

# TSM Verification Summary Report


## Facility Information

Name of company	Suncor
Name of facility	Base Plant and Fort Hills
Address	Fort McMurray, Alberta, Canada
Country of operation	Canada
Products/metals produced on site	Synthetic Crude
Types of operations included in scope:	
Mining	<input checked="" type="checkbox"/>
Concentrate blending	<input type="checkbox"/>
Smelting	<input type="checkbox"/>
Refining	<input type="checkbox"/>
Other ( <i>please explain</i> )	
Types of infrastructure included in scope:	
Roads	<input type="checkbox"/>
Rails	<input type="checkbox"/>
Ports	<input type="checkbox"/>
Other ( <i>please explain</i> )	

## Verifier and Verification Information

Verification firm	Safety Science Management Consulting Inc.
Confirmation that all verifiers involved in verification are accredited TSM verifiers	(Yes or No) Yes
Date(s) of verification activities (dd/mm/yyyy – dd/mm/yyyy)	01/07/22 – 31/12/22
Verification period	2022
Summary of the verification methodology	<ul style="list-style-type: none"> <li>Methodology included: sampling and testing against the performance indicators, video/conference call, site observation, share-point for document access</li> </ul>
Summary of the verification activities	<ul style="list-style-type: none"> <li>Activities included: initial information request, documentation / records review, interviews, site observation, COI interviews</li> </ul>

**Statement of Verification**

<b>Statement of Verification</b>	
The external verification was conducted in accordance with the Terms of Reference for Verifiers and, accordingly, consisted primarily of interviews, data analysis, and examination (on a sample basis) of other evidence relevant to management’s assertion of conformance to the requirements of the TSM performance indicators	■ The external verification was conducted in accordance with the TSM Verifier Terms of Reference.
The scores indicated in this report are verified as being accurate based on the evidence reviewed during the external verification of this facility.	■ The scores in this report are considered accurate based on this verification.
Limitations	None identified.
Additional comments	Suncor demonstrated a strong commitment to the MAC TSM program and ensuring the highest level of transparency and commitment to highly accurate performance levels.
Name of Lead Verifier	Robert Duda
Date of statement of verification	19 December 2022
Signature of lead verifier	

## 1. Crisis Management and Communications Planning

### Corporate

Crisis Management and Communications Planning		
1. Crisis Management and Communications Preparedness	Yes	<ul style="list-style-type: none"> <li>• Commitment demonstrated for crisis and emergency management and organizations level risks are identified through enterprise risk management system</li> <li>• Corporate response plans have been established and an Incident Command System (ICS) implemented across the organization</li> <li>• Specific responsibilities are defined for corporate information and communications in the event of crisis and emergency situations</li> <li>• Extensive drills, testing etc. are completed for facilities and included corporate crisis management activation</li> <li>• Recent organizational changes will require review of responsibilities and revisions to documentation</li> </ul>
2. Review	Yes	<ul style="list-style-type: none"> <li>• Plans are reviewed annually</li> <li>• Notification systems have been tested extensively through the pandemic and several significant incidents that required activation of emergency operations centre and crisis communication processes</li> <li>• Reviews of the plans and testing of systems were demonstrated</li> </ul>
3. Training	Yes	<ul style="list-style-type: none"> <li>• Comprehensive training program across Base Plant operations for the ICS and ongoing training is occurring for position responsibilities</li> <li>• Testing of the preparedness and response activities is occurring</li> <li>• Extensive activation of the Suncor crisis and emergency preparedness and response plans has occurred through the pandemic and from unfortunate recent significant incidents</li> <li>• Activation of the stages of the emergency response was performed including emergency operations centre, corporate crisis management and integration with external groups within the Wood Buffalo region</li> <li>• Software system was demonstrated for retaining of evaluations for improvement</li> <li>• External verifier noted areas of improvement for strategic planning of exercises and drills</li> </ul>

