local district heating pipe connection.

The Proposed Application will also seek authorisation for the compulsory acquisition of interest in and rights over land, the temporary use of land and the overriding of easements and other rights.

### **Development Consent Order Application**

Because the generating capacity of the Energy Park will be more than 50 MW it falls within the definition of a nationally significant infrastructure project ('NSIP') in section 15 of the 2008 Act. This means that, to obtain consent for the Proposed Development, the Applicant must make an application to the Secretary of State for a Development Consent Order ('DCO'). If made, the DCO will authorise the construction, operation and maintenance of the Proposed Development and would contain the powers that are necessary for the project, including powers to compulsorily acquire and use land.

The Planning Inspectorate ('PINS') handles the acceptance and examination of DCO applications on behalf of the Secretary of State. If the application is accepted for examination, PINS will appoint an examining authority comprising one or more planning inspectors to carry out an examination, up to six months in length, of the proposals on behalf of the Secretary of State. The examining authority will then make a recommendation to the Secretary of State as to whether or not the application should be granted development consent. The final decision on the application is then made by the Secretary of State.

The Applicant anticipates submitting the DCO application for the Proposed Development in late 2018. The application would then be examined over the course of 2019, with a decision from the Secretary of State likely to be issued in 2020.

Further details about the application and examination process and how to participate are provided on the Planning Inspectorate's National Infrastructure Planning website: <https://infrastructure.planninginspectorate.gov.uk/>

### **Preliminary Environmental Information Report (PEIR)**

Due to the location, scale and nature of the Proposed Development the Energy Park is classified as 'EIA Development' under the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (the EIA Regulations 2017). The Applicant is therefore undertaking an environmental impact assessment (EIA) to identify the likely significant effects of the Proposed Development on the environment.

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residual effects of the Proposed Development once proposed mitigation measures have been taken into account, based on the preliminary information available.

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We look forward to receiving your comments.

Yours faithfully



**Director**

For and on behalf of  
**PETER BRETT ASSOCIATES LLP**

Enclosures:

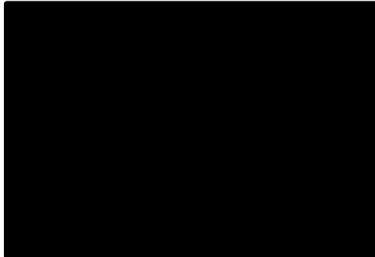
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Peter Brett Associates LLP  
33 Bowling Green Lane  
London  
EC1R 0BJ

30 July 2018

T: 0330 838 4254  
E: info@riversideenergypark.com



**Attn: The Chief Executive**

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For and on behalf of  
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**Peter Brett Associates LLP**  
33 Bowling Green Lane  
London  
EC1R 0BJ

30 July 2018

T: 0330 838 4254  
E: info@riversideenergypark.com

Hanson Quarry Products Europe Limited  
Hanson House  
14 Castle Hill  
Maidenhead  
SL6 4JJ

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**Peter Brett Associates LLP**  
33 Bowling Green Lane  
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03 August 2018

T: 0330 838 4254  
E: info@riversideenergypark.com

Florence French  
Warren Farm  
Birchwood Lane  
Knockholt  
Sevenoaks  
TN14 7LP

**Attn: Ms Florence French**

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The Planning Inspectorate ('PINS') handles the acceptance and examination of DCO applications on behalf of the Secretary of State. If the application is accepted for examination, PINS will appoint an examining authority comprising one or more planning inspectors to carry out an examination, up to six months in length, of the proposals on behalf of the Secretary of State. The examining authority will then make a recommendation to the Secretary of State as to whether or not the application should be granted development consent. The final decision on the application is then made by the Secretary of State.

The Applicant anticipates submitting the DCO application for the Proposed Development in late 2018. The application would then be examined over the course of 2019, with a decision from the Secretary of State likely to be issued in 2020.

Further details about the application and examination process and how to participate are provided on the Planning Inspectorate's National Infrastructure Planning website: <https://infrastructure.planninginspectorate.gov.uk/>

### **Preliminary Environmental Information Report (PEIR)**

Due to the location, scale and nature of the Proposed Development the Energy Park is classified as 'EIA Development' under the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (the EIA Regulations 2017). The Applicant is therefore undertaking an environmental impact assessment (EIA) to identify the likely significant effects of the Proposed Development on the environment.

In June 2018, the Applicant published a Preliminary Environmental Information Report (PEIR) under Regulation 12 of the EIA Regulations 2017 as part of the statutory consultation. The PEIR presents the environmental information gathered to date and provides the results of a preliminary assessment of the likely significant environmental effects of the construction, operation and decommissioning of the Proposed Development. The PEIR also included a preliminary assessment of the

residual effects of the Proposed Development once proposed mitigation measures have been taken into account, based on the preliminary information available.

### **Supplementary Information to the PEIR**

Through ongoing engineering review and development of the project proposals, we have made several minor modifications to the previous Indicative Application Boundary (IAB) which was displayed on the materials made available during our recent statutory consultation. They relate specifically to the Electrical Connection route and comprise additional areas of land (labelled as 'A' areas on the enclosed map).

The Applicant has produced Supplementary Information to the PEIR (SIP) that identifies and provides additional information relating to the minor, non material changes to the IAB for the Proposed Development which have been identified since the publication of the PEIR.

### **Consultation**

Before the Proposed Application can be submitted, the Applicant must consult with a variety of persons in accordance with the requirements of the 2008 Act and related regulations.

The Applicant undertook a statutory consultation from 18<sup>th</sup> June to 30<sup>th</sup> July 2018 (inclusive) on the Proposed Application in accordance with the requirements of the 2008 Act.

As you appear to have an interest in the additional areas of land discussed above, you are a statutory consultee for the purposes of section 42(1)(d) of the 2008 Act.

In accordance with section 42 of the 2008 Act, this letter therefore provides information about the Proposed Development, including the updated IAB, and invites you to provide comments on the Proposed Development. The consultation will run from 31<sup>st</sup> July to 7<sup>th</sup> September 2018 (inclusive), further details about how you can respond are below.

The PEIR, its technical appendices and a non-technical summary (NTS) of its findings can be viewed on the project website [www.riversideenergypark.com](http://www.riversideenergypark.com) during the consultation period. A paper copy of the PEIR NTS is enclosed with this letter along with a USB drive containing an electronic copy of the SIP report, and the PEIR and its technical appendices.

### **How to Respond**

Responses to the consultation on the Proposed Application can be made via:

**Website:** [www.riversideenergypark.com](http://www.riversideenergypark.com)

**Email:** [info@riversideenergypark.com](mailto:info@riversideenergypark.com)

**Freepost:** FREEPOST RIVERSIDE ENERGY PARK

**Phone:** 0330 838 4254

The consultation period on the Proposed Development will run from 31<sup>st</sup> July to 7<sup>th</sup> September 2018 (inclusive). **The deadline for receipt of your views on the Proposed Application is 5.00pm on 7th September 2018.** If you respond to our consultation, please include your name and an address in your response.

We look forward to receiving your comments.

Yours faithfully



**Director**

For and on behalf of  
**PETER BRETT ASSOCIATES LLP**

Enclosures:

- I. A plan showing the additional areas of land ('A' areas)
- II. A paper copy of the PEIR NTS
- III. A USB drive containing an electronic copy of the Supplementary Information to the PEIR, and the PEIR and its technical appendices

**Appendix K.2    Minor Refinements Consultation  
Covering Letter - Existing land  
interests with an interest in the  
supplementary 'A' areas**

Our ref: EN010093

Peter Brett Associates LLP  
33 Bowling Green Lane  
London  
EC1R 0BJ

T: 0330 838 4254  
E: info@riversideenergypark.com

1 August 2018

[Insert Address]  
[Insert Address]  
[Insert Address]  
[Insert Address]  
[Insert Address]  
[Insert Address]

Attn: [Insert Name]

Dear Sir/Madam

**Riverside Energy Park, Belvedere, South East London  
Update on a Proposed Application for Development Consent  
Section 42 Planning Act 2008**

Peter Brett Associates ('PBA') acts for Cory Environmental Holdings Limited (trading as Cory Riverside Energy) ('the Applicant') who intend to submit an application under the Planning Act 2008 ('the 2008 Act') for development consent for an integrated energy park, known as Riverside Energy Park, at Norman Road in Belvedere in the London Borough of Bexley and an Electrical Connection to the Littlebrook substation located in the Borough of Dartford ('the Proposed Development').

The Applicant previously identified you as a statutory consultee for the purposes of section 42(1)(d) of the 2008 Act, and invited you to provide comments on the proposed application as part of the statutory consultation undertaken from 18<sup>th</sup> June to 30<sup>th</sup> July 2018 (inclusive).

We are now writing to inform you of some minor changes which have been made to the proposals, and to provide you with an opportunity to comment on these changes.

**Preliminary Environmental Information Report (PEIR)**

Due to the location, scale and nature of the Proposed Development the Energy Park is classified as 'EIA Development' under the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (the EIA Regulations 2017). The Applicant is therefore undertaking an environmental impact assessment (EIA) to identify the likely significant effects of the Proposed Development on the environment.

In June 2018, the Applicant published a PEIR under Regulation 12 of the EIA Regulations 2017 as part of the statutory consultation. The PEIR presents the environmental information gathered to date and provides the results of a preliminary

assessment of the likely significant environmental effects of the construction, operation and decommissioning of the Proposed Development. The PEIR also included a preliminary assessment of the residual effects of the Proposed Development once proposed mitigation measures have been taken into account, based on the preliminary information available.

### **Supplementary Information to the PEIR**

Through ongoing engineering review and development of the project proposals, we have made several minor modifications to the previous Indicative Application Boundary (IAB) which was displayed on the materials made available during our recent statutory consultation. They relate specifically to the Electrical Connection route and comprise additional areas of land (labelled as 'A' areas on the enclosed map).

Due to your interest in the land affected by the proposals this letter therefore provides information about the additional areas of land and invites you to provide comments on them. The consultation will run from 31<sup>st</sup> July to 7<sup>th</sup> September 2018 (inclusive), further details about how you can respond are below.

To understand whether works in these new areas would be likely to give rise to any new or different environmental effects, we have prepared a Supplementary Information to the PEIR (SIP) report which is intended to be read alongside our existing PEIR.

The SIP, the PEIR, its technical appendices and a non-technical summary (NTS) of its findings can be viewed on the project website [www.riversideenergypark.com](http://www.riversideenergypark.com). A USB drive containing an electronic copy of the SIP is enclosed with this letter.

### **How to Respond**

Responses to the consultation on the Proposed Application can be made via:

**Website:** [www.riversideenergypark.com](http://www.riversideenergypark.com)

**Email:** [info@riversideenergypark.com](mailto:info@riversideenergypark.com)

**Freepost:** FREEPOST RIVERSIDE ENERGY PARK

**Phone:** 0330 838 4254

The consultation period for those with an interest in the land affected by the additional 'A' areas runs from 31<sup>st</sup> July and **the deadline for receipt of your views on the Proposed Application is 5.00pm on 7<sup>th</sup> September 2018**. If you respond to our consultation, please include your name and an address in your response.

We look forward to receiving your comments.

Yours faithfully



**Director**

For and on behalf of  
**PETER BRETT ASSOCIATES LLP**

Enclosures:

- I. A plan showing the additional areas of land ('A' areas)
- II. A USB drive containing Supplementary Information to the PEIR

Our ref: EN010093

Peter Brett Associates LLP  
33 Bowling Green Lane  
London  
EC1R 0BJ

T: 0330 838 4254  
E: info@riversideenergypark.com

2 August 2018



**Attn: The Chief Executive**

Dear Sir/Madam

**Riverside Energy Park, Belvedere, South East London  
Update on a Proposed Application for Development Consent  
Section 42 Planning Act 2008**

Peter Brett Associates ('PBA') acts for Cory Environmental Holdings Limited (trading as Cory Riverside Energy) ('the Applicant') who intend to submit an application under the Planning Act 2008 ('the 2008 Act') for development consent for an integrated energy park, known as Riverside Energy Park, at Norman Road in Belvedere in the London Borough of Bexley and an Electrical Connection to the Littlebrook substation located in the Borough of Dartford ('the Proposed Development').

The Applicant previously identified you as a statutory consultee for the purposes of section 42(1)(d) of the 2008 Act, and invited you to provide comments on the proposed application as part of the statutory consultation undertaken from 18<sup>th</sup> June to 30<sup>th</sup> July 2018 (inclusive).

We are now writing to inform you of some minor changes which have been made to the proposals, and to provide you with an opportunity to comment on these changes.

**Preliminary Environmental Information Report (PEIR)**

Due to the location, scale and nature of the Proposed Development the Energy Park is classified as 'EIA Development' under the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (the EIA Regulations 2017). The Applicant is therefore undertaking an environmental impact assessment (EIA) to identify the likely significant effects of the Proposed Development on the environment.

In June 2018, the Applicant published a PEIR under Regulation 12 of the EIA Regulations 2017 as part of the statutory consultation. The PEIR presents the environmental information gathered to date and provides the results of a preliminary assessment of the likely significant environmental effects of the construction, operation and decommissioning of the Proposed Development. The PEIR also included a

preliminary assessment of the residual effects of the Proposed Development once proposed mitigation measures have been taken into account, based on the preliminary information available.

### **Supplementary Information to the PEIR**

Through ongoing engineering review and development of the project proposals, we have made several minor modifications to the previous Indicative Application Boundary (IAB) which was displayed on the materials made available during our recent statutory consultation. They relate specifically to the Electrical Connection route and comprise additional areas of land (labelled as 'A' areas on the enclosed map).

Due to your interest in the land affected by the proposals this letter therefore provides information about the additional areas of land and invites you to provide comments on them. The consultation will run from 31<sup>st</sup> July to 7<sup>th</sup> September 2018 (inclusive), further details about how you can respond are below.

To understand whether works in these new areas would be likely to give rise to any new or different environmental effects, we have prepared a Supplementary Information to the PEIR (SIP) report which is intended to be read alongside our existing PEIR.

The SIP, the PEIR, its technical appendices and a non-technical summary (NTS) of its findings can be viewed on the project website [www.riversideenergypark.com](http://www.riversideenergypark.com). A USB drive containing an electronic copy of the SIP is enclosed with this letter.

### **How to Respond**

Responses to the consultation on the Proposed Application can be made via:

**Website:** [www.riversideenergypark.com](http://www.riversideenergypark.com)

**Email:** [info@riversideenergypark.com](mailto:info@riversideenergypark.com)

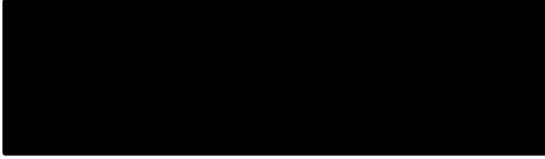
**Freepost:** FREEPOST RIVERSIDE ENERGY PARK

**Phone:** 0330 838 4254

The consultation period for those with an interest in the land affected by the additional 'A' areas runs from 31<sup>st</sup> July and **the deadline for receipt of your views on the Proposed Application is 5.00pm on 7<sup>th</sup> September 2018**. If you respond to our consultation, please include your name and an address in your response.

We look forward to receiving your comments.

Yours faithfully



**Director**

For and on behalf of  
**PETER BRETT ASSOCIATES LLP**

Enclosures:

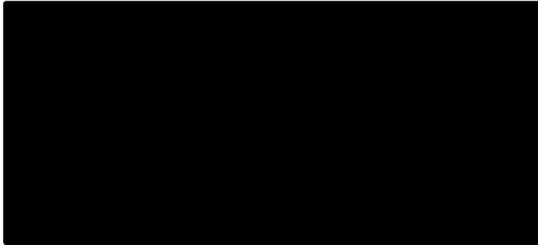
- I. A plan showing the additional areas of land ('A' areas)
- II. A USB drive containing Supplementary Information to the PEIR

Our ref: EN010093

Peter Brett Associates LLP  
33 Bowling Green Lane  
London  
EC1R 0BJ

T: 0330 838 4254  
E: info@riversideenergypark.com

16 August 2018



**Attn: The Chief Executive**

Dear Sir/Madam

**Riverside Energy Park, Belvedere, South East London  
Update on a Proposed Application for Development Consent  
Section 42 Planning Act 2008**

Peter Brett Associates ('PBA') acts for Cory Environmental Holdings Limited (trading as Cory Riverside Energy) ('the Applicant') who intend to submit an application under the Planning Act 2008 ('the 2008 Act') for development consent for an integrated energy park, known as Riverside Energy Park, at Norman Road in Belvedere in the London Borough of Bexley and an Electrical Connection to the Littlebrook substation located in the Borough of Dartford ('the Proposed Development').

