

## SILVACOM'S HABITAT RESTORATION SERVICES

One of North America's leading energy delivery companies, established in the mid-20th century, is renowned for providing essential energy infrastructure and services. This company manages an expansive network of liquid petroleum pipelines, natural gas transmission and distribution systems, and is actively investing in renewable energy solutions. Their commitment to sustainability has driven them to invest in wind, solar, and geothermal projects, setting ambitious carbon reduction targets. This dedication positions them as a leader in merging traditional energy delivery with innovative, sustainable practices.

## DISCOVERY OF SILVACOM ENERGY AND ENVIRONMENT

A leading energy delivery company turned to us after researching top-performing linear restoration projects. They were impressed by our extensive experience and expertise in environmental management and innovative technology solutions.

## LET US HELP YOU ACHIEVE YOUR HABITAT RESTORATION GOALS

**Our advanced analytics and ecosystem assessment capabilities will enable you to:**

Address regulatory compliance with confidence | Achieve ecological restoration success | Reinforce your commitment to a sustainable future

## PIPELINE HABITAT RESTORATION CHALLENGES FACED

An emerging requirement under Alberta's Sub-Regional planning process is **Pipeline Habitat Restoration**, which poses several challenges for industry. The leading energy delivery company recognizes that achieving project success requires overcoming significant business and project challenges that include:

## PROJECT CHALLENGES

- **Regulatory Compliance Complexity:** Navigating diverse regulatory landscapes for Pipeline Habitat Restoration poses significant challenges that require thorough understanding and strategy.
- **Engagement and Coordination with Indigenous Communities:** Respectful and effective engagement with Indigenous communities and stakeholders demands coordinated efforts and respect for traditional land uses and ecological knowledge.

## BUSINESS CHALLENGES

- **Navigating Regional Plan Requirements:** Aligning with specific regional plan requirements for revegetation along Right-Of-Ways (ROW) with active pipelines is complex and demands precision.
- **Habitat Restoration Alignment:** Incorporating revegetation efforts with specific habitat restoration goals requires meticulous planning and execution to meet ecological objectives.
- **Project Management and Execution:** The need for robust systems and processes to seamlessly manage projects from the initial planning stage to execution is critical.

## NEEDS AND GOALS

- **High-Resolution Geospatial Data:** Access to detailed geospatial data is essential for conducting accurate ecosystem assessments and informed decision-making.
- **Efficient Data Integration and Management Tools:** Advanced tools are necessary to handle and integrate multifaceted data streams effectively due to the complexity of projects.
- **Stakeholder Communication and Regulatory Submissions:** Efficient data solutions that enable clear communication with diverse stakeholders and smooth regulatory submissions are crucial for project progress.

# SILVACOM ENERGY AND ENVIRONMENT SOLUTIONS

Leveraging Silvacom's **15+ years of experience** in providing advanced analytics for regulatory and ecological excellence, the leading energy delivery company engaged Silvacom to design environmental management and technology solutions to address site-level, landscape, and stakeholder needs with precision. Proven expertise with **40+ years in natural resource management**.

## EXPECTED IMPACT OF SILVACOM'S INVOLVEMENT



### Streamlined Planning Processes:

Drawing on 15+ years of linear restoration expertise, we will guide efficient planning and minimize implementation errors using geo-referenced data.



### Enhanced Stakeholder Collaboration:

Through communication platforms developed by Silvacom, we support effective stakeholder engagement essential for project buy-in and transparency.



### Compliance and Execution Accuracy:

High-standard, compliant revegetation plans are tailored to meet project timelines and maintain ecological integrity.



### Regulatory Compliance and Restoration Effectiveness:

Projects will meet regulatory standards while achieving ecological restoration objectives.



### Building Sustainable Indigenous Relationships:

Meaningful engagements will strengthen relationships with Indigenous communities, fostering greater local support and collaboration.

## LANDSCAPE-LEVEL TACTICS



Map corridors with shared stakeholder data and footprints.



Segment Right-Of-Ways (ROW) tactically for effective resource deployment.



Align operational needs with treatments and stakeholder collaboration.



Outline vegetation control easements for strategic access management.

## SITE-LEVEL REVEGETATION PRESCRIPTIONS



Conduct vegetation status assessments using LiDAR technology.



Analyze habitat types with inventories for site continuity.



Implement targeted aerial/ground assessments of existing conditions.



Specify tree seed needs, ensuring resource availability.



Customize treatments for optimal logistical efficiency.

## STAKEHOLDER CONSULTATION AND ENGAGEMENT



Partner with the company to identify stakeholders.



Facilitate feedback sessions to integrate stakeholder input.



Guide regulatory approvals with industry expertise.



Develop a robust roadmap for Right-Of-Ways (ROW) implementation.

Silvacom's involvement is set to enhance planning and execution efficiencies by providing the highest-quality deliverables through meticulous QA/QC (Quality Assurance/Quality Control) procedures throughout each project phase.



## CONTACT US TODAY

To learn about Pipeline Habitat Restoration Strategies



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