### Base Plant

Crisis Management and Communications Planning		
1. Crisis Management and Communications Preparedness	Yes	<ul style="list-style-type: none"> <li>• Commitment demonstrated for crisis and emergency management</li> <li>• Extensive drills, testing etc. are completed for facilities</li> <li>• Crisis and emergency teams established and implemented</li> <li>• The Incident Command System (ICS) is implemented across the organization</li> <li>• Onboarding process that is implemented for the workforce includes emergency preparedness and response</li> <li>• Recent organizational changes will require review of responsibilities and revisions to documentation</li> </ul>
2. Review	Yes	<ul style="list-style-type: none"> <li>• Extensive emergency plans are established across the operations for the major functional areas of the Base Plant operations</li> <li>• Reviews of the plans are performed</li> </ul>
3. Training	Yes	<ul style="list-style-type: none"> <li>• Comprehensive training program across Base Plant operations for the ICS and ongoing training is occurring for position responsibilities</li> <li>• Testing of the preparedness and response activities is occurring</li> <li>• Extensive activation of the Suncor crisis and emergency preparedness and response plans has occurred through the pandemic and from unfortunate recent significant incidents</li> </ul>

		<ul style="list-style-type: none"> <li>• Activation of the stages of the emergency response was performed including emergency operations centre, corporate crisis management and integration with external groups within the Wood Buffalo region</li> <li>• Software system was demonstrated for retaining of evaluations for improvement</li> <li>• External verifier noted areas of improvement for strategic planning of exercises and drills across functional assets within Base Plant</li> </ul>
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## Fort Hills

Crisis Management and Communications Planning		
1. Crisis Management and Communications Preparedness	Yes	<ul style="list-style-type: none"> <li>• Commitment demonstrated for crisis and emergency management</li> <li>• Extensive drills, testing etc. are completed for facilities across Fort Hills operations</li> <li>• Crisis and emergency teams established and implemented</li> <li>• The Incident command system (ICS) is implemented across the organization</li> <li>• Onboarding process that is implemented for the workforce includes emergency preparedness and response</li> <li>• Suncor stakeholder information management system allows for documenting of stakeholders in Wood Buffalo region</li> <li>• Recent organizational changes will require review of responsibilities and revisions to documentation</li> </ul>
2. Review	Yes	<ul style="list-style-type: none"> <li>• Extensive emergency plans are established across the operations for the major functional areas of the Fort Hills operations</li> <li>• Reviews of the plans are performed</li> <li>• Training occurs monthly and is responsibility of area managers to ensure worker training</li> </ul>
3. Training	Yes	<ul style="list-style-type: none"> <li>• Comprehensive training program across Fort Hills operations for the ICS and ongoing training is occurring for position responsibilities</li> <li>• Testing of the preparedness and response activities is occurring and six table talk exercises were scheduled in 2022</li> <li>• Testing related to a specific hazard was planned for 2022</li> <li>• Extensive activation of the Suncor crisis and emergency preparedness and response plans has occurred through the pandemic and from unfortunate recent significant incidents</li> <li>• Activation of the stages of the emergency response was performed including emergency operations centre, corporate crisis management and integration with external groups within Wood Buffalo</li> <li>• Software system was demonstrated for retaining of evaluations for improvement</li> <li>• External verifier noted areas of improvement for strategic planning of exercises and drills across functional assets within Fort Hills operations</li> </ul>

## 2. Safety & Health

### Base Plant

Safety & Health		
1. Commitments and Accountability	AAA	<ul style="list-style-type: none"> <li>Strong commitment demonstrated throughout organization</li> <li>Environment, Health and Safety Policy established and communicated</li> <li>Audits performed through Suncor internal audits and the external Alberta Provincial Certificate of Recognition program</li> </ul>
2. Planning and Implementation	A	<ul style="list-style-type: none"> <li>Safety and health management system implemented through the Suncor Operational Excellence Management System</li> <li>Well established safety and health program procedures</li> <li>Several types of hazards and risk assessment procedures utilized and various hazard and risk registries at various levels of the organization</li> <li>Numerous initiatives being developed and implemented to improve the safety and health program across Base Plant operations for employees and contractors</li> <li>Improvements noted by the verifier included further development of hazard and control process including critical controls and evaluation of controls for employees and contractors</li> <li>Audits performed through Suncor internal audits and the external Alberta Provincial Certificate of Recognition program; verifier notes improvements for the Suncor audit program that would support higher levels of indicator performance to level AA and AAA</li> </ul>
3. Training, Behaviour and Culture	AAA	<ul style="list-style-type: none"> <li>Comprehensive training program across Base Plant operations</li> <li>Several programs implemented associated with behaviour and involvement of all personnel in health and safety activities</li> <li>Audits performed through Suncor internal audits and the external Alberta Provincial Certificate of Recognition program</li> </ul>
4. Monitoring and Reporting	A	<ul style="list-style-type: none"> <li>Extensive monitoring and reporting on health and safety indicators across Suncor operations</li> <li>Stewardship to monitoring and reporting performed regularly</li> <li>Improvements noted by the verifier include monitoring of controls effectiveness of health and safety hazards and risks</li> <li>Audits performed through Suncor internal audits and the external Alberta Provincial Certificate of Recognition program require additional scope</li> </ul>
5. Performance	B	<ul style="list-style-type: none"> <li>Recognition across Suncor operations that performance requires improvement</li> <li>Audits performed through Suncor internal audits and the external Alberta Provincial Certificate of Recognition program</li> </ul>

