RIN Section	Requirement	Regulatory Proposal reference	RIN template reference	Supporting documentation reference	Comments
1	**Provide information**				
1.1	**Provide the information required in each *regulatory template* in the Microsoft Excel Workbook 1 - *Regulatory determination* , Workbook 2 - *New CY historical and Workbook 07 - indicative Bill impact* , completed in accordance with:**				
1.1 (a)	this *notice;*		UE RIN 001 - Workbook 1 - Forecast templates - Jan2020 - Public UE RIN 002 - Workbook 2 - New CY historical - Jan2020 - Public UE RIN 007 - Workbook 07 - Indicative Bill impact - Jan2020 - Public		
1.1 (b)	the instructions in the relevant Microsoft Excel Workbook attached at Appendix A;		UE RIN 001 - Workbook 1 - Forecast templates - Jan2020 - Public UE RIN 002 - Workbook 2 - New CY historical - Jan2020 - Public UE RIN 007 - Workbook 07 - Indicative Bill impact - Jan2020 - Public		
1.1 (c)	the instructions in Appendix E;		UE RIN 001 - Workbook 1 - Forecast templates - Jan2020 - Public UE RIN 002 - Workbook 2 - New CY historical - Jan2020 - Public UE RIN 007 - Workbook 07 - Indicative Bill impact - Jan2020 - Public		
1.1 (d)	the service classifications set out in the framework and approach paper for the forthcoming regulatory control period; and		UE RIN 001 - Workbook 1 - Forecast templates - Jan2020 - Public UE RIN 002 - Workbook 2 - New CY historical - Jan2020 - Public UE RIN 007 - Workbook 07 - Indicative Bill impact - Jan2020 - Public		
1.1 (e)	United Energy's cost allocation method for the forthcoming regulatory control period		UE RIN 001 - Workbook 1 - Forecast templates - Jan2020 - Public UE RIN 002 - Workbook 2 - New CY historical - Jan2020 - Public UE RIN 007 - Workbook 07 - Indicative Bill impact - Jan2020 - Public		
1.2	Provide the information required in each regulatory template in the Microsoft Excel Workbook 8 – Historical FY category analysis, Workbook 9 – Historical FY annual reporting and Workbook 10 – Historical FY economic benchmarking, completed in accordance with				
1.2(a)	this notice;		UE RIN008 - Workbook 8 – Historical FY CAT - Jan2020 - Public UE RIN009 - Workbook 9 – Historical FY Annual - Jan2020 - Public UE RIN010 - Workbook 10 – Historical FY EB - Jan2020 - Public		
1.2(b)	the instructions in the relevant Microsoft Excel Workbook attached at Appendix A;		UE RIN008 - Workbook 8 – Historical FY CAT - Jan2020 - Public UE RIN009 - Workbook 9 – Historical FY Annual - Jan2020 - Public UE RIN010 - Workbook 10 – Historical FY EB - Jan2020 - Public		

1.2(c)	the instructions in Appendix E; and		UE RIN008 - Workbook 8 – Historical FY CAT - Jan2020 - Public UE RIN009 - Workbook 9 – Historical FY Annual - Jan2020 - Public UE RIN010 - Workbook 10 – Historical FY EB - Jan2020 - Public		
1.2(d)	the definitions which applied when the data was previously provided to the AER.		UE RIN008 - Workbook 8 – Historical FY CAT - Jan2020 - Public UE RIN009 - Workbook 9 – Historical FY Annual - Jan2020 - Public UE RIN010 - Workbook 10 – Historical FY EB - Jan2020 - Public		
1.3	**Provide the information required in each *regulatory template* in the Microsoft Excel Workbook 5 - EBSS, and Workbook 6 - CESS, completed in accordance with:**				
1.3(a)	this *notice;*		UE RIN005 - Workbook 5 - EBSS - Jan2020 - Public UE RIN006 - Workbook 6 - CESS - Jan2020 - Public		
1.3(b)	the instructions in the relevant Microsoft Excel Workbook attached at Appendix A;		UE RIN005 - Workbook 5 - EBSS - Jan2020 - Public UE RIN006 - Workbook 6 - CESS - Jan2020 - Public		
1.3(c)	the instructions in Appendix E;		UE RIN005 - Workbook 5 - EBSS - Jan2020 - Public UE RIN006 - Workbook 6 - CESS - Jan2020 - Public		
1.3 (d)	the service classifications that applied in each *regulatory year;* and		UE RIN005 - Workbook 5 - EBSS - Jan2020 - Public UE RIN006 - Workbook 6 - CESS - Jan2020 - Public		
1.3(e)	United Energy's cost allocation method that applied in each regulatory year		UE RIN005 - Workbook 5 - EBSS - Jan2020 - Public UE RIN006 - Workbook 6 - CESS - Jan2020 - Public		
1.4	**If:**				
1.4 (a)	United Energy's cost allocation method has changed during the current regulatory control period, or		UE RIN003 - Workbook 3 – Recast CAT - Jan2020 - Public UE RIN004 - Workbook 4 – Recast EB - Jan2020 - Public		
1.4 (b)	United Energy's service classifications have changed from the current regulatory control period, or		UE RIN003 - Workbook 3 – Recast CAT - Jan2020 - Public UE RIN004 - Workbook 4 – Recast EB - Jan2020 - Public		
1.4 (c)	*United Energy's proposes to divert from the service classifications set out in the relevant framework and approach paper, or*		UE RIN003 - Workbook 3 – Recast CAT - Jan2020 - Public UE RIN004 - Workbook 4 – Recast EB - Jan2020 - Public		
1.4 (d)	*United Energy proposes to change its cost allocation method for the forthcoming regulatory control period; such that there would be material changes to information previously submitted to the AER, United Energy must revise any historical information previously submitted to the AER under either the annual Category Analysis or the Economic Benchmarking RIN*		UE RIN003 - Workbook 3 – Recast CAT - Jan2020 - Public UE RIN004 - Workbook 4 – Recast EB - Jan2020 - Public	UE ATT124 - Cost Allocation Method - Jan2020 - Public	
1.5	***United Energy must report information revised in accordance with paragraph 1.2 (Revised Information) in the following manner:***				
1.5 (a)	*Use Workbook 3 – Recast category analysis and Workbook 4 – Recast economic benchmarking attached at Appendix A to submit the information to the AER*		UE RIN003 - Workbook 3 – Recast CAT - Jan2020 - Public UE RIN004 - Workbook 4 – Recast EB - Jan2020 - Public		
1.5 (b)	*Report all Revised Information in the relevant table in the regulatory templates*		UE RIN003 - Workbook 3 – Recast CAT - Jan2020 - Public UE RIN004 - Workbook 4 – Recast EB - Jan2020 - Public		

1.5 (c)	*Where Revised Information in one table causes a change to information in another table, regardless of whether that other change is a material change, report that change in the relevant table*		UE RIN003 - Workbook 3 – Recast CAT - Jan2020 - Public UE RIN004 - Workbook 4 – Recast EB - Jan2020 - Public		
1.5 (d)	*When reporting any change in any table in a regulatory template, include within that table all information that remains unchanged from that previously reported to the AER*		UE RIN003 - Workbook 3 – Recast CAT - Jan2020 - Public UE RIN004 - Workbook 4 – Recast EB - Jan2020 - Public		
1.6	**For all information, other than forecast information, provide in accordance with this notice and the instructions in Appendix E, a basis of preparation demonstrating how United Energy has complied with this notice in respect of:**				
1.6 (a)	the information in each *regulatory template* in the Microsoft Excel Workbooks attached at Appendix A; and			UE RIN014 - Basis of preparation - Jan2020 - Public	
1.6 (b)	the information prepared in accordance with the following requirements in Schedule 1 of this *notice:*			UE RIN014 - Basis of preparation - Jan2020 - Public	
(i)	paragraph 5.1(a)(ii);			UE RIN014 - Basis of preparation - Jan2020 - Public	
(ii)	paragraph 5.1(b);			UE RIN014 - Basis of preparation - Jan2020 - Public	
(iii)	paragraph 7.5;			UE RIN014 - Basis of preparation - Jan2020 - Public	
(iv)	paragraph 12 (12.4, 12.5, 12.6 and 12.7);			UE RIN014 - Basis of preparation - Jan2020 - Public	
(v)	paragraph13.2;			UE RIN014 - Basis of preparation - Jan2020 - Public	
(vi)	paragraph 14;			UE RIN014 - Basis of preparation - Jan2020 - Public	
(vii)	paragraph 15;			UE RIN014 - Basis of preparation - Jan2020 - Public	
(viii)	paragraph 24 (24.1, 24.2, 24.4);			UE RIN014 - Basis of preparation - Jan2020 - Public	
(i)	paragraph 25 (25.1(a) and 25.2); and			UE RIN014 - Basis of preparation - Jan2020 - Public	
(x)	paragraph 26 (26.5, 26.6 and 26.8).			UE RIN014 - Basis of preparation - Jan2020 - Public	
1.7	**Provide material used for the purposes of preparing the *regulatory proposal* :**				
1.7 (a)	all consultants' reports commissioned and relied upon in whole or in part;	United Energy - Regulatory Proposal - A1 Attachments list			
1.7 (b)	all *material* assumptions relied upon;			UE ATT106 - Certification of key assumptions - Jan2020 - Public	
1.7 (c)	a table that references each response to a paragraph in this Schedule 1 and where it is provided in or as part of the *regulatory proposal* ;			UE RIN015 - RIN schedule 1 matrix	
1.7 (d)	a table that references each document provided in or as part of the *regulatory proposal* and its relationship to other documents provided; and	United Energy - Regulatory Proposal - A1 Attachments list			
1.7 (e)	each document identified in paragraph 1.5 (d) must be given a meaningful filename in the form:				Noted
	United Energy - [Author] - [title] - [date] - [public/confidential], where:				Noted
(i)	Author is the author of the file if not United Energy for example a consultant or other third party;				Noted
(ii)	**Title** provides a meaningful description of the content of document, with limited reliance on acronyms or cross references, for example "Appendix 1A" is not meaningful, but :Appendix 1A - Cost allocation method" is;				Noted
(iii)	**Date** is a relevant date associated with the file, generally the date the document was created;				Noted
(iv)	**Public/confidential** identifies if the file in its entirety can be published (public); or if it contains any information which is the subject of a claim for confidentiality in accordance with paragraph 34 of this notice (confidential).				Noted

1.8	**Provide for each material assumption identified in the response to paragraph 1.5 (b):**				
1.8 (a)	its source or basis;			UE ATT106 - Certification of key assumptions - Jan2020 - Public	
1.8 (b)	if applicable, its quantum;			UE ATT106 - Certification of key assumptions - Jan2020 - Public	
1.8 (c)	whether and how the assumption has been applied and was taken into account; and			UE ATT106 - Certification of key assumptions - Jan2020 - Public	
1.8 (d)	the effect or impact of the assumption on the capital and operating expenditure forecasts in the *forthcoming regulatory control period* taking into account: and			UE ATT106 - Certification of key assumptions - Jan2020 - Public	
(i)	the actual expenditure incurred during the current *regulatory control period* ; and			UE ATT106 - Certification of key assumptions - Jan2020 - Public	
(ii)	the sensitivity of the forecast expenditure to the assumption			UE ATT106 - Certification of key assumptions - Jan2020 - Public	
1.9	**Provide reconciliation of the capital and operating expenditure forecasts provided in the regulatory templates to the proposed capital and operating allowances in the post-tax revenue model for the forthcoming regulatory control period**		UE RIN01 - Reset RIN forecast templates - Jan2020 - Public	UE MOD 10.05 - Consolidated capex - Jan2020 - Public UE MOD 10.06 - Opex - Jan2020 - Public UE MOD 10.02 - PTRM 2021-26 - Jan2020 - Public	Capital expenditure for the forthcoming regulatory control period is sourced from the consolidated capex model. The model maps function/material code forecasts to the functional (reset RIN) and PTRM capital expenditure categories using a mapping table. It is also checks that the totals reconcile. Operating expenditure for the forthcoming regulatory control period is sourced from the consolidated opex model. The model builds up the operating expenditure forecast using the AER's standard base-step-trend approach. This model is used to populate both the reset RIN templates and the PTRM, and hence the values reconcile.
1.10	**Where the regulatory proposal varies or departs from the application of any component or parameter of the capital efficiency sharing scheme, efficiency benefit sharing scheme, demand management incentive scheme or service target performance incentive scheme as set out in the framework and approach paper, for each variation or departure explain:**				Our regulatory proposal does not vary or depart from the application of any component or parameter of the capital efficiency sharing scheme, efficiency benefit sharing scheme, service target performance incentive scheme or demand management incentive scheme as set out in the framework and approach paper.
1.10 (a)	the reasons for the variation or departure, including why it is appropriate;	United Energy - Regulatory proposal - Chapter 10 - Revenue Requirement			
1.10 (b)	how the variation or departure aligns with the objectives of the relevant scheme; and	United Energy - Regulatory proposal - Chapter 10 - Revenue Requirement			
1.10 (c)	how the proposed variation or departure will impact the operation of the relevant scheme	United Energy - Regulatory proposal - Chapter 10 - Revenue Requirement			
2	**CLASSIFICATION OF SERVICES**				
2.1	**Identify each proposed service classification in the regulatory proposal which departs from a service classification set out in the framework and approach paper and explain**				Our regulatory proposal does not depart from the service classification set out in the Framework and Approach paper
2.1 (a)	the reasons for the departure, including why the proposed service classification is more appropriate; and				Not applicable
2.1 (b)	how service will differ under the proposed service classification in comparison to that in the framework and approach paper				Not applicable
2.2	**If the proposed service classifications in the regulatory proposal depart from any of the service classifications set out in the framework and approach paper**				Not applicable