The Applicant previously identified you as a statutory consultee for the purposes of section 42(1)(d) of the 2008 Act, and invited you to provide comments on the proposed application as part of the statutory consultation by 7<sup>th</sup> September 2018 (inclusive).

We are now writing to inform you of some minor changes which have been made to the proposals, and to provide you with an opportunity to comment on these changes.

**Preliminary Environmental Information Report (PEIR)**

Due to the location, scale and nature of the Proposed Development the Energy Park is classified as 'EIA Development' under the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (the EIA Regulations 2017). The Applicant is therefore undertaking an environmental impact assessment (EIA) to identify the likely significant effects of the Proposed Development on the environment.

In June 2018, the Applicant published a PEIR under Regulation 12 of the EIA Regulations 2017 as part of the statutory consultation. The PEIR presents the environmental information gathered to date and provides the results of a preliminary assessment of the likely significant environmental effects of the construction, operation

and decommissioning of the Proposed Development. The PEIR also included a preliminary assessment of the residual effects of the Proposed Development once proposed mitigation measures have been taken into account, based on the preliminary information available.

### **Supplementary Information to the PEIR**

Through ongoing engineering review and development of the project proposals, we have made several minor modifications to the previous Indicative Application Boundary (IAB) which was displayed on the materials made available during our recent statutory consultation. They relate specifically to the Electrical Connection route and comprise additional areas of land (labelled as 'A' areas on the enclosed map).

Due to your interest in the land affected by the proposals this letter therefore provides information about the additional areas of land and invites you to provide comments on them. The consultation on the Supplementary Information to the PEIR (SIP) will close on 21<sup>st</sup> September 2018 (inclusive), further details about how you can respond are below.

To understand whether works in these new areas would be likely to give rise to any new or different environmental effects, we have prepared a SIP report which is intended to be read alongside our existing PEIR.

The SIP, the PEIR, its technical appendices and a non-technical summary (NTS) of its findings can be viewed on the project website [www.riversideenergypark.com](http://www.riversideenergypark.com). A USB drive containing an electronic copy of the SIP is enclosed with this letter.

### **How to Respond**

Responses to the consultation on the Proposed Application can be made via:

**Website:** [www.riversideenergypark.com](http://www.riversideenergypark.com)

**Email:** [info@riversideenergypark.com](mailto:info@riversideenergypark.com)

**Freepost:** FREEPOST RIVERSIDE ENERGY PARK

**Phone:** 0330 838 4254

The consultation period for those with an interest in the land affected by the additional 'A' areas runs from 31<sup>st</sup> July and **the deadline for receipt of your views on the Proposed Application is 5.00pm on 21<sup>st</sup> September 2018**. If you respond to our consultation, please include your name and an address in your response.

We look forward to receiving your comments.

Yours faithfully



**Director**

For and on behalf of  
**PETER BRETT ASSOCIATES LLP**

Enclosures:

- I. A plan showing the additional areas of land ('A' areas)
- II. A USB drive containing Supplementary Information to the PEIR

**Appendix K.3    Minor Refinements Consultation  
Covering Letter – Section 42(1)(a),  
(aa), (b), (c) (and non-prescribed)  
parties**

Our ref: EN010093

Peter Brett Associates LLP  
33 Bowling Green Lane  
London  
EC1R 0BJ

1 August 2018

T: 0330 838 4254  
E: info@riversideenergypark.com

[Insert Address]  
[Insert Address]  
[Insert Address]  
[Insert Address]  
[Insert Address]  
[Insert Address]

Attn: [Insert Name]

Dear Sir/Madam

## **Riverside Energy Park, Belvedere, South East London Update on a Proposed Application for Development Consent**

Peter Brett Associates ('PBA') acts for Cory Environmental Holdings Limited (trading as Cory Riverside Energy) ('the Applicant') who intend to submit an application under the Planning Act 2008 ('the 2008 Act') for development consent for an integrated energy park, known as Riverside Energy Park, at Norman Road in Belvedere in the London Borough of Bexley and an Electrical Connection to the Littlebrook substation located in the Borough of Dartford ('the Proposed Development').

The Applicant previously identified your organisation as a statutory consultee for the purposes of section 42 of the 2008 Act, and invited you to provide comments on the proposed application as part of the statutory consultation undertaken from 18<sup>th</sup> June to 30<sup>th</sup> July 2018 (inclusive).

We are now writing to inform you of some minor changes which have been made to the proposals, and to provide you with an opportunity to comment on these changes.

### **Preliminary Environmental Information Report (PEIR)**

Due to the location, scale and nature of the Proposed Development the Energy Park is classified as 'EIA Development' under the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (the EIA Regulations 2017). The Applicant is therefore undertaking an environmental impact assessment (EIA) to identify the likely significant effects of the Proposed Development on the environment.

In June 2018, the Applicant published a PEIR under Regulation 12 of the EIA Regulations 2017 as part of the statutory consultation. The PEIR presents the environmental information gathered to date and provides the results of a preliminary assessment of the likely significant environmental effects of the construction, operation

and decommissioning of the Proposed Development. The PEIR also included a preliminary assessment of the residual effects of the Proposed Development once proposed mitigation measures have been taken into account, based on the preliminary information available.

### **Supplementary Information to the PEIR**

Through ongoing engineering review and development of the project proposals, we have made several minor modifications to the previous Indicative Application Boundary (IAB) which was displayed on the materials made available during our recent statutory consultation. They relate specifically to the Electrical Connection route and comprise additional areas of land (labelled as 'A' areas on the enclosed map).

To understand whether works in these new areas would be likely to give rise to any new or different environmental effects, we have prepared a Supplementary Information to the PEIR (SIP) report which is intended to be read alongside our existing PEIR.

In addition to the above 'A' areas, we have taken the opportunity to make minor refinements to the IAB at a number of locations (labelled as 'B' areas. Additional 'B' areas are shown in Figure 8 to the SIP). These do not give rise to any potential changes in environmental effects and are limited to:

- (1) Removal of some areas of established woodland/planting, which we are now satisfied will not be necessary;
- (2) Inclusion of some additional strips of verge or footway adjacent to highways where they lie within the adopted highway land; and
- (3) Inclusion of some additional bellmouths on roundabout arms to provide an additional alignment through those junctions.

Areas (2) and (3) all lie within the existing adopted highway.

The SIP, the PEIR, its technical appendices and a non-technical summary (NTS) of its findings can be viewed on the project website [www.riversideenergypark.com](http://www.riversideenergypark.com). A USB drive containing an electronic copy of the SIP is enclosed with this letter.

### **How to Respond**

Should you wish to provide further comments on the additional 'A' areas now included as part of the Proposed Development you may do so via the following:

**Website:** [www.riversideenergypark.com](http://www.riversideenergypark.com)

**Email:** [info@riversideenergypark.com](mailto:info@riversideenergypark.com)

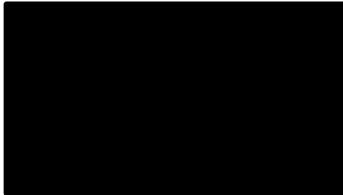
**Freepost:** FREEPOST RIVERSIDE ENERGY PARK

**Phone:** 0330 838 4254

**Should you wish to respond on the supplemental information provided, the deadline for receipt of your views on the Proposed Application is 5.00pm on 7<sup>th</sup> September 2018.** If you do provide a response, please include your name and an address in your response.

We look forward to receiving your comments.

Yours faithfully



**Director**

For and on behalf of  
**PETER BRETT ASSOCIATES LLP**

Enclosures:

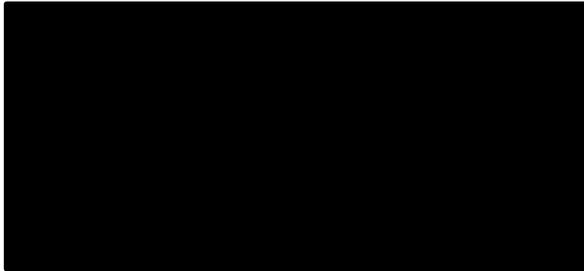
- I. A plan showing the additional areas of land ('A' areas)
- II. A USB drive containing Supplementary Information to the PEIR

Our ref: EN010093

Peter Brett Associates LLP  
33 Bowling Green Lane  
London  
EC1R 0BJ

13 August 2018

T: 0330 838 4254  
E: info@riversideenergypark.com



**Attn: The Chief Executive**

Dear Sir/Madam

**Riverside Energy Park, Belvedere, South East London  
Update on a Proposed Application for Development Consent**

Peter Brett Associates ('PBA') acts for Cory Environmental Holdings Limited (trading as Cory Riverside Energy) ('the Applicant') who intend to submit an application under the Planning Act 2008 ('the 2008 Act') for development consent for an integrated energy park, known as Riverside Energy Park, at Norman Road in Belvedere in the London Borough of Bexley and an Electrical Connection to the Littlebrook substation located in the Borough of Dartford ('the Proposed Development').

The Applicant previously identified your organisation as a statutory consultee for the purposes of section 42 of the 2008 Act, and invited you to provide comments on the proposed application as part of the statutory consultation undertaken from 18<sup>th</sup> June to 30<sup>th</sup> July 2018 (inclusive).

We are now writing to inform you of some minor changes which have been made to the proposals, and to provide you with an opportunity to comment on these changes.

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Due to the location, scale and nature of the Proposed Development the Energy Park is classified as 'EIA Development' under the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (the EIA Regulations 2017). The Applicant is therefore undertaking an environmental impact assessment (EIA) to identify the likely significant effects of the Proposed Development on the environment.

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assessment of the likely significant environmental effects of the construction, operation and decommissioning of the Proposed Development. The PEIR also included a preliminary assessment of the residual effects of the Proposed Development once proposed mitigation measures have been taken into account, based on the preliminary information available.

### **Supplementary Information to the PEIR**

Through ongoing engineering review and development of the project proposals, we have made several minor modifications to the previous Indicative Application Boundary (IAB) which was displayed on the materials made available during our recent statutory consultation. They relate specifically to the Electrical Connection route and comprise additional areas of land (labelled as 'A' areas on the enclosed map).

To understand whether works in these new areas would be likely to give rise to any new or different environmental effects, we have prepared a Supplementary Information to the PEIR (SIP) report which is intended to be read alongside our existing PEIR.

In addition to the above 'A' areas, we have taken the opportunity to make minor refinements to the IAB at a number of locations (labelled as 'B' areas. Additional 'B' areas are shown in Figure 8 to the SIP). These do not give rise to any potential changes in environmental effects and are limited to:

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Areas (2) and (3) all lie within the existing adopted highway.

The SIP, the PEIR, its technical appendices and a non-technical summary (NTS) of its findings can be viewed on the project website [www.riversideenergypark.com](http://www.riversideenergypark.com). A USB drive containing an electronic copy of the SIP is enclosed with this letter.

### **How to Respond**

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**Website:** [www.riversideenergypark.com](http://www.riversideenergypark.com)

**Email:** [info@riversideenergypark.com](mailto:info@riversideenergypark.com)

**Freepost:** FREEPOST RIVERSIDE ENERGY PARK

**Phone:** 0330 838 4254

**Should you wish to respond on the supplemental information provided, the deadline for receipt of your views on the Proposed Application is 5.00pm on 14<sup>th</sup> September 2018.** If you do provide a response, please include your name and an address in your response.

We look forward to receiving your comments.

Yours faithfully



**Director**

For and on behalf of  
**PETER BRETT ASSOCIATES LLP**

Enclosures:

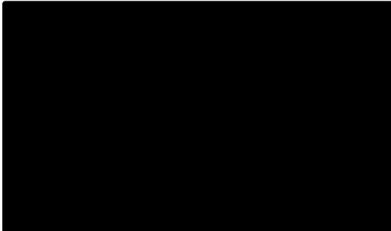
- I. A plan showing the additional areas of land ('A' areas)
- II. A USB drive containing Supplementary Information to the PEIR

Our ref: EN010093

Peter Brett Associates LLP  
33 Bowling Green Lane  
London  
EC1R 0BJ

15 August 2018

T: 0330 838 4254  
E: info@riversideenergypark.com



**Attn: The Company Secretary**

Dear Sir/Madam

**Riverside Energy Park, Belvedere, South East London  
Update on a Proposed Application for Development Consent**

Peter Brett Associates ('PBA') acts for Cory Environmental Holdings Limited (trading as Cory Riverside Energy) ('the Applicant') who intend to submit an application under the Planning Act 2008 ('the 2008 Act') for development consent for an integrated energy park, known as Riverside Energy Park, at Norman Road in Belvedere in the London Borough of Bexley and an Electrical Connection to the Littlebrook substation located in the Borough of Dartford ('the Proposed Development').

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- (3) Inclusion of some additional bellmouths on roundabout arms to provide an additional alignment through those junctions.

Areas (2) and (3) all lie within the existing adopted highway.

The SIP, the PEIR, its technical appendices and a non-technical summary (NTS) of its findings can be viewed on the project website [www.riversideenergypark.com](http://www.riversideenergypark.com). A USB drive containing an electronic copy of the SIP is enclosed with this letter.

### **How to Respond**

Should you wish to provide further comments on the additional 'A' areas now included as part of the Proposed Development you may do so via the following:

**Website:** [www.riversideenergypark.com](http://www.riversideenergypark.com)

**Email:** [info@riversideenergypark.com](mailto:info@riversideenergypark.com)

**Freepost:** FREEPOST RIVERSIDE ENERGY PARK

**Phone:** 0330 838 4254

**Should you wish to respond on the supplemental information provided, the deadline for receipt of your views on the Proposed Application is 5.00pm on 21<sup>st</sup> September 2018.** If you do provide a response, please include your name and an address in your response.

We look forward to receiving your comments.

Yours faithfully



**Director**

For and on behalf of  
**PETER BRETT ASSOCIATES LLP**

Enclosures:

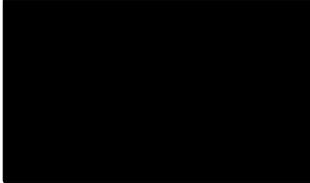
- I. A plan showing the additional areas of land ('A' areas)
- II. A USB drive containing Supplementary Information to the PEIR

Our ref: EN010093

Peter Brett Associates LLP  
33 Bowling Green Lane  
London  
EC1R 0BJ

21 August 2018

T: 0330 838 4254  
E: info@riversideenergypark.com



**Attn: The Company Secretary**

Dear Sir/Madam

**Riverside Energy Park, Belvedere, South East London  
Update on a Proposed Application for Development Consent**

Peter Brett Associates ('PBA') acts for Cory Environmental Holdings Limited (trading as Cory Riverside Energy) ('the Applicant') who intend to submit an application under the Planning Act 2008 ('the 2008 Act') for development consent for an integrated energy park, known as Riverside Energy Park, at Norman Road in Belvedere in the London Borough of Bexley and an Electrical Connection to the Littlebrook substation located in the Borough of Dartford ('the Proposed Development').

The Applicant previously identified your organisation as a statutory consultee for the purposes of section 42 of the 2008 Act, and invited you to provide comments on the proposed application as part of the statutory consultation undertaken from 18<sup>th</sup> June to 30<sup>th</sup> July 2018 (inclusive).

We are now writing to inform you of some minor changes which have been made to the proposals, and to provide you with an opportunity to comment on these changes.

**Preliminary Environmental Information Report (PEIR)**

Due to the location, scale and nature of the Proposed Development the Energy Park is classified as 'EIA Development' under the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (the EIA Regulations 2017). The Applicant is therefore undertaking an environmental impact assessment (EIA) to identify the likely significant effects of the Proposed Development on the environment.