### Fort Hills

Safety & Health		
1. Commitments and Accountability	AAA	<ul style="list-style-type: none"> <li>Strong commitment demonstrated throughout organization</li> <li>Environment, Health and Safety Policy established and communicated</li> <li>Audits performed through Suncor internal audits and the external Alberta Provincial Certificate of Recognition program</li> </ul>
2. Planning and Implementation	A	<ul style="list-style-type: none"> <li>Safety and health management system implemented through the Suncor Operational Excellence Management System</li> <li>Well established safety and health program and procedures</li> <li>Several types of hazards and risk assessment procedures utilized and various hazard and risk registries at various levels of the organization</li> <li>Numerous initiatives being developed and implemented to improve the safety and health program across Fort Hills operations for employees and contractors</li> </ul>

		<ul style="list-style-type: none"> <li>Improvements noted by the verifier included further development of hazard and control process including critical controls and evaluation of controls for employees and contractors</li> <li>Audits performed through Suncor internal audits and the external Alberta Provincial Certificate of Recognition program; verifier notes improvements for the Suncor audit program that would support higher levels of indicator performance to level AA and AAA</li> </ul>
3. Training, Behaviour and Culture	AAA	<ul style="list-style-type: none"> <li>Comprehensive training program across Fort Hills operations</li> <li>Several programs implemented associated with behaviour and involvement of all personnel in health and safety activities</li> <li>Audits performed through Suncor internal audits and the external Alberta Provincial Certificate of Recognition program</li> </ul>
4. Monitoring and Reporting	A	<ul style="list-style-type: none"> <li>Extensive monitoring and reporting on health safety indicators across Suncor operations</li> <li>Stewardship to monitoring and reporting performed regularly</li> <li>Improvements noted by the verifier include monitoring of controls effectiveness of health &amp; safety hazards and risks</li> <li>Audits performed through Suncor internal audits and the external Alberta Provincial Certificate of Recognition program require additional scope</li> </ul>
5. Performance	B	<ul style="list-style-type: none"> <li>Recognition across Suncor operations that performance requires improvement</li> <li>Audits performed through Suncor internal audits and the external Alberta Provincial Certificate of Recognition program</li> </ul>

### 3. Tailings Management

#### Base Plant

Tailings Management		
1. Tailings management policy and commitment	AAA	<ul style="list-style-type: none"> <li>Strong commitment demonstrated throughout organization</li> <li>Tailings policy established and communicated</li> <li>External audit performed in 2022</li> </ul>
2. Tailings management system and emergency preparedness	A	<ul style="list-style-type: none"> <li>Robust and comprehensive tailings facility management system for complex and sophisticated tailings operations</li> <li>Comprehensive engineering and technical tailings management system</li> <li>Established and implemented tailings-related emergency preparedness and response plans</li> <li>Tailings emergency response exercise with external communities and stakeholders initiated in 2022 but not completed at time of external verification - planned for early 2023</li> <li>External audit performed in 2022</li> </ul>
3. Assigned accountability and responsibility for tailings management	AAA	<ul style="list-style-type: none"> <li>Assigned accountability for tailings, engineer of record, etc.</li> <li>Changes to personnel being reflected in the tailings facility management system documentation</li> <li>External audit performed in 2022</li> </ul>
4. Annual tailings management review	AAA	<ul style="list-style-type: none"> <li>Formal tailings management review performed annually</li> <li>Reporting on tailings performance communicated throughout organization</li> <li>External audit performed in 2022</li> </ul>
5. Operation, maintenance, and surveillance	AAA	<ul style="list-style-type: none"> <li>OMS Manuals established and implemented for tailings facilities including related ponds</li> <li>Comprehensive surveillance and monitoring process including third-party review, evaluation and recommendations</li> <li>External audit performed in 2022</li> </ul>