2.2 (a)	provide, in a second set of regulatory templates, all information required in each regulatory template in accordance with the instructions contained therein, modified as necessary, to incorporate the proposed service classifications; and				Not applicable
2.2 (b)	identify and explain where the regulatory templates differ				Not applicable
3	**CONTROL MECHANISMS**				
3.1	**For the forecast revenues that United Energy proposes to recover from providing direct control services over the forthcoming regulatory control period provide:**				
3.1 (a)	formulaic expressions for the basis of control mechanisms for standard control services and for alternative control services; and			UE APP08 - Price control formula - Jan2020 - Public	
3.1 (b)	a detailed explanation and justification for each component that makes up the formulaic expression			UE APP08 - Price control formula - Jan2020 - Public	
3.2	**Also demonstrate:**				
3.2 (a)	how United Energy considers the control mechanisms are compliant with the framework and approach paper; and			UE APP08 - Price control formula - Jan2020 - Public	F&A paper control mechanisms no longer relevant due to the six-month extension. Our proposed control mechanisms are consistent with preliminary AER views on how the control mechanisms will work.
3.2 (b)	for standard control services, how United Energy considers the control mechanisms are also compliant with clause 6.2.6 and Part C of Chapter 6 of the NER	United Energy - Regulatory proposal - Chapter 10 - Revenue Requirement			Our proposed control mechanisms are compliant with clause 6.2.6 and Part C of the National Electricity Rules
Expenditure Reporting					
4	**Capital Expenditure**				
General					
4.1	**Provide justification for United Energy's total forecast capex, including the following information**				
4.1 (a)	why the total forecast capex is required for United Energy to achieve each of the objectives in clause 6.5.7(a) of the NER;			UE RIN013 - Expenditure factors and criteria - Jan2020 - Public	
4.1 (b)	how United Energy's total forecast capex reasonably reflects each of the criteria in clause 6.5.7(c) of the NER;			UE RIN013 - Expenditure factors and criteria - Jan2020 - Public	
4.1 (c)	how United Energy's total forecast capex accounts for the factors in clause 6.5.7(e) of the NER;			UE RIN013 - Expenditure factors and criteria - Jan2020 - Public	
4.1 (d)	an explanation of how the plans, policies, procedures and regulatory obligations or requirements identified in Workbook 1 – Regulatory determination, regulatory templates 7.1 and 7.3 have been used to develop forecast capex; and			UE RIN013 - Expenditure factors and criteria - Jan2020 - Public	
4.1 (e)	an explanation of how each response provided to paragraph 4.1 (a) to (d) is reflected in any increase or decrease in expenditures or volumes, particularly between the current and forthcoming regulatory control periods, provided in Workbook 1 – Regulatory determination, regulatory templates 2.1 to 2.11			UE RIN013 - Expenditure factors and criteria - Jan2020 - Public	
4.2	**Provide the model(s) and methodology United Energy used to develop its total forecast capex, including:**				

4.2 (a)	A description of how United Energy prepared the forecast capex, including:				
(i)	how its preparation differed or related to budgetary, planning and governance processes used in the normal operation of United Energy's business				The preparation of our capital expenditure forecast is consistent with the budgetary, planning and governance processes used in the operation of our business.
(ii)	the processes for ensuring amounts are free of error and other quality assurance steps; and				Rigorous checks were made to the forecasts, including reviews by subject matter experts, senior managers and the executive management, as well as other quality assurance steps to ensure the amounts are free from error.
(iii)	if and how United Energy considered the resulting amounts, when translated into price impacts, were in the long term interest of consumers				The forecasts are consistent with the requirements for prudency and efficiency of capital expenditure, and thus when the resulting amounts are translated into the estimated impact on the future electricity bill of customers, any price increases are minimised to ensure the expenditure is in the long term interests of customers.
4.2 (b)	any source material used (including models, documentation or any other items containing quantitative data); and	United Energy - Regulatory Proposal - A1 Attachments list			We have included all source material in the attachments list which forms part of our regulatory proposal
4.2 (c)	calculations that demonstrate how data from the source material has been manipulated or transformed to generate data provided in the regulatory templates in Workbook 1 – Regulatory determination	United Energy - Regulatory proposal - chapters 4 - 10 United Energy - Regulatory proposal - A1 Attachments list			How source material has been used is detailed in individual business cases supporting our regulatory proposals or in the chapters themselves of the regulatory proposals in the section 'Our forecasting approach'.
4.3	**Identify which items of United Energy's forecast capex are:**				
4.3 (a)	derived directly from competitive tender processes;	United Energy - Regulatory proposal - capital expenditure chapters 4 - 8			How cost estimates have been derived for capital expenditure is set out in the 'Our forecasting approach' in the final section of each of the capital expenditure chapters 4 to 8
4.3 (b)	based upon competitive tender processes for similar projects;	United Energy - Regulatory proposal - capital expenditure chapters 4 - 8			How cost estimates have been derived for capital expenditure is set out in the 'Our forecasting approach' in the final section of each of the capital expenditure chapters 4 to 8
4.3 (c)	based upon estimates obtained from contractors or manufacturers;	United Energy - Regulatory proposal - capital expenditure chapters 4 - 8			How cost estimates have been derived for capital expenditure is set out in the 'Our forecasting approach' in the final section of each of the capital expenditure chapters 4 to 8
4.3 (d)	based upon independent benchmarks;	United Energy - Regulatory proposal - capital expenditure chapters 4 - 8			How cost estimates have been derived for capital expenditure is set out in the 'Our forecasting approach' in the final section of each of the capital expenditure chapters 4 to 8
4.3 (e)	based upon actual historical costs for similar projects; and	United Energy - Regulatory proposal - capital expenditure chapters 4 - 8			How cost estimates have been derived for capital expenditure is set out in the 'Our forecasting approach' in the final section of each of the capital expenditure chapters 4 to 8
4.3 (f)	reflective of any amounts for risk, uncertainty or other unspecified contingency factors, and if so, how these amounts were calculated and deemed reasonable and prudent	United Energy - Regulatory proposal - capital expenditure chapters 4 - 8			How cost estimates have been derived for capital expenditure is set out in the 'Our forecasting approach' in the final section of each of the capital expenditure chapters 4 to 8
4.4	**Provide all documents which were materially relied upon and relate to the deliverability of forecast capex and explain the proposed deliverability**	United Energy - Regulatory proposal - capital expenditure chapters 4 - 8		UE ATT007 - IT deliverability plan - Jan2020 - Public	Deliverability is discussed in the capital expenditure chapters 4 - 8 of the regulatory proposal. IT deliverability plan is provided as an attachment.
Capex categories					

4.5	**Describe each capex category and expenditures comprising these categories identified in the regulatory templates, including:**				
4.5 (a)	key drivers for expenditure;			UE RIN08 - Expenditure factors and criteria - Jan2020 - Public	
4.5 (b)	an explanation of how expenditure is distinguished between:			UE RIN08 - Expenditure factors and criteria - Jan2020 - Public	
(i)	greenfield driven and reinforcement driven augmentation capex;			UE RIN08 - Expenditure factors and criteria - Jan2020 - Public	
(ii)	connections expenditure and augmentation capex;			UE RIN08 - Expenditure factors and criteria - Jan2020 - Public	
(iii)	replacement capex driven by condition and asset replacements driven by other drivers (e.g. the need for greenfield or reinforcement driven augmentation capex); and			UE RIN08 - Expenditure factors and criteria - Jan2020 - Public	
(iv)	any other capex category or opex category where United Energy considers that there is reasonable scope for ambiguity in categorisation			UE RIN08 - Expenditure factors and criteria - Jan2020 - Public	
5	**REPLACEMENT CAPITAL EXPENDITURE MODELLING**				
5.1	**In relation to information provided in Workbook 1 – Regulatory determination, regulatory template 2.2 and with respect to the AER's repex model, provide:**				
5.1 (a)	For individual asset categories in each asset group set out in the regulatory templates, provide in a separate document:				
(i)	a description of the asset category, including:			UE RIN016 - Repex RIN response - Jan2020 - Public	
(i) (A)	the assets included and any boundary issues (i.e. with other asset categories);			UE RIN016 - Repex RIN response - Jan2020 - Public	
(i) (B)	an explanation of how these matters have been accounted for in determining quantities in the age profile;			UE RIN016 - Repex RIN response - Jan2020 - Public	
(i) (C)	an explanation of the main drivers for replacement (e.g. condition); and			UE RIN016 - Repex RIN response - Jan2020 - Public	
(i) (D)	an explanation of whether the replacement unit cost provides for a complete replacement of the asset, or some other activity, including an extension of the asset's life (e.g. pole staking) and whether the costs of this extension or other activity are capitalised or not			UE RIN016 - Repex RIN response - Jan2020 - Public	
(ii)	an estimate of the proportion of assets replaced for each year of the current regulatory control period, due to:			UE RIN016 - Repex RIN response - Jan2020 - Public	
(ii) (A)	aging of existing assets (e.g. condition, obsolesce, etc.) that should be largely captured by this form of replacement modelling			UE RIN016 - Repex RIN response - Jan2020 - Public	
(ii) (B)	replacements due to other factors (and a description of those factors)			UE RIN016 - Repex RIN response - Jan2020 - Public	
(ii) (C)	additional assets due to the augmentation, extension, development of the network; and			UE RIN016 - Repex RIN response - Jan2020 - Public	
(ii) (D)	additional assets due to other factors (and a description of those factors)			UE RIN016 - Repex RIN response - Jan2020 - Public	
(b)	For the previous, current and forthcoming regulatory control periods, explain the drivers or factors that have changed network replacement expenditure requirements. Identify and quantify the relative effect of individual matters within the following categories:			UE RIN016 - Repex RIN response - Jan2020 - Public	
(i)	rules, codes, licence conditions, statutory requirements;			UE RIN016 - Repex RIN response - Jan2020 - Public	

(ii)	internal planning and asset management approaches;			UE RIN016 - Repex RIN response - Jan2020 - Public	
(iii)	measurable asset factors that affect the need for expenditure in this category (e.g. age profiles, risk profiles, condition trend, etc.). Identify and quantify individual factors;			UE RIN016 - Repex RIN response - Jan2020 - Public	
(iv)	the external factors that can be forecast and the outcome measured (e.g. demand growth, customer numbers) that affect the need for expenditure in this category. Identify and quantify individual factors, covering the forecasts and the outcome (external factors to be discussed here do not relate to changing obligations which are covered in paragraphs 10.3 and 10.8);			UE RIN016 - Repex RIN response - Jan2020 - Public	
(v)	technology/solutions to address needs, covering:			UE RIN016 - Repex RIN response - Jan2020 - Public	
(v) (A)	network; and			UE RIN016 - Repex RIN response - Jan2020 - Public	
(v) (B)	non-network			UE RIN016 - Repex RIN response - Jan2020 - Public	
(vi)	any other significant matters			UE RIN016 - Repex RIN response - Jan2020 - Public	
(vii)	Identify and provide information or documentation to justify and support any responses to paragraph 5.1(b) (i)-(vi)			UE RIN016 - Repex RIN response - Jan2020 - Public	
The information provided in response to paragraph 5.1(b) above					
6	**CONNECTIONS EXPENDITURE**				
6.1	**Provide and describe the methodology and assumptions used to prepare the forecasts of connection works including**	United Energy - Regulatory proposal - Chapter 5 - Connections, section 5.2 Our forecasting approach		UE MOD 5.01 - Connections capex - Jan2020 - Public	
6.1 (a)	Estimation of connection unit costs for each customer type; and	United Energy - Regulatory proposal - Chapter 5 - Connections, section 5.2 Our forecasting approach		UE MOD 5.01 - Connections capex - Jan2020 - Public	
6.1 (b)	Connection volumes for each customer type	United Energy - Regulatory proposal - Chapter 5 - Connections, section 5.2 Our forecasting approach		UE MOD 5.01 - Connections capex - Jan2020 - Public	
6.2	**United Energy must provide its estimation of customer contributions based upon the estimated life and revenue to be recovered from connection assets, including:**	United Energy - Regulatory proposal - Chapter 5 - Connections, section 5.2 Our forecasting approach			
6.2 (a)	the expected life of the connection;	United Energy - Regulatory proposal - Chapter 5 - Connections, section 5.2 Our forecasting approach		UE ATT033 - Connections policy - Jan2020 - Public, section 3.2	The customer contribution forecast is based on historical ratios (see chapter 5 of our regulatory proposal and connections model). The way we apply connection lives is outlined in the connections policy.
6.2 (b)	the average consumption expected by the customer over the life of the connection; and	United Energy - Regulatory proposal - Chapter 5 - Connections, section 5.2 Our forecasting approach		UE ATT033 - Connections policy - Jan2020 - Public, section 3.2	The customer contribution forecast is based on historical ratios (see chapter 5 of our regulatory proposal and connections model). The way we apply connection lives is outlined in the connections policy.
6.2 (c)	any other factors that influence the expected recovery of the United Energy network use of system charge to customers			UE ATT033 - Connections policy - Jan2020 - Public, section 3.2	
7	**NON-NETWORK ALTERNATIVES**				
7.1	**Identify the policies and strategies and procedures in the response to Workbook 1 – Regulatory determination, regulatory template 7.1 which relate to the selection of efficient non-network solutions**			UE ATT003 - Demand side engagement - Jul2019 - Public UE ATT002 - DAPR 2019 - Dec2019 - Public	

