

Westcoast Energy Inc. Sunrise Expansion Program Environmental and Socio-Economic Assessment (ESA) Report Document Index

The Application for the Sunrise Expansion Program was filed with the Canada Energy Regulator (CER) on May 30, 2024 and is available through [REGDOCS](#) at CER Filing IDs [C29824](#), [C29826](#), and [C29827](#). The following table provides a hyperlinked index to the Environmental and Socio-Economic Assessment (ESA) report comprising Appendix 8-1 of the Application.

Name	ESA sections covered in document	Link to document
C29824-22 Appendix 8-1 - Environmental and Socio-Economic Assessment Report - A8Y4T4	<ul style="list-style-type: none"> ▪ Executive Summary ▪ Table of Contents ▪ Section 1: Introduction ▪ Section 2: Project Description ▪ Section 3: Engagement ▪ Section 4: Assessment Methodology 	Link
C29824-23 Appendix 8-1 - Environmental and Socio-Economic Assessment Report (Part 2 of 8) - A8Y4T4	<ul style="list-style-type: none"> ▪ Partial Section 4: Assessment Methodology 	Link
C29824-24 Appendix 8-1 - Environmental and Socio-Economic Assessment Report (Part 3 of 8) - A8Y4T5	<ul style="list-style-type: none"> ▪ Partial Section 4: Assessment Methodology ▪ Section 5: Physical Environment ▪ Section 6: Soil and Soil Productivity ▪ Section 7: Vegetation (partial) 	Link
C29824-25 Appendix 8-1 - Environmental and Socio-Economic Assessment Report (Part 4 of 8) - A8Y4T6	<ul style="list-style-type: none"> ▪ Section 7: Vegetation (partial) ▪ Section 8: Water Quality and Quantity ▪ Section 9: Fish and Fish Habitat ▪ Section 10: Wetland Function ▪ Section 11: Wildlife and Wildlife Habitat (partial) 	Link
C29824-26 Appendix 8-1 - Environmental and Socio-Economic Assessment Report (Part 5 of 8) - A8Y4T7	<ul style="list-style-type: none"> ▪ Section 11: Wildlife and Wildlife Habitat (partial) 	Link
C29824-27 Appendix 8-1 - Environmental and Socio-Economic Assessment Report (Part 6 of 8) - A8Y4T8	<ul style="list-style-type: none"> ▪ Section 11: Wildlife and Wildlife Habitat (partial) 	Link

Name	ESA sections covered in document	Link to document
C29824-28 Appendix 8-1 - Environmental and Socio-Economic Assessment Report (Part 7 of 8) - A8Y4T9	<ul style="list-style-type: none"> ▪ Section 11: Wildlife and Wildlife Habitat (partial) ▪ Section 12: Air Quality ▪ Section 13: Acoustics ▪ Section 14: Greenhouse Gas Emissions ▪ Section 15: Human Occupancy and Resource Use ▪ Section 16: Heritage Resources ▪ Section 17: Traditional Land and Resource Use (partial) 	Link
C29824-29 Appendix 8-1 - Environmental and Socio-Economic Assessment Report (Part 8 of 8) - A8Y4U0	<ul style="list-style-type: none"> ▪ Section 17: Traditional Land and Resource Use (partial) ▪ Section 18: Rights of Indigenous Peoples ▪ Section 19: Human Health ▪ Section 20: Infrastructure and Services ▪ Section 21: Employment and Economy ▪ Section 22: Social and Cultural Well-Being ▪ Section 23: Effects of the Environment on the Project ▪ Section 24: Accidents and Malfunctions ▪ Section 25: Indigenous Groups ESA Contributions ▪ Section 26: Inspection, Monitoring, and Follow-Up ▪ Section 27: Summary and Overview of Project Effects 	Link
C29824-30 Appendix 8-1 - ESA - Appendix A - Environmental Protection Plans (Part 1 of 3) - A8Y4U1	<ul style="list-style-type: none"> ▪ Appendix A: Environmental Protection Plan (partial) 	Link
C29824-31 Appendix 8-1 - ESA - Appendix A - Environmental Protection Plans (Part 2 of 3) - A8Y4U2	<ul style="list-style-type: none"> ▪ Appendix A: Environmental Protection Plan (partial) 	Link
C29824-32 Appendix 8-1 - ESA - Appendix A - Environmental Protection Plans (Part 3 of 3) - A8Y4U3	<ul style="list-style-type: none"> ▪ Appendix A: Environmental Protection Plan (partial) 	Link
C29824-33 Appendix 8-1 - ESA - Appendix B - Concordance Table - A8Y4U4	<ul style="list-style-type: none"> ▪ Appendix B: Concordance Table 	Link