#### Fort Hills

Tailings Management		
1. Tailings management policy and commitment	AAA	<ul style="list-style-type: none"> <li>Strong commitment demonstrated throughout organization</li> <li>Tailings policy established and communicated</li> <li>External audit performed in 2022</li> </ul>
2. Tailings management system and emergency preparedness	AAA	<ul style="list-style-type: none"> <li>Robust and comprehensive tailings facility management system for complex and sophisticated tailings operations</li> <li>Comprehensive engineering and technical tailings management system</li> <li>Established and implemented tailings related emergency preparedness and response plans</li> <li>Tailings emergency response exercise conducted with external communities and stakeholders</li> <li>External audit performed in 2022</li> </ul>
3. Assigned accountability and responsibility for tailings management	AAA	<ul style="list-style-type: none"> <li>Assigned accountability for tailings</li> <li>Changes to personnel being reflected in the tailings facility management system documentation</li> <li>External audit performed in 2022</li> </ul>
4. Annual tailings management review	AAA	<ul style="list-style-type: none"> <li>Formal tailings management review performed annually</li> <li>Reporting on tailings performance communicated throughout organization</li> <li>External audit performed in 2022</li> </ul>
5. Operation, maintenance, and surveillance	AAA	<ul style="list-style-type: none"> <li>OMS Manuals established and implemented for tailings facilities including related ponds</li> <li>Comprehensive surveillance and monitoring process including third-party review, evaluation and recommendations</li> <li>External audit performed in 2022</li> </ul>

#### 4. Child and Forced Labour

##### Base Plant

Preventing Forced Labour		
1. Processes in place regarding forced labour 2. Process monitor supply chain and relationships	Yes	<ul style="list-style-type: none"> <li>Suncor facilities under verification operate in highly regulated environment in Alberta, Canada with strong employment and human rights regulations</li> <li>Suncor has well established business conduct code with policy and standards for hiring and use of labour</li> <li>Suncor human rights policy includes a commitment to human risks including due diligence within supply chain</li> </ul>

##### Fort Hills

Preventing Child Labour		
1. Process in place to prevent child under 18 engage in work that is hazardous 2. Process in place to ensure no child under 15 employed	Yes	<ul style="list-style-type: none"> <li>Suncor facilities under verification operate in highly regulated environment in Alberta, Canada with strong employment and human rights regulations</li> <li>Suncor has well established business conduct code with policy and standards for hiring and use of labour</li> <li>Suncor verifies through background checks the age of a worker as part of hiring process including the use of government issued identification</li> </ul>



## 5. Biodiversity Conservation Management

### Base Plant

Biodiversity Conservation Management		
1. Corporate Biodiversity Conservation Commitment, Accountability and Communications	AAA	<ul style="list-style-type: none"> <li>Suncor demonstrated extensive commitment to biodiversity through inclusion of wildlife and biodiversity in reclamation and closure plans, permit applications and approvals, monitoring and other programs</li> <li>Reporting on biodiversity is extensive through communities of interest, Report on Sustainability, disclosures and participation in industry associations</li> <li>Suncor is a member of COSIA and Wood Buffalo Environmental Association, funds the Oil Sands Monitoring Program, and has well established partnerships and engagement activities</li> <li>Internal review is performed through sustainability reporting review activities, planning activities, project and permitting requirements</li> <li>External regulation and permitting activities have strong input into the comprehensiveness of the biodiversity conservation planning including commitments, direction and compliance to regulatory requirements and approvals</li> </ul>
2. Facility Level Biodiversity Conservation Planning and Implementation	AAA	<ul style="list-style-type: none"> <li>Communication and engagement on biodiversity was demonstrated as extensive through project consultations, community engagement activities, report on sustainability</li> <li>Internally, biodiversity is communicated through several awareness training programs including extensive wildlife communication activities</li> <li>Biodiversity planning is integrated into business plans, strategies, permitting and regulatory approvals</li> <li>External engagement with stakeholders including regulatory authorities has driven Suncor to establish its biodiversity program</li> <li>Ongoing improvements to biodiversity activities is performed through ongoing learning and industry initiatives including engagement with stakeholders to drive aspects of biodiversity conservation</li> </ul>
3. Biodiversity Conservation Reporting	AAA	<ul style="list-style-type: none"> <li>Suncor has a number of reporting mechanisms including sustainability reporting and disclosure programs</li> <li>Suncor demonstrated several industry participation activities that include providing data and information</li> <li>Suncor participates in COSIA mine site reclamation research reporting and provides information and data</li> <li>Suncor has regular engagement with communities and stakeholders and also uses supplementary information requests for feedback and engagement</li> </ul>