In June 2018, the Applicant published a PEIR under Regulation 12 of the EIA Regulations 2017 as part of the statutory consultation. The PEIR presents the environmental information gathered to date and provides the results of a preliminary assessment of the likely significant environmental effects of the construction, operation

and decommissioning of the Proposed Development. The PEIR also included a preliminary assessment of the residual effects of the Proposed Development once proposed mitigation measures have been taken into account, based on the preliminary information available.

### **Supplementary Information to the PEIR**

Through ongoing engineering review and development of the project proposals, we have made several minor modifications to the previous Indicative Application Boundary (IAB) which was displayed on the materials made available during our recent statutory consultation. They relate specifically to the Electrical Connection route and comprise additional areas of land (labelled as 'A' areas on the enclosed map).

To understand whether works in these new areas would be likely to give rise to any new or different environmental effects, we have prepared a Supplementary Information to the PEIR (SIP) report which is intended to be read alongside our existing PEIR.

In addition to the above 'A' areas, we have taken the opportunity to make minor refinements to the IAB at a number of locations (labelled as 'B' areas. Additional 'B' areas are shown in Figure 8 to the SIP). These do not give rise to any potential changes in environmental effects and are limited to:

- (1) Removal of some areas of established woodland/planting, which we are now satisfied will not be necessary;
- (2) Inclusion of some additional strips of verge or footway adjacent to highways where they lie within the adopted highway land; and
- (3) Inclusion of some additional bellmouths on roundabout arms to provide an additional alignment through those junctions.

Areas (2) and (3) all lie within the existing adopted highway.

The SIP, the PEIR, its technical appendices and a non-technical summary (NTS) of its findings can be viewed on the project website [www.riversideenergypark.com](http://www.riversideenergypark.com). A USB drive containing an electronic copy of the SIP is enclosed with this letter.

### **How to Respond**

Should you wish to provide further comments on the additional 'A' areas now included as part of the Proposed Development you may do so via the following:

**Website:** [www.riversideenergypark.com](http://www.riversideenergypark.com)

**Email:** [info@riversideenergypark.com](mailto:info@riversideenergypark.com)

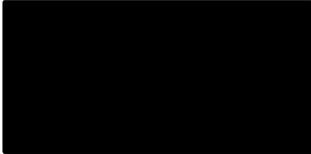
**Freepost:** FREEPOST RIVERSIDE ENERGY PARK

**Phone:** 0330 838 4254

**Should you wish to respond on the supplemental information provided, the deadline for receipt of your views on the Proposed Application is 5.00pm on 21<sup>st</sup> September 2018.** If you do provide a response, please include your name and an address in your response.

We look forward to receiving your comments.

Yours faithfully



**Director**

For and on behalf of  
**PETER BRETT ASSOCIATES LLP**

Enclosures:

- I. A plan showing the additional areas of land ('A' areas)
- II. A USB drive containing Supplementary Information to the PEIR

## **Appendix K.4    Minor Refinements Consultation - Supplementary Information PEIR (SIP) Report**



# Riverside Energy Park Belvedere

Supplementary Information to the PEIR



On behalf of **Cory Environmental Holdings Limited**

Project Ref: 42166 | Rev: A | Date: July 2018

Office Address: 10 Queen Square, Bristol, BS1 4NT  
T: +44 (0)117 332 7840 E: bristol@peterbrett.com



## Document Control Sheet

**Project Name:** Riverside Energy Park

**Project Ref:** 42166

**Report Title:** Supplementary Information to the Preliminary Environmental Information Report (PEIR)

**Date:** July 2018

	Name	Position	Signature	Date
<b>Prepared by:</b>	J Murphy	Environmental Planner	JM	23.07.2018
<b>Reviewed by:</b>	C Leach	Senior Associate	CL	23.07.2018
<b>Approved by:</b>	D Scanlon	Equity Director	DS	23.07.2018
<b>For and on behalf of Peter Brett Associates LLP</b>				

Revision	Date	Description	Prepared	Reviewed	Approved

This report has been prepared by Peter Brett Associates LLP ('PBA') on behalf of its client to whom this report is addressed ('Client') in connection with the project described in this report and takes into account the Client's particular instructions and requirements. This report was prepared in accordance with the professional services appointment under which PBA was appointed by its Client. This report is not intended for and should not be relied on by any third party (i.e. parties other than the Client). PBA accepts no duty or responsibility (including in negligence) to any party other than the Client and disclaims all liability of any nature whatsoever to any such party in respect of this report.

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# 1 Introduction

## 1.1 Introduction

- 1.1.1 Cory Environmental Holdings Limited (trading as Cory Riverside Energy ('the Applicant')) is applying to the Secretary of State under the Planning Act 2008 (PA 2008) for powers to construct and operate an integrated Energy Park, to be known as Riverside Energy Park (REP). The principal elements of REP comprise complementary energy generating development, with an electrical output of up to 96 megawatts (MWe), and an associated Electrical Connection (together referred to as the 'Proposed Development'). As the generating capacity of REP will be in excess of 50 MWe it is classified as a Nationally Significant Infrastructure Project (NSIP) under Sections 14 and 15 of the PA 2008 and therefore requires a Development Consent Order (DCO) to authorise its construction and operation.
- 1.1.2 REP would be located adjacent to an existing Energy Recovery Facility (ERF) operated by the Applicant (referred to as Riverside Resource Recovery Facility (RRRF)) situated at Norman Road in Belvedere within the London Borough of Bexley (LBB). The underground Electrical Connection would run from the REP site and terminate at the Littlebrook substation in Dartford. Plans showing the location, Indicative Application Boundary (IAB) and indicative location of project elements are provided in **Figures 1.1-1.3, Appendix A.1** of the Preliminary Environmental Information Report (PEIR), published in June 2018.
- 1.1.3 This Supplementary Information to the PEIR (SIP) report identifies and provides additional information relating to minor, non-material changes to the IAB for REP which have been identified since the publication of the PEIR. This report complements, and should be read in conjunction with, the PEIR. It does not replace, supersede or act as an addendum to the PEIR.

## 1.2 Preliminary Environmental Information Report and subsequent design changes

- 1.2.1 In June 2018, the Applicant published the PEIR under Regulation 12 of the Infrastructure EIA Regulations 2017, which contained information reasonably required for the local community and the consultation bodies to develop an informed view of the Proposed Development and its likely significant environmental effects. The PEIR sets out preliminary environmental information and the preliminary findings of the Environmental Impact Assessment (EIA) based on available information at that time.
- 1.2.2 Since the PEIR was published, changes have been identified to the REP IAB which require further consideration to supplement the preliminary findings of the assessments reported within the PEIR.
- 1.2.3 In June 2018, through ongoing engineering investigation and information received from local highway authorities relating to the Electrical Connection, specific locations were identified where the IAB may require extending to facilitate the installation of the Electrical Connection. These areas are highlighted on **Figures 1-7, Appendix A** of this report. This has resulted in additional areas of land potentially being affected beyond those considered within the PEIR.

1.2.4 The location and details of these changes are listed in **Table 1.1** below.

Table 1.1: Changes to the IAB

Change reference (refer to Appendix A)	Description of works	Area of change (m <sup>2</sup> )
A1	An area of verge extending towards the natural fenced boundary adjacent to Norman Road (north) to allow an option for trenched cable installation, whilst avoiding the surfaced highway.	1,102
A2	Areas either side of the existing Norman Road bridge to facilitate either the installation of a cable bridge/trough spanning the existing watercourse between banks, or to allow an alternative trenchless civil engineering technique/solution (for example localised Horizontal Directional Drilling (HDD)) which could commence either within the additional areas, or within the existing boundary.	455
A3	Area included to the front of Erith Railway Station and along an existing pedestrian route to allow an option to install cables avoiding a potential engineering constraint in the adjacent dual carriageway.	868
A4	Existing footway and bridge crossing included to allow alternative means of crossing the existing railway, should this be preferable to using one of the existing road bridges. Cables would be trenched either side of the bridge and attached to the existing footbridge structure for support.	1,057
A5	Area included to the south of the existing highway to allow for an alternative trenchless civil engineering technique/solution (for example localised HDD under the River Cray, other watercourses and the existing railway line. The area also provides for trenched installation in those areas outside the current metalled highway.	2,676
A6	The areas north and south of the existing bridge crossing of the River Darent allow optional implementation of alternative trenchless civil engineering techniques/solutions (for example localised HDD) under the river in the event that a highway based crossing is not practicable. The area also allows for access and installation in the event that cables are attached to the existing bridge. Further east the additional areas allow for trenching outside the highway, crossing of other watercourses and the exploration of using the existing opening that protects	41,437

Change reference (refer to <b>Appendix A</b> )	Description of works	Area of change (m <sup>2</sup> )
	<p>the existing strategic sewer under the A206 as a crossing point.</p> <p>Note that the area included to the southwest of the existing highway crossing of the River Darent would <u>not</u> be used as a location for trenchless installation techniques due to the presence of an existing inert landfill. This area would be used for access/laydown only if required to facilitate the installation of cables being installed across the existing highway structure.</p>	

1.2.5 In addition to the above areas, we have taken the opportunity to make minor refinements to the IAB at a number of locations (labelled as ‘B’ areas), see **Figure 8, Appendix A**. These do not give rise to any potential changes in environmental effects and are limited to:

- Removal of some areas of established woodland/planting, which we are now satisfied will not be required;
- Inclusion of some additional strips of verge or footway adjacent to highways where they lie within the adopted highway land; and
- Inclusion of some additional bellmouths on roundabout arms to provide an additional alignment through those junctions.

The areas identified in bullets 2 and 3 all lie within the existing adopted highway.

### 1.3 Approach to consultation

1.3.1 The changes set out in **Table 1.1** are subject to a consultation exercise which is separate from the statutory consultation already undertaken on the PEIR and which closed on 30<sup>th</sup> July 2018. The consultation on the changes to the IAB will run from 31<sup>st</sup> July to 7<sup>th</sup> September 2018. Given the scale and nature of the changes, the Applicant is carrying out a limited statutory consultation on these changes with those persons with an interest in the land in which the changes are located and is inviting views from certain prescribed bodies and addresses within a 200 m radius of each change. The consultation documents are also published at the following website: <https://riversideenergypark.com/>.

### 1.4 Methodology

1.4.1 A desk-based review of the changes to the IAB was undertaken for all EIA topics, alongside a review of publicly available information, mapping and documents (e.g. local authority records). In addition, a site walkover was undertaken on the 11<sup>th</sup> July 2018 in relation to Terrestrial Biodiversity. The aim of the further assessment is to determine whether the changes give rise to new or different likely significant effects when compared to the assessments undertaken and presented in the PEIR.

## 1.5 Format of this report

- 1.5.1 For simplicity, this report is structured to reflect the PEIR. PEIR **Chapters 1-5** are considered together in **Section 2** of this report, with environmental considerations on a topic by topic basis in **Sections 3.1 – 3.11** as follows:
- **Section 3.1** – Transport
  - **Section 3.2** – Air Quality
  - **Section 3.3** – Noise and Vibration
  - **Section 3.4** – Townscape and Visual
  - **Section 3.5** – Historic Environment
  - **Section 3.6** – Terrestrial Biodiversity
  - **Section 3.7** – Hydrology, Flood Risk and Water Resources
  - **Section 3.8** – Ground Conditions
  - **Section 3.9** – Socio-economics
  - **Section 3.10** – Other considerations
  - **Section 3.11** – Glossary
- 1.5.2 Each topic specific section provides a commentary as to whether or not the changes to the IAB require a change or addition to existing information contained in the PEIR, followed by a conclusion on the overall significance of the changes in relation to that specific topic.
- 1.5.3 It is acknowledged that all PEIR figures containing the IAB would require updating to show the revised IAB, which is identified in **Appendix A**. For clarity, this report only identifies figures within the PEIR that contain environmental information which has been superseded or supplemented by the changes and will be updated for the Environmental Statement (ES).
- 1.5.4 **Section 4** provides an overall conclusion as to the likely significant environmental effects arising from the changes to the IAB.

## 2 PEIR Chapters 1 - 5

### 2.1 Updates required to PEIR Chapters 1 - 5

- 2.1.1 **Chapters 1, 2 and 4** do not require supplementary information as a result of the changes to the IAB and therefore remain valid.

#### Chapter 3

- 2.1.2 **Chapter 3** (paragraph 3.2.11) is superseded by the following text:

“The Electrical Connection route would cross the River Darent, a tributary which feeds into the River Thames. The Dartford Marshes Local Wildlife Site (LWS) is a large area of marshland and wetland habitat along the River Darent and on the Darent floodplain. The Electrical Connection route would cross the River Darent in the existing highway (either in the highway surface or attached to the structure) or in land to the immediate north or south of the highway verge using a trenchless installation technique such as Horizontal Directional Drilling.”

- 2.1.3 Note that as per **Table 1.1**, a trenchless installation technique would not be used where it might affect the integrity of the existing inert landfill to the southwest of the existing highway crossing of the river.

- 2.1.4 **Chapter 3** (paragraph 3.3.11) is superseded by the following text:

“REP would be connected to the existing electricity distribution network via a new 132 kilovolt (kV) distribution connection (‘the Electrical Connection’) by UK Power Networks (UKPN). It is proposed that the Electrical Connection would be routed predominantly via the existing road network and would be predominantly underground. The exceptions would be at the connection point with REP itself, at the connection point to the distribution network operator (DNO) and at discreet locations along the Electrical Connection route where it might be attached to existing bridges or supported in new cable troughs over smaller watercourses. This connection would necessarily require a new substation within the REP site. However, the connection to the distribution system would be installed in an existing substation building with no external alteration required. Littlebrook is the most suitable connection point for REP, as outlined in **Chapter 5 Alternatives Considered**. The Electrical Connection would comprise a new part of that network, to be owned and operated by UKPN.”

- 2.1.5 Other than the above, **Chapter 3** does not require supplementary information as a result of the changes to the IAB.

#### Chapter 5

- 2.1.6 **Chapter 5, Section 5.5** is supplemented by the text in **Table 1.1** of this document, which identifies the progression of the IAB since the publication of the PEIR.

## 3 Environmental Considerations

### 3.1 Transport

- 3.1.1 This section provides a tabulated overview of how the changes to the IAB interact with the information provided within **Chapter 6** (Transport) of the PEIR, specifically highlighting any areas where the information needs to be updated in light of the changes. Subsequent sections (3.2 – 3.9) continue this format.

Table 3.1: Implications for PEIR text

PEIR text reference	Comment on changes
6.1, 6.2, 6.3, 6.4, 6.5	<b>Section 6.1</b> (Introduction), <b>Section 6.2</b> (Policy Context, Legislation, Guidance and Standards), <b>Section 6.3</b> (Consultation), <b>Section 6.4</b> (Parameters Used for Assessment) and <b>Section 6.5</b> (Assessment Methodology and Significance Criteria) do not require to be supplemented as a result of the changes to the IAB and therefore remain valid.
6.6	<b>Section 6.6</b> (Baseline Conditions and Receptors). Whilst paragraph 6.2.2 described the electrical connection as being underground, following the changes, the position is that it will be predominantly underground (and over ground in change locations A2, A4, A5 and A6). However, it remains the case that potential impacts on PRow would only be associated with the temporary construction phase.
6.7, 6.8, 6.9, 6.10, 6.11, 6.12, 6.13	<b>Section 6.7</b> (Embedded Mitigation), <b>Section 6.8</b> (Assessment of Likely Effects), <b>Section 6.9</b> (Cumulative Assessment), <b>Section 6.10</b> (Further Mitigation and Enhancement), <b>Section 6.11</b> (Residual Effects and Monitoring), <b>Section 6.12</b> (Summary of Residual Effects) and <b>Section 6.13</b> (Preliminary Conclusion and Further Assessment) do not require supplementary information as a result of the changes to the IAB and therefore remain valid.
Figures	No figures were provided as part of <b>Chapter 6</b> , and no supplemental figures are required.
Appendices	No Appendices were provided as part of <b>Chapter 6</b> , and no supplemental figures are required.