Name	ESA sections covered in document	Link to document
<i>Geotechnical</i>		
C29824-34 Appendix 8-1 - ESA - Appendix C - Geotechnical Hazard Assessment (Part 1 of 4) - A8Y4U5	<ul style="list-style-type: none"> ▪ Appendix C: Geotechnical Hazard Assessment 	Link
C29824-35 Appendix 8-1 - ESA - Appendix C - Geotechnical Hazard Assessment (Part 2 of 4) - A8Y4U6		Link
C29824-36 Appendix 8-1 - ESA - Appendix C - Geotechnical Hazard Assessment (Part 3 of 4) - A8Y4U7		Link
C29824-37 Appendix 8-1 - ESA - Appendix C - Geotechnical Hazard Assessment (Part 4 of 4) - A8Y4U8		Link
<i>Soils</i>		
C29824-38 Appendix 8-1 - ESA - Appendix D - Soils Technical Data Report (Part 1 of 5) - A8Y4U9	<ul style="list-style-type: none"> ▪ Appendix D: Soils Technical Data Report 	Link
C29824-39 Appendix 8-1 - ESA - Appendix D - Soils Technical Data Report (Part 2 of 5) - A8Y4V0		Link
C29824-40 Appendix 8-1 - ESA - Appendix D - Soils Technical Data Report (Part 3 of 5) - A8Y4V1		Link
C29824-41 Appendix 8-1 - ESA - Appendix D - Soils Technical Data Report (Part 4 of 5) - A8Y4V2		Link
C29824-42 Appendix 8-1 - ESA - Appendix D - Soils Technical Data Report (Part 5 of 5) - A8Y4V3		Link
<i>Air Quality</i>		
C29824-43 Appendix 8-1 - ESA - Appendix E - Air Quality (Part 1 of 5) - A8Y4V4	<ul style="list-style-type: none"> ▪ Appendix E: Air Quality Technical Data Report 	Link
C29824-44 Appendix 8-1 - ESA - Appendix E - Air Quality (Part 2 of 5) - A8Y4V5		Link
C29824-45 Appendix 8-1 - ESA - Appendix E - Air Quality (Part 3 of 5) - A8Y4V6		Link