### Fort Hills

Biodiversity Conservation Management		
1. Corporate Biodiversity Conservation Commitment, Accountability and Communications	AAA	<ul style="list-style-type: none"> <li>Suncor demonstrated extensive commitment to biodiversity through inclusion of wildlife and biodiversity in reclamation and closure plans, permit applications and approvals, monitoring and other programs</li> <li>Reporting on biodiversity is extensive through communities of interest, Report on Sustainability, disclosures and participation in industry associations</li> <li>Suncor is a member of COSIA and Wood Buffalo Environmental Association, funds the Oil Sands Monitoring Program, and has well established partnerships and engagement activities</li> <li>Internal review is performed through sustainability reporting review activities, planning activities, project and permitting requirements</li> <li>External regulation and permitting activities have strong input into the comprehensiveness of the biodiversity conservation planning including</li> </ul>

		commitments, direction and compliance to regulatory requirements and approvals
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## 6. Indigenous and Community Relationships Protocol

### Base Plant

Indigenous and Community Relationships Protocols		
1. COI Identification	AAA	<ul style="list-style-type: none"> <li>Suncor has a long-standing formalized stakeholder &amp; Indigenous relations framework whereby communities of interest are identified through ongoing stakeholder engagement activities</li> <li>Identification also occurs through stakeholder relationship reviews, required regulatory processes, and a broad based approach to defining who be affected by Suncor’s activities Updates to the identification of COI occurs on a regular basis through all engagement activities</li> </ul>
2. Effective COI Engagement and Dialogue	AAA	<ul style="list-style-type: none"> <li>Suncor has a formal stakeholder relations policy</li> <li>Suncor’s formal stakeholder &amp; Indigenous relations framework includes defined engagement processes for participation in COI community events, regulatory required engagement, regular meetings on issues and ad-hoc dialogue</li> <li>Engagement also occurs through industry relations corporations established by the COI and represents formal engagement process for dialogue and interaction</li> <li>Suncor demonstrated examples of comprehensive engagement processes including BMX and Fort Hills fluid tailings management consultations</li> <li>Suncor regularly performs materiality reviews to identify issues of relevant significance to Suncor and stakeholders, and occur through regular engagement with multi-stakeholder groups</li> <li>Suncor provides external reporting on its engagement activities including reporting to regulatory authorities and through its Report on Sustainability</li> </ul>
3. Effective Indigenous Engagement and Dialogue	AAA	<ul style="list-style-type: none"> <li>Suncor has a formal Canadian Indigenous relations policy</li> <li>Suncor’s formal stakeholder &amp; Indigenous relations framework includes defined engagement processes for participation in COI community events, regulatory required engagement, regular meetings on issues and ad-hoc dialogue</li> <li>Formal agreements are in place with a number of local communities that outlines funding for engagement and consultation activities; equity partnerships have been established to support engagement and capacity building</li> <li>Engagement also occurs through industry relations corporations established by the COI which represents a formal engagement process for dialogue and interaction</li> <li>Suncor demonstrated examples of comprehensive engagement processes including consultation related to the Steepbank Mine, BMX and Fort Hills fluid tailings management</li> <li>Suncor regularly performs materiality reviews to identify issues of relevant significance to Suncor and stakeholders, and occur through regular engagement with multi-stakeholder groups</li> <li>Suncor provides external reporting on its engagement activities including reporting to regulatory authorities and through its Report on Sustainability</li> </ul>
4. Community Impact and Benefit Management	AAA	<ul style="list-style-type: none"> <li>Formal agreements are in place with a number of local communities that outline funding for engagement and consultation activities; equity partnerships have been established to support engagement and capacity building</li> <li>Suncor stakeholder and Indigenous relations framework further outlines competency and training requirements for Indigenous and community relations personnel and includes guidance on engaging with Indigenous communities</li> <li>Suncor is a member of IAP2 (International Association for Public Participation). Many of Suncor’s direct Indigenous and Community relations personnel have undergone the IAP2 Foundation in Public Participation training</li> <li>Additional stakeholder relations training and guidance is provided to non-stakeholder relations personnel who may be involved in engagement and dialogue with COIs on an ad-hoc basis, to ensure that they are able to communicate information in a meaningful and culturally appropriate way</li> </ul>