### Conclusion relating to Transport

- 3.1.2 It is considered that Change Item A5 would be beneficial in that it would potentially reduce impacts on the single lane section of the A206. However, given that the benefitting section of the A206 is relatively short (approximately 500 m), that an adjoining section of the A206 would still be impacted upon, and as the PEIR did not specify or assess individual links of the A206, the overall conclusions of temporary moderate adverse effects to driver delay during the construction phase remain valid on a precautionary assessment until more engineering detail for potential works is available.
- 3.1.3 The conclusions of **Chapter 6** of the PEIR are considered to remain valid when considered against the changes.

## 3.2 Air Quality

- 3.2.1 Whilst the changes would introduce the potential for temporary construction dust impacts in areas not previously identified within the PEIR, the mitigation measures already identified would be sufficient to prevent the likelihood for significant effects to occur.
- 3.2.2 The conclusions of **Chapter 7** are therefore considered to remain valid when considered against the changes, and there is no requirement to supplement the PEIR text.

## 3.3 Noise and Vibration

Table 3.3: Implications for PEIR text

PEIR text reference	Comment on changes
8.1, 8.2, 8.3, 8.4, 8.5	<b>Section 8.1</b> (Introduction), <b>Section 8.2</b> (Policy Context, Legislation, Guidance and Standards), <b>Section 8.3</b> (Consultation), <b>Section 8.4</b> (Parameters Used for Assessment) and <b>Section 8.5</b> (Assessment Methodology and Significance Criteria) do not require supplementary information as a result of the changes to the IAB and therefore remain valid.
8.6	<b>Section 8.6</b> (Baseline Conditions and Receptors) does not require supplementary information as a result of the changes to the IAB. The PEIR provided an assessed construction noise levels at different distances from construction activities, specific receptors will be identified within the ES. The PEIR assessment therefore remains valid.
8.7	<b>Section 8.7</b> (Embedded Mitigation) does not require supplementary information as a result of the changes to the IAB and therefore remains valid.
8.8	<b>Section 8.8</b> (Assessment of Likely Effects) does not require supplementary information as a result of the changes to the IAB. The PEIR assessment provided for the construction activities associated with the changes and therefore remains valid.
8.9	<b>Section 8.9</b> (Cumulative Assessment) does not require supplementary information as a result of the changes to the IAB and therefore remains valid.
8.10	<b>Section 8.10</b> (Further Mitigation and Enhancement) does not require supplementary information as a result of the changes to the IAB. Best practice measures outlined within the PEIR remain the same, the PEIR therefore remains valid.
8.11, 8.12, 8.13	<b>Section 8.11</b> (Residual Effects and Monitoring), <b>Section 8.12</b> (Summary of Residual Effects) and <b>Section 8.13</b> (Preliminary Conclusion and Further Assessment) do not require supplementary information as a result of the changes to the IAB and therefore remain valid.
Figures	The changes do not require that the PEIR figures are supplemented.

PEIR text reference	Comment on changes
Appendices	The changes do not require that the PEIR appendices are supplemented.

### Conclusion relating to Noise and Vibration

- 3.3.1 Whilst the changes would introduce the potential for temporary construction noise impacts in areas not identified within the PEIR, the predicted construction noise levels would remain as presented within the PEIR. Therefore, the mitigation measures already identified are likely to be sufficient to reduce the likelihood of significant effects occurring.
- 3.3.1 The conclusions of **Chapter 8** are therefore considered to remain valid when considered against the changes.

### 3.4 Townscape and Visual

Table 3.4: Implications for PEIR text

PEIR text reference	Comment on changes
9.1, 9.2, 9.3, 9.4	<b>Section 9.1</b> (Introduction), <b>Section 9.2</b> (Policy Context, Legislation, Guidance and Standards), <b>Section 9.3</b> (Consultation) and <b>Section 9.4</b> (Parameters Used for Assessment) do not require supplementary information as a result of the changes to the IAB and therefore remain valid.
9.5	<b>Section 9.5</b> (Assessment Methodology and Significance Criteria). Whilst paragraph 9.5.7 described the electrical connection as being underground, following the changes, the position is that it will be 'predominantly' underground. In the specific locations where the Electrical Connection would be located above ground, it would be attached under or alongside existing infrastructure (bridges) or in an adjacent cable trough (A2, A4, A5 and A6). It is not anticipated that these changes would introduce the potential for significant operational effects to either townscape or visual receptors. For this reason, it is considered that the approach agreed through the Scoping Opinion - to assess only the construction of the Electrical Connection - remains valid.  Other than the above, <b>Section 9.5</b> does not require supplementary information as a result of the changes to the IAB.
9.6	<b>Section 9.6</b> (Baseline Conditions and Receptors). Whilst paragraph 6.9.2 described the electrical connection as being underground, following the changes, the position is that it will be predominantly underground, and that it leaves the public highway at locations A1 - A6.  Paragraph 9.6.23 is supplemented as per paragraph 9.6.2, to reflect the revised Electrical Connection.
9.7	<b>Section 9.7</b> (Embedded Mitigation). In addition to those areas already referred to in the PEIR, there may be a requirement for replacement tree planting in the locations impacted by the changes. The details of proximity of replacement

PEIR text reference	Comment on changes
	planting in relation to the finalised cable ducting would be considered as part of the ES.
9.8, 9.9, 9.10, 9.11, 9.12, 9.13	<b>Section 9.8</b> (Assessment of Likely Effects), <b>Section 9.9</b> (Cumulative Assessment), <b>Section 9.10</b> (Further Mitigation and Enhancement), <b>Section 9.11</b> (Residual Effects and Monitoring), <b>Section 9.12</b> (Summary of Residual Effects) and <b>Section 9.13</b> (Preliminary Conclusion and Further Assessment) do not require supplementary information as a result of the changes to the IAB and therefore remain valid.
Figures	The changes do not require that the PEIR figures are supplemented.
Appendices	PEIR Appendix E.3 is superseded to account for the additional mitigation item identified in <b>Section 9.7</b> . Revised Appendix E.3 is located in <b>Appendix B</b> to this SIP report.

### Conclusion relating to Townscape and Visual Impact Assessment

- 3.4.1 Whilst the changes would introduce the potential for temporary construction impacts in areas not identified within the PEIR, subject to the mitigation identified it is anticipated that impacts to Townscape receptors would remain as presented within the PEIR.
- 3.4.2 The conclusions of **Chapter 9** are therefore considered to remain valid when considered against the changes.

### 3.5 Historic Environment

Table 3.5: Implications for PEIR text

PEIR text reference	Comment on changes
10.1, 10.2, 10.3, 10.4, 10.5	<b>Section 10.1</b> (Introduction), <b>Section 10.2</b> (Policy Context, Legislation, Guidance and Standards), <b>Section 10.3</b> (Consultation), <b>Section 10.4</b> (Parameters Used for Assessment) and <b>Section 10.5</b> (Assessment Methodology and Significance Criteria) do not require supplementary information as a result of the changes to the IAB and therefore remain valid.
10.6	<b>Section 10.6</b> (Baseline Conditions and Receptors) is supplemented by the following text:  A1: This area contains no known designated / non-designated assets. It is located within an Area of High Archaeological Potential (AHAP) with high potential for underlying geoarchaeological deposits of interest and prehistoric occupation evidence. The deposit model indicates that the geoarchaeological deposits and prehistoric occupation evidence lies at depth (1m +) and are unlikely to be impacted by the development works (excavation of a cable trench). The ES Chapter will detail the physical impact of the works in this area

PEIR text reference	Comment on changes
	<p>once further assessment has been undertaken. There are no new or different likely significant effects relating to built heritage.</p> <p>A2: This area contains no known designated / non-designated assets. It is located within an Archaeological Priority Area and there is generalised potential for underlying geoarchaeological deposits and prehistoric occupation evidence. The deposit model indicates that the geoarchaeological deposits and prehistoric occupation evidence lies at depth (1m +). Horizontal Directional Drilling (HDD) in this area has the potential to impact buried geoarchaeological deposits, the physical impact of which will be assessed within the ES Chapter once further assessment has been undertaken. The alterations to the IAB may, subject to the final design, result in visible ducting and cable at this location. No designated or non-designated built heritage assets are identified at or near this location.</p> <p>A3: This area contains no known designated / non-designated assets. A review of historic OS mapping indicates the area lies in an area landscaped as part of the railway construction and early 20<sup>th</sup> century tramway depot. Low potential for earlier archaeological remains to survive in this area.</p> <p>A4: This area contains no known designated / non-designated assets. It lies within an Area of High Archaeological Priority (AHAP 7), Crayford Brickearths. The High Archaeological Potential is focussed around the concentrations of highly significant Palaeolithic material recovered from brickearth and clay pits in the Crayford area, roughly between Barneshurst and Slade Green, in the 19<sup>th</sup> century. A review of historic OS mapping indicates the area lies in an area landscaped as part of the railway construction. There is low potential for earlier archaeological remains to survive in this area.</p> <p>A5: This area contains no known designated / non-designated heritage assets, nor does it lie within an AHAP. A review of historic OS mapping indicates that a 19<sup>th</sup> century flour mill lay to the north of the A206 and the water power was harnessed in this area with a series of leats and dams. There is no evidence on later maps or readily available satellite imagery that such features survive within the areas of works. The heritage or archaeological constraints identified in the eastern part of A5: prehistoric and Roman finds or features, cannot be entirely discounted but the potential for nationally significant remains in this area is low. The ES Chapter will detail the physical impact of the works in this area once further assessment has been undertaken.</p> <p>A6: No known designated assets. A number of non-designated assets are recorded along the edge of the river, relating to wharfs / revetments etc. A walkover survey of the area as part of the ES will be undertaken to ensure there are no post-medieval river management structures impacted by the works. The KHER records a possible prehistoric enclosure in the grasslands further east of the Darent and a number of WWII structures. The ES Chapter will detail the physical impact of the works in this area once detailed drawings are available.</p>
10.7	<b>Section 10.7</b> (Embedded Mitigation) is supplemented by the following:

PEIR text reference	Comment on changes
	A walkover survey of the area as part of the ES will be undertaken to ensure there are no extant remains of interest in relation to the industrial history of the Cray, or post-medieval river management structures impacted by the works.
10.8	<p><b>Section 10.8</b> (Assessment of Likely Effects) is supplemented by the following text:</p> <p>Subject to the results of the site walkover survey, potential residual effects are restricted to the construction phase at A2, A5 and A6. These comprise direct physical impacts on potential non-designated heritage assets of local significance. The effect of the changes to the IAB are considered low adverse and not significant. The ES Chapter will detail the physical impact of the works in this area once further assessment has been undertaken.</p>
10.9	<p><b>Section 10.9</b> (Cumulative Assessment) does not require supplementary information as a result of the changes to the IAB and therefore remains valid.</p>
10.10	<p><b>Section 10.10</b> (Further Mitigation and Enhancement) is supplemented by the following text:</p> <p>Subject to the results of the site walkover (River Darent and River Cray), and following consultation with Historic England, the following indicates reasonable worst case mitigation should it be required: archaeological monitoring of intrusive groundworks, secured through the production of a written scheme of investigation (WSI) once the DCO has been made.</p>
10.11	<p><b>Section 10.11</b> (Residual Effects and Monitoring) is supplemented by the following text:</p> <p>Subject to the results of the site walkover survey, residual effects are restricted to the construction phase at A2, A5 and A6. The implementation of a mitigation strategy in the form of archaeological monitoring during groundworks would result in the residual effect of the changes to the IAB being <b>Negligible</b> and <b>Not Significant</b>.</p>
10.12, 10.13	<p><b>Section 10.12</b> (Summary of Residual Effects) and <b>Section 10.13</b> (Preliminary Conclusion and Further Assessment) does not require supplementary information as a result of the changes to the IAB and therefore remains valid.</p>
Figures	The changes do not require that the PEIR figures are supplemented.
Appendices	The changes do not require that the PEIR appendices are supplemented.

### Conclusion relating to Historic Environment

- 3.5.1 The construction of the Electrical Connection has, subject to the final design, and following a site walkover of the River Cray and River Darent, the likelihood of impacting potential non-designated heritage assets of local significance in areas A2, A5 and A6. The removal of potential non-designated archaeological remains of local significance in these areas has the potential to

result in a Low (rather than Negligible) Adverse Magnitude of Impact based on the criteria set out in **Table 10.3** of the PEIR. The significance of this effect is considered permanent negligible in line with the criteria set out in **Table 10.4** of the PEIR and not significant in EIA terms.

### 3.6 Terrestrial Biodiversity

Table 3.6: Implications for PEIR text

PEIR text reference	Comment on changes
11.1, 11.2	<b>Section 11.1</b> (Introduction) and <b>Section 11.2</b> (Policy Context, Legislation, Guidance and Standards) do not require supplementary information as a result of the changes to the IAB and therefore remain valid.
11.3	<b>Section 11.3</b> (Consultation) does not require supplementary information as a result of the changes to the IAB and therefore remains valid. Further consultation will be required to agree the baseline survey and assessment approach for the changes to the IAB; outcomes from this consultation will be presented in the ES Terrestrial Biodiversity Chapter.
11.4, 11.5	<b>Section 11.4</b> (Parameters Used for Assessment) and <b>Section 11.5</b> (Assessment Methodology and Significance Criteria) do not require supplementary information as a result of the changes to the IAB and therefore remain valid.
11.6	<p><b>Section 11.6</b> (Baseline Conditions and Receptors) is supplemented by the following text:</p> <p>As stated in the PEIR, the presentation of baseline conditions and receptors was limited by virtue of the fact that the ecological baseline data collection for the Application Site had not yet been completed. Whilst the survey work is almost now complete for the IAB considered in the PEIR, the approach to baseline data collection for the changes to the IAB have not yet been agreed with consultees.</p> <p>The agreed baseline data will be presented in the ES Terrestrial Biodiversity Chapter and used as the basis for assessment.</p> <p>The most likely changes to Baseline Conditions and Receptors due to changes to the IAB are due to extension of the IAB into small parts of locally designated areas, and potentially sensitive habitats and species associated with them. The designated areas affected by the changes to the IAB include:</p> <ul style="list-style-type: none"> <li>• Crossness Local Nature Reserve (LNR) and Erith Marshes Site of Importance for Nature Conservation (SINC) (A1 and western section of A2);</li> <li>• River Cray SINC (A5); and</li> <li>• Dartford Marshes Local Wildlife Site (LWS) (A6).</li> </ul> <p>These areas are designated for the habitats they support including, but not limited to: rivers, wetlands, coastal grazing marsh and meadows. The habitats in turn support protected and notable species including, but not limited to: breeding and</p>

PEIR text reference	Comment on changes
	<p>wintering birds, water voles, and herpetofauna, as well as botanical species with limited distribution.</p> <p>In addition, whilst not affecting designated areas, the extension of the IAB elsewhere also has the potential to affect sections of wet ditch, scrub or trees associated with the verges beyond the amenity grassland that is dominant immediately next to the kerb. This increases the potential for non-native invasive species to be encompassed by the IAB: cotoneaster and Japanese knotweed have been noted. It also increases the potential for the need to consider possible impacts on protected species (e.g. water vole in ditches).</p>
11.7	<p><b>Section 11.7</b> (Embedded Mitigation) is supplemented by the following text:</p> <p>Protective measures will be required to protect designated areas from indirect effects of the changes to the IAB, especially where associated with trenchless installation techniques such as HDD. Protection and appropriate working measures will be required during construction to protect the habitats and species within these designated areas from significant adverse effects. This includes consideration of noise, lighting and pollutant impacts as a result of spillages or leaks from equipment during construction; all such issues are anticipated to be addressed within the outline Code of Construction Practice (CoCP).</p>
11.8	<p><b>Section 11.8</b> (Assessment of Likely Effects) is supplemented by the following text:</p> <p>Designated Areas</p> <p>As described above, additional areas of locally designated sites are affected by the changes. The effects will arise from short-term temporary impacts affecting small areas of the designated areas adjacent to the highway corridor only. However, this will affect the value of the designated areas on a temporary basis; habitats affected by the connection route will be reinstated afterwards. The Applicant is working with UKPN to determine ways of minimising the working corridor and associated impacts of the Electrical Connection works (e.g. through considering the use of trenchless installation techniques from preferable launch and reception locations near sensitive riverine habitats). Impacts are unlikely to be residually significant in the Local context that the LNR, LWS and SINCS are valued, after consideration of mitigation items and once habitat reinstatement has established.</p> <p>Habitats</p> <p>Impacts on habitats described in the PEIR as a result of the connection route do not require any updates as a result of the changes to the IAB and therefore remain valid.</p> <p>Protected or Notable Species</p> <p>An assessment of the effects of the proposed Electrical Connection route on protected or notable species will be reported within the ES chapter once baseline work to inform the assessment has been completed.</p>