Name	ESA sections covered in document	Link to document
C29824-46 Appendix 8-1 - ESA - Appendix E - Air Quality (Part 4 of 5) - A8Y4V7		Link
C29824-47 Appendix 8-1 - ESA - Appendix E - Air Quality (Part 5 of 5) - A8Y4V8		Link
<i>Greenhouse Gas Emissions and Climate Change</i>		
C29824-48 Appendix 8-1 - ESA - Appendix F - Strategic Assessment of Climate Change - A8Y4V9	<ul style="list-style-type: none"> Appendix F: Greenhouse Gas and Strategic Assessment of Climate Change Technical Data Reports 	Link
<i>Noise Impact Assessment</i>		
C29826-1 Appendix 8-1 - ESA - Appendix G - Noise Impact Assessment (Part 1 of 3) - A8Y4W4	<ul style="list-style-type: none"> Appendix G: Noise Impact Assessment Technical Data Report 	Link
C29826-2 Appendix 8-1 - ESA - Appendix G - Noise Impact Assessment (Part 2 of 3) - A8Y4W5		Link
C29826-3 Appendix 8-1 - ESA - Appendix G - Noise Impact Assessment (Part 3 of 3) - A8Y4W6		Link
<i>Aquatics</i>		
C29826-4 Appendix 8-1 - ESA - Appendix H - Aquatics Technical Data Report (Part 1 of 29) - A8Y4W7	<ul style="list-style-type: none"> Appendix H: Aquatics Technical Data Report 	Link
C29826-5 Appendix 8-1 - ESA - Appendix H - Aquatics Technical Data Report (Part 2 of 29) - A8Y4W8		Link
C29826-6 Appendix 8-1 - ESA - Appendix H - Aquatics Technical Data Report (Part 3 of 29) - A8Y4W9		Link
C29826-7 Appendix 8-1 - ESA - Appendix H - Aquatics Technical Data Report (Part 4 of 29) - A8Y4X0		Link
C29826-8 Appendix 8-1 - ESA - Appendix H - Aquatics Technical Data Report (Part 5 of 29) - A8Y4X1		Link
C29826-9 Appendix 8-1 - ESA - Appendix H - Aquatics Technical Data Report (Part 6 of 29) - A8Y4X2		Link

Name	ESA sections covered in document	Link to document
C29826-10 Appendix 8-1 - ESA - Appendix H - Aquatics Technical Data Report (Part 7 of 29) - A8Y4X3		Link
C29826-11 Appendix 8-1 - ESA - Appendix H - Aquatics Technical Data Report (Part 8 of 29) - A8Y4X4		Link
C29826-12 Appendix 8-1 - ESA - Appendix H - Aquatics Technical Data Report (Part 9 of 29) - A8Y4X5		Link
C29826-13 Appendix 8-1 - ESA - Appendix H - Aquatics Technical Data Report (Part 10 of 29) - A8Y4X6		Link
C29826-14 Appendix 8-1 - ESA - Appendix H - Aquatics Technical Data Report (Part 11 of 29) - A8Y4X7		Link
C29826-15 Appendix 8-1 - ESA - Appendix H - Aquatics Technical Data Report (Part 12 of 29) - A8Y4X8		Link
C29826-16 Appendix 8-1 - ESA - Appendix H - Aquatics Technical Data Report (Part 13 of 29) - A8Y4X9		Link
C29826-17 Appendix 8-1 - ESA - Appendix H - Aquatics Technical Data Report (Part 14 of 29) - A8Y4Y0		Link
C29826-18 Appendix 8-1 - ESA - Appendix H - Aquatics Technical Data Report (Part 15 of 29) - A8Y4Y1		Link
C29826-19 Appendix 8-1 - ESA - Appendix H - Aquatics Technical Data Report (Part 16 of 29) - A8Y4Y2		Link
C29826-20 Appendix 8-1 - ESA - Appendix H - Aquatics Technical Data Report (Part 17 of 29) - A8Y4Y3		Link
C29826-21 Appendix 8-1 - ESA - Appendix H - Aquatics Technical Data Report (Part 18 of 29) - A8Y4Y4		Link
C29826-22 Appendix 8-1 - ESA - Appendix H - Aquatics Technical Data Report (Part 19 of 29) - A8Y4Y5		Link