7.2	**Explain the extent to which the provision for efficient non-network alternatives has been considered in the development of the forecast capex proposal and the forecast opex proposal**			UE BUS 9.02 - Lower Mornington Peninsula demand management - Jan2020 - Public UE BUS 9.03 - Feeder demand management - Jan2020 - Public UE BUS 9.04 - Cranbourne terminal station - Jan2020 - Public	Business cases consider non-network solutions as part of the option analysis. A non-network solution will be recommended when it is the most efficient option that addresses the identified need. Where additional non-network solutions are identified, the capital and operating expenditure forecasts are adjusted accordingly. Three of our business cases propose non-network solutions as the preferred option.
7.3	**Identify each non-network alternative that United Energy has:**				
7.3 (a)	commenced during the current regulatory control period; and	United Energy - Regulatory proposal - Chapter 3 - Our energy future, section 3.2.3	UE RIN017 - Non-network alternatives - Jan2020 - Public		Please refer to attached spreadsheet on our non-recurrent alternatives in the current and forecast period.
7.3 (b)	selected to commence during, or will continue into, the forthcoming regulatory control period		UE RIN017 - Non-network alternatives - Jan2020 - Public		
7.4	**For each non-network alternative identified in the response to paragraph 8.3, provide a description, including cost and location**		UE RIN017 - Non-network alternatives - Jan2020 - Public		
7.5	**Provide, for each year of the current regulatory control period, and for the forthcoming regulatory control period, details of each payment made, or expected to be made, by United Energy to an Embedded Generator in reflection of any costs avoided by deferring augmentation of:**				
7.5 (a)	United Energy's distribution network; or			UE BUS 9.02 - Lower Mornington Peninsula demand management - Jan2020 - Public	No specific Embedded generator payments are planned for non network-alternatives, however, future demand management prgrams may include payments to embedded generation.
7.5 (b)	the relevant transmission network			UE BUS 9.04 - Cranbourne terminal station - Jan2020 - Public	No specific Embedded generator payments are planned for non network-alternatives, however, future demand management prgrams may include payments to embedded generation.
8	**FORECAST INPUT PRICE CHANGES**				
8.1	**Provide, in Workbook 1 – Regulatory determination, regulatory template CPI series, the CPI series and index used by United Energy in its forecast capex proposal and also the CPI series and index used by United Energy in its forecast opex proposal**		UE RIN001 - Workbook 1 - Forecast template - Jan2020 - Public		
8.2	**Provide, in Workbook 1 – Regulatory determination, regulatory template 2.14, the capex and opex price changes assumed by United Energy in its forecast capex proposal and the forecast opex proposal. All price changes must be expressed in percentage year on year real terms**		UE RIN001 - Workbook 1 - Forecast template - Jan2020 - Public		
8.3	**Provide:**				
(a)	the model(s) used to derive and apply the materials price changes, including model(s) developed by a third party;				Not applicable - we are applying no materials escalator for the forecast period
(b)	in relation to labour escalators, a copy of the current Enterprise Bargaining Agreement or equivalent agreement; and				We have not used Enterprise Bargaining Agreements to escalate labour costs. Current aggreements are available here: https://www.fwc.gov.au/documents/documents/agreements/fwa/ae423130.pdf https://www.fwc.gov.au/documents/documents/agreements/fwa/ae423370.pdf

(c)	documents supporting or relied upon that explain the change in the price of goods and services purchased by United Energy, including evidence that any materials price forecasting method explains the price of materials previously purchased by United Energy				Not applicable - we are applying no materials escalator for the forecast period
8.4	**Provide also an explanation of :**				
(a)	the methodology underlying the calculation of each price change, including:			UE ATT014 - BIS - Labour escalation - Apr2019 - Public UE ATT013 - Frontier - Opex input weights - Mar2019 - Public UE MOD 9.02 - Rate of change - Jan2020 - Public	
(i)	sources;			UE ATT014 - BIS - Labour escalation - Apr2019 - Public UE ATT013 - Frontier - Opex input weights - Mar2019 - Public UE MOD 9.02 - Rate of change - Jan2020 - Public	
(ii)	data conversions;			UE ATT014 - BIS - Labour escalation - Apr2019 - Public UE ATT013 - Frontier - Opex input weights - Mar2019 - Public UE MOD 9.02 - Rate of change - Jan2020 - Public	
(iii)	the operation of any model(s) provided under paragraph 8.3(a); and				Not applicable - we are applying no materials escalator for the forecast period
(iv)	the use of any assumptions such as lags or productivity gains			UE ATT014 - BIS - Labour escalation - Apr2019 - Public UE ATT013 - Frontier - Opex input weights - Mar2019 - Public UE MOD 9.02 - Rate of change - Jan2020 - Public	
(b)	whether the same price changes have been used in developing both the forecast capex proposal and forecast opex proposal; and				For both opex and capex, we escalate labour using Electricity Gas Water and Waste Services wage price index (WPI) and apply no materials escalation. For capex only, we escalate contracts using the Construction sector WPI.
(c)	if the response to paragraph 9.4(b) is negative, why it is appropriate for different expenditure escalators to apply				For opex we have applied the AER's recent approach of segmenting cost inputs into labour and non-labour. For capex we have segmented costs into three inputs, labour, materials and contracts, reflecting the approach accepted by the AER in our 2016-2020 regulatory determination. Our contracted capital services primarily include electrical construction and civil works. The Australian Bureau of Statistics' WPI for the construction sector most closely reflect the types of labour skills required to deliver these contracted services.
8.5	**If an agreement provided in response to paragraph 9.3(b) is due to expire during the forthcoming regulatory control period, explain the progress and outcomes of any negotiations to date to review and replace the current agreement**				We have not used Enterprise Bargaining Agreements to escalate labour costs. We plan to renegotiate our EBAs in 2020.
9	**OPERATING AND MAINTENANCE EXPENDITURE**				
Total forecast operating and maintenance expenditure (opex)					
9.1	**Provide:**				
(a)	the model(s) and the methodology United Energy used to develop total forecast opex;	United Energy - Regulatory proposal - Chapter 9 Operating expenditure		UE MOD 10.06 - Opex - Jan2020 - Public UE MOD 9.02 - Rate of change - Jan2020 - Public UE MOD 9.01 - Step changes - Jan2020 - Public	We have applied the base-trend-step approach. Further information is available in our regulatory proposal and supporting models.
(b)	justification for United Energy's total forecast opex, including:	United Energy - Regulatory proposal - Chapter 9 Operating expenditure			

(i)	why the proposed total forecast opex is required for United Energy to achieve each of the objectives in clause 6.5.6(a) of the NER;	United Energy - Regulatory proposal - Chapter 9 Operating expenditure			
(ii)	how United Energy's total forecast opex reasonably reflects each of the criteria in clause 6.5.6(c) of the NER; and	United Energy - Regulatory proposal - Chapter 9 Operating expenditure			
(iii)	how United Energy's total forecast opex accounts for the factors in clause 6.5.6(e) of the NER	United Energy - Regulatory proposal - Chapter 9 Operating expenditure			
9.2	**Provide:**				
(a)	the quantum of non-recurrent opex for each year of the forthcoming regulatory control period; and				Not applicable - all proposed step changes are recurrent in nature
(b)	an explanation of the driver of each non-recurrent opex item.				Not applicable - all proposed step changes are recurrent in nature
9.3	**If United Energy used a revealed cost base year approach to develop its total forecast opex proposal, provide:**				
(a)	in Microsoft Excel format, reconciliation (including all calculations and formulae) of United Energy's forecast total opex proposal to forecast standard control services opex and dual function assets opex by opex driver in Workbook 1 – Regulatory determination, regulatory template 2.16, tables 2.16.1 and 2.16.3;		UE RIN001 - Workbook 1 - Forecast template - Jan2020 - Public		
(b)	the base year United Energy used; and	United Energy - Regulatory proposal - Chapter 9 Operating expenditure	UE RIN001 - Workbook 1 - Forecast template - Jan2020 - Public, template 2.16.1	UE MOD 10.06 - Opex - Jan2020 - Public	We have used the 2019 calender year as our efficient base operating expenditure.
(c)	explanation and justification for why that base year represents efficient and recurrent costs.	United Energy - Regulatory proposal - Chapter 9 Operating expenditure			
9.4	**If United Energy does not use a revealed cost base year approach to develop its total forecast provide:**				
(a)	orecast expenditure by opex category in Workbook 1 – Regulatory determination, regulatory template 2.16 for standard control services opex and dual function asset opex in tables 2.16.2 and 2.16.4;				Not applicable
(b)	in Microsoft Excel format, reconciliation (including all calculations and formulae) of United Energy's total forecast opex proposal to forecast standard control services opex and dual function assets opex by opex category in Workbook 1 – Regulatory determination, regulatory template 2.16, tables 2.16.2 and 2.16.4;				Not applicable
(c)	explanation of major drivers for the increases and decreases in expenditure by opex category in the forthcoming regulatory control period compared to actual historical expenditure;				Not applicable
(d)	explanation and justification for:				Not applicable
(i)	whether United Energy considers there is a year of historic opex that represents efficient and recurrent costs; or				Not applicable
(ii)	why United Energy considers no year of historic opex represents efficient and recurrent costs				Not applicable
Output growth					
9.5	**Provide the amount of total forecast opex attributable to output growth changes for standard control services opex and dual function assets opex in Workbook 1 – Regulatory determination, regulatory template 2.16, tables 2.16.1 and 2.16.3**		UE RIN001 - Workbook 1 - Forecast templates - Jan2020 - Public		
9.6	**Provide:**				

(a)	the output growth drivers United Energy used to develop the amount of total forecast opex attributable to output growth changes;	United Energy - Regulatory proposal - Chapter 9 Operating expenditure		UE MOD 9.02 - Rate of change - Jan2020 - Public UE APP03 - Maximum demand and customers - Jan2020 - Public	Our output growth drivers are customer numbers, ratcheted maximum demand and circuit length.
(b)	any economies of scale factors applied to the growth drivers;			UE ATT012 - NERA - Output weightings - Dec2018 - Public	We have used the output weightings prepared by NERA. In deriving the output weights, NERA removed the economies of scale by scaling the coefficients to add to one for each of the SFA and LS models. This scaling approach is consistent with the AER's rate of change formula set out in the Expenditure Forecast Assessment Guideline and the final determination for 2016-2020.
(c)	evidence that the growth drivers explain cost changes due to output growth; and	United Energy - Regulatory proposal - Chapter 9 Operating expenditure		UE ATT012 - NERA - Output weightings - Dec2018 - Public UE ATT052 - Frontier - Review of output growth estimation - Dec2019 - Public UE MOD 9.02 - Rate of change - Jan2020 - Public	We have applied the average of two of the AER's four economic benchmarking models to derive the output weights. We have not used the MTFP or translog models in accordance with the advice from NERA and Frontier Economics.
(d)	if United Energy applied any composite multiple output growth drivers:				Not applicable
(i)	the inputs for each composite multiple output growth driver; and				Not applicable
(ii)	the weightings for each input.				Not applicable
9.7	**Provide an explanation of how, in developing the amount of total forecast opex attributable to output growth changes, United Energy:**				
(a)	applied the output growth drivers; and	United Energy - Regulatory proposal - Chapter 9 Operating expenditure		UE ATT012 - NERA - Output weightings - Dec2018 - Public UE ATT052 - Frontier - Review of output growth estimation - Dec2019 - Public UE MOD 9.02 - Rate of change - Jan2020 - Public UE APP03 - Maximum demand and customers - Jan2020 - Public	We have multiplied the output weightings by our forecast growth in the output drivers.
(b)	accounted for economies of scale			UE ATT012 - NERA - Output weightings - Dec2018 - Public	We have used the output weightings prepared by NERA. In deriving the output weights, NERA removed the economies of scale by scaling the coefficients to add to one for each of the SFA and LS models. This scaling approach is consistent with the AER's rate of change formula set out in the Expenditure Forecast Assessment Guideline and the final determination for 2016-2020.
Real price changes					
9.8	**Provide the amount of total forecast opex attributable to changes in the price of labour and materials for standard control services opex and dual function assets opex in Workbook 1 – Regulatory determination, regulatory template 2.16, tables 2.16.1 and 2.16.3**		UE RIN001 - Workbook 1 - Forecast templates - Jan2020 - Public		
9.9	**Provide an explanation of:**				
(a)	how, in developing the amount of total forecast opex attributable to changes in the price of labour and materials, United Energy applied the real price measures in Workbook 1 – Regulatory determination, regulatory template 2.14; and	United Energy - Regulatory proposal - Chapter 9 Operating expenditure		UE MOD 9.02 - Rate of change - Jan2020 - Public UE MOD 10.06 - Opex - Jan2020 - Public	
(b)	whether United Energy's labour price measure compensates for any form of labour productivity change			UE ATT014 - BIS - Labour escalation - Apr2019 - Public	Our labour forecasts are based on forecasts of the EGWW WPI prepared by BIS economics. BIS takes account of productivity expectations in preparing their forecasts.
Productivity change					

9.10	**Provide the amount of total forecast opex attributable to changes in productivity for standard control services opex and dual function assets opex in Workbook 1 – Regulatory determination, regulatory template 2.16, tables 2.16.1 and 2.16.3**		UE RIN001 - Workbook 1 - Forecast templates - Jan2020 - Public		
9.11	**Provide, in percentage year on year terms, the productivity measure that United Energy used to develop the amount of total forecast opex attributable to changes in productivity**	United Energy - Regulatory proposal - Chapter 9 Operating expenditure		UE MOD 9.02 - Rate of change - Jan2020 - Public UE MOD 10.06 - Opex - Jan2020 - Public	We have applied the AER's annual 0.5% productivity adjustment in accordance with the AER's final decision on forecasting productivity growth for electricity distributors published in March 2019.
9.12	**Provide an explanation of:**				
(a)	how, in developing the amount of total forecast opex attributable to changes in productivity, United Energy applied the productivity measure in paragraph 10.11;			UE MOD 9.02 - Rate of change - Jan2020 - Public UE MOD 10.06 - Opex - Jan2020 - Public	We have applied the AER's annual 0.5% productivity adjustment in accordance with the AER's final decision on forecasting productivity growth for electricity distributors published in March 2019.
(b)	whether United Energy's forecast productivity changes capture the historic trend of cost increases due to changes in regulatory obligations or requirements and industry best practice; and				We have applied the AER's annual 0.5% productivity adjustment in accordance with the AER's final decision on forecasting productivity growth for electricity distributors published in March 2019.
(c)	whether United Energy's productivity measure includes productivity change compensated for by the labour price measure used by United Energy to forecast the change in the price of labour				We have applied the AER's annual 0.5% productivity adjustment in accordance with the AER's final decision on forecasting productivity growth for electricity distributors published in March 2019.
10	**STEP CHANGES**				
10.1	**Provide the amount of total forecast opex attributable to opex step changes for standard control services opex and dual function assets opex in Workbook 1 – Regulatory determination, regulatory template 2.16, tables 2.16.1 and 2.16.3**		UE RIN001 - Workbook 1 - Forecast templates - Jan2020 - Public		
10.2	**Provide an explanation of why United Energy considers:**				
(a)	the efficient costs of the step change are not provided by other components of United Energy's total forecast opex such as base opex, output growth changes, real price changes or productivity change;	United Energy - Regulatory proposal - Chapter 9 Operating expenditure		UE MOD 9.01 - Step changes - Jan2020 - Public	Our step changes are additional costs resulting from new regulatory obligations, opex-capex tradeoffs or changes in the scope of services currently provided which are not already accounted for in our base opex or rate of change. For each step change, business cases provide detailed explanation of the nature of the step change and why it is necessary to acheive the operating expenditure factors, criteria and objectives in the NER. The step change model demonstrates the cost increases additional to our base opex.
(b)	the total forecast opex will not allow United Energy to achieve the objectives in clause 6.5.6(a) of the NER unless the step change is included; and	United Energy - Regulatory proposal - Chapter 9 Operating expenditure			Our step changes are additional costs resulting from new regulatory obligations, opex-capex tradeoffs or changes in the scope of services currently provided which are not already accounted for in our base opex or rate of change. For each step change, business cases provide detailed explanation of the nature of the step change and why it is necessary to acheive the operating expenditure factors, criteria and objectives in the NER.