PEIR text reference	Comment on changes
	<p>However, impacts on protected or notable species are considered unlikely to be significant in the long-term, providing appropriate mitigation and compensation measures can be identified. Such measures may include appropriate timing or precautionary methods of work, measures to limit lighting and noise inputs, are anticipated to be provided within the outline CoCP, as well as the provision of replacement or compensatory habitats, where required.</p> <p>At the end of the Electrical Connection’s operational life, it is currently anticipated that the ducting will be left in situ, such that there will be no decommissioning works and therefore no effect.</p> <p>Operational effects of the cable remain the same as described in the PEIR.</p>
11.9, 11.10, 11.11, 11.12, 11.13	<p><b>Section 11.9</b> (Cumulative Assessment), <b>Section 11.10</b> (Further Mitigation and Enhancement), <b>Section 11.11</b> (Preliminary Residual Effects and Monitoring), <b>Section 11.12</b> (Summary of Residual Effects) and <b>Section 11.13</b> (Preliminary Conclusion and Further Assessment) do not require supplementary information as a result of the changes to the IAB and therefore remain valid.</p>
Figures	<p>The changes result in the requirement to supplement the buffer zone around the new IAB – with reference to designated area buffers. This is unlikely to raise any new significant issues but will be completed for the ES for accuracy.</p>
Appendices	<p>The changes do not require that the PEIR appendices are supplemented.</p>

### Conclusion relating to Terrestrial Biodiversity

- 3.6.1 Based on the preliminary findings of this assessment of a limited number of ecological features, significant ecological effects are considered unlikely to result from the changes in the IAB in the long-term, as described in the PEIR for the Electrical Connection route, taking into account the following:
- The relatively small areas of additional land affected by the IAB changes;
  - The short-term temporary impacts associated with the connection route;
  - The commitment to minimise impacts (especially on locally designated areas) resulting from these changes through appropriate working measures;
  - That affected habitats will be reinstated and working measures will be employed to avoid or mitigate for impacts on protected species; and
  - Overall the project is committed to the policy objective to achieve biodiversity net gain.
- 3.6.2 A full ecological assessment will be undertaken for the ES which will provide a full ecological baseline for assessment, along with further information on the potential ecological impacts of the Proposed Development, and associated mitigation and compensation, with reference to achieving policy and legal compliance.

### 3.7 Hydrology, Flood Risk and Water Resources

Table 3.7: Implications for PEIR text

PEIR text reference	Comment on changes
12.1, 12.2, 12.3, 12.4, 12.5	<p><b>Section 12.1</b> (Introduction), <b>Section 12.2</b> (Policy Context, Legislation, Guidance and Standards), <b>Section 12.3</b> (Consultation), <b>Section 12.4</b> (Parameters Used for Assessment) and <b>Section 12.5</b> (Assessment Methodology and Significance Criteria) do not require supplementary information as a result of the changes to the IAB and therefore remain valid.</p>
12.6	<p><b>Section 12.6</b> (Baseline Conditions and Receptors) is supplemented by the following text (at 12.6.34):</p> <ul style="list-style-type: none"> <li>• The River Cray;</li> <li>• The River Darent.</li> </ul>
12.7	<p><b>Section 12.7</b> (Embedded Mitigation) is supplemented by the following text:</p> <p>The IAB has been extended in specific locations to facilitate installation of the Electrical Connection and allow alternative civil engineering techniques/solutions, such as Horizontal Directional Drilling (HDD), to be employed where the Electrical Connection crosses beneath a watercourse. HDD construction techniques are likely to necessitate works within the floodplain. Such works would be the subject of a Flood Risk Activity Permit and flood risk impacts would therefore be controlled by measures set out in the associated management system. In accordance with EA requirements, the management system would include details regarding, inter alia, the method of working, provisions for flood warning and a flood incident management plan – anticipated to be addressed within an outline CoCP to be submitted as part of the REP DCO application.</p>
12.8	<p><b>Section 12.8</b> (Assessment of Likely Effects) is supplemented by the following text:</p> <p>Where trenchless construction techniques such as HDD are employed to facilitate crossing of watercourses, including the River Cray and the River Darent, there is the potential for works within the floodplain and therefore impacts upon floodplain storage and flood flow routing. This is also the case for potential structures (e.g. scaffolding) that might be required to attach cables to existing structures. The infrastructure carrying the cable over watercourses are not anticipated to encroach into the channel cross-section over and above that associated with existing bridges in the immediate location. Additionally, as noted in <b>Section 12.7</b> above, mitigation measures in respect of flood risk impacts associated with works within the floodplain will be secured through a Flood Risk Activity Permit. On this basis, the effects upon floodplain storage and flood flow routing during construction of the Electrical Connection would be <b>Negligible</b> and therefore <b>Not Significant</b>.</p>
12.9, 12.10, 12.11,	<p><b>Section 12.9</b> (Cumulative Assessment), <b>Section 12.10</b> (Further Mitigation and Enhancement), <b>Section 12.11</b> (Residual Effects and Monitoring), <b>Section 12.12</b> (Summary of Residual Effects) and <b>Section 12.13</b> (Preliminary Conclusion and</p>

PEIR text reference	Comment on changes
12.12, 12.13	Further Assessment) do not require supplementary information as a result of the changes to the IAB and therefore remain valid.
Figures	The changes do not require that the PEIR figures are supplemented.
Appendices	The changes do not require that the PEIR appendices are supplemented.

### Conclusion relating to Hydrology, Flood Risk and Water Resources

- 3.7.1 Although the changes to the IAB include provision for HDD construction techniques to facilitate the crossing of watercourses, potential impacts would be controlled through the Flood Risk Activity Permit process.
- 3.7.2 In consideration of the inclusions identified in **Table 3.7**, the conclusions of **Chapter 12** are considered to remain valid when considered against the changes.

### 3.8 Ground Conditions

Table 3.8: Implications for PEIR text

PEIR text reference	Comment on changes
13.1, 13.2	<b>Section 13.1</b> (Introduction), <b>Section 13.2</b> (Policy Context, Legislation, Guidance and Standards) do not require supplementary information as a result of the changes to the IAB and therefore remain valid.
13.3	<b>Section 13.3</b> (Consultation) is supplemented by the following text:  The scoping opinion received from the Secretary of State (SoS) scoped the Electrical Connection route out of the ES on the basis that the proposed underground route for the Electrical Connection would seek to follow existing highways or corridors utilised by the existing RRRF connection where possible. However, the changes to the IAB now include areas along the Electrical Connection route outside of the existing highways and utility corridors where excavations are required. Therefore, these specified areas along the Electrical Connection route will be included in the assessment reported in the ES.  Where the changes to the IAB along the Electrical Connection route do not involve any ground disturbance (such as where it is proposed to strap the cable to existing structures), or where there are no changes to the route, these areas remain scoped out of the assessment.
13.4	<b>Section 13.4</b> (Parameters Used for Assessment) is supplemented by the following text:  In undertaking the impact assessment as part of the ground conditions assessment (GCA), a number of reasonable worst case scenarios have previously been considered for REP and the Main Temporary Construction Compounds in the PEIR, and the ES will also include those specified areas along

PEIR text reference	Comment on changes
	the Electrical Connection route that are outside of existing highways and utility corridors and where ground disturbance may be required.
13.5	<p><b>Section 13.5</b> (Assessment Methodology and Significance Criteria) is supplemented by the following text:</p> <p>The study area for the ES will now be defined as the REP site, and the main temporary construction compounds adjacent to Norman Road, and up to a 1 kilometre radius, and will also include the areas of the Electrical Connection Route that are located outside of existing highways and utility corridors and where ground disturbance may be required.</p> <p>The assessment of ground conditions for the baseline data collection in the ES will include the areas of the Electrical Connection Route that are located outside of existing highways and utility corridors and where ground disturbance may be required.</p>
13.6	<p><b>Section 13.6</b> (Baseline Conditions and Receptors) is supplemented by the following text:</p> <p>Baseline conditions and receptors for the areas of the Electrical Connection route that are outside of existing highways and utility corridors and where ground disturbance may be required, will be identified through the update of the Phase 1 GCA and will subsequently be incorporated in to the ES.</p>
13.7	<p><b>Section 13.7</b> (Embedded Mitigation) does not require supplementary information as a result of the changes to the IAB and therefore remains valid.</p>
13.8	<p><b>Section 13.8</b> (Assessment of Likely Effects) is supplemented by the following text:</p> <p>The assessment of likely effects due to the changes will be undertaken once the Phase 1 GCA has been updated and the Tier 1 qualitative risk assessment for the revised IAB has been completed. The assessment of likely effects will be presented in the ES.</p>
13.9	<p><b>Section 13.9</b> (Cumulative Assessment) does not require supplementary information as a result of the changes to the IAB and therefore remains valid.</p>
13.10, 13.11	<p><b>Section 13.10</b> (Further Mitigation and Enhancement) and <b>Section 13.11</b> (Preliminary Residual Effects and Monitoring) do not require any updates as a result of the changes to the IAB and therefore remain valid.</p>
13.12	<p><b>Section 13.12</b> (Summary of Residual Effects) is supplemented by the following text:</p> <p>The assessment of residual effects relating to the changes to the IAB will be undertaken once the Phase 1 GCA has been updated and assessment of likely</p>

PEIR text reference	Comment on changes
	effects has been completed. The summary of residual effects in relation to the changes to the IAB will be presented in the ES.
13.13	<b>Section 13.13</b> (Preliminary Conclusion and Further Assessment) is supplemented by the following text:  The assessment of residual effects relating to the changes to the IAB will be undertaken once the Phase 1 GCA has been updated and assessment of residual effects has been completed. The preliminary conclusion and further assessment in relation to the changes to the IAB will be presented in the ES.
Figures	The changes result in the requirement to supplement the areas identified in Figures 1 and 2 of the Phase 1 GCA. These will be updated as part of the GCA to be submitted with the ES.
Appendices	The changes result in the requirement to supplement Appendix H of the Phase 1 GCA. This will be undertaken as part of the ES.

### Conclusion relating to Ground Conditions

- 3.8.1 The changes would introduce the potential for construction impacts in areas not identified within the PEIR. The baseline conditions and identified receptors for the changes to the IAB will be established through the update of the Phase 1 GCA which presents information on the geotechnical and geoenvironmental setting of the Proposed Development. This information will then be used to determine the assessment of likely effects, the likely residual effects following further mitigation and enhancement (to be identified as required through this update) and any changes to the conclusions and further assessment required. Subject to the results of the updated Phase 1 GCA (including the identification of any required mitigation items), it is not anticipated that the changes would result in any new likely significant effects.
- 3.8.2 The conclusions of **Chapter 13** are therefore considered to remain valid when considered against the changes, however this will be confirmed through the assessment presented in the ES.

### 3.9 Socio-economic

- 3.9.1 The changes would not result in new or different impacts to those identified within the PEIR. Therefore, the conclusions of **Chapter 14** are therefore considered to remain valid when considered against the changes.

### 3.10 Other Considerations

#### Introduction

- 3.10.1 **Chapter 15** of the PEIR identified topics which were confirmed as not requiring specific Chapters within the ES, as no likely significant effects were anticipated. However, the PEIR considered effects in relation to Climate, Lighting, Human Health and Waste.

- 3.10.2 This section provides an overview of how the changes to the IAB interact with the information provided within **Chapter 15** of the PEIR, specifically highlighting any areas where the information needs to be updated in light of the changes.

### Climate

- 3.10.3 The changes are not considered to result in an increase in the contribution of greenhouse gasses from the Proposed Development, nor do the changes introduce any areas which are more vulnerable to the impact of climate change than identified within the PEIR. Therefore, **Section 15.2** of the PEIR does not require supplementary information as a result of the changes to the IAB and therefore remains valid.

### Lighting

- 3.10.4 The changes introduce new areas which will be impacted by temporary construction lighting. However, it is anticipated that the working practices and principles for appropriate use of lighting as identified in the PEIR would prevent significant effects occurring from the changes.
- 3.10.5 **Section 15.3** of the PEIR does not require supplementary information as a result of the changes to the IAB and therefore remains valid.

### Health Impact Assessment (HIA)

- 3.10.6 **Appendix K.1** (HIA) was prepared using assessments within the air quality, ground conditions, transport, noise and socio-economic PEIR chapters. As these environmental disciplines have not identified changes to the assessments, the HIA as presented within the PEIR remains valid.
- 3.10.7 **Section 15.3** of the PEIR does not require to be updated as a result of the changes to the IAB and therefore remains valid.

### Waste

- 3.10.8 The changes may increase waste arisings from the construction process for the Electrical Connection, where engineering solutions required become more extensive than an open trenching solution. However, it is not considered that the works would generate significant levels of waste arisings. Coupled with the measures for dealing with waste as identified in the PEIR, **Section 15.3** of the PEIR does not require supplementary information as a result of the changes to the IAB and therefore remains valid.

## 3.11 Glossary

- 3.11.1 **Chapter 17** of the PEIR does not require supplementary information as a result of the changes to the IAB and therefore remains valid.

## 4 Overall Conclusions

- 4.1.1 This SIP report has identified where the IAB in the PEIR has been altered due to the changes as outlined in **Table 1.1** above. It then clearly identifies whether the additional areas result in any changes to the text or assessments provided within the PEIR.
- 4.1.2 Desk based reviews, reviews of publically available information, mapping and documents have been undertaken to inform this SIP report. Additionally, a site walkover was undertaken in relation to Terrestrial Biodiversity to inform **Section 3.6**.
- 4.1.3 It has been identified that the changes do not result in changes to the PEIR conclusions for Transport, Air Quality, Noise and Vibration, Townscape and Visual Impact, Hydrology, and Socio-economics. Accordingly, these chapters of the PEIR remain valid subject to the supplements as identified in this report.
- 4.1.4 The potential for new, not significant adverse effects has been identified in relation to the Historic Environment where the changes impact areas in addition to those considered within the PEIR.
- 4.1.5 The changes are not at this stage anticipated to result in new significant effects for Terrestrial Biodiversity or Ground Conditions. However, the preliminary findings of the assessments for these topics are subject to further investigation and assessment work which will be presented within the ES.
- 4.1.6 Whilst not required as standalone chapters, the topics of Climate, Lighting, HIA and Waste are not altered by the changes and thus also remain valid.
- 4.1.7 It has been identified that, at this stage, the changes are not considered to be material. This is because the conclusions of the PEIR remain, or are anticipated to remain valid when considered against mitigation measures. Such new mitigation measures as identified within this report will be incorporated into the outline Code of Construction Practice which will support the REP DCO.