Name	ESA sections covered in document	Link to document
C29826-23 Appendix 8-1 - ESA - Appendix H - Aquatics Technical Data Report (Part 20 of 29) - A8Y4Y6		Link
C29826-24 Appendix 8-1 - ESA - Appendix H - Aquatics Technical Data Report (Part 21 of 29) - A8Y4Y7		Link
C29826-25 Appendix 8-1 - ESA - Appendix H - Aquatics Technical Data Report (Part 22 of 29) - A8Y4Y8		Link
C29826-26 Appendix 8-1 - ESA - Appendix H - Aquatics Technical Data Report (Part 23 of 29) - A8Y4Y9		Link
C29826-27 Appendix 8-1 - ESA - Appendix H - Aquatics Technical Data Report (Part 24 of 29) - A8Y4Z0		Link
C29826-28 Appendix 8-1 - ESA - Appendix H - Aquatics Technical Data Report (Part 25 of 29) - A8Y4Z1		Link
C29826-29 Appendix 8-1 - ESA - Appendix H - Aquatics Technical Data Report (Part 26 of 29) - A8Y4Z2		Link
C29826-30 Appendix 8-1 - ESA - Appendix H - Aquatics Technical Data Report (Part 27 of 29) - A8Y4Z3		Link
C29826-31 Appendix 8-1 - ESA - Appendix H - Aquatics Technical Data Report (Part 28 of 29) - A8Y4Z4		Link
C29826-32 Appendix 8-1 - ESA - Appendix H - Aquatics Technical Data Report (Part 29 of 29) - A8Y4Z5		Link
Vegetation		
C29826-33 Appendix 8-1 - ESA - Appendix I - Vegetation Technical Data Report (Part 1 of 26) - A8Y4Z6	<ul style="list-style-type: none"> ▪ Appendix I: Vegetation Technical Data Report 	Link
C29826-34 Appendix 8-1 - ESA - Appendix I - Vegetation Technical Data Report (Part 2 of 26) - A8Y4Z7		Link
C29826-35 Appendix 8-1 - ESA - Appendix I - Vegetation Technical Data Report (Part 3 of 26) - A8Y4Z8		Link

Name	ESA sections covered in document	Link to document
C29826-36 Appendix 8-1 - ESA - Appendix I - Vegetation Technical Data Report (Part 4 of 26) - A8Y4Z9		Link
C29826-37 Appendix 8-1 - ESA - Appendix I - Vegetation Technical Data Report (Part 5 of 26) - A8Y5A0		Link
C29826-38 Appendix 8-1 - ESA - Appendix I - Vegetation Technical Data Report (Part 6 of 26) - A8Y5A1		Link
C29826-39 Appendix 8-1 - ESA - Appendix I - Vegetation Technical Data Report (Part 7 of 26) - A8Y5A2		Link
C29826-40 Appendix 8-1 - ESA - Appendix I - Vegetation Technical Data Report (Part 8 of 26) - A8Y5A3		Link
C29826-41 Appendix 8-1 - ESA - Appendix I - Vegetation Technical Data Report (Part 9 of 26) - A8Y5A4		Link
C29826-42 Appendix 8-1 - ESA - Appendix I - Vegetation Technical Data Report (Part 10 of 26) - A8Y5A5		Link
C29826-43 Appendix 8-1 - ESA - Appendix I - Vegetation Technical Data Report (Part 11 of 26) - A8Y5A6		Link
C29826-44 Appendix 8-1 - ESA - Appendix I - Vegetation Technical Data Report (Part 12 of 26) - A8Y5A7		Link
C29826-45 Appendix 8-1 - ESA - Appendix I - Vegetation Technical Data Report (Part 13 of 26) - A8Y5A8		Link
C29826-46 Appendix 8-1 - ESA - Appendix I - Vegetation Technical Data Report (Part 14 of 26) - A8Y5A9		Link
C29826-47 Appendix 8-1 - ESA - Appendix I - Vegetation Technical Data Report (Part 15 of 26) - A8Y5C0		Link
C29826-48 Appendix 8-1 - ESA - Appendix I - Vegetation Technical Data Report (Part 16 of 26) - A8Y5C1		Link