		<ul style="list-style-type: none"> <li>• Suncor has established Indigenous awareness training, web-based or instructor-led training, to all employees</li> <li>• In 2021, Suncor and eight Indigenous communities – three First Nations and five Métis communities in the RMWB – formed the Astisiy partnership to purchase a 15% equity interest in the Northern Courier Pipeline asset with a value of approximately \$1.3 billion</li> <li>• Suncor has also partnered with the Fort McKay and Mikisew Cree First Nations on the Thebacha Partnership (East Tank Farm Development)</li> <li>• Suncor is an equity partner in PetroNor, a James Bay Cree wholesale distributor.</li> <li>• The above equity partnerships provide a reliable and long-term source of income to the participating First Nations and Métis communities</li> </ul>
5. COI Response Mechanism	AAA	<ul style="list-style-type: none"> <li>• Suncor stakeholder &amp; Indigenous relations framework has a formal grievance mechanism in place that allows them to receive, investigate and respond to complaints from COIs that may arise from direct and/or indirect impacts</li> <li>• Suncor has an established and published email and toll-free numbers that are accessible to COIs for making inquiries, providing feedback or lodging complaints</li> <li>• Information collected through the email or toll-free number is documented in SIMS (the Stakeholder Information Management System), its primary database for documenting engagement with COIs</li> <li>• Suncor has direct two-way dialogue with COI to provide immediate response to issues and engagement discussions</li> <li>• Other COI response mechanisms include sustainability and disclosure reporting as well as regulatory required reporting</li> </ul>

**Fort Hills**

Indigenous and Community Relationships Protocols		
1. COI Identification	AAA	<ul style="list-style-type: none"> <li>• Suncor has a long-standing formalized stakeholder &amp; Indigenous relations framework whereby communities of interest are identified through ongoing stakeholder engagement activities</li> <li>• Identification also occurs through stakeholder relationship reviews, required regulatory processes, and a broad based approach to defining who be affected by Suncor’s activities Updates to the identification of COI occurs on a regular basis through all engagement activities</li> </ul>
2. Effective COI Engagement and Dialogue	AAA	<ul style="list-style-type: none"> <li>• Suncor has a formal stakeholder relations policy</li> <li>• Suncor’s formal stakeholder &amp; Indigenous relations framework includes defined engagement processes for participation in COI community events, regulatory required engagement, regular meetings on issues and ad-hoc dialogue</li> <li>• Engagement also occurs through industry relations corporations established by the COI which represents formal engagement processes for dialogue and interaction</li> <li>• Suncor demonstrated examples of comprehensive engagement processes including consultations related to BMX and Fort Hills fluid tailings management</li> <li>• Suncor regularly performs materiality review to identify issues of relevant significance to Suncor and stakeholders, and can occur through regular engagement with multi-stakeholder groups through its Report on Sustainability</li> </ul>
3. Effective Indigenous Engagement and Dialogue	AAA	<ul style="list-style-type: none"> <li>• Suncor has a formal Canadian Indigenous relations policy</li> <li>• Suncor’s formal stakeholder &amp; Indigenous relations framework includes defined engagement processes for participation in COI community events, regulatory required engagement, regular meetings on issues and ad-hoc dialogue</li> <li>• Formal agreements are in place with a number of local communities that outline funding for engagement and consultation activities; equity partnerships have been established to support engagement and capacity building</li> </ul>