## Appendix A Figures

Figure 1: Supplementary Areas

Figure 2: Supplementary Area 1

Figure 3: Supplementary Area 2

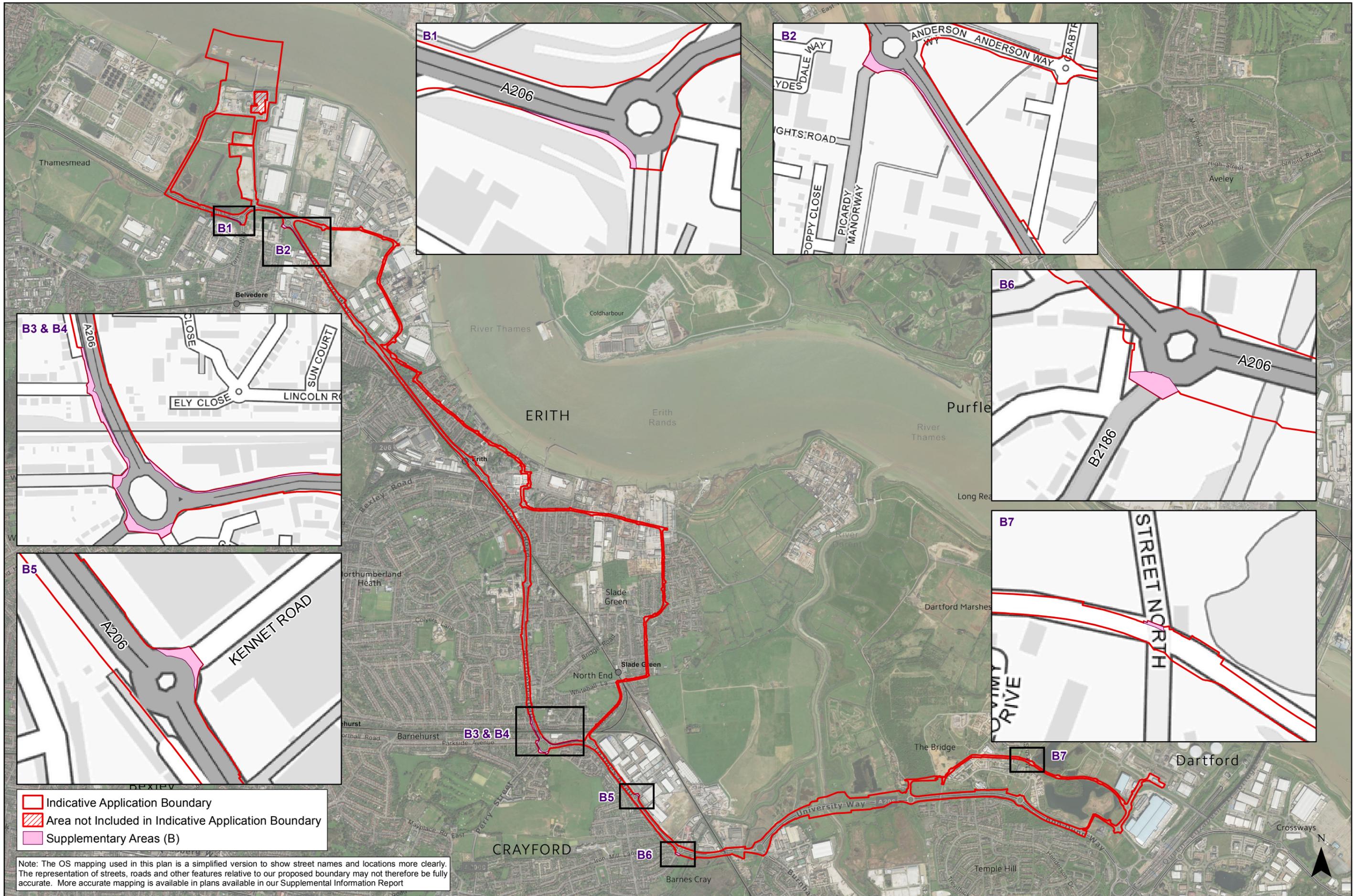
Figure 4: Supplementary Area 3

Figure 5: Supplementary Area 4

Figure 6: Supplementary Area 5

Figure 7: Supplementary Area 6

Figure 8: Additional 'B' Boundary Refinements



- Indicative Application Boundary
- Area not Included in Indicative Application Boundary
- Supplementary Areas (B)

Note: The OS mapping used in this plan is a simplified version to show street names and locations more clearly. The representation of streets, roads and other features relative to our proposed boundary may not therefore be fully accurate. More accurate mapping is available in plans available in our Supplemental Information Report

<p><b>RIVERSIDE ENERGY PARK</b></p>	<p>0 1 2 km</p>		<p>Client</p>	<p>1:24,000 @ A3</p> <p>27/07/18</p> <p>Drawn: HG</p> <p>Checked: SC</p>	<p><b>Additional 'B' Boundary Refinements</b></p>
<p>© Crown copyright and database rights 2017. Ordnance Survey AL10004923.          Based on Babcock/EDF plan - RRRL Cable Route Landowners - 2-01-2010 - Drawing NO. Cable Route Plan          Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community          Contains Ordnance Survey data © Crown copyright and database right [2018]</p>				<p>Figure 8 Rev A</p>	



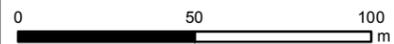
Indicative Application Boundary  
 Supplementary Area

A6

A6



RIVERSIDE ENERGY PARK



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Client



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Drawn: HG

Checked: JM

Supplementary Environmental Information to the PEIR

Figure 7

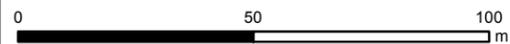
Rev A



Indicative Application Boundary  
 Supplementary Area



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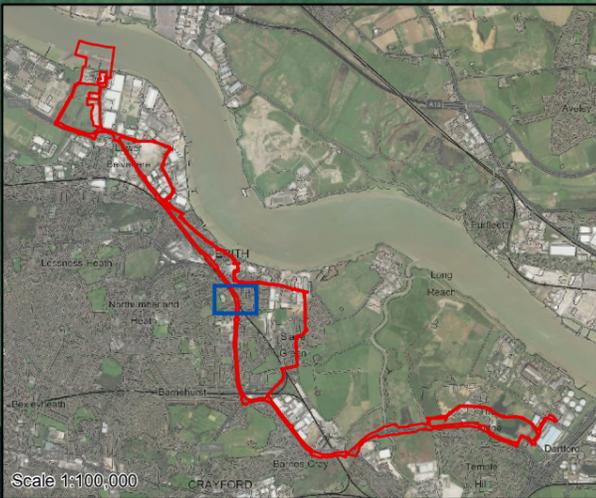
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Supplementary Environmental Information to the PEIR

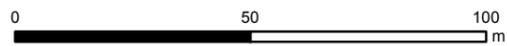


Indicative Application Boundary  
 Supplementary Area

A4



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20/07/18

Drawn: HG

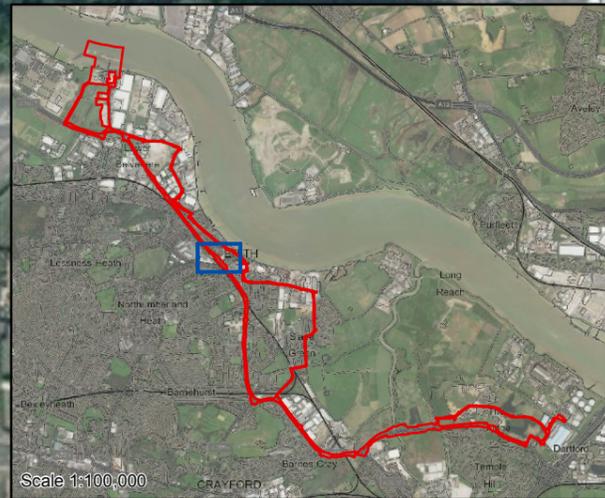
Checked: JM

Supplementary Environmental Information to the PEIR

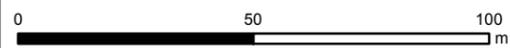


Indicative Application Boundary  
 Supplementary Area

A3



RIVERSIDE ENERGY PARK



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 Based on Babcock/EDF plan - RRRL Cable Route Landowners - 2-01-2010 - Drawing NO. Cable Route Plan  
 Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community  
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Client  
 1:1,500 @ A3  
 20/07/18  
 Drawn: HG  
 Checked: JM

Supplementary Environmental Information to the PEIR



Indicative Application Boundary  
 Supplementary Area

A2

A2



RIVERSIDE ENERGY PARK



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 Based on Babcock/EDF plan - RRRL Cable Route Landowners - 2-01-2010 - Drawing NO. Cable Route Plan  
 Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community  
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Client



1:1,500 @ A3

20/07/18

Drawn: HG

Checked: JM

Supplementary Environmental Information to the PEIR



	Indicative Application Boundary
	Area not Included in Indicative Application Boundary
	Supplementary Area



RIVERSIDE ENERGY PARK

0 50 100 m

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 Based on Babcock/EDF plan - RRRL Cable Route Landowners - 2-01-2010 - Drawing NO. Cable Route Plan  
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25/07/18
Drawn: HG
Checked: JM

Supplementary Environmental Information to the PEIR



Indicative Application Boundary  
 Area not Included in Indicative Application Boundary  
 Supplementary Area

**RIVERSIDE ENERGY PARK**

0 1 2 km

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 Based on Babcock/EDF plan - RRRL Cable Route Landowners - 2-01-2010 - Drawing NO. Cable Route Plan  
 Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community  
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Client

1:24,000 @ A3
20/07/18
Drawn: HG
Checked: JM

Supplementary Environmental Information to the PEIR

Figure 1 Rev A

**Appendix B PEIR Appendix E.3**

BASELINE AND SENSITIVITY			CHANGE, MAGNITUDE AND SIGNIFICANCE				
Landscape / Townscape Character Area / Type, Townscape Designation or Features	Baseline Description: (Key Defining Characteristics)	Value of Character or Townscape Features, Susceptibility to Change; OVERALL SENSITIVITY	Description of Change	Mitigation	Size / scale, Geographical Extent and Duration / reversibility; OVERALL MAGNITUDE	Nature of Effect	LEVEL OF SIGNIFICANCE
<b>Landscape Character Areas (Published Sources)</b>							
Countryside Agency National Landscape Character Area No.81: Greater Thames Estuary	<ul style="list-style-type: none"> <li>Predominantly flat, low-lying coastal landscape where extensive open spaces are dominated by the sky, and the pervasive presence of water and numerous coastal estuaries extend the maritime influence far inland.</li> <li>Highly urbanised areas within London and on marsh edges subject to chaotic activity of various major developments including ports, waste disposal, marine dredging, housing regeneration, mineral extraction and prominent power stations plus numerous other industry-related activities.</li> <li>Increasing development pressures around major settlements and especially towards London, with urban, industrial and recreational sites often highly visible within the low-lying marshes.</li> <li>Major historical and current transport link to Inner London provided by the River Thames, with an extensive network of road and rail bridges spanning its reaches within the city.</li> </ul>	<p><b>Value of NCA:</b> Medium</p> <p><b>Susceptibility to Change:</b> Low</p> <p><b>OVERALL SENSITIVITY:</b> LOW</p>	<p><u>During Construction:</u></p> <p>Construction activity, and associated plant, cranes for the REP site will cause disturbance to the site. However this project and related activity and elements during the construction period are in character for this open, working, and large scale river side Character Area.</p> <p>These elements affect only a small part of the Character Area, and are temporary, within and part of this area identified for new employment and infrastructure projects.</p> <p>Road digging for the Electrical Connection route will cause some temporary disturbance in the character of the road corridors.</p> <p><u>On Completion:</u></p> <p>The landuse of a waste processing and energy park, using the transport opportunities of the river is continuous, and in line with, the nature and heritage of this Thames Estuary Character Area. "Various major developments including waste disposal...and power stations plus numerous other industry related activities" is one of the key characteristics of this Character Area.</p> <p>The current building is a local industrial landmark and the new tall stacks will form a more prominent landmark in this open riverside location.</p> <p>New development on this site is a small part of the overall landscape character area, and of a similar character, and will therefore cause little change to the overall landscape character.</p>	N/A	<p><u>During Construction:</u>  <b>Size/Scale:</b> Negligible  <b>Geographical Extent:</b> Site forms a small part of the west of the character area  <b>Duration/Reversibility:</b> Medium Term / Temporary  <b>OVERALL MAGNITUDE:</b> NEGLIGIBLE</p> <p><u>On Completion:</u>  <b>Size/Scale:</b> Slight  <b>Geographical Extent:</b> Site forms a small part of the west of the character area  <b>Duration/Reversibility:</b> Long Term / Permanent  <b>OVERALL MAGNITUDE:</b> SLIGHT</p>	<p>Adverse</p> <p>Adverse</p>	<p>Negligible (not significant)</p> <p>Minor</p>

**Terminology for Townscape Effects:**

Landscape Value: High, Medium, Low  
 Susceptibility to Change: High, Medium, Low  
 Overall Sensitivity of Receptor: High, Medium, Low  
 Size/Scale of Effect: Major, Moderate, Slight, Negligible, Neutral, No Change  
 Geographical Extent of Effect: (Descriptive)

Duration: Long-term, Medium-term, Short-term  
 Reversibility: Temporary / Permanent  
 Overall Magnitude of Effect: Major, Moderate, Slight, Negligible, Neutral, No Change  
 Nature of Effect: Adverse, Benefit, Neutral, Not Applicable, Direct, Indirect, Secondary  
 Significance: Severe, Major, Moderate, Minor, Not Significant

BASELINE AND SENSITIVITY			CHANGE, MAGNITUDE AND SIGNIFICANCE				
Landscape / Townscape Character Area / Type, Townscape Designation or Features	Baseline Description: (Key Defining Characteristics)	Value of Character or Townscape Features, Susceptibility to Change; OVERALL SENSITIVITY	Description of Change	Mitigation	Size / scale, Geographical Extent and Duration / reversibility; OVERALL MAGNITUDE	Nature of Effect	LEVEL OF SIGNIFICANCE
Countryside Agency National Landscape Character Area No.112: Inner London	<ul style="list-style-type: none"> <li>Entirely urban, Inner London relies heavily on ecosystem services provided by the surrounding National Character Areas (NCAs) – Northern Thames Basin, Greater Thames Estuary, North Kent Plain, North Downs, Thames Basin Lowlands and Thames Valley. Wetlands, woodlands and parklands in these NCAs provide flood alleviation and air temperature regulation. The Thames Barrier is a major tidal flood defence for London.</li> <li>Inner London lies at the centre of the Thames Basin on a broad flood plain which rises in gentle terraces, providing panoramic views of London's skyline from the clay plateaux and ridges in the north at the border with the Northern Thames Basin. Peregrine falcons, such as this one seen perching on the Houses of Parliament, have adapted to life in the inner city. The NCA is steeped in both historical and contemporary culture; it is the centre of UK Government and a major international hub for finance, business, tourism and transport. People from the surrounding NCAs, the rest of the UK and Europe travel to Inner London every day for work and leisure.</li> </ul>	<p><b>Value of NCA:</b> Medium</p> <p><b>Susceptibility to Change:</b> Low</p> <p><b>OVERALL SENSITIVITY:</b> LOW</p>	<p><u>During Construction:</u></p> <p>Construction activity, and associated plant, cranes and marine infrastructure will cause disturbance to the site. However this project and related activity and elements during the construction period are in character for this open, working, and large scale river side Character Area.</p> <p>These elements affect only a small part of the Character Area, and are temporary, within and part of this an area identified for new employment and infrastructure projects.</p> <p>Road digging for the Electrical Connection route will cause some temporary disturbance in the character of the road corridors.</p> <p><u>On Completion:</u></p> <p>The landuse of a waste processing and energy park, using the transport opportunities of the river is continuous, and in line with, the nature and heritage of this riverside location. And views of tall structures are part of the nature of this Inner London Character Area.</p> <p>The current building is a local industrial landmark and the new tall stacks will form a more prominent landmark in this open riverside location.</p> <p>New development on this site is a small part of the setting of this overall landscape character area, and of a similar character, and will therefore cause little change to the overall landscape character.</p>	N/A	<p><u>During Construction:</u>  <b>Size/Scale:</b> Negligible  <b>Geographical Extent:</b> Site is visible from part of this character area Tall cranes and construction activity are part of the character of this Character Area.  <b>Duration/Reversibility:</b> Medium Term / Temporary  <b>OVERALL MAGNITUDE:</b> NEGLIGIBLE</p> <p><u>On Completion:</u>  <b>Size/Scale:</b> Negligible  <b>Geographical Extent:</b> Site is visible from part of this character area  <b>Duration/Reversibility:</b> Long Term / Permanent  <b>OVERALL MAGNITUDE:</b> SLIGHT</p>	<p>Adverse</p> <p>Adverse</p>	<p><b>Negligible (not significant)</b></p> <p><b>Minor</b></p>