Name	ESA sections covered in document	Link to document
C29826-49 Appendix 8-1 - ESA - Appendix I - Vegetation Technical Data Report (Part 17 of 26) - A8Y5C2		Link
C29826-50 Appendix 8-1 - ESA - Appendix I - Vegetation Technical Data Report (Part 18 of 26) - A8Y5C3		Link
C29827-1 Appendix 8-1 - ESA - Appendix I - Vegetation Technical Data Report (Part 19 of 26) - A8Y5C5		Link
C29827-2 Appendix 8-1 - ESA - Appendix I - Vegetation Technical Data Report (Part 20 of 26) - A8Y5C6		Link
C29827-3 Appendix 8-1 - ESA - Appendix I - Vegetation Technical Data Report (Part 21 of 26) - A8Y5C7		Link
C29827-4 Appendix 8-1 - ESA - Appendix I - Vegetation Technical Data Report (Part 22 of 26) - A8Y5C8		Link
C29827-5 Appendix 8-1 - ESA - Appendix I - Vegetation Technical Data Report (Part 23 of 26) - A8Y5C9		Link
C29827-6 Appendix 8-1 - ESA - Appendix I - Vegetation Technical Data Report (Part 24 of 26) - A8Y5D0		Link
C29827-7 Appendix 8-1 - ESA - Appendix I - Vegetation Technical Data Report (Part 25 of 26) - A8Y5D1		Link
C29827-8 Appendix 8-1 - ESA - Appendix I - Vegetation Technical Data Report (Part 26 of 26) - A8Y5D2		Link
Wetlands		
C29827-9 Appendix 8-1 - ESA - Appendix J - Wetland Function Technical Data Report (Part 1 of 17) - A8Y5D3	<ul style="list-style-type: none"> ▪ Appendix J: Wetland Function Technical Data Report 	Link
C29827-10 Appendix 8-1 - ESA - Appendix J - Wetland Function Technical Data Report (Part 2 of 17)- A8Y5D4		Link
C29827-11 Appendix 8-1 - ESA - Appendix J - Wetland Function Technical Data Report (Part 3 of 17) - A8Y5D5		Link

Name	ESA sections covered in document	Link to document
C29827-12 Appendix 8-1 - ESA - Appendix J - Wetland Function Technical Data Report (Part 4 of 17) - A8Y5D6		Link
C29827-13 Appendix 8-1 - ESA - Appendix J - Wetland Function Technical Data Report (Part 5 of 17) - A8Y5D7		Link
C29827-14 Appendix 8-1 - ESA - Appendix J - Wetland Function Technical Data Report (Part 6 of 17) - A8Y5D8		Link
C29827-15 Appendix 8-1 - ESA - Appendix J - Wetland Function Technical Data Report (Part 7 of 17) - A8Y5D9		Link
C29827-16 Appendix 8-1 - ESA - Appendix J - Wetland Function Technical Data Report (Part 8 of 17) - A8Y5E0		Link
C29827-17 Appendix 8-1 - ESA - Appendix J - Wetland Function Technical Data Report (Part 9 of 17) - A8Y5E1		Link
C29827-18 Appendix 8-1 - ESA - Appendix J - Wetland Function Technical Data Report (Part 10 of 17) - A8Y5E2		Link
C29827-19 Appendix 8-1 - ESA - Appendix J - Wetland Function Technical Data Report (Part 11 of 17) - A8Y5E3		Link
C29827-20 Appendix 8-1 - ESA - Appendix J - Wetland Function Technical Data Report (Part 12 of 17) - A8Y5E4		Link
C29827-21 Appendix 8-1 - ESA - Appendix J - Wetland Function Technical Data Report (Part 13 of 17) - A8Y5E5		Link
C29827-22 Appendix 8-1 - ESA - Appendix J - Wetland Function Technical Data Report (Part 14 of 17) - A8Y5E6		Link
C29827-23 Appendix 8-1 - ESA - Appendix J - Wetland Function Technical Data Report (Part 15 of 17) - A8Y5E7		Link

