TABLE OF CONTENTS

1.	Appli	cation letter and Navigation Guidance Table		
2.	List o	f Acronyms and Glossary of Terms	xxx	
3.	Introduction		1	
	3.1	Puke Kapo Hau - Mahinerangi Wind Farm Stage 2	1	
	3.2	Tararua Wind Power Limited	4	
	3.3	Purpose of the Fast-Track Approvals Act 2024	5	
	3.4	Land Ownership and Participation	6	
	3.5	Structure of the Substantive Application	g	
4.	Environmental Setting		11	
	4.1	Introduction	11	
	4.2	General Setting	11	
	4.3	Surrounding Land Uses	13	
	4.4	Zoning and Planning Framework	20	
	4.5	Existing Resource Consents	23	
	4.6	Geology and Geomorphology	27	
	4.7	Landscape, Visual Amenity and Natural Character Values	27	
	4.8	Ecological Values	28	
	4.9	Roading and traffic	35	
	4.10	Noise	36	
	4.11	Recreational Values	36	
	4.12	Archaeological Values	36	
	4.13	Cultural Values	37	
5.	Desci	Description of The Project		
	5.1	The Proposal – Puke Kapo Hau	38	
	5.2	Drivers for Electricity	38	
	5.3	Design Approach and Project Shaping	41	
	5.4	Project Overview	49	
	5.5	Staging and Timeframe of Construction Activities	60	
6.	Approvals needed and Sought under the FTAA		63	
	6.1	Authorisations Required Under the FTAA	63	
	6.2	Resource Management Act 1991	63	
	6.3	Schedule 7 approval relating to the Wildlife Act 1953	73	
	6.4	Schedule 8 approval Relating to the Heritage New Zealand Pouhere Tag	onga	
		Act 2014	74	
	6.5	Authorisations Not Required Under the FTAA	74	
7.	Asses	ssment of Environmental Effects	75	
	7.1	Overview	75	
	7.2	Positive Effects	76	

	7.3	Landscape, Natural Character And Visual Effects	77
	7.4	Effects from Shadow Flicker and Blade Glint	86
	7.5	Noise Effects	87
	7.6	Avifauna Effects	89
	7.7	Terrestrial Ecology Effects	95
	7.8	Natural Inland Wetland Effects	103
	7.9	Aquatic Ecology Effects	119
	7.10	Stormwater Discharge and Erosion and Sediment Effects	126
	7.11	Other Construction and Operational Effects	130
	7.12	Traffic Effects	134
	7.13	Heritage Effects	138
	7.14	Cultural Effects	139
	7.15	Aviation Effects	141
	7.16	Climate Change	141
	7.17	Natural Hazards	142
	7.18	Conclusion	143
	7.19	Management and Monitoring Measures Proposed	144
8.	Mana	gement Plan Structure	155
	8.1	Mitigation, Monitoring and Management	155
9.	Statu	tory Assessment – Resource Consents	175
	9.1	Introduction	175
	9.2	Part 2 RMA 1991 – Section 5, 6 and 7	176
	9.3	Part 3 RMA 1991	179
	9.4	Part 6 RMA 1991	180
	9.5	Relevant Planning Documents	186
	9.6	Other Matters	219
	9.7	Conclusion	223
10.	Const	ultation and Engagement	225
	10.1	Approach to consultation for Stage 2 of Puke Kapo Hau	225
	10.2	Local and Administering Authorities	226
	10.3	Engagement with Tangata Whenua	232
	10.4	Government Agencies	235
	10.5	Other Stakeholders and Members of the Community	236
11.	Archaeological Authority		
	11.1	Background	298
	11.2	Archaeological Context	298
	11.3	Authorities Sought	300
	11.4	FTAA – Schedule 8	300
	11.5	Statutory Assessment	301
	11.6	Assessment of Effects on archaeology	304
	11.7	Management and Monitoring of Effects	305
	11.8	Consultation and Engagement	306
	11.9	Approval of person to carry out activity under archaelogical authorty	307