		<ul style="list-style-type: none"> <li>• Engagement also occurs through industry relations corporations established by the COI which represents formal engagement processes for dialogue and interaction</li> <li>• Suncor demonstrated examples of comprehensive engagement processes including consultations related to Steepbank Mine, BMX and Fort Hills fluid tailings management</li> <li>• Suncor regularly performs materiality reviews to identify issues of relevant significance to Suncor and stakeholders, and occur through regular engagement with multi-stakeholder groups</li> <li>• Suncor provides external reporting on its engagement activities including reporting to regulatory authorities and through its Report on Sustainability</li> </ul>
<p>4. Community Impact and Benefit Management</p>	<p>AAA</p>	<ul style="list-style-type: none"> <li>• Formal agreements are in place with a number of local communities that outlines funding for engagement and consultation activities; equity partnerships have been established to support engagement and capacity building</li> <li>• Suncor stakeholder and Indigenous relations framework further outlines competency and training requirements for Indigenous and community relations personnel, and includes guidance on engaging with Indigenous communities</li> <li>• Suncor is a member of IAP2 (International Association for Public Participation). Many of Suncor’s direct Indigenous and Community relations personnel have undergone the IAP2 Foundation in Public Participation training</li> <li>• Additional stakeholder relations training and guidance is provided to non-stakeholder relations personnel who may be involved in engagement and dialogue with COIs on an ad-hoc basis, to ensure that they are able to communicate information in a meaningful and culturally appropriate way</li> <li>• Suncor has established Indigenous awareness training, web-based or instructor-led training, to all employees</li> <li>• In 2021, Suncor and eight Indigenous communities – three First Nations and five Métis communities in the RMWB – formed the Astisiy partnership to purchase a 15% equity interest in the Northern Courier Pipeline asset</li> <li>• Suncor has also partnered with the Fort McKay and Mikisew Cree First Nations on the Thebacha Partnership (East Tank Farm Development)</li> <li>• Suncor is an equity partner in PetroNor, a James Bay Cree wholesale distributor.</li> <li>• The above equity partnerships provide a reliable and long-term source of income to the participating First Nations and Métis communities</li> </ul>
<p>5. COI Response Mechanism</p>	<p>AAA</p>	<ul style="list-style-type: none"> <li>• Suncor stakeholder &amp; Indigenous relations framework has a formal grievance mechanism in place that allows them to receive, investigate and respond</li> <li>• Suncor has an established and published email and toll-free numbers that are accessible to COIs for making inquiries, providing feedback or lodging complaints</li> <li>• Information collected through the email or toll-free number is documented in SIMS (the Stakeholder Information Management System), its primary database for documenting engagement with COIs</li> <li>• Suncor has direct two-way dialogue with COI to provide immediate response to issues and engagement discussions</li> <li>• Other COI response mechanisms include sustainability and disclosure reporting as well as regulatory required reporting</li> </ul>

## 7. Water Stewardship

### Base Plant

Water Stewardship		
1. Water Governance	A	<ul style="list-style-type: none"> <li>Suncor is committed to water stewardship and demonstrated development of a framework to drive improvements in overall governance, planning, management and performance</li> <li>Since 2007, Suncor has signed off on the Oil Sands Mining Water Management Agreement which outlines several principles it must follow to meet the requirements set out under the Surface Water Quantity Management Framework for the Lower Athabasca River</li> <li>Suncor has an established working group and demonstrated commitment through several external reporting mechanisms including the Report on Sustainability and industry water sharing information</li> <li>Water related risks are identified as part of the company risk management practices</li> </ul>
2. Operational Water Management	A	<ul style="list-style-type: none"> <li>Suncor has a number of water management activities including mining approvals, regulatory reviews and industry collaboration</li> <li>Regulatory requirements including renewal approvals based on historical and forward-looking technical information, every 5 or 10 years depending on the license</li> <li>Suncor has a number of water management activities including the consideration of Lower Athabasca Regional Plan (LARP) Surface Water Quantity and Quality Management Frameworks and the Athabasca Watershed Council (AWC) which is a multi-stakeholder not-for-profit organization that uses consensus decision-making and adaptive management to achieve the Water for Life goals in the Athabasca watershed in Alberta</li> </ul>
3. Watershed-scale Planning	AAA	<ul style="list-style-type: none"> <li>Suncor aligns with watershed planning contained in land use plans in the region, including the Lower Athabasca Regional Plan which encompasses several water related frameworks that set watershed level goals and thresholds</li> <li>These plans include surface water quantity and quality frameworks</li> <li>Suncor is a member of the Canadian Oil Sands Innovation Alliance (COSIA), and COSIA has set in situ and mining specific water goals relating to water</li> <li>Suncor participates with COSIA in research and technology development towards achieving goals for tailings and water</li> </ul>
4. Water Reporting and Performance	A	<ul style="list-style-type: none"> <li>Suncor is developing and participating in an oil sands water strategy process that includes performance objectives to mitigate relevant water and closure risks</li> <li>Suncor is working on creating a new water goal which would include site level targets in the future</li> <li>Verifier noted improvements can be made through reviews and audits of planning, implementation, monitoring and reporting</li> </ul>

### Fort Hills

Water Stewardship		
1. Water Governance	A	<ul style="list-style-type: none"> <li>Suncor is committed to water stewardship and demonstrated development of a framework to drive improvements in overall governance, planning, management and performance</li> <li>Since 2007, Suncor has signed off on the Oil Sands Mining Water Management Agreement which outlines several principles it must follow to meet the requirements set out under the Surface Water Quantity Management Framework for the Lower Athabasca River</li> <li>Suncor has an established working group and demonstrated commitment through several external reporting mechanism including the Report on Sustainability and industry water sharing information</li> </ul>