(c)	the total forecast opex will not reasonably reflect the criteria in clause 6.5.6(c) of the NER unless the step change is included	United Energy - Regulatory proposal - Chapter 9 Operating expenditure			Our step changes are additional costs resulting from new regulatory obligations, opex-capex tradeoffs or changes in the scope of services currently provided which are not already accounted for in our base opex or rate of change. For each step change, business cases provide detailed explanation of the nature of the step change and why it is necessary to acheive the operating expenditure factors, criteria and objectives in the NER.
10.3	**For all step changes in forecast expenditure provide:**				
(a)	In Workbook 1 – Regulatory determination, regulatory template 2.17 the quantum of the step changes :		UE RIN001 - Workbook 1 - Forecast templates - Jan2020 - Public	UE MOD 9.01 - Step changes - Jan2020 - Public	
(i)	forecasts for each year of the forthcoming regulatory control period; and		UE RIN001 - Workbook 1 - Forecast templates - Jan2020 - Public	UE MOD 9.01 - Step changes - Jan2020 - Public	
(ii)	expected to be incurred, in the current regulatory control period;		UE RIN001 - Workbook 1 - Forecast templates - Jan2020 - Public	UE MOD 9.01 - Step changes - Jan2020 - Public	
(b)	a description of the step change	United Energy - Regulatory proposal - Chapter 9 Operating expenditure			
10.4	**For each step change listed in response to paragraph 10.3, provide an explanation of:**				
(a)	when the change occurred, or is expected to occur;	United Energy - Regulatory proposal - Chapter 9 Operating expenditure		UE BUS 9.01 - Security of critical Infrastructure step change2020 - Confidential UE BUS 7.10 - Cloud infrastructure - Jan2020 - Public UE BUS 4.01 - EP Amendment Act 2018 - Jan2020 - Public UE BUS 7.09 - 5 minute settlement - Jan2020 - Public UE BUS 6.06 - Solar enablement - Jan2020 - Public UE BUS 9.02 - Lower Mornington Peninsula demand management - Jan2020 - Public UE BUS 9.03 - Feeder demand management - Jan2020 - Public UE BUS 9.04 - Cranbourne terminal station - Jan2020 - Public	
(b)	what the driver of the step change is;	United Energy - Regulatory proposal - Chapter 9 Operating expenditure		UE BUS 9.01 - Security of critical Infrastructure step change2020 - Confidential UE BUS 7.10 - Cloud infrastructure - Jan2020 - Public UE BUS 4.01 - EP Amendment Act 2018 - Jan2020 - Public UE BUS 7.09 - 5 minute settlement - Jan2020 - Public UE BUS 6.06 - Solar enablement - Jan2020 - Public UE BUS 9.02 - Lower Mornington Peninsula demand management - Jan2020 - Public UE BUS 9.03 - Feeder demand management - Jan2020 - Public UE BUS 9.04 - Cranbourne terminal station - Jan2020 - Public	

(c)	how the driver has changed or will change (for example, revised legislation may lead to a change in a regulatory obligation or requirement); and	United Energy - Regulatory proposal - Chapter 9 Operating expenditure		UE BUS 9.01 - Security of critical Infrastructure step change2020 - Confidential UE BUS 7.10 - Cloud infrastructure - Jan2020 - Public UE BUS 4.01 - EP Amendment Act 2018 - Jan2020 - Public UE BUS 7.09 - 5 minute settlement - Jan2020 - Public UE BUS 6.06 - Solar enablement - Jan2020 - Public UE BUS 9.02 - Lower Mornington Peninsula demand management - Jan2020 - Public UE BUS 9.03 - Feeder demand management - Jan2020 - Public UE BUS 9.04 - Cranbourne terminal station - Jan2020 - Public	
(d)	whether the step change is recurrent in nature			UE MOD 9.01 - Step changes - Jan2020 - Public	All our proposed step changes are recurrent in nature
10.5	**For each step change listed in response to paragraph 10.3, provide justification for when, and how, the step change affected, or is expected to affect:**				
(a)	the relevant opex category;			UE MOD 9.01 - Step changes - Jan2020 - Public	
(b)	the relevant capex category;			UE MOD 9.01 - Step changes - Jan2020 - Public	
(c)	total opex; and			UE MOD 9.01 - Step changes - Jan2020 - Public	
(d)	total capex			UE MOD 9.01 - Step changes - Jan2020 - Public	
10.6	**For each step change listed in response to paragraph 10.3, provide the process undertaken by United Energy to identify and quantify the step change; provide cost benefit analysis that demonstrates United Energy proposes to address the step change in a prudent and efficient manner, including:**				
(a)	the timing of the step change; and			UE BUS 9.01 - Security of critical Infrastructure step change2020 - Confidential UE BUS 7.10 - Cloud infrastructure - Jan2020 - Public UE BUS 4.01 - EP Amendment Act 2018 - Jan2020 - Public UE BUS 7.09 - 5 minute settlement - Jan2020 - Public UE BUS 6.06 - Solar enablement - Jan2020 - Public UE BUS 9.02 - Lower Mornington Peninsula demand management - Jan2020 - Public UE BUS 9.03 - Feeder demand management - Jan2020 - Public UE BUS 9.04 - Cranbourne terminal station - Jan2020 - Public	

(b)	if United Energy considered a 'do nothing' option, evidence of how United Energy assessed the risks of this option compared with other options			UE BUS 9.01 - Security of critical Infrastructure step change2020 - Confidential UE BUS 7.10 - Cloud infrastructure - Jan2020 - Public UE BUS 4.01 - EP Amendment Act 2018 - Jan2020 - Public UE BUS 7.09 - 5 minute settlement - Jan2020 - Public UE BUS 6.06 - Solar enablement - Jan2020 - Public UE BUS 9.02 - Lower Mornington Peninsula demand management - Jan2020 - Public UE BUS 9.03 - Feeder demand management - Jan2020 - Public UE BUS 9.04 - Cranbourne terminal station - Jan2020 - Public	
10.7	**For each step change listed in response to paragraph 10.3, where the step change is due to a change in a regulatory obligation or requirement provide:**				
(a)	relevant variations or exemptions granted to United Energy during the previous regulatory control period or the current regulatory control period;				Not applicable
(b)	any relevant compliance audits United Energy conducted during the previous regulatory control period or the current regulatory control period				Not applicable
10.8	**For each step change listed in response to paragraph 10.7, provide, with reference to specific clauses of the relevant legislative instrument(s), the:**				
(a)	previous regulatory obligation or requirement; and			UE BUS 9.01 - Security of critical Infrastructure step change2020 - Confidential UE BUS 7.10 - Cloud infrastructure - Jan2020 - Public UE BUS 4.01 - EP Amendment Act 2018 - Jan2020 - Public UE BUS 7.09 - 5 minute settlement - Jan2020 - Public	
(b)	how the changed regulatory obligation or requirement is driving the step change			UE BUS 9.01 - Security of critical Infrastructure step change2020 - Confidential UE BUS 7.10 - Cloud infrastructure - Jan2020 - Public UE BUS 4.01 - EP Amendment Act 2018 - Jan2020 - Public UE BUS 7.09 - 5 minute settlement - Jan2020 - Public	
Category specific opex					
10.9	**Provide the amount of total forecast opex attributable to category specific opex in Workbook 1 – Regulatory determination, regulatory template 2.17, table 2.17.5. The amount of total opex attributable to category specific opex must correspond with the category specific opex reported in Workbook 1 – Regulatory determination, regulatory template 2.16, table 2.16.1**		UE RIN001 - Workbook 1 - Forecast templates - Jan2020 - Public		Not applicable
ECONOMIC BENCHMARKING REPORTING					
11	**ECONOMIC BENCHMARKING**				

11.1	**Complete the Workbook 1 – Regulatory determination, regulatory templates 3.1 to 3.7 in accordance with:**		UE RIN001 - Workbook 1 - Forecast templates - Jan2020 - Public		
(a)	the 'Economic Benchmarking RIN for distribution network service providers – Instructions and Definitions' issued to United Energy on 28 November 2013, chapters 2 to 9;				Noted
(b)	paragraphs 11.2 to 11.10				Noted
11.2	**The forecast revenue groupings in Workbook 1 – Regulatory determination, regulatory templates 3.1, tables 3.1.1 and 3.1.2 may be developed by trending forward actual historical revenue groupings in previous regulatory years. However:**				
(a)	Total revenues must equal the total forecast revenues proposed by United Energy in its regulatory proposal, and				Noted
(b)	Revenue groupings must reflect United Energy's forecast demand for its services in the forthcoming regulatory control period in its regulatory proposal				Noted
11.3	**11.3 Information provided in Workbook 1 – Regulatory determination, regulatory templates 3.2, tables 3.2.1 and 3.2.2 must reflect United Energy's cost allocation method for the forthcoming regulatory control period.**				Noted
11.4	**RAB asset financial data in the Workbook 1 – Regulatory determination, regulatory template 3.3 must reconcile to that in United Energy's regulatory proposal PTRM and RFM**				Noted
11.5	**The definition of a tree must be applied when completing the variables "Average number of trees per urban and CBD vegetation maintenance span" (DOEF0208) and "Average number of trees per rural vegetation maintenance span" (DOEF0209)**				Noted
11.6	**In calculating responses to the variables DOEF0202 to DOEF0205, spans in the network service area where United Energy is not responsible for the vegetation management associated with the span are not to be counted**				Noted
11.7	**"Total number of spans" (DOEF0205) does not include service line spans**				Noted
11.8	**United Energy must report the route line length of feeders classified as either short rural or long rural divided by the total route feeder line length (this is the total feeder route line length for all CBD, urban, short rural and long rural feeders) against "Rural proportion" (DOEF0201)**				Noted
11.9	**For the purposes of calculating the "Route line length" variable (DOEF0301) or other variables measured in terms of route line length:**				
(a)	the length of service lines are not to be counted				Noted
(b)	the length of a span that shares multiple voltage levels is only to be counted once				Noted
(c)	the lengths of two sets of lines that run on different sets of poles (or towers) but share the same easement are counted separately				Noted

11.10	**All forecast variables in the Workbook 1 – Regulatory determination, regulatory templates 3.1 to 3.7 must align with those in United Energy's regulatory proposal. For the avoidance of doubt this includes forecast:**				
(a)	opex and capex;				Noted
(b)	maximum demand, energy delivery;				Noted
(c)	revenues;				Noted
(d)	quality of services variables including SAIDI, SAIFI, MAIFI and MAIFIe; and				Noted
(e)	quantities of physical assets				Noted
ALTERNATIVE CONTROL SERVICES REPORTING					
12	**ALTERNATIVE CONTROL SERVICES**				
12.1	**The overheads relating to each alternative control service listed in paragraph 12.2 must be disclosed**			UE APP09 - ACS charges - Jan2020 - Public UE MOD 12.01 - Fee based - Jan2020 - Public	The overheads relating to each ACS for the next regulatory period is consistent with our overheads approved by the AER in the 2016-2020 regulatory determination, escalated to $June 2021 using the forecast consumer price index.
12.2	**Provide a list of all of the alternative control services that United Energy intends to provide to customers and levy charges for in the forthcoming regulatory control period**			UE APP09 - ACS charges - Jan2020 - Public UE MOD 12.01 - Fee based - Jan2020 - Public	
12.3	**Provide a definition of each alternative control service listed in paragraphs 13, 14 and 15**	United Energy Regulatory proposal - Chapter 12 Alternative control services			
12.4	**For each alternative control service listed in paragraphs 13, 14 and 15, specify the charges applicable during each year of the current regulatory control period. Also include proposed charges for each year of the forthcoming regulatory control period**			UE MOD 12.01 - Fee based - Jan2020 - Public UE MOD 12.02 - Quoted services labour rate - Jan2020 - Public UE MOD 11.02 - Metering PTRM & exit fees 2021-26 - Jan2020 - Public UE MOD 13.01 - Public lighting - Jan2020 - Public UE APP09 - ACS charges - Jan2020 - Public UE ATT112 - Annual pricing proposal 2016 - Nov2015 - Public UE ATT113 - Annual pricing proposal 2017 - Sep2016 - Public UE ATT114 - Annual pricing proposal 2018 - Sep2017 - Public UE ATT115 - Annual pricing proposal 2019 - 2018 - Public UE ATT116 - Annual pricing proposal 2020 - 2019 - Public	Information relating to current period is available in our annual pricing proposals. Information relating to the forecast period is available in our attached models and appendices.
12.5	**For each alternative control service listed in paragraphs 13, 14 and 15, specify the total revenue earned by United Energy in each year of the current regulatory control period and forecast to be earned in the forthcoming regulatory control period**		UE RIN001 - Workbook 1 - Forecast templates - Jan2020 - Public	UE MOD 12.01 - Fee based - Jan2020 - Public UE MOD 12.02 - Quoted services labour rate - Jan2020 - Public UE MOD 11.02 - Metering PTRM & exit fees 2021-26 - Jan2020 - Public UE MOD 13.01 - Public lighting - Jan2020 - Public UE APP09 - ACS charges - Jan2020 - Public UE ATT112 - Annual pricing proposal 2016 - Nov2015 - Public UE ATT113 - Annual pricing proposal 2017 - Sep2016 - Public UE ATT114 - Annual pricing proposal 2018 - Sep2017 - Public UE ATT115 - Annual pricing proposal 2019 - 2018 - Public UE ATT116 - Annual pricing proposal 2020 - 2019 - Public	Information relating to current period is available in our annual pricing proposals. Information relating to the forecast period is available in our attached models and appendices and Reset RIN workbook 1.

