


## **APPENDIX B    CAPTIAL COST ESTIMATES**

## TRANSMISSION PROJECT COST SUMMARY

AESO Project Name & No.	Rattlesnake Ridge MPC Wind	P2212	 <small>A BERKSHIRE HATHAWAY ENERGY COMPANY</small>		
Prepared by:	RES				
AACE Class:	3	Estimate Basis			Service Proposal
High Range	20%	Low Range			-10%
Date of Estimate:	November 8, 2019	Base Year \$			2019
In Service Date	7/30/2021	In Service Year \$			2021
	SYSTEM	PARTICIPANT	TOTAL	ASSUMPTIONS	
<b>TRANSMISSION LINE</b>					
Material	\$ -	\$ 55,000	\$ 55,000		
Labour	\$ -	\$ 70,000	\$ 70,000		
Supply & Install	\$ -	\$ -	\$ -		
<b>TOTAL TRANSMISSION LINE</b>	<b>\$ -</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>		
<b>SUBSTATION</b>					
Material	\$ -	\$ -	\$ -		
Labour	\$ -	\$ -	\$ -		
Supply & Install	\$ -	\$ -	\$ -		
<b>TOTAL SUBSTATION</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>		
<b>TELECOMMUNICATION</b>					
Material	\$ -	\$ -	\$ -		
Labour	\$ -	\$ -	\$ -		
Supply & Install	\$ -	\$ -	\$ -		
<b>TOTAL TELECOMMUNICATIONS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>		
<b>OWNERS</b>					
Pre-SP Cost	\$ -	\$ 65,000	\$ 65,000		
Service Proposal	\$ -	\$ 1,000	\$ 1,000		
Facility Applications	\$ -	\$ -	\$ -		
Regulatory & Compliance	\$ -	\$ -	\$ -		
Land Rights - Easements	\$ -	\$ -	\$ -		
Land - Damage Claims	\$ -	\$ -	\$ -		
Land - Acquisitions	\$ -	\$ -	\$ -		
Land - Other	\$ -	\$ -	\$ -		
<b>TOTAL OWNERS COST</b>	<b>\$ -</b>	<b>\$ 66,000</b>	<b>\$ 66,000</b>		
<b>DISTRIBUTED</b>					
Procurement Management	\$ -	\$ -	\$ -		
Project Management	\$ -	\$ 6,250	\$ 6,250		
Construction Management	\$ -	\$ 6,250	\$ 6,250		
Contingency	\$ -	\$ 12,500	\$ 12,500		
Escalation	\$ -	\$ -	\$ -		
<b>TOTAL DISTRIBUTED</b>	<b>\$ -</b>	<b>\$ 25,000</b>	<b>\$ 25,000</b>		
<b>SALVAGE</b>					
Transmission Line Labour	\$ -	\$ -	\$ -		
Substation Labour	\$ -	\$ -	\$ -		
Telecom Labour	\$ -	\$ -	\$ -		
Land Remediation and Reclamation	\$ -	\$ -	\$ -		
<b>TOTAL SALVAGE</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>		
<b>OTHER COSTS</b>					
AFUDC			\$ -		
E&S			\$ -		
<b>TOTAL OTHER</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>		
<b>TOTAL PROJECT</b>	<b>\$ -</b>	<b>\$ 216,000</b>	<b>\$ 216,000</b>		

Project Name & No.	BHEC Rattlesnake Ridge MPC		D.0760		TRANSMISSION PROJECT ESTIMATE SUMMARY	Capital Maintenance (if applicable)	
Prepared by:	AltaLink Management Ltd.						
AACE Class: (future use)	3	Estimate Basis	Facility Application				
High Range	20%	Low Range	-10%				
Date of Estimate:	25-Nov-19	Base Year Used	2019				
In Service Date:	30-Jul-21						
	SYSTEM	CUSTOMER	TOTAL	ASSUMPTIONS			
<b>TRANSMISSION LINE</b>							
Material	\$ -	\$ 11,636	\$ 11,636		\$ -		
Labour	\$ -	\$ 178,402	\$ 178,402		\$ -		
Supply & Install	\$ -	\$ -	\$ -		\$ -		
<b>TOTAL TRANSMISSION LINE</b>	<b>\$ -</b>	<b>\$ 190,038</b>	<b>\$ 190,038</b>		<b>\$ -</b>		
<b>SUBSTATION</b>							
Material	\$ -	\$ 121,434	\$ 121,434		\$ -		
Labour	\$ -	\$ 444,545	\$ 444,545		\$ -		
Supply & Install	\$ -	\$ -	\$ -		\$ -		
<b>TOTAL SUBSTATION</b>	<b>\$ -</b>	<b>\$ 565,979</b>	<b>\$ 565,979</b>		<b>\$ -</b>		
<b>TELECOMMUNICATION</b>							
Material	\$ -	\$ 163,262	\$ 163,262		\$ -		
Labour	\$ -	\$ 375,940	\$ 375,940		\$ -		
Supply & Install	\$ -	\$ -	\$ -		\$ -		
<b>TOTAL TELECOMMUNICATIONS</b>	<b>\$ -</b>	<b>\$ 539,202</b>	<b>\$ 539,202</b>		<b>\$ -</b>		
<b>OWNERS</b>							
Pre-SP cost	\$ -	\$ 1,749	\$ 1,749		\$ -		
Proposal to Provide Service	\$ -	\$ 64,220	\$ 64,220		\$ -		
Facility Applications	\$ -	\$ 85,073	\$ 85,073		\$ -		
Regulatory & Compliance	\$ -	\$ -	\$ -		\$ -		
Land Rights - Easements	\$ -	\$ 13,794	\$ 13,794		\$ -		
Land - Damage Claims	\$ -	\$ -	\$ -		\$ -		
Land - Acquisitions	\$ -	\$ -	\$ -		\$ -		
Other	\$ -	\$ -	\$ -		\$ -		
<b>TOTAL OWNERS COST</b>	<b>\$ -</b>	<b>\$ 164,835</b>	<b>\$ 164,835</b>		<b>\$ -</b>		
<b>DISTRIBUTED</b>							
Procurement Management	\$ -	\$ 11,144	\$ 11,144		\$ -		
Project Management	\$ -	\$ 242,518	\$ 242,518		\$ -		
Construction Management	\$ -	\$ 118,595	\$ 118,595		\$ -		
Contingency	\$ -	\$ 184,000	\$ 184,000		\$ -		
Escalation	\$ -	\$ 45,113	\$ 45,113		\$ -		
<b>TOTAL DISTRIBUTED</b>	<b>\$ -</b>	<b>\$ 601,370</b>	<b>\$ 601,370</b>		<b>\$ -</b>		
<b>SALVAGE</b>							
Transmission Line Labour	\$ -	\$ -	\$ -		\$ -		
Substation Labour	\$ -	\$ -	\$ -		\$ -		
Telecom Labour	\$ -	\$ -	\$ -		\$ -		
Land Remediation and Reclamation	\$ -	\$ -	\$ -		\$ -		
<b>TOTAL SALVAGE</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>		<b>\$ -</b>		
<b>OTHER COSTS</b>							
AFUDC	\$ -	\$ -	\$ -		\$ -		
E&S/Overhead	\$ -	\$ 185,681	\$ 185,681		\$ -		
<b>TOTAL OTHER</b>	<b>\$ -</b>	<b>\$ 185,681</b>	<b>\$ 185,681</b>		<b>\$ -</b>		
<b>TOTAL PROJECT</b>	<b>\$ -</b>	<b>\$ 2,247,105</b>	<b>\$ 2,247,105</b>		<b>\$ -</b>		