Name	ESA sections covered in document	Link to document
C29827-24 Appendix 8-1 - ESA - Appendix J - Wetland Function Technical Data Report (Part 16 of 17) - A8Y5E8		Link
C29827-25 Appendix 8-1 - ESA - Appendix J - Wetland Function Technical Data Report (Part 17 of 17) - A8Y5E9		Link
C29827-26 Appendix 8-1 - ESA - Appendix K - Wildlife - A8Y5F0	<ul style="list-style-type: none"> ▪ Appendix K: Wildlife 	Link
C29827-27 Appendix 8-1 - ESA - Appendix L - Fossil Overview and Analysis Technical Data Report - A8Y5F1	<ul style="list-style-type: none"> ▪ Appendix L: Fossil Overview and Analysis Technical Data Report 	Link
C29827-28 Appendix 8-1 - ESA - Appendix M - Forest Resources Baseline Assessment (Part 1 of 2) - A8Y5F2	<ul style="list-style-type: none"> ▪ Appendix M: Forest Resources Baseline Assessment 	Link
C29827-29 Appendix 8-1 - ESA - Appendix M - Forest Resources Baseline Assessment (Part 2 of 2) - A8Y5F3		Link
C29827-30 Appendix 8-1 - ESA - Appendix N - Socio-Economic Technical Data Report - A8Y5F4	<ul style="list-style-type: none"> ▪ Appendix N: Socio-Economic Technical Data Report 	Link
C29827-31 Appendix 8-1 - ESA - Appendix O - Economic Technical Data Report - A8Y5F5	<ul style="list-style-type: none"> ▪ Appendix O: Economic Technical Data Report 	Link
C29827-32 Appendix 8-1 - ESA - Appendix P - Traditional Land and Resource Use Technical Data Report - A8Y5F6	<ul style="list-style-type: none"> ▪ Appendix P: Traditional Land and Resource Use Technical Data Report 	Link
C29827-33 Appendix 8-1 - ESA - Appendix Q - Decommissioning and Abandonment Plan - A8Y5F7	<ul style="list-style-type: none"> ▪ Appendix Q: Decommissioning and Abandonment Plan 	Link
C29827-34 Appendix 8-1 - ESA - Appendix R - Heritage Conservation Act Permits and SOE Reports (Part 1 of 5) - A8Y5F8	<ul style="list-style-type: none"> ▪ Appendix R: Heritage Conservation Act Permits and SOE Reports 	Link
C29827-35 Appendix 8-1 - ESA - Appendix R - Heritage Conservation Act Permits and SOE Reports (Part 2 of 5) - A8Y5F9		Link

Name	ESA sections covered in document	Link to document
C29827-36 Appendix 8-1 - ESA - Appendix R - Heritage Conservation Act Permits and SOE Reports (Part 3 of 5) - A8Y5G0		Link
C29827-37 Appendix 8-1 - ESA - Appendix R - Heritage Conservation Act Permits and SOE Reports (Part 4 of 5) - A8Y5G1		Link
C29827-38 Appendix 8-1 - ESA - Appendix R - Heritage Conservation Act Permits and SOE Reports (Part 5 of 5) - A8Y5G2		Link
C29827-39 Appendix 8-1 - ESA - Appendix S - Reasonably Foreseeable Projects - A8Y5G3	<ul style="list-style-type: none"> ▪ Appendix S: Reasonably Foreseeable Projects 	Link

Links to CER Website (bulk upload):

1. [Canada Energy Regulator - REGDOCS - C29824 Westcoast Energy Inc. - Sunrise Expansion Program - Application Pursuant to Section 183 of the Canadian Energy Regulator Act \(Part 1 of 3\) \(cer-rec.gc.ca\)](#)
2. [Canada Energy Regulator - REGDOCS - C29826 Westcoast Energy Inc. - Sunrise Expansion Program - Application Pursuant to Section 183 of the Canadian Energy Regulator Act \(Part 2 of 3\) \(cer-rec.gc.ca\)](#)
3. [Canada Energy Regulator - REGDOCS - C29827 Westcoast Energy Inc. - Sunrise Expansion Program - Application Pursuant to Section 183 of the Canadian Energy Regulator Act \(Part 3 of 3\) \(cer-rec.gc.ca\)](#)