12.6	**For each alternative control service listed in paragraphs 13, 14 and 15, provide the labour rate(s) used to calculate the charges for the current and forthcoming regulatory control periods:**			UE MOD 12.01 - Fee based - Jan2020 - Public UE MOD 12.02 - Quoted services labour rate - Jan2020 - Public UE MOD 11.02 - Metering PTRM & exit fees 2021-26 - Jan2020 - Public UE MOD 13.01 - Public lighting - Jan2020 - Public UE APP09 - ACS charges - Jan2020 - Public UE ATT112 - Annual pricing proposal 2016 - Nov2015 - Public UE ATT113 - Annual pricing proposal 2017 - Sep2016 - Public UE ATT114 - Annual pricing proposal 2018 - Sep2017 - Public UE ATT115 - Annual pricing proposal 2019 - 2018 - Public UE ATT116 - Annual pricing proposal 2020 - 2019 - Public	
(a)	specify the labour classification level used to provide the services e.g. outsourced or internally provided and labourer type			UE MOD 12.01 - Fee based - Jan2020 - Public UE MOD 12.02 - Quoted services labour rate - Jan2020 - Public UE MOD 11.02 - Metering PTRM & exit fees 2021-26 - Jan2020 - Public UE MOD 13.01 - Public lighting - Jan2020 - Public UE APP09 - ACS charges - Jan2020 - Public UE ATT112 - Annual pricing proposal 2016 - Nov2015 - Public UE ATT113 - Annual pricing proposal 2017 - Sep2016 - Public UE ATT114 - Annual pricing proposal 2018 - Sep2017 - Public UE ATT115 - Annual pricing proposal 2019 - 2018 - Public UE ATT116 - Annual pricing proposal 2020 - 2019 - Public	
(b)	list all direct costs, and their quantum, in the make-up of the labour rate(s)			UE MOD 12.01 - Fee based - Jan2020 - Public UE MOD 12.02 - Quoted services labour rate - Jan2020 - Public UE MOD 11.02 - Metering PTRM & exit fees 2021-26 - Jan2020 - Public UE MOD 13.01 - Public lighting - Jan2020 - Public UE APP09 - ACS charges - Jan2020 - Public UE ATT112 - Annual pricing proposal 2016 - Nov2015 - Public UE ATT113 - Annual pricing proposal 2017 - Sep2016 - Public UE ATT114 - Annual pricing proposal 2018 - Sep2017 - Public UE ATT115 - Annual pricing proposal 2019 - 2018 - Public UE ATT116 - Annual pricing proposal 2020 - 2019 - Public	
12.7	**List each material category (e.g. meters, poles, brackets) required for the provision of each alternative control service listed in the response to paragraphs 13, 14 and 15**				
(a)	provide a description of each material category			UE MOD 11.02 - Metering PTRM & exit fees 2021-26 - Jan2020 - Public UE MOD 13.01 - Public lighting - Jan2020 - Public	

(b)	provide the average unit costs for each material category			UE MOD 11.02 - Metering PTRM & exit fees 2021-26 - Jan2020 - Public UE MOD 13.01 - Public lighting - Jan2020 - Public	
(c)	list all direct costs included in the unit costs			UE MOD 11.02 - Metering PTRM & exit fees 2021-26 - Jan2020 - Public UE MOD 13.01 - Public lighting - Jan2020 - Public	
(d)	specify the calculation of the quantum of direct materials costs included in the unit cost of materials			UE MOD 11.02 - Metering PTRM & exit fees 2021-26 - Jan2020 - Public UE MOD 13.01 - Public lighting - Jan2020 - Public	
13	**SERVICES**				
13.1	**Provide a description of each fee based and quoted service, explaining the purpose of the service and list the activities which comprise each service. The list of fee based and quoted services should be consistent with those services listed in United Energy's annual pricing proposals**				
(a)	specify if the charges are for fee based and/or quoted alternative control services;	Regulatory proposal - chapter 12 Alternative control services		UE MOD 12.01 - Fee based - Jan2020 - Public UE MOD 12.02 - Quoted services labour rate - Jan2020 - Public UE APP09 - ACS charges - Jan2020 - Public	Our regulatory proposal describes the charges and categorisation, our ACS appendix provides the charges, our ACS models provide the calculations.
(b)	explain the reasons for the different charge with reference to the costs incurred;			UE MOD 12.01 - Fee based - Jan2020 - Public UE MOD 12.02 - Quoted services labour rate - Jan2020 - Public	Our regulatory proposal describes the charges and categorisation, our ACS appendix provides the charges, our ACS models provide the calculations.
(c)	explain the method used to set the different charge; and	Regulatory proposal - chapter 12 Alternative control services		UE MOD 12.01 - Fee based - Jan2020 - Public UE MOD 12.02 - Quoted services labour rate - Jan2020 - Public	Our regulatory proposal describes the charges and categorisation, our ACS appendix provides the charges, our ACS models provide the calculations.
(d)	provide the calculations underpinning the different charge			UE MOD 12.01 - Fee based - Jan2020 - Public UE MOD 12.02 - Quoted services labour rate - Jan2020 - Public	Our regulatory proposal describes the charges and categorisation, our ACS appendix provides the charges, our ACS models provide the calculations.
13.2	**Provide all current and proposed charges for each fee based and quoted alternative control services in the current and forthcoming regulatory control periods, and:**				
(a)	specify if the charges are for fee based and/or quoted alternative control services;	Regulatory proposal - chapter 12 Alternative control services		UE MOD 12.01 - Fee based - Jan2020 - Public UE MOD 12.02 - Quoted services labour rate - Jan2020 - Public UE APP09 - ACS charges - Jan2020 - Public UE ATT112 - Annual pricing proposal 2016 - Nov2015 - Public UE ATT113 - Annual pricing proposal 2017 - Sep2016 - Public UE ATT114 - Annual pricing proposal 2018 - Sep2017 - Public UE ATT115 - Annual pricing proposal 2019 - 2018 - Public UE ATT116 - Annual pricing proposal 2020 - 2019 - Public	Our regulatory proposal describes the charges and categorisation, our ACS appendix provides the charges, our ACS models provide the calculations. Current period information is provided in the annual pricing proposals.

(b)	explain the reasons for the different charges with reference to the costs incurred	Regulatory proposal - chapter 12 Alternative control services		UE MOD 12.01 - Fee based - Jan2020 - Public UE MOD 12.02 - Quoted services labour rate - Jan2020 - Public UE APP09 - ACS charges - Jan2020 - Public UE ATT112 - Annual pricing proposal 2016 - Nov2015 - Public UE ATT113 - Annual pricing proposal 2017 - Sep2016 - Public UE ATT114 - Annual pricing proposal 2018 - Sep2017 - Public UE ATT115 - Annual pricing proposal 2019 - 2018 - Public UE ATT116 - Annual pricing proposal 2020 - 2019 - Public	Our regulatory proposal describes the charges and categorisation, our ACS appendix provides the charges, our ACS models provide the calculations. Current period information is provided in the annual pricing proposals.
(c)	explain the method used to set the different charges; and	Regulatory proposal - chapter 12 Alternative control services		UE MOD 12.01 - Fee based - Jan2020 - Public UE MOD 12.02 - Quoted services labour rate - Jan2020 - Public UE APP09 - ACS charges - Jan2020 - Public UE ATT112 - Annual pricing proposal 2016 - Nov2015 - Public UE ATT113 - Annual pricing proposal 2017 - Sep2016 - Public UE ATT114 - Annual pricing proposal 2018 - Sep2017 - Public UE ATT115 - Annual pricing proposal 2019 - 2018 - Public UE ATT116 - Annual pricing proposal 2020 - 2019 - Public	Our regulatory proposal describes the charges and categorisation, our ACS appendix provides the charges, our ACS models provide the calculations. Current period information is provided in the annual pricing proposals.
(d)	provide the calculations underpinning the different charges			UE MOD 12.01 - Fee based - Jan2020 - Public UE MOD 12.02 - Quoted services labour rate - Jan2020 - Public UE APP09 - ACS charges - Jan2020 - Public UE ATT112 - Annual pricing proposal 2016 - Nov2015 - Public UE ATT113 - Annual pricing proposal 2017 - Sep2016 - Public UE ATT114 - Annual pricing proposal 2018 - Sep2017 - Public UE ATT115 - Annual pricing proposal 2019 - 2018 - Public UE ATT116 - Annual pricing proposal 2020 - 2019 - Public	Our regulatory proposal describes the charges and categorisation, our ACS appendix provides the charges, our ACS models provide the calculations. Current period information is provided in the annual pricing proposals.
13.3	**Identify the tasks involved in providing the service described in response to paragraph 13.1, including:**				
(a)	mapping the class of labour required to provide the service;				Not applicable - For existing charges prices are escalated by CPI to $2021. For new charges, we have used a volume-weighted revenue neutral approach to develop the charges.
(b)	the number of workers required to undertake the task and deliver the service				Not applicable - For existing charges prices are escalated by CPI to $2021. For new charges, we have used a volume-weighted revenue neutral approach to develop the charges.
(c)	the average time required to complete the task and deliver the service				Not applicable - For existing charges prices are escalated by CPI to $2021. For new charges, we have used a volume-weighted revenue neutral approach to develop the charges.

13.4	**If materials are required to provide the service, specify each material category**				Not applicable - For existing charges prices are escalated by CPI to $2021. For new charges, we have used a volume-weighted revenue neutral approach to develop the charges.
14	**METERING ALTERNATIVE CONTROL SERVICES**				
14.1	**For metering alternative control services for the current regulatory control period and the forthcoming regulatory control period, provide details of the:**				
(a)	direct materials and direct labour costs;			2016-2018: Category Analysis RINs, tab 2.12 Input tables. UE MOD 11.04 - Metering cost model - Jan2020 - Public, 'Input Capex' tab	2016-2018 information is provided in the category analysis RINs. 2019-2026 information is provided in our metering cost model.
(b)	installation costs			2016-2018: Category Analysis RINs, tab 4.2: Metering. UE MOD 11.04 - Metering cost model - Jan2020 - Public, 'Input Capex' tab	2016-2018 information is provided in the category analysis RINs. 2019-2026 information is provided in our metering cost model.
(c)	meter purchase costs;			2016-2018: Category Analysis RINs, tab 4.2: Metering. UE MOD 11.04 - Metering cost model - Jan2020 - Public, 'Input Capex' tab	2016-2018 information is provided in the category analysis RINs. 2019-2026 information is provided in our metering cost model.
(d)	volumes of work;			2016-2018: Category Analysis RINs, tab 4.2: Metering. UE MOD 11.04 - Metering cost model - Jan2020 - Public, 'Input Capex' tab	2016-2018 information is provided in the category analysis RINs. 2019-2026 information is provided in our metering cost model.
(e)	other costs associated with providing metering services;			2016-2018: Category Analysis RINs, tab 4.2: Metering. UE MOD 11.04 - Metering cost model - Jan2020 - Public, 'Input Capex' tab	2016-2018 information is provided in the category analysis RINs. 2019-2026 information is provided in our metering cost model.
(f)	type of meters installed and forecast to be installed, separately for new meters and for replacement meters;			2016-2018: Category Analysis RINs, tab 4.2: Metering. UE MOD 11.04 - Metering cost model - Jan2020 - Public, 'Input Capex' tab	2016-2018 information is provided in the category analysis RINs. 2019-2026 information is provided in our metering cost model.
(g)	the volume of meters by type set out in (f) and the revenue earned and forecast to be earned by each meter type; and			2016-2018: Category Analysis RINs, tab 4.2: Metering. 2016-2018: Economic Benchmarking RINs, tab 3.1: Revenue UE MOD 11.04 - Metering cost model - Jan2020 - Public, 'Input Capex' tab UE MOD 11.02 - Metering PTRM & exit fees 2021-26 - Jan2020 - Public, 'Forecast revenues' tab	2016-2018 information is provided in the category analysis and economic benchmarking RINs. 2019-2026 information is provided in our metering cost model and PTRM model.
(h)	the total operating and maintenance costs incurred, and forecast to be incurred, for metering services			UE MOD 11.04 - Metering cost model - Jan2020 - Public, 'Input opex' tab	2016-2026 information is provided in our metering cost model.
14.2	**For metering works, for each year of the current regulatory control period and forecasts for the forthcoming regulatory control period, provide a description of:**				

