# Major Project Engineering Justification Framework Template

ET3 NESO Driven Works EJP Template:

Summary Table:

|  |  |
| --- | --- |
| Title Section |  |
| **Name of Scheme** | Working title of the Scheme.  *This will be a meaningful name that relates to the investment proposed.* |
| **Investment Driver** | ESO Driven Works – Applicable Works  *Where there are multiple drivers, licensee should provide the list of works. In particular costs will be disaggregated and aligned to the drivers of works.* |
| **[NESO Review]** | ESO Comment: *If applicable.* |
| **BPDT/Scheme Reference Number** | This will include the licensees own referencing system.  *This will provide interaction with other projects which licensees are developing through their portfolio papers*. |
| **Outputs** | Please list all outputs to be delivered. |
| **Cost** | This is the total cost of the preferred option(s)  *This includes all cross-period funding requirements.* |
| **Delivery Year** | The year the scheme will be completed.  *If this is a staged programmed with multiple ACL dates, please provide the list and associated circuits which are commissioned.* |
| **Applicable Reporting Tables** | *Please list all applicable tables which have this scheme, including volumes and costs. Embedded tables allowed.* |
| **Historic Funding interactions** | Pease detail all interactive (either as direct named assets, or as portfolios) funding provided for works in RIIO ET1 and/or RIIO ET2.  Please highlight if there have been any deferrals of works  Please highlight any EAWOs associated with these works. |
| **Interactive Projects** | Please detail any projects which are directly interactive with this investment. *This includes existing and future ASTIs, MSIPs, LOTIs.*  Where applicable include any project references from the BDPT. |

*We expect the Spend apportionment table below to be merged with the summary table above, but have included separately for accessibility purposes.*

|  |  |
| --- | --- |
| Spend Apportionment (£m) |  |
| **ET2** |  |
| **ET3** |  |
| **ET4** |  |

1. Introduction (Expected word count- 1500):
   1. *A succinct summary of the detailed contained within the main text of the document as listed below.*
   2. *Will address the following as a minimum:*
      1. *Background to Investment*
      2. *Identification of primary driver(s)*
      3. *Timing of investment*
      4. *Uncertainties expected to be experienced.*
      5. *Outputs and delivery year*
2. Background Information
   1. *Narrative (expected word count – 1000)*
   2. *Will include completion of the following tables.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| System Design Table | Circuit/Project | Project Name Option 1 | Project Name Option 1a | Project Name Option 2 |
| **Thermal and Fault Design** | Existing Voltage (if applicable) |  |  |  |
| **Thermal and Fault Design** | New Voltage |  |  |  |
| **Thermal and Fault Design** | Existing Continuous Rating (if applicable) |  |  |  |
| **Thermal and Fault Design** | New Continuous Rating |  |  |  |
| **Thermal and Fault Design** | Existing Fault Rating (if applicable) |  |  |  |
| **Thermal and Fault Design** | New Fault Rating |  |  |  |
| **ESO Dispatchable Services** | Existing MVAR Rating (if applicable) |  |  |  |
| **ESO Dispatchable Services** | New MVAR Rating (if applicable) |  |  |  |
| **ESO Dispatchable Services** | Existing GVA.s Rating (if applicable) |  |  |  |
| **ESO Dispatchable Services** | New GVA.s Rating |  |  |  |
| **System Requirements** | Present Demand (if applicable) MVA |  |  |  |
| **System Requirements** | 2050 Future Demand MVA |  |  |  |
| **System Requirements** | Present Generation (if applicable) MVA |  |  |  |
| **System Requirements** | Future Generation Count (direct connections) |  |  |  |
| **System Requirements** | Future Generation Capacity (licensee forecast) MVA |  |  |  |
| **Initial Design Considerations** | Limiting Factor |  |  |  |
| **Initial Design Considerations** | AIS/ GIS |  |  |  |
| **Initial Design Considerations** | Busbar Design |  |  |  |
| **Initial Design Considerations** | Cable/ OHL/ Mixed |  |  |  |
| **Initial Design Considerations** | Strategic Investment |  |  |  |

* 1. *Will include completion of the following tables.*
     1. *Asset Health information (for assets either to be replaced, extended or those which are interactive, including remote ends)*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Asset | Present health | Future health (8 years) | Future Health (20 years) | Risk | Main Health Drivers | Comments |
|  |  |  | **Primary Plant** |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  | **Wound Plant** |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  | **Routes** |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  | **Secondary Plant** |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  | **Civils** |  |  |  |
|  |  |  |  |  |  |  |

1. Optioneering
   1. *Narrative (expected word count – 1000)*
   2. *Will include the completion of the following table (Formatting at the licensees digression).* 
      1. *Cells may reference appendices where drawings and other information is contained.*
      2. *EJP may include further appendices to support the submission, where pertinent and proportional to the funding request.*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Options | Map | Layout of Substation/ Connection | Layout of all Route Works | Relevant Survey Works | Narrative Consenting Risks (if applicable) | Narrative Preferred Option | Narrative Rejection |
| **Preferred** |  |  |  |  |  |  |  |
| **Rejected 1** |  |  |  |  |  |  |  |
| **Rejected 2** |  |  |  |  |  |  |  |

1. Cost
   1. *Narrative supporting cost drivers (expected word count- 1000)*
   2. *Scope overview (no word count)*
   3. *BoQ*
   4. *EAWO*
2. Deliverability
   1. *Narrative (Expected word count - 1000)*
   2. *Previous funding overview (no word count)*
      1. *This includes any requested funding applicable to assets interactive with the site strategy.*
      2. *This includes any assets recently intervened on the site within the last 2 regulatory periods, including the cost and short scope description.*
   3. *Programme (P6 or MSProject)*
3. Conclusion
   1. *Overview*
   2. *Control Request (if required)*
4. Appendices:
   1. *Relevant drawings*
   2. *Cost breakdown/further information (as required)*
   3. *Other Supporting Information*