**Terminology for Townscape Effects:**

Landscape Value: High, Medium, Low  
 Susceptibility to Change: High, Medium, Low  
 Overall Sensitivity of Receptor: High, Medium, Low  
 Size/Scale of Effect: Major, Moderate, Slight, Negligible, Neutral, No Change  
 Geographical Extent of Effect: (Descriptive)

Duration: Long-term, Medium-term, Short-term  
 Reversibility: Temporary / Permanent  
 Overall Magnitude of Effect: Major, Moderate, Slight, Negligible, Neutral, No Change  
 Nature of Effect: Adverse, Benefit, Neutral, Not Applicable, Direct, Indirect, Secondary  
 Significance: Severe, Major, Moderate, Minor, Not Significant

BASELINE AND SENSITIVITY			CHANGE, MAGNITUDE AND SIGNIFICANCE				
Landscape / Townscape Character Area / Type, Townscape Designation or Features	Baseline Description: (Key Defining Characteristics)	Value of Character or Townscape Features, Susceptibility to Change; OVERALL SENSITIVITY	Description of Change	Mitigation	Size / scale, Geographical Extent and Duration / reversibility; OVERALL MAGNITUDE	Nature of Effect	LEVEL OF SIGNIFICANCE
<p><b>London Natural Signatures Character Areas: The London Landscape Framework</b></p> <p>Landscape Type: <b>Thames Floodplain</b></p> <p>Landscape Area: <b>Lower Thames Floodplain</b></p>	<ul style="list-style-type: none"> <li>The Lower Thames Floodplain Natural Landscape Area covers the tidal Thames and its associated floodplain from Battersea in the west to Rainham Marshes and Crayford Marshes in the east. As the river flows east from Battersea it takes on more of the character of an estuary as it reaches Rainham and Crayford Marshes.</li> <li>The general lack of human settlement, the flat ground (and the prevailing westerly wind) made these areas ideal for the development of large scale industry, such as the Ford Plant at Dagenham.</li> <li>Flat, expansive landscape, with low horizons.</li> <li>Remote and wild.</li> <li>Open grazed saltmarshes patterned by networks of medieval (meandering) and modern (rectilinear) reed-fringed drainage ditches.</li> <li>Extensive intertidal mudflats, divided by evolving winding creeks.</li> <li>Reedswamp.</li> <li>Industrial and military heritage – pill boxes, wharves, jetties, industrial archaeology.</li> <li>Embanked pathways.</li> <li>Virtually no trees.</li> </ul>	<p><b>Value of NCA:</b> Medium</p> <p><b>Susceptibility to Change:</b> Low</p> <p><b>OVERALL SENSITIVITY:</b> LOW</p>	<p><u>During Construction:</u></p> <p>Construction activity, and associated plant, cranes and marine infrastructure will cause disturbance to the site. However this project and related activity and elements during the construction period are in character for this urban, working, and large scale river side Landscape Area.</p> <p>These elements affect only a small part of the Landscape Area, and are temporary, within and part of this area identified for new employment and infrastructure projects.</p> <p>Road digging for the Electrical Connection route will cause some temporary disturbance in the character of the road corridors.</p> <p><u>On Completion:</u></p> <p>The landuse of a waste processing and energy park, using the transport opportunities of the river is continuous, and in line with, the nature and heritage of this part of this Landscape Area, which has been ideal for the development of large scale industry.</p> <p>The current building is a local industrial landmark and the new tall stacks will form a more prominent landmark in this open riverside location.</p> <p>New development on this site is a small part of the overall Landscape Area, and of a similar character, and will therefore cause little change to the overall landscape character.</p>	N/A	<p><u>During Construction:</u>  <b>Size/Scale:</b> Negligible  <b>Geographical Extent:</b> Site forms a small part of the east of the character area  <b>Duration/Reversibility:</b> Medium Term / Temporary  <b>OVERALL MAGNITUDE:</b> NEGLIGIBLE</p> <p><u>On Completion:</u>  <b>Size/Scale:</b> Slight  <b>Geographical Extent:</b> Site forms a small part of the east of the character area  <b>Duration/Reversibility:</b> Long Term / Permanent  <b>OVERALL MAGNITUDE:</b> SLIGHT</p>	<p>Adverse</p> <p>Adverse</p>	<p><b>Negligible (not significant)</b></p> <p><b>Minor</b></p>

**Terminology for Townscape Effects:**

Landscape Value: High, Medium, Low  
 Susceptibility to Change: High, Medium, Low  
 Overall Sensitivity of Receptor: High, Medium, Low  
 Size/Scale of Effect: Major, Moderate, Slight, Negligible, Neutral, No Change  
 Geographical Extent of Effect: (Descriptive)

Duration: Long-term, Medium-term, Short-term  
 Reversibility: Temporary / Permanent  
 Overall Magnitude of Effect: Major, Moderate, Slight, Negligible, Neutral, No Change  
 Nature of Effect: Adverse, Benefit, Neutral, Not Applicable, Direct, Indirect, Secondary  
 Significance: Severe, Major, Moderate, Minor, Not Significant

BASELINE AND SENSITIVITY			CHANGE, MAGNITUDE AND SIGNIFICANCE				
Landscape / Townscape Character Area / Type, Townscape Designation or Features	Baseline Description: (Key Defining Characteristics)	Value of Character or Townscape Features, Susceptibility to Change; OVERALL SENSITIVITY	Description of Change	Mitigation	Size / scale, Geographical Extent and Duration / reversibility; OVERALL MAGNITUDE	Nature of Effect	LEVEL OF SIGNIFICANCE
<p><b>Bexley Conservation Areas:</b></p> <p>Within 1km of the site</p> <p><b>Crossness Conservation Area, including its listed building and setting</b></p>	<p>This mid-Victorian example of public health engineering is a unique industrial complex set within a landscape/location selected by the then level of engineering technology. It is South East London's most important site for industrial archaeology.</p> <p>The key elements that characterise the Conservation Area are:</p> <ul style="list-style-type: none"> <li>the Grade I Listed Crossness Pumping Station comprising the Beam Engine House, Boiler House and Triple Expansion House; the Grade II Listed workshops; and brick vaulted subterranean reservoir.</li> <li>Other significant buildings include the storm water pumping station/centrifugal engine house and the precipitation engine house/boiler house group.</li> <li>Use of the complex for over 140 years has resulted in layers of industrial development that represent the evolution of the site.</li> <li>The buildings present important engineering development, in terms of landmark building design and surviving machinery.</li> <li>Spaces within the site, including the River Thames location and the surrounding remnants of the original rural landscape recall the importance of the location.</li> <li>The site includes open spaces that have remained undisturbed for long periods, including mature trees, which contribute towards the biodiversity of the area.</li> </ul>	<p><b>Value of CA:</b> High</p> <p><b>Susceptibility to Change:</b> Low</p> <p><b>OVERALL SENSITIVITY:</b> MEDIUM</p>	<p><u>During Construction:</u></p> <p>Construction activity, and associated plant, cranes and marine infrastructure will cause disturbance to views of the Conservation Area. However this project and related activity and elements during the construction period, though larger in scale, are in the same industrial engineering and public health character type as the structures that the Conservation Area preserves.</p> <p>These elements affect only a small part of the Character Area, and are temporary, within and part of this area identified for new employment and infrastructure projects.</p> <p>The Electrical Connection works go no closer to the Conservation Area than the REP site so will cause no additional change.</p>	<p><u>Primary Measures:</u></p> <ul style="list-style-type: none"> <li>Consideration of the character, heritage, building heights and views of the Crossness Conservation Area and its listed buildings and setting.</li> </ul>	<p><u>During Construction:</u> <b>Size/Scale:</b> Slight <b>Geographical Extent:</b> Site forms a similar adjacent industrial river based landuse. <b>Duration/Reversibility:</b> Medium Term / Temporary <b>OVERALL MAGNITUDE:</b> SLIGHT</p>	Adverse	<b>Negligible (not significant)</b>
			<p><u>On Completion:</u></p> <p>The landuse of a waste processing and energy park, using the transport opportunities of the river is continuous, and in line with, the nature and heritage of engineering and public health character of the structures in the Conservation Area. In that sense there is a natural continuity and affinity of these similar riverside industrial workings, well suited and dependant on their riverside setting.</p> <p>The current building is an iconic industrial landmark in the area and the new building will also form a similar feature in this open riverside location, though a different shape.</p>		<p><u>On Completion:</u> <b>Size/Scale:</b> Moderate <b>Geographical Extent:</b> Site forms an adjacent larger scale industrial river based landuse to the east of the Conservation Area <b>Duration/Reversibility:</b> Long Term / Permanent <b>OVERALL MAGNITUDE:</b> MODERATE</p>	Adverse	<b>Moderate</b>

**Terminology for Townscape Effects:**

Landscape Value: High, Medium, Low  
 Susceptibility to Change: High, Medium, Low  
 Overall Sensitivity of Receptor: High, Medium, Low  
 Size/Scale of Effect: Major, Moderate, Slight, Negligible, Neutral, No Change  
 Geographical Extent of Effect: (Descriptive)

Duration: Long-term, Medium-term, Short-term  
 Reversibility: Temporary / Permanent  
 Overall Magnitude of Effect: Major, Moderate, Slight, Negligible, Neutral, No Change  
 Nature of Effect: Adverse, Benefit, Neutral, Not Applicable, Direct, Indirect, Secondary  
 Significance: Severe, Major, Moderate, Minor, Not Significant

BASELINE AND SENSITIVITY			CHANGE, MAGNITUDE AND SIGNIFICANCE				
Landscape / Townscape Character Area / Type, Townscape Designation or Features	Baseline Description: (Key Defining Characteristics)	Value of Character or Townscape Features, Susceptibility to Change; OVERALL SENSITIVITY	Description of Change	Mitigation	Size / scale, Geographical Extent and Duration / reversibility; OVERALL MAGNITUDE	Nature of Effect	LEVEL OF SIGNIFICANCE
<b>Character and Townscape Features of the Site</b>							
Character of the Site	<p>The site has a mixed character, with the current industrial building, and ancillary fencing and hardstanding and roads etc next to areas of semi natural open marshlands, and with other various elements such as the flood defences, Thames path recreational route, against the river, and urban backdrop. In this sense there is a high variety, (the Character Area 81 description, says 'chaotic') mix of elements of varying scales – from the small scale of the Listed Buildings to the large scale of the existing building, and wide open marshland and river scapes.</p> <p>The REP site includes the existing jetty in the River Thames which is currently used for delivery of waste and despatch of some by-products at the existing RRRF. The jetty will be used for the same purpose for the operation of REP. Existing land uses of the REP site include:</p> <ul style="list-style-type: none"> <li>Ash storage containers – container storage on concrete hardstanding;</li> <li>Boundary fencing and associated lighting;</li> <li>Circulation roads;</li> <li>Compounds for the maintenance of operational plant machinery (consisting of concrete hard standing, boundary fencing, lighting, portakabins, metal containers and permanent storage sheds);</li> <li>Car parking; and</li> <li>On-site non-designated Wasteland Habitat Area(WHA).</li> </ul>	<p><b>Value of Site's Character:</b> Low</p> <p><b>Susceptibility to Change:</b> Medium</p> <p><b>OVERALL SENSITIVITY:</b> MEDIUM</p>	<p><u>During Construction:</u></p> <p>Construction activity, and associated plant and cranes will cause some disturbance and change to the site character. The distinctiveness of the curving RRRF building set in the open riverside topology will be affected by adjacent large scale cranes and construction elements and activity. But the character of this industrial area is mixed and includes large engineering / industrial projects which include marine infrastructure.</p> <p>The change, including cranes, is temporary, will be carried out in phases, and is in line with the character of this estuary location.</p> <p>Road digging for the Electrical Connection route will cause some temporary disturbance in the character of the road corridors.</p> <p><u>On Completion:</u></p> <p>The character of the site currently includes the processing plant with curved roof, and associated hard standings and roads. The Project represents an intensification of that use on the site with a taller stack, and larger buildings but the mixed industrial character of the site will not change significantly.</p> <p>The site will have a less open character with fewer open views between river and adjacent marshland, and a loss of areas of scrubland.</p>	<p><u>Primary Measures:</u></p> <ul style="list-style-type: none"> <li>Consideration of the character, and building heights of the development adjacent to and near the site ensuring that the Project is in keeping with its mixed urban and industrial context</li> <li>Where trees are required to be removed to facilitate development and associated infrastructure, new tree planting will take place within the proposed development at least to levels in accordance with planning policy requirements;</li> <li>Tree protection fencing to retained trees adjacent to southern boundary;</li> <li>Consideration of the character of the adjacent open marshland areas and connectivity to the river Thames to reduce fragmentation of this character.</li> </ul> <p><u>Secondary Measures:</u> None</p>	<p><u>During Construction:</u> <b>Size/Scale:</b> Moderate <b>Geographical Extent:</b> Whole site <b>Duration/Reversibility:</b> Medium Term / Temporary <b>OVERALL MAGNITUDE:</b> MODERATE</p> <p><u>On Completion:</u> <b>Size/Scale:</b> Moderate <b>Geographical Extent:</b> Whole site <b>Duration/Reversibility:</b> Long Term / Permanent <b>OVERALL MAGNITUDE:</b> MODERATE</p>	<p>Adverse</p> <p>Adverse</p>	<p><b>Moderate</b></p> <p><b>Moderate</b></p>

**Terminology for Townscape Effects:**

Landscape Value: High, Medium, Low  
 Susceptibility to Change: High, Medium, Low  
 Overall Sensitivity of Receptor: High, Medium, Low  
 Size/Scale of Effect: Major, Moderate, Slight, Negligible, Neutral, No Change  
 Geographical Extent of Effect: (Descriptive)

Duration: Long-term, Medium-term, Short-term  
 Reversibility: Temporary / Permanent  
 Overall Magnitude of Effect: Major, Moderate, Slight, Negligible, Neutral, No Change  
 Nature of Effect: Adverse, Benefit, Neutral, Not Applicable, Direct, Indirect, Secondary  
 Significance: Severe, Major, Moderate, Minor, Not Significant