(a)	the type of work undertaken (e.g. meter reconfiguration, special meter read) including a description of the activities undertaken to provide the service;				We are currently responsible for metering services associated with types 5, 6 and smart meters. These meters are installed in residential and small business premises consuming up to 160 megawatt hours (MWh) per annum. The services we provide in relation to these meters include: • meter provision – includes purchasing meters and installing these meters at the customer's premises; • meter maintenance – includes inspecting, testing, maintaining and repairing meters; • meter replacement - replacement of a meter and associated equipment, at a site with existing metering infrastructure, with a modern equivalent where the meter has reached the end of its economic life; • meter reading and data services - includes collection, processing, storage and delivery of metering data to other market participants for billing and market settlement purposes and the management of the relevant National Meter Identifier (NMI); and • meter communications – includes maintaining and installing communication devices required to operate the mesh radio network and management of the day to day operation of the meter communications systems including meter data delivery, testing, fault detection, investigation and resolution
(b)	the labour costs involved in providing the service, including any overheads;			2016-2018: Category Analysis RINs, tab 4.2: Metering. 2019-2026: UE MOD 11.04 - Metering cost model - Jan2020 - Public, 'Input opex' tab	
(c)	any materials costs involved in providing the service;			2016-2018: Category Analysis RINs, tab 4.2: Metering. 2019-2026: UE MOD 11.04 - Metering cost model - Jan2020 - Public, 'Input opex' tab	
(d)	the number (volume) of services provided and associated assumptions on which the volume of service was derived or estimated;			2016-2018: Category Analysis RINs, tab 4.2: Metering. 2019-2026: UE MOD 11.04 - Metering cost model - Jan2020 - Public, 'Input opex' tab	
(e)	the charge per service; and			UE MOD 11.02 - Metering PTRM & exit fees 2021-26 - Jan2020 - Public, 'Forecast revenues' tab	
(f)	the revenue earned by each service			UE MOD 11.02 - Metering PTRM & exit fees 2021-26 - Jan2020 - Public, 'Forecast revenues' tab	
14.3	**For metering alternative control services, specify the number of customers receiving the service in each year of the current regulatory control period, and forecasts for the forthcoming regulatory control period**			UE MOD 11.04 - Metering cost model - Jan2020 - Public, 'Inputs General' tab UE MOD 11.02 - Metering PTRM & exit fees 2021-26 - Jan2020 - Public, 'Forecast revenues' tab	
15	**PUBLIC LIGHTING ALTERNATIVE CONTROL SERVICES**				
15.1	**Specify which items are capex and operational expenditure for each year of the current regulatory control period and forecasts for the forthcoming regulatory control period**			UE MOD 11.04 - Metering cost model - Jan2020 - Public, 'Input_Opex' tab and 'Input_Capex tab'; UE MOD 13.02 - Public lighting inputs - Jan2020 - Public	
15.2	**Provide unit costs for the current regulatory control period and forecast for the forthcoming regulatory control period for:**				
(a)	luminaires;			UE MOD 11.04 - Metering cost model - Jan2020 - Public, 'Input_Opex' tab and 'Input_Capex tab' UE MOD 13.01 - Public lighting - Jan2020 - Public, Inputs tabs	

(b)	dedicated street lighting poles;			UE MOD 11.04 - Metering cost model - Jan2020 - Public, 'Input_Opex' tab and 'Input_Capex tab' UE MOD 13.01 - Public lighting - Jan2020 - Public, Inputs tabs	
(c)	brackets;			UE MOD 11.04 - Metering cost model - Jan2020 - Public, 'Input_Opex' tab and 'Input_Capex tab' UE MOD 13.01 - Public lighting - Jan2020 - Public, Inputs tabs	
(d)	lamps;			UE MOD 11.04 - Metering cost model - Jan2020 - Public, 'Input_Opex' tab and 'Input_Capex tab' UE MOD 13.01 - Public lighting - Jan2020 - Public, Inputs tabs	
(e)	photoelectric cells;			UE MOD 11.04 - Metering cost model - Jan2020 - Public, 'Input_Opex' tab and 'Input_Capex tab' UE MOD 13.01 - Public lighting - Jan2020 - Public, Inputs tabs	
(f)	labour rate (per hour);			UE MOD 11.04 - Metering cost model - Jan2020 - Public, 'Input_Opex' tab and 'Input_Capex tab' UE MOD 13.01 - Public lighting - Jan2020 - Public, Inputs tabs	
(g)	miscellaneous materials			UE MOD 11.04 - Metering cost model - Jan2020 - Public, 'Input_Opex' tab and 'Input_Capex tab' UE MOD 13.01 - Public lighting - Jan2020 - Public, Inputs tabs	
15.3	**Provide the depreciation period in years for each type of luminaire**			UE MOD 13.01 - Public lighting - Jan2020 - Public, Inputs tabs	
15.4	**Provide the bulk change cycle in years for lamps and photoelectric cells**			UE MOD 13.01 - Public lighting - Jan2020 - Public, Inputs tabs	
15.5	**Provide details of the average replacement age of each type of luminaire**			UE MOD 13.02 - Public lighting inputs - Jan2020 - Public	
15.6	**Provide the number of luminaires, by type, for the current and forthcoming regulatory control periods**			UE MOD 13.01 - Public lighting - Jan2020 - Public, DNSP Inputs General tab	
15.7	**Provide the number of luminaires, poles and brackets replaced per year, for the current and forthcoming regulatory control periods**			UE MOD 13.01 - Public lighting - Jan2020 - Public, DNSP Inputs capex tab	
15.8	**Provide details, including assumptions used, for any other costs that are incurred for the provision of public lighting services**			UE MOD 13.02 - Public lighting inputs - Jan2020 - Public UE MOD 13.01 - Public lighting - Jan2020 - Public, Inputs tabs	
15.9	**Provide models and/or modelling that underpins proposed charges for the forthcoming regulatory control period and the reasons for the assumptions behind those forecasts**			UE MOD 13.02 - Public lighting inputs - Jan2020 - Public UE MOD 13.01 - Public lighting - Jan2020 - Public, Inputs tabs	
15.10	**For public lighting alternative control services, specify the number of customers in each year of the current regulatory control period, and forecasts for the forthcoming regulatory control period**			UE MOD 13.02 - Public lighting inputs - Jan2020 - Public, Inputs General tab	
NETWORK INFORMATION REPORTING					
16	**DEMAND AND CONNECTIONS FORECASTS**				
16.1	**Provide and describe the methodology used to prepare the following forecasts for the forthcoming regulatory control period**				
(a)	maximum demand; and			UE APP03 - Maximum demand and customers - Jan2020 - Public UE ATT022 - NIEIR - Maximum demand forecasts - July2018 - Public	
(b)	number of new connections	United Energy - Regulatory proposal - Chapter 5 Connections		UE MOD 5.01 - Connections - Jan2020 - Public	

16.2	**Provide:**				
(a)	the model(s) United Energy used to forecast new connections and maximum demand;			UE MOD 9.04 - Maximum demand forecasts - Jan2020 - Public UE MOD 5.01 - Connections - Jan2020 - Public	
(b)	where United Energy's approach to weather correction has changed since demand forecasts were submitted to the AER as part of the previous regulatory determination, provide historically consistent weather corrected maximum demand data, as per the format in Workbook 1 – Regulatory determination, regulatory templates 3.4 and 5.4 using United Energy's current approach. If any of this data is unavailable, explain why;				Approach to weather correction has not changed
(c)	for new connections, volume expenditure data requested in Workbook 1 – Regulatory determination, regulatory template 2.5; and		UE RIN001 - Workbook 1 - Forecast templates - Jan2020 - Public	UE MOD 5.01 - Connections - Jan2020 - Public	
(d)	any supporting information or calculations that illustrate how information extracted from United Energy's forecasting model(s) reconciles to, and explains any differences from, information provided in Workbook 1 – Regulatory determination, regulatory templates 2.5, 3.4 and 5.4			UE ATT022 - NIEIR - Maximum demand forecasts - July2018 - Public	Values are reconciled and there are no differences.
16.3	**For each of the methodologies provided and described in response to paragraph 16.1, and, where relevant, data requested under paragraphs 16.2(b) and 16.2(c), explain or provide (as appropriate):**				
(a)	the models used;			UE MOD 9.07 - Maximum demand forecasts - Jan2020 - Public UE MOD 5.01 - Connections capex - Jan2020 - Public	
(b)	a global (top-down) and spatial (bottom-up) demand forecast			UE ATT092 - Load forecasting manual - 2018 - Public UE ATT022 - NIEIR - Maximum demand forecasts - Jul2018 - Public UE ATT104 - Maximum demand forecasting - Jan2020 - Public	
(c)	the inputs and assumptions used in the models (including in relation to economic growth, connections numbers and policy changes and provide any associated models or data relevant to justifying these inputs and assumptions);	United Energy - Regulatory proposal - Chapter 5 Connections		UE ATT022 - NIEIR - Maximum demand forecasts - July2018 - Public UE MOD 9.07 - Maximum demand forecasts - Jan2020 - Public UE MOD 5.01 - Connections - Jan2020 - Public UE ATT050 - ACIF - Australian construction market - Nov2018 - Public UE ATT098 - ACIF - Australian construction market - May2019 - Public	
(d)	the weather correction methodology, how weather data has been used, and how United Energy's approach to weather correction has changed over time;			UE ATT104 - Maximum demand forecasting - Jan2020 - Public	
(e)	an outline of the treatment of block loads, transfers and switching within the forecasting process;			UE ATT104 - Maximum demand forecasting - Jan2020 - Public	
(f)	each appliance model used, where used, or assumptions relating to average customer energy usage (by customer type);			UE ATT104 - Maximum demand forecasting - Jan2020 - Public	After Diversity Maximum Demand (ADMD) is used to calculate the size of block loads. Materialisation and utilisation factors are used to role the block load to feeder and zone substation forecasts.

(g)	how the forecasting methodology used is consistent with, and takes into account, historical observations (where appropriate), including any calibration processes undertaken within the model (specifically whether the load forecast is matched against actual historical load on the system and substations);			UE ATT104 - Maximum demand forecasting - Jan2020 - Public	
(h)	how the resulting forecast data is consistent across forecasts provided for each network element identified in Workbook 1 – Regulatory determination, regulatory template 5.4 and system wide forecasts;			The data provided is consistent with the results of the bottom-up maximum demand forecasting process. UE ATT092 - Load forecasting manual - 2018 - Public	
(I)	how the forecasts resulting from these methods and assumptions have been used in determining the following:				
(i)	capex forecasts; and	United Energy - Regulatory proposal - Chapter 5 Connections and Chapter 6 Augmentation		UE MOD 5.01 - Connections - Jan2020 - Public	Connection volumes and unit rates are used to determine the connection capex forecasts - refer to connections model. Demand forecasts underpin the identification of forecast network constraints. Our regulatory proposal and demand-driven augmentation capital expenditure business cases demonstrate the impact of spatial demand forecasts on local network capacity and provide options analysis for addressing network constraints.
(ii)	opex forecasts	United Energy - Regulatory proposal - Chapter 9 Operating expenditure		UE MOD 9.02 - Rate of change - Jan2020 - Public	Demand forecasts are used in the output growth component of the rate of change for forecasting operating expenditure.
(j)	whether United Energy used the forecasting model(s) it used in the joint planning process for the purposes of its regulatory proposal;				Yes, we use the same models for the regulatory proposal as for the joint planning process
(k)	whether United Energy's forecasts both coincident and non-coincident maximum demand at the feeder, connection point, sub-transmission substation and zone substation level, and how these forecasts reconcile with the system level forecasts (including how various assumptions that are allowed for at the system level relate to the network level forecasts);			UE ATT022 - NIEIR - Maximum demand forecasts - July2018 - Public	For CAPEX forecasting, UE forecasts non-coincident maximum demands at feeder, zone substation, sub-transmission and connection points. Coincident maximum demands are used in various phases of the forecasting process for reconciliation of the top-down and bottom-up forecasts.
(l)	whether United Energy records historic maximum demand in MW, MVA or both;				We record both MW and MVA
(m)	the probability of exceedance that United Energy uses in network planning;			UE ATT004 - Network planning guidelines - Public	
(n)	the contingency planning process, in particular the process used to assess high system demand;			UE ATT004 - Network planning guidelines - Public	
(o)	how risk is managed across the network, particularly in relation to load sharing across network elements and non-network solutions to peak demand events;			UE ATT004 - Network planning guidelines - Public	
(p)	whether and how the maximum demand forecasts underlying the regulatory proposal reconcile with any demand information or related planning statements published by AEMO, as well as forecasts produced by any transmission network service providers connected to United Energy's network;			UE ATT022 - NIEIR - Maximum demand forecasts - July2018 - Public	Annually we compare the AEMO's connection point forecasts with our forecasts. Where significant differences are identified we work with AEMO to understand the reason for any discrepancy.
(q)	how the normal and emergency ratings are used in determining capacity for individual zone substations and sub-transmission lines;			UE ATT004 - Network planning guidelines - Public	Our Network Planning Guidelines discusses the use of normal cyclic, short time cyclic and dynamic ratings at various network levels.