	11.10	Conclusion	308	
	11.11	Draft Archaelogical Authority and Conditions	308	
12.	Wildli	fe Approvals	315	
	12.1	Background	315	
	12.2	Wildlife context	316	
	12.3	Wildlife Approvals sought	317	
	12.4	Purpose of the Proposed Activity - clause 2(1)(a) Schedule 7	317	
	12.5	Proposed Actions and their Locations	319	
	12.6	Purpose of the Wildlife Act 1953	320	
	12.7	Wildlife Species, Impacts and Practice Standards	322	
	12.8	Methods	326	
	12.9	Location of Activities	329	
	12.10	Temporary holding or relocation of wildlife	331	
	12.11	Actual and Potential Effects on Wildlife	331	
	12.12	Methods to Avoid, Minimise, Offset or Compensate Effects	333	
	12.13	Wildlife Act Offences	335	
	12.14	Consultation and Engagement – clause 2(1)(n) Schedule 7	335	
	12.15	Additional Supporting Documentation	338	
	12.16	Statutory Assessment	338	
	12.17	Proposed Wildlife Approval Conditions	341	
	12.18	Conclusion	342	
13.	Conc	lusion	354	
TABL	E OF	FIGURES		
Figure	3.1:	Overview of Project Site Location	1	
Figure	3.2:	Project Site	3	
64. 4	0			
Figure	3.3:	Land ownership	8	
Figure	4.1:	Looking southwest from the Lammermoor Range to Stage 1 of Puke Kape		
Figure	4.2:	Looking southeast from within the Project Site over Black Rock Scientific Reserve and farmland		
		neseive and idiffidition	14	
Figure	4.3:	Map of adjacent land – 53(2)(h) and (i)	18	
Figure	4.4:	Planning Map of General Location of Puke Kapo Hau (in red)	19	
Figure	4.5:	Mahinerangi Wind Farm Layout (BMPW07190/1)	23	

Consented 100-2MW turbine layout with the general location of the 12 existing Stage 1 turbines identified in red
Ctago / tarbinos lacitanoa in roa
Ecological Sites adjacent to the project site
Contingency Zone changes
Changes to Windfarm Development Area47
Indicative Stage 2 Layout - 54 turbine locations, turbines removed from QEII Covenant Area C (green), removal of Thomas Block (yellow oval) and the new
110 kV transmission line connecting to National Grid48
Example of Permanent Turbine Hardstand
Surplus Fill Disposal Sites
A visual depiction of a BESS
O&M Facility Depiction58
Visual Depiction of the Pole Structures
The "Scrappy Pines Block" (red) in 2013 showing the extent of felled wilding pines
Snow Tussock vegetation and associated habitats in the "Scrappy Pines Block" (2025)
Wetland 20 - Upstream of the Existing Farm Track Crossing and Culvert105
Location of Wetland 20 to the South of Turbine 9106
Wetland 43 - Located East of the Existing Farm Track107
Location of Wetland 43 to the South of Turbine 20108
Three occurrences of functional need for the works associated with the wind farm to be located within 10 m of a wetland
Three occurrences of functional need for the works associated with the
transmission line to be located within 10 m of a wetland11
Proposed Wetland Compensation Site116
Aquatic Compensation Site124
Proposed routes for construction traffic138

	and wider environs. The Pole Track is shown in red299
Figure 12.1:	Falcon Nest Sites330
LIST OF TA	ABLES
Table 3.1:	Landowner Schedule
Table 4.1:	Adjacent Landowners and Occupiers (identified clockwise)
Table 5.1:	'Real World' Consented Layout v Proposed Variation Layout42
Table 6.1:	Key Changes to RM 140965
Table 7.1:	Functional Need Test for Wetlands113
Table 7.2:	Measures proposed within the Wetland Compensation Site117
Table 7.3:	Measures proposed within the Aquatic Compensation Site125
Table 7.4:	Summary of Key Management and Monitoring Measures for Stage 2 of Puke Kapo Hau145
Table 9.1:	Relevant Provisions of the Operative RPS 2019192
Table 9.2:	Relevant Provisions of the Proposed RPS
Table 9.3:	Relevant provisions of the Regional Plan: Water for Otago207
Table 9.4:	Relevant provisions of the Regional Plan: Waste for Otago212
Table 9.5:	Relevant Provisions in the Clutha District Plan213
Table 9.6:	Assessment of the Objectives and Policies of the Kai Tahu ki Otago Natural Resource Management Plan 2005
Table 10.1:	Summary of consultation feedback from Otago Regional Council239
Table 10.2:	Summary of consultation feedback from Clutha District Council258
Table 10.3:	Summary of consultation feedback from The Department of Conservation Te Papa Atawhai
Table 10.4:	Record of Key Consultation Dates with Local and Administering Authorities and Government Agencies

Figure 11.1: Recorded archaeological sites with the wind farm, transmission line corridor

Table 12.1:	Falcon Capture and Handling Standard Practice	.322
Table 12.2:	Lizard Salvage and Relocation Principles	.324
Table 12.3:	Actual and Potential Wildlife Effects on Avifauna	.332
Table 12.4:	Management of Effects on Avifauna	.333