BASELINE AND SENSITIVITY			CHANGE, MAGNITUDE AND SIGNIFICANCE				
Landscape / Townscape Character Area / Type, Townscape Designation or Features	Baseline Description: (Key Defining Characteristics)	Value of Character or Townscape Features, Susceptibility to Change; OVERALL SENSITIVITY	Description of Change	Mitigation	Size / scale, Geographical Extent and Duration / reversibility; OVERALL MAGNITUDE	Nature of Effect	LEVEL OF SIGNIFICANCE
Tree Cover, and TPOs	There are no TPOs on site, or protected trees that will be affected by this Project  There are scattered small trees, and recent new tree planting on site.	<b>Value of Feature:</b> Low  <b>Susceptibility to Change:</b> Medium  <b>OVERALL SENSITIVITY:</b> LOW	<u>During Construction:</u>  Removal of some small trees to facilitate development and associated infrastructure. Retention and protection of existing trees on the southern boundary, and road verges where possible and practicable. Tree protection measures implemented around retained trees.  Depending on the route chosen, road digging for the Electrical Connection could cause some disturbance to street trees, but impacts can be minimised by following best practice.  <u>On Completion:</u>  Existing trees on northern boundary retained where possible and practicable, as part of the new development. New tree planting within the landscape scheme throughout the site, new tree numbers at least to levels in accordance with relevant planning policy requirements.	<u>Primary Measures:</u> <ul style="list-style-type: none"> <li>Consideration of additional tree planting of larger massing where suitable, and in character with the area, in line with the additional scale and massing of the proposed additional buildings.</li> <li>Carrying out works for the Electrical Connection route according to best practice to minimise any disturbance on street trees adjacent to the route. Potential for replacement tree planting in locations impacted by Electrical Connection.</li> </ul> <u>Secondary Measures:</u> None	<u>During Construction:</u> <b>Size/Scale:</b> Negligible <b>Geographical Extent:</b> Limited trees within site <b>Duration/Reversibility:</b> Medium Term / Temporary <b>OVERALL MAGNITUDE:</b> NEGLIGIBLE  <u>On Completion:</u> <b>Size/Scale:</b> Slight <b>Geographical Extent:</b> New trees within site <b>Duration/Reversibility:</b> Medium Term / Permanent <b>OVERALL MAGNITUDE:</b> SLIGHT	Adverse    Benefit	<b>Negligible</b>    <b>Minor</b>
Designated Public Open Space and Landscapes, and scrubland habitats on site.	The REP site does not lie in any Designated Public Open Space, but does have scrubland areas within it.  The River Thames, Site of Metropolitan Importance for Nature Conservation (M031), is immediately north of the REP site;  Erith Marshes, Site of Metropolitan Importance for Nature Conservation (M041), forms the REP site boundaries to the west and south. Belvedere Dykes, Site of Borough Importance for Nature Conservation (BxB102), is along the east boundary of the REP site.	<b>Value of Feature:</b> Medium  <b>Susceptibility to Change:</b> Medium /High  <b>OVERALL SENSITIVITY:</b> MEDIUM	<u>During Construction:</u>  Removal of the scrubland areas, and reduced connectivity between the designated marshland and the river Thames.  Road digging for the Electrical Connection route could cause some temporary disturbance to Crossness Nature Reserve and Dartford Marsh (if Route 2B is used) the character of the road corridors.  <u>On Completion:</u>  Removal of the scrubland areas of the site, and loss of connectivity between the designated marshland and the river Thames.	<u>Primary Measures:</u> <ul style="list-style-type: none"> <li>Consideration of the character and features of the scrubland and associated adjacent designated landscapes in the development of the Project design proposals.</li> <li>Assessment of possible opportunities to link in with existing Green Grid project proposals for these landscapes.</li> </ul> <u>Secondary Measures:</u> None	<u>During Construction:</u> <b>Size/Scale:</b> Moderate <b>Geographical Extent:</b> Large part of the existing on site scrubland <b>Duration/Reversibility:</b> Medium Term / Temporary <b>OVERALL MAGNITUDE:</b> SLIGHT  <u>On Completion:</u> <b>Size/Scale:</b> Moderate <b>Geographical Extent:</b> Large part of the existing on site scrubland <b>Duration/Reversibility:</b> Medium Term / Permanent <b>OVERALL MAGNITUDE:</b> MODERATE	Adverse    Adverse	<b>Minor</b>    <b>Moderate</b>

**Terminology for Townscape Effects:**

Landscape Value: High, Medium, Low  
 Susceptibility to Change: High, Medium, Low  
 Overall Sensitivity of Receptor: High, Medium, Low  
 Size/Scale of Effect: Major, Moderate, Slight, Negligible, Neutral, No Change  
 Geographical Extent of Effect: (Descriptive)

Duration: Long-term, Medium-term, Short-term  
 Reversibility: Temporary / Permanent  
 Overall Magnitude of Effect: Major, Moderate, Slight, Negligible, Neutral, No Change  
 Nature of Effect: Adverse, Benefit, Neutral, Not Applicable, Direct, Indirect, Secondary  
 Significance: Severe, Major, Moderate, Minor, Not Significant

BASELINE AND SENSITIVITY			CHANGE, MAGNITUDE AND SIGNIFICANCE				
Landscape / Townscape Character Area / Type, Townscape Designation or Features	Baseline Description: (Key Defining Characteristics)	Value of Character or Townscape Features, Susceptibility to Change; OVERALL SENSITIVITY	Description of Change	Mitigation	Size / scale, Geographical Extent and Duration / reversibility; OVERALL MAGNITUDE	Nature of Effect	LEVEL OF SIGNIFICANCE
Scale, Grain and Massing	<ul style="list-style-type: none"> <li>The site is an open riverside location, situated within an area of large scale mixed industrial buildings and uses.</li> <li>Existing building and stack on site, and buildings in the area are large scale 'shed' style buildings – with sloping or curved roofs</li> <li>The site is fairly typical of the large scale grain of the area with wide roads, carparks, and waste ground interspersed between large industrial buildings and marshland.</li> </ul>	<p><b>Value of Townscape Feature:</b> Low</p> <p><b>Susceptibility to Change:</b> Low</p> <p><b>OVERALL SENSITIVITY:</b> LOW</p>	<p><u>On Completion:</u></p> <p>The development will be in keeping with the large scale grain of the area, and not be a significant change to the pattern. The proposed buildings and stacks are of a greater massing than existing, so there will be some intensification of the existing landuses, and increase in the scale and massing of the area.</p>	<p><u>Primary Measures:</u></p> <ul style="list-style-type: none"> <li>Consideration of character, building heights and density adjacent to the site and the design of proposed development to be in keeping with the existing urban context;</li> </ul> <p><u>Secondary Measures:</u> None</p>	<p><u>On Completion:</u> <b>Size/Scale:</b> Major <b>Geographical Extent:</b> Whole site <b>Duration/Reversibility:</b> Long Term / Permanent <b>OVERALL MAGNITUDE:</b> MAJOR</p>	Adverse	<b>Moderate</b>
Appearance	The site is a large mixed area of the existing waste processing plant, carparking, waste ground, scrubland, roads, and ancillary features typical of this industrial area. The condition is generally reasonable but there is a disjointed character to the appearance of the site from the close proximity of the large scale industrial buildings, vehicles, and workings, next to the more natural river, and marshland features	<p><b>Value of Townscape Feature:</b> Low</p> <p><b>Susceptibility to Change:</b> Low</p> <p><b>OVERALL SENSITIVITY:</b> LOW</p>	<p><u>During Construction</u></p> <p>Construction activity, and associated plant and cranes will create movement and a temporary working construction site appearance. This however is temporary and carried out in phases.</p> <p>Construction activity, and associated traffic management measures will create a temporary working construction activity appearance on the Electrical Connection part of the site.</p> <p><u>On Completion</u></p> <p>Creation of a grouping of large scale additional industrial buildings and tall stacks will give a more intensely developed, enclosed industrial appearance to the site and more shading of adjacent areas.</p> <p>The tall stacks will form iconic new landmarks on the skyline.</p>	<p><u>Primary Measures:</u></p> <ul style="list-style-type: none"> <li>Consideration of positioning of the buildings and stacks within the site to mitigate adverse effects on appearance. This includes consideration of significant views around the site including those of the marshland nature reserve, Conservation Area, and those from the Thames Path and cycle route.</li> </ul> <p><u>Secondary Measures:</u> None</p>	<p><u>During Construction:</u> <b>Size/Scale:</b> Moderate <b>Geographical Extent:</b> Whole site <b>Duration/Reversibility:</b> Medium Term / Temporary <b>OVERALL MAGNITUDE:</b> MODERATE</p> <p><u>On Completion:</u> <b>Size/Scale:</b> Major <b>Geographical Extent:</b> Whole site <b>Duration/Reversibility:</b> Long Term / Permanent <b>OVERALL MAGNITUDE:</b> MAJOR</p>	Adverse  Adverse	<b>Minor</b>  <b>Moderate</b>
Legibility	The site and adjacent area currently has fairly good legibility with industrial buildings dotted within the more open land made up of a gradually evolving mix of marshland, roads, carparking and waste ground. There is some visual connection between the marshland areas and the open river corridor beyond; and also between the various large industrial buildings. There is some tension between the legibility of the natural open environment and the legibility of the built up enclosed environment. The curved roof buildings form distinctive local landmarks.	<p><b>Value of Townscape Feature:</b> Low to Medium</p> <p><b>Susceptibility to Change:</b> Low</p> <p><b>OVERALL SENSITIVITY:</b> LOW</p>	<p><u>On Completion:</u></p> <p>The additional industrial buildings, will reduce the legibility of the natural layers of the marshland, scrubland with the River Thames and Thames Path and cycle way, and give more dominance to the industrial urban townscape.</p> <p>However the tall stacks will form new landmarks for the local area, and skyline, and so have a positive effect on wayfinding and legibility.</p>	<p><u>Primary Measures:</u></p> <ul style="list-style-type: none"> <li>Consideration of the positioning of the buildings and stacks to improve legibility and way finding, and add positively to London's landmarks.</li> </ul> <p><u>Secondary Measures:</u> None</p>	<p><u>On Completion:</u> <b>Size/Scale:</b> Moderate <b>Geographical Extent:</b> Whole site <b>Duration/Reversibility:</b> Long Term / Permanent <b>OVERALL MAGNITUDE:</b> MAJOR</p>	Adverse.	<b>Moderate</b>

**Terminology for Townscape Effects:**

Landscape Value: High, Medium, Low  
 Susceptibility to Change: High, Medium, Low  
 Overall Sensitivity of Receptor: High, Medium, Low  
 Size/Scale of Effect: Major, Moderate, Slight, Negligible, Neutral, No Change  
 Geographical Extent of Effect: (Descriptive)

Duration: Long-term, Medium-term, Short-term  
 Reversibility: Temporary / Permanent  
 Overall Magnitude of Effect: Major, Moderate, Slight, Negligible, Neutral, No Change  
 Nature of Effect: Adverse, Benefit, Neutral, Not Applicable, Direct, Indirect, Secondary  
 Significance: Severe, Major, Moderate, Minor, Not Significant

BASELINE AND SENSITIVITY			CHANGE, MAGNITUDE AND SIGNIFICANCE				
Landscape / Townscape Character Area / Type, Townscape Designation or Features	Baseline Description: (Key Defining Characteristics)	Value of Character or Townscape Features, Susceptibility to Change; OVERALL SENSITIVITY	Description of Change	Mitigation	Size / scale, Geographical Extent and Duration / reversibility; OVERALL MAGNITUDE	Nature of Effect	LEVEL OF SIGNIFICANCE
Long distance paths, London and National Cycle Routes, Public Rights of Way	National Cycle Network (NCN) Route 1 connecting Dover and the Shetland Islands - via the east coast of England and Scotland passes along the northern boundary of the REP site  The Thames Path	<b>Value of Feature:</b> Medium  <b>Susceptibility to Change:</b> Low  <b>OVERALL SENSITIVITY:</b> LOW	<p><u>During Construction:</u></p> <p>The character of a small section of the route will be changed temporarily. There will be more cranes and construction infrastructure visible through fencing, and less open views across to the marshland and wider townscape so this will have a small impact on the recreational function of this riverside long distance route</p> <p>The Electrical Connection construction could cause some disturbance to the National Cycleway 1 for small section at the A406, and if route 2A is used could cause some disturbance for a 2.5km section along Manor Rd. Careful construction, and timing could potentially avoid diversions, and the peak use periods.</p>	<p><u>Primary Measures:</u></p> <ul style="list-style-type: none"> <li>Consideration of the positioning of the new buildings and stacks to minimise adverse effects of additional shading, and to maintain some open views through the buildings.</li> </ul> <p><u>Secondary Measures:</u> None</p>	<p><u>During Construction:</u> <b>Size/Scale:</b> Slight <b>Geographical Extent:</b> Small section <b>Duration/Reversibility:</b> Medium Term / Temporary <b>OVERALL MAGNITUDE:</b> SLIGHT</p>	Adverse	<b>Minor</b>
			<p><u>On Completion:</u></p> <p>The character of a small section of the route will be changed permanently. The new buildings will mean this area is perceived to be more built up, and less open, more shaded, and with less open views across to the marshland and wider townscape. This will have a small impact on the recreational function of this riverside long distance route</p> <p>However the tall stacks will be a new interesting feature along the route which is already industrial in character at this point.</p>			<p><u>On Completion:</u> <b>Size/Scale:</b> Moderate <b>Geographical Extent:</b> Small section <b>Duration/Reversibility:</b> Long Term / Permanent <b>OVERALL MAGNITUDE:</b> SLIGHT</p>	

**Terminology for Townscape Effects:**

Landscape Value: High, Medium, Low  
 Susceptibility to Change: High, Medium, Low  
 Overall Sensitivity of Receptor: High, Medium, Low  
 Size/Scale of Effect: Major, Moderate, Slight, Negligible, Neutral, No Change  
 Geographical Extent of Effect: (Descriptive)

Duration:  
 Reversibility:  
 Overall Magnitude of Effect:  
 Nature of Effect:  
 Significance:

Long-term, Medium-term, Short-term  
 Temporary / Permanent  
 Major, Moderate, Slight, Negligible, Neutral, No Change  
 Adverse, Benefit, Neutral, Not Applicable, Direct, Indirect, Secondary  
 Severe, Major, Moderate, Minor, Not Significant

**Appendix K.5    Minor Refinements Consultation  
Covering Letter – Local Community**

30 July 2018

Dear Sir/Madam,

**UPDATE ON PROPOSED APPLICATION: Riverside Energy Park, Belvedere, South East London**

In June 2018 we sent you information about a consultation on Cory Riverside Energy's proposed application for Riverside Energy Park. That consultation ended on 30th July 2018.

As you may already be aware, the proposed Riverside Energy Park would be an integrated electricity generating station that would help convert more of London's waste into low carbon, renewable energy. It would include waste energy recovery (that uses non-recyclable waste as a fuel), anaerobic digestion (for local food and green waste), solar panels and battery storage.

Located next to our existing Riverside Resource Recovery Facility at Belvedere, the Energy Park would also incorporate on-site combined heat and power infrastructure with the potential to supply a local district heating network.

The proposed Energy Park would supply its power to the electricity network through a buried cable connection to Littlebrook in Dartford and would generate enough electricity to power approximately 140,000 homes. This connection will be provided by UK Power Networks (UKPN), which owns and maintains electricity networks across London.

We're now writing to inform you of some changes which are being made to the proposals and to provide you with an opportunity to comment on these changes.

Through developing the project, UKPN has identified some specific locations where it may require areas of additional land to that identified in the previous consultation, to enable the installation of the electrical connection. These changes only affect six specific areas along our proposed electrical connection route (between Belvedere and Dartford) and therefore we are writing to you again because you are near one of the new areas.

A map of the locations of the changes is included with this letter, shown as 'supplementary area'. In these areas, works may have to take place outside of the existing roads or utilise existing structures that were not considered necessary previously.

The new areas have resulted from ongoing engineering studies with UKPN and through further information we have received from the highway authorities of London Borough of Bexley and Kent County Council, which continued whilst we were undertaking our previous consultation.

Your address is in the vicinity of the land affected by these minor changes and we are therefore inviting you to view the new information and provide us with any comments you may have on these additions.

You can find out more information about these changes in our Supplementary Information Report. This Report provides any additional information that is required to understand what effects might occur from the changes and refers to our Preliminary Environmental Information Report (PEIR) which was available throughout our previous summer consultation and covers all aspects of our proposal.

The Supplementary Information Report is available on our website, as is a copy of the PEIR which we consulted on previously. Please visit [www.riversideenergypark.com/documents](http://www.riversideenergypark.com/documents).

If you are not able to access the internet, you can also contact us by phone (0330 838 4254) or post, to obtain copies of information about the changes.

Should you wish to respond on this additional information, you can do so from 31st July to 7th September 2018 (inclusive) and you can send us your responses at:

**Website:** [www.riversideenergypark.com](http://www.riversideenergypark.com)

**Email:** [info@riversideenergypark.com](mailto:info@riversideenergypark.com)

**Freepost:** FREEPOST RIVERSIDE ENERGY PARK

We look forward to hearing your views. You can contact us for further information by calling 0330 838 4254.

Yours sincerely,



**Richard Wilkinson**  
**Cory Environmental Holdings Limited**

**Appendix K.6    Twitter Post publicising the Minor Refinements Consultation**



**Cory Energy** @CoryEnergy · Aug 2



We've made some minor changes to the land areas we'll need for our proposed [#riversideenergypark](https://bit.ly/2OxxN1Z). You can find out more here: [bit.ly/2OxxN1Z](https://bit.ly/2OxxN1Z)  
Please submit any comments before 7th September. You can do so here: [bit.ly/2NSJxec](https://bit.ly/2NSJxec) [#RenewableEnergy](https://bit.ly/2NSJxec) [#WasteManagement](https://bit.ly/2NSJxec)