(r)	where United Energy proposes to commence or continue a demand-related capex project or program during the forthcoming regulatory control period on a HV feeder:				
(i)	for each feeder from the zone substation that is the connecting zone substation for the relevant HV feeder, and any other feeders that the relevant HV feeder can transfer load to or from:				
(A)	assumed future load transfers between feeders;			UE ATT092 - Load forecasting manual - 2018 - Public	
(B)	assumed feeder underlying load growth rates (exclusive of transfers and specific customer developments); and			UE ATT092 - Load forecasting manual - 2018 - Public	
(C)	assumed block loads, and associated demand assumptions;			UE ATT092 - Load forecasting manual - 2018 - Public	
(ii)	existing embedded generation capacity, and associated assumptions on the impact on demand levels;			UE ATT092 - Load forecasting manual - 2018 - Public	
(iii)	assumed future embedded generation capacity, and associated assumptions on the impact on demand levels;			UE ATT092 - Load forecasting manual - 2018 - Public	
(iv)	existing non-network solutions, and the associated assumptions on the impact on demand levels;			UE ATT092 - Load forecasting manual - 2018 - Public	
(v)	assumed future non-network solutions, and associated assumptions on the impact on demand levels; and			UE ATT092 - Load forecasting manual - 2018 - Public	
(vi)	the diversity between feeders;			UE ATT092 - Load forecasting manual - 2018 - Public	
(s)	where United Energy proposes to commence or continue a demand-related capex project or program during the forthcoming regulatory control period on a zone substation (or relevant substations for a sub-transmission line):				
(i)	assumed future load transfers between related substations;			UE ATT092 - Load forecasting manual - 2018 - Public UE ATT002 - DAPR 2019 - Dec2019 - Public UE BUS 9.02 - Lower Mornington Peninsula demand management - Jan2020 - Public UE BUS 9.03 - Feeder demand management - Jan2020 - Public UE BUS 9.04 - Cranbourne terminal station - Jan2020 - Public	
(ii)	assumed underlying load growth rates (exclusive of transfers and specific customer developments);			UE ATT092 - Load forecasting manual - 2018 - Public UE ATT002 - DAPR 2019 - Dec2019 - Public UE BUS 9.02 - Lower Mornington Peninsula demand management - Jan2020 - Public UE BUS 9.03 - Feeder demand management - Jan2020 - Public UE BUS 9.04 - Cranbourne terminal station - Jan2020 - Public	

(iii)	assumed specific customer developments, and associated demand assumptions;			UE ATT092 - Load forecasting manual - 2018 - Public UE ATT002 - DAPR 2019 - Dec2019 - Public UE BUS 9.02 - Lower Mornington Peninsula demand management - Jan2020 - Public UE BUS 9.03 - Feeder demand management - Jan2020 - Public UE BUS 9.04 - Cranbourne terminal station - Jan2020 - Public	
(iv)	existing embedded generation capacity, and associated assumptions on the impact on demand levels;			UE ATT092 - Load forecasting manual - 2018 - Public UE ATT002 - DAPR 2019 - Dec2019 - Public UE BUS 9.02 - Lower Mornington Peninsula demand management - Jan2020 - Public UE BUS 9.03 - Feeder demand management - Jan2020 - Public UE BUS 9.04 - Cranbourne terminal station - Jan2020 - Public	
(v)	assumed future embedded generation capacity, and associated assumptions on the impact on demand levels;			UE ATT092 - Load forecasting manual - 2018 - Public UE ATT002 - DAPR 2019 - Dec2019 - Public UE BUS 9.02 - Lower Mornington Peninsula demand management - Jan2020 - Public UE BUS 9.03 - Feeder demand management - Jan2020 - Public UE BUS 9.04 - Cranbourne terminal station - Jan2020 - Public	
(vi)	existing non-network solutions, and the associated assumptions on the impact on demand levels;			UE ATT092 - Load forecasting manual - 2018 - Public UE ATT002 - DAPR 2019 - Dec2019 - Public UE BUS 9.02 - Lower Mornington Peninsula demand management - Jan2020 - Public UE BUS 9.03 - Feeder demand management - Jan2020 - Public UE BUS 9.04 - Cranbourne terminal station - Jan2020 - Public	
(vii)	assumed future non-network solutions, and associated assumptions on the impact on demand levels; and			UE ATT092 - Load forecasting manual - 2018 - Public UE ATT002 - DAPR 2019 - Dec2019 - Public UE BUS 9.02 - Lower Mornington Peninsula demand management - Jan2020 - Public UE BUS 9.03 - Feeder demand management - Jan2020 - Public UE BUS 9.04 - Cranbourne terminal station - Jan2020 - Public	
(viii)	diversity with related substations			UE ATT092 - Load forecasting manual - 2018 - Public UE ATT002 - DAPR 2019 - Dec2019 - Public UE BUS 9.02 - Lower Mornington Peninsula demand management - Jan2020 - Public UE BUS 9.03 - Feeder demand management - Jan2020 - Public UE BUS 9.04 - Cranbourne terminal station - Jan2020 - Public	
16.4	**Provide:**				

(a)	evidence that any independent verifier engaged by United Energy has examined the reasonableness of the method, processes and assumptions in determining the forecasts and has sufficiently capable expertise in undertaking a verification of forecasts; and				We engage an independent consultant, NIEIR, to prepare our top-down maximum demand forecast. The bottom-up forecast is reconciled against this independent top-down forecast. In addition, we engaged an independent consultant, AECOM, to develop a macro-economic forecasting model which we utilise to verify the top-down forecast of NIEIR. REFERENCE Maximum Demand Forecasting Method
(b)	all documentation, analysis and models evidencing the results of the independent verification.			UE ATT104 - Maximum demand forecasting - Jan2020 - Public	Not applicable. NIEIR are an independent forecaster and our demand forecasts are therefore considered to be independently verified.
INCENTIVE SCHEMES AND OTHER REPORTING					
17	**EFFICIENCY BENEFIT SHARING SCHEME**				
17.1	**For the purposes of applying the efficiency benefit sharing scheme:**				
(a)	identify all cost categories proposed to be excluded from the operation of the efficiency benefit sharing scheme;	United Energy - Regulatory proposal - Chapter 10 - Revenue requirement			We propose excluding debt raising costs, demand management innovation allowance and guaranteed service level (GSL) payments from the calculation of the 2021-2026 EBSS carryover.
(b)	explain for each cost category identified in the response to paragraph 17.1(a) the reasons for the proposed exclusion	United Energy - Regulatory proposal - Chapter 10 - Revenue requirement			These exclusions are consistent with the AER's 2016-2020 final determination for calculating the EBSS carryover.
18	**SERVICE TARGET PERFORMANCE INCENTIVE SCHEME**				
18.1	**Provide United Energy's detailed methodology for calculating the following parameters used in the STPIS;**				
(a)	the SAIDI, SAIFI, MAIFI and MAIFIe targets for each supply reliability area;	United Energy - Regulatory proposal - Chapter 10 - Revenue requirement		UE MOD 10.12 - Targets - Jan2020 - Public	We propose calculating the SAIDI, SAIFI and MAIFIe targets in accordance with the AER's 2018 STPIS scheme. To calculate the targets we: • used historical performance data over the five year period from 1 January 2015 to 31 December 2019 • recast our historical data to align with the new definitions in the AER's Distribution Reliability Measures Guideline 2018.
(b)	the customer service parameters and targets;	United Energy - Regulatory proposal - Chapter 10 - Revenue requirement		UE MOD 10.12 - Targets - Jan2020 - Public UE MOD 10.11 - Incentives - Jan2020 - Public	We propose calculating the customer services targets and incentive rates in accordance with the AER's 2018 STPIS scheme. To calculate the customer incentive targets we used historical performance data over the five year period from 1 January 2015 to 31 December 2019.
(c)	daily SAIDI, SAIFI, MAIFI and MAIFIe and customer service performance;	United Energy - Regulatory proposal - Chapter 10 - Revenue requirement		UE MOD 10.12 - Targets - Jan2020 - Public	The daily performance data for SAIDI, SAIFI and MAIFe are sourced from our demand management system. Daily customer service data are sourced from our service provider reports.
(d)	the MED threshold derived from the daily SAIDI data;	United Energy - Regulatory proposal - Chapter 10 - Revenue requirement		UE MOD 10.12 - Targets - Jan2020 - Public	MED threshold for 2021/22 is calculated in accordance with the STPIS guideline.
(e)	the incentive rates to apply to each supply reliability area	United Energy - Regulatory proposal - Chapter 10 - Revenue requirement		UE MOD 10.11 - Incentives - Jan2020 - Public	We propose calculating the SAIDI, SAIFI and MAIFIe incentive rates in accordance with the AER's 2018 STPIS scheme.

	Note: All calculations must be made in accordance with the STPIS and using data which complies with the STPIS definitions. United Energy must provide their SAIDI, SAIFI, MAIFI and MAIFIe targets for each supply reliability area based on historical data and not its forecast SAIDI, SAIFI, MAIFI and MAIFIe for each supply reliability area	United Energy - Regulatory proposal - Chapter 10 - Revenue requirement		UE MOD 10.12 - Targets - Jan2020 - Public	Noted
18.2	**If United Energy proposes adjustments to the STPIS targets away from those based upon raw historical data United Energy must provide, in respect of each adjustment:**				
(a)	the reasons for the adjustment;				Not applicable
(b)	the quantum of the adjustment, and the effect of the adjustment on the targets for each of the supply reliability areas; and				Not applicable
(c)	the method, basis and empirical data used as justification for the adjustment				Not applicable
18.3	**Provide the data required in Workbook 1 – Regulatory determination, regulatory templates 6.1 and 6.2**		UE RIN001 - Workbook 1 - Forecast templates - Jan2020 - Public		
19	**PROPOSED CONTINGENT PROJECTS**				
19.1	**For each contingent project proposed in the regulatory proposal, provide:**				
(a)	a description of the proposed contingent project, including reasons why United Energy considers the project should be accepted as a contingent project for the forthcoming regulatory control period;				Not applicable
(b)	the proposed contingent capex which United Energy considers is reasonably required for the purpose of undertaking the proposed contingent project;				Not applicable
(c)	the methodology used for developing that forecast and the key assumptions that underlie it;				Not applicable
(d)	information that demonstrates that the undertaking of the proposed contingent project is reasonably required to meet one or more of the objectives referred to in clause 6.6A.1(b)(1) of the NER;				Not applicable
(e)	a demonstration that the proposed contingent capex for each proposed contingent project:				Not applicable
(i)	is not included (either in part of in whole) in United Energy's proposed total forecast capex for the forthcoming regulatory control period;				Not applicable
(ii)	reasonably reflects the capex criteria, taking into account the capex factors, in the context of the proposed contingent project; and				Not applicable
(iii)	exceeds either $30 million ($nominal) or 5 per cent of United Energy's proposed annual revenue requirement for the first year of the forthcoming regulatory control period, whichever is larger amount.				Not applicable
(f)	the proposed trigger events relating to the proposed contingent project				Not applicable
19.2	**For each proposed trigger event relating to the proposed contingent project referred to in paragraph 19.1(f), demonstrate:**				
(a)	the proposed trigger event is reasonably specific and capable of objective verification;				Not applicable

(b)	the occurrence of the proposed trigger event makes the undertaking of the proposed contingent project reasonably necessary in order to achieve any of the capex objectives;				Not applicable
(c)	the proposed trigger event generates increased costs or categories of costs that relate to a specific location rather than a condition or event that affects the network as a whole;				Not applicable
(d)	the proposed trigger event is described in such terms that the occurrence of that event or condition is all that is required for the distribution determination to be amended under clause 6.6A.2 of the NER;				Not applicable
(e)	the proposed trigger event is a condition or event, the occurrence of which is probable during the forthcoming regulatory control period, but the inclusion of capex in relation to the proposed trigger event under clause 6.5.7 of the NER is not appropriate because:				Not applicable
(i)	it is not sufficiently certain that the event or condition will occur during the forthcoming regulatory control period or if it may occur after that regulatory control period or not at all; or				Not applicable
(ii)	the costs associated with the event or condition are not sufficiently certain				Not applicable
19.3	**Provide a summary of United Energy's proposed contingent projects for the forthcoming regulatory control period, including the proposed contingent capex and trigger events for each proposed contingent project in the Workbook 1 – Regulatory determination, regulatory template 7.2**				Not applicable
20	**REVENUES FOR STANDARD CONTROL SERVICES**				
20.1	**Provide United Energy's calculation of the unsmoothed and smoothed revenues for each year of the forthcoming regulatory control period using the AER's post-tax revenue model, which is to be submitted as part of United Energy's regulatory proposal**	United Energy - Regulatory proposal - Chapter 10 - Revenue requirement		UE MOD 10.02 - PTRM 2021-26 - Jan2020 - Public	
20.2	**Provide details of any departure from the AER's post-tax revenue model for the calculations referred to in paragraph 21.1 and the reasons for that departure**				Not applicable.
21	**INDICATIVE IMPACT ON ANNUAL ELECTRICITY BILLS**				
21.1	**For the purposes of calculating the impact of United Energy's regulatory proposal on the annual electricity bill of typical residential and business customers in «State_the_Network_operates_in», provide the data/information required in Workbook 7 – Indicative Bill Impact, regulatory template 7.6. Provide the data source for each input used for the calculation**		UE RIN007 - Workbook 7 – Indicative Bill Impact, regulatory template 7.6		
21.2	**The data/information required in Workbook 7 – Indicative Bill Impact, regulatory template 7.6, must not include any data/information in relation to any applicable transmission or jurisidictional scheme pass through costs**				Noted
22	**PROPOSED TARIFF STRUCTURE STATEMENT**				

22.1	**Provide the model(s) used to calculate the long run marginal cost estimates in United Energy's proposed tariff structure statement provided in accordance with the requirements of clauses 6.18.1A(a)(5) and 6.18.5(f) of the NER**			UE ATT025 - ENEA - Long run marginal cost report - Mar2019 - Public	
22.2	**Provide and describe the methodology and assumptions used to prepare the long run marginal cost estimates in paragraph 22.1**			UE APP05 - Tariff structure statement reasons - Jan2020 - Public UE ATT025 - ENEA - Long run marginal cost report - Mar2019 - Public	
22.3	**Describe the relationship between the expenditure, demand and other inputs (as appropriate) used in the model provided under paragraph 22.1 and the expenditure, demand and other forecasts (as appropriate) provided as part of the building block proposal for the forthcoming regulatory control period**				Long run marginal cost was calculated prior to the development of demand and expenditure forecasts for the building block proposal and therefore may not fully align
23	**RATE OF RETURN**				
23.1	For the purposes of assessing United Energy's proposal we require it to provide nominate 'placeholder' averaging periods which will be made public and have been used to calculate an indicative rate of return in Victorian Distribution's regulatory proposal.	United Energy - Regulatory proposal - Chapter 10 - Revenue requirement			
REGULATORY ASSET BASE AND TAX REPORTING					
24	**REGULATORY ASSET BASE**				
24.1	**Provide United Energy's calculation of the regulatory asset base for the relevant distribution system in respect of standard control services for each regulatory year of current regulatory control period using the AER's roll forward model, which is to be submitted as part of the regulatory proposal**			UE MOD 10.01 - RFM 5.5 year 2016-21 - Jan2020 - Public	
24.2	**Provide details of each departure from the underlying methods in the AER's roll forward model for the calculation referred to in paragraph 24.1 and the reasons for that departure.**				Not applicable
24.3	**If the value of the regulatory asset base as at the start of the forthcoming regulatory control period is proposed to be adjusted because of changes to asset service classification, provide details including relevant supporting information used to calculate that adjustment value**				Not applicable
24.4	**Provide details of any departure in the allocation of actual capex, asset disposal and customer contribution values across asset classes in the roll forward model from those reported in the Annual Reporting RIN for the relevant regulatory years and the reasons for that departure**				Not applicable
25	**DEPRECIATION SCHEDULES**				
25.1	**Provide United Energy's calculation of the depreciation amounts for the relevant distribution system in respect of standard control services for each regulatory year of:**				
(a)	the current regulatory control period using the AER's roll forward model, which is to be submitted as part of the regulatory proposal			UE MOD 10.01 - RFM 5.5 year 2016-21 - Jan2020 - Public	
(b)	the forthcoming regulatory control period using the AER's post-tax revenue model, which is to be submitted as part of the regulatory proposal			UE MOD 10.02 - PTRM 2021-26 - Jan2020 - Public	

25.2	**Provide details of any departure from the underlying methods in the AER's roll forward model and post-tax revenue model for the calculations referred to in paragraph 25.1 and the reasons for that departure**				Not applicable
25.3	**Identify any changes to standard asset lives for existing asset classes from the previous determination. Explain the reason(s) for each change and provide supporting information**				We have equalised the standard asset life for equity raising costs to reduce the complexity of depreciation calculations. Equity raising assets comprise less than 1% of the regulatory asset base
25.4	**Identify any changes to new asset classes from the previous determination. Explain the reason(s) for using these new asset classes and provide supporting information on their proposed standard asset lives**				Not applicable
25.5	**If any existing asset classes from the previous determination are proposed to be removed and their residual values to be reallocated to other asset classes, explain the reason(s) for the change and provide supporting information. This should include a demonstration of the materiality of the change on the forecast depreciation allowance**				Not applicable
25.6	**Describe the method used to depreciate existing asset classes as at 1 July 2021 (the start of the forthcoming regulatory control period) and provide supporting calculations, if the approach differs from that in the roll forward model**	United Energy - Regulatory proposal - Chapter 10 - Revenue requirement		UE MOD 10.07 - Accelerated depreciation - Jan 2020 - Public	Certain assets have been separated out for accelerated depreciation. Explanation is provided in the Regulatory proposal and calculations in the model.
26	**CORPORATE TAX ALLOWANCE**				
26.1	**Provide United Energy's calculation of the estimated cost of corporate income tax for the forthcoming regulatory control period using the AER's post-tax revenue model, which is to be submitted as part of the regulatory proposal**			UE MOD 10.02 - PTRM 2021-26 - Jan2020 - Public	
26.2	**Provide details of each departure from the AER's post-tax revenue model for the calculations referred to in paragraph 26.1 and the reasons for that departure**				Not applicable
26.3	**Identify each change to standard tax asset lives for existing asset classes from the previous determination. Explain the reason(s) for the change and provide relevant supporting information, including Federal tax laws governing depreciation for tax purposes**				Not applicable
26.4	**Describe the method used to depreciate existing asset classes as at 1 July 2021 (the start of the forthcoming regulatory control period) for tax purposes and provide supporting calculations, if the approach differs from that in the roll forward model**				Not applicable
26.5	**Provide United Energy's calculation of the tax asset base for the relevant system in respect of standard control services for each regulatory year of the current regulatory control period using the AER's roll forward model, which is to be submitted as part of the regulatory proposal**			UE MOD 10.01 - RFM 5.5 year 2016-21 - Jan2020 - Public	
26.6	**Provide details of each departure from the underlying methods in the AER's roll forward model for the calculation referred to in paragraph 26.5 and the reasons for that departure**				Not applicable

26.7	**Identify each difference in the capitalisation of expenditure for regulatory accounting purposes and tax accounting purposes. Provide reasons and supporting calculations to reconcile any differences between the two forms of accounts.**				Not applicable
26.8	**Please provide the following information regarding immediate expensing capital expenditure for standard control services:**				
26.8 (a)	In Workbook 2 – New CY historical, regulatory template 8.2, table 8.2.7, provide the amount of United Energy's immediate expensing capital expenditure by asset class incurred within the relevant regulatory years. This capex should be consistent with the value of immediate expensing capital expenditure that has or would be included, or forecast to be included, in the income tax returns lodged by United Energy, whether Federal or NTER, for the relevant regulatory years. These reported values should reflect the values arising as a result of the ATO's decision-making process where relevant.				Noted
26.8 (b)	United Energy is to list in Workbook 2 – New CY historical, regulatory template 8.2, table 8.2.7 each asset class specified in its current determination as listed in the AER's final decision in its post-tax revenue model and enter the immediate expensing capital expenditure information against each asset class. Further to this, where there is no actual immediate expensing capital expenditure for a specific asset class for the relevant regulatory year, input the value "0".				Noted
26.8 (c)	List and explain the types of capex (such as refurbishment capex and capitalised overheads) associated with the immediate expensing capital expenditure as reported in Workbook 2 – New CY historical, regulatory template 8.2, table 8.2.7, if any.				Asset replacements and overheads
26.8 (d)	Explain the approach United Energy used to forecast its immediate expensing capital expenditure for the period commencing on 1 January 2021 to 30 June 2021 and the 2022–26 regulatory control period as provided in the proposed post-tax revenue models.	United Energy - Regulatory proposal - Chapter 10 - Revenue requirement			
26.8 (e)	State if United Energy intends to change its tax policy on immediate expensing capital expenditure from its current policy.				No
26.9	The PTRM (version 4) applies the diminishing value (DV) method for tax depreciation purposes to all new depreciable assets except for certain assets. Where United Energy proposes capex associated with buildings and in-house software to be exempted from the DV method of tax depreciation, confirm that the proposal satisfies the following requirements:				
26.9 (a)	Buildings: *Capex* for buildings may be depreciated using the SL method if it satisfies the definition of a capital work under section 43.20 of the *Income Tax Assessment Act 1997* (ITAA).				Not applicable

26.9 (9)	(a) In-house software: Capex for in-house software may be depreciated using the SL method if it satisfies the definition of in-house software under section 995.1 of the ITAA, and may be depreciated using the SL method, consistent with section 40.72 of the ITAA.				Noted
27	**TRANSITIONAL PERIOD**				
27.1	Provide the information required under paragraphs 24-26 in RFM/s and PTRM/s which meet the AER's modelling requirements for the transitional period.			UE MOD 10.08 - RFM 2016-20 - Jan2020 - Public UE MOD 10.09 - PTRM 2021HY - Jan2020 - Public UE MOD 10.10 - Depreciation 2021HY - Jan2020 Public UE MOD 11.05 - Metering RFM 2016-20 - Jan2020 - Public UE MOD 11.06 - Metering PTRM & exit fees 2021HY - Jan2020 - Public	
MISCELLANEOUS REPORTING					
28	**RELATED PARTY TRANSACTIONS**				
28.1	**Identify and describe all entities which:**				
(a)	are a related party to United Energy and contribute to the provision of distribution services; or			UE ATT101 - Related parties - Jan2020 - Public	
(b)	have the capacity to determine the outcome of decisions about United Energy's financial and operating policies			UE ATT101 - Related parties - Jan2020 - Public	
28.2	**Provide a diagram of the organisational structure depicting the relationships between all the entities identified in the response to paragraph 27.1**			UE ATT101 - Related parties - Jan2020 - Public	
28.3	**Identify:**				
(a)	all arrangements or contracts between United Energy and any of the other entities identified in the response to paragraph 27.1 currently in place or expected to be in place during the forthcoming regulatory control period which relate directly or indirectly to the provision of distribution services; and			UE ATT101 - Related parties - Jan2020 - Public	
(b)	the service or services that are the subject of each arrangement or contract			UE ATT101 - Related parties - Jan2020 - Public	
28.4	For each service identified in the response to paragraph 27.3(b):			UE ATT101 - Related parties - Jan2020 - Public	
(a)	provide:				
(i)	a description of the process used to procure the service; and			UE ATT101 - Related parties - Jan2020 - Public	
(ii)	supporting documentation including, but not limited to, requests for tender, tender submissions, internal committee papers evaluating the tenders, contracts between United Energy and the relevant provider			UE ATT108 - Board paper Separation from MG - Dec2018 - Confidential	
(b)	explain:				
(i)	why that service is the subject of an arrangement or contract (i.e. why it is outsourced) instead of being undertaken by United Energy itself;			UE ATT101 - Related parties - Jan2020 - Public	
(ii)	whether the services procured were provided under a standalone contract or provided as part of a broader operational agreement (or similar);			UE ATT101 - Related parties - Jan2020 - Public	
(iii)	whether the services were procured on a genuinely competitive basis and if not, why not; and			UE ATT101 - Related parties - Jan2020 - Public	

(iv)	whether the service (or any component thereof) was further outsourced to another provider by the related party.			UE ATT101 - Related parties - Jan2020 - Public	
29	**VEGETATION MANAGEMENT COMPLIANCE**				
29.1	**Provide compliance audits of vegetation management work conducted by United Energy during the current regulatory control period**			UE ATT015 - ESV - 2019 safety performance - Oct2019 - Public UE ATT016 - ESV - 2018 safety performance - Oct2018 - Public UE ATT017 - ESV - 2017 safety performance - Oct2017 - Public UE ATT018 - ESV - 2016 safety performance - Sep2016 - Public	
30	**CORPORATE STRUCTURE**				
30.1	**Provide charts that set out:**				
(a)	the group corporate structure of which United Energy is a part; and			UE ATT101 - Related parties - Jan2020 - Public	
(b)	the organisational structure of United Energy			UE ATT101 - Related parties - Jan2020 - Public	
31	**FORECAST MAP OF DISTRIBUTION SYSTEM**				
31.1	**Provide a forecast map of United Energy's distribution system for the forthcoming regulatory control period. This map, together with any appropriate accompanying notes, should also indicate the location of new major network assets proposed to be constructed over the forthcoming regulatory control period**			UE RIN018 - Map of distribution system - Jan2020 - Public	
32	**TRANSITIONAL ISSUES**				
32.1	**Provide information on transitional issues (expressly identified in the NER or otherwise) which United Energy expects will have a material impact on it and should be considered by the AER in making its distribution determination. For each issue, set out the following information:**				
(a)	the transitional issue;				There are no transitional issues
(b)	what has caused the transitional issue;				Not applicable
(c)	how the transitional issue impacts on United Energy; and				Not applicable
(d)	how United Energy considers the transitional issue could be addressed				Not applicable
ASSURANCE REQUIIREMENTS					
33	**STATEMENTS**				
33.1	**Provide the audit opinion report and review conclusion statements as applicable, prepared in accordance with the requirements set out in Appendix C**			UE RIN 011 - Deloitte - Audit opinion - Jan2020 - Public	
33.2	**Provide all reports from the auditor to United Energy's management regarding the review conclusion statements and/or auditors' opinions report or assessment.**			UE RIN 011 - Deloitte - Audit opinion - Jan2020 - Public	
OTHER INFORMATION					
34	**CONFIDENTIAL INFORMATION**				
34.1	**This clause applies to any information United Energy provides:**				
(a)	in response to Schedule 1;				Noted
(b)	in a regulatory proposal for the forthcoming regulatory control period (a Proposal)				Noted
(c)	in a revision or amendment to a Proposal; and				Noted
(d)	in a submission United Energy makes regarding a Proposal or a revised or amended Proposal; (together, United Energy's Information)				Noted

34.2	**If United Energy wishes to make a claim for confidentiality over any of United Energy's information, at the same time as making the claim it must, provide the details of that claim in accordance with the requirements of the AER's Confidentiality Guideline, as if it extended and applied to that claim for confidentiality**			UE RIN 012 - Confidentiality claim - Jan2020 - Public	Noted
35	**COMPLIANCE WITH SECTION 71YA OF THE NEL**				
35.1	**Where any expenditure or cost has been incurred or is forecast to be incurred by United Energy, as a result of or incidental to a review under Division 3A – Merits review and other non-judicial review – of the NEL, United Energy must identify the expenditure or cost and provide a statement attesting that:**				
(a)	United Energy has not included any of that expenditure or cost, or any part of that expenditure or cost, in its capital or operating expenditures for a network revenue or pricing determination; and				We have not included any expenditure for costs incurred, or forecast to occur, as a result of, or incidental to, a review under Division 3A – Merits review and other non-judicial review.
(b)	United Energy has not recovered any of that expenditure or cost, or any part of that expenditure or cost, from end users; and				We have not recovered any costs incurred, or forecast to occur, as a result of, or incidental to, a review under Division 3A – Merits review and other non-judicial review.
(c)	United Energy has not sought to pass through any of that expenditure or cost, or any part of that expenditure or cost, to end users; or				We have not sought to pass through any costs incurred, or forecast to occur, as a result of, or incidental to, a review under Division 3A – Merits review and other non-judicial review.
35.2	**Where no expenditure or cost has been incurred or is forecast to be incurred by United Energy, as a result of or incidental to a review under Division 3A – Merits review and other non-judicial review – of the NEL, United Energy must provide a statement attesting that:**				
(i)	No such expenditure or cost has been incurred or is forecast to be incurred				We have not included any expenditure for costs incurred, or forecast to occur, as a result of, or incidental to, a review under Division 3A – Merits review and other non-judicial review.