		Water related risks are identified as part of the company risk management practices
2. Operational Water Management	A	<ul style="list-style-type: none"> <li>• Suncor has a number of water management activities including mining approvals, regulatory reviews and industry collaboration</li> <li>• Regulatory requirements including renewal approvals based on historical and forward-looking technical information, every 5 or 10 years depending on the license</li> <li>• Suncor has a number of water management activities including the consideration of Lower Athabasca Regional Plan (LARP) Surface Water Quantity and Quality Management Frameworks and the Athabasca Watershed Council (AWC) which is a multi-stakeholder not-for-profit organization that uses consensus decision-making and adaptive management to achieve the Water for Life goals in the Athabasca watershed in Alberta</li> </ul>
3. Watershed-scale Planning	AAA	<ul style="list-style-type: none"> <li>• Suncor aligns with watershed planning contained in land use plans in the region, including the Lower Athabasca Regional Plan which includes several water related frameworks that set watershed level goals and thresholds</li> <li>• These plans include surface water quantity and quality frameworks</li> <li>• Suncor is a member of the Canadian Oil Sands Innovation Alliance (COSIA), and COSIA has set in situ and mining specific water goals relating to water</li> <li>• Suncor participates with COSIA in research and technology development towards achieving goals for tailings and water</li> </ul>
4. Water Reporting and Performance	A	<ul style="list-style-type: none"> <li>• Suncor is developing and participating in an oil sands water strategy process would includes performance objectives to mitigate relevant water and closure risks</li> <li>• Suncor is working on creating a new water goal which would include site level targets in the future</li> <li>• Verifier noted improvements can be made through reviews and audits of planning, implementation, monitoring and reporting</li> </ul>

## 8. Energy and Greenhouse Gas Emissions Management

### Base Plant

Energy and Greenhouse Gas Emissions Management		
1. Management systems	AAA	<ul style="list-style-type: none"> <li>Suncor has an extensive energy and greenhouse gas management system with formalized responsibilities, objectives, targets, procedures, and monitoring</li> <li>Delivery of performance required by the energy management system is supported by an assigned energy advisor</li> <li>Suncor Environmental Performance Improvement Team in Environmental Engineering group proactively plans energy consumption and manages Sustainability Planning</li> <li>Suncor has a corporate-wide GHG network comprised of subject matter experts to support Base Plant</li> <li>Suncor demonstrated extensive reporting on energy use and GHG reporting systems including validation processes</li> <li>Suncor is also on track to deliver a fuel-switching project at its Base Plant mine that will replace petroleum coke with highly efficient gas cogeneration to reduce the emissions associated with its steam production by approximately one megatonne (Mt) per year, along with providing low-carbon power to the Alberta grid</li> </ul>
2. Reporting Systems	AAA	<ul style="list-style-type: none"> <li>Suncor has a comprehensive energy use reporting system which is external verified through the sustainability reporting process</li> <li>Energy information and data is monitored daily and monthly through several reporting mechanisms and validation of data is performed</li> <li>Suncor includes scope 3 emissions at the corporate level</li> <li>Suncor includes scope 1 and 2 emissions intensity at each facility</li> </ul>
3. Performance Targets	B	<ul style="list-style-type: none"> <li>GHG reduction initiatives or projects are subject to an additionality test</li> <li>Any carbon credits generated at Fort Hills would be Emission Performance Credits (EPCs) issued under Alberta TIER regulation, and would meet the additionality requirements set by the provincial regulator (Alberta Environment and Protected Areas, AEPA)</li> <li>Corporate GHG targets are set and energy GHG emissions performance is internally and externally verified</li> <li>Suncor has extensive regulatory reporting on energy and GHG to the Alberta government</li> <li>Suncor self-identified that Base Plant had not met the regulatory compliance target as set in the TIER FSB for the reporting year</li> </ul>

### Fort Hills

Energy and Greenhouse Gas Emissions Management		
1. Management systems	AAA	<ul style="list-style-type: none"> <li>Suncor has an extensive energy and greenhouse gas management system with formalized responsibilities, objectives, targets, procedures, and monitoring</li> <li>Delivery of performance required by the energy management system is supported by an assigned energy advisor</li> <li>Suncor corporate GHG strategy group, with the support of Fort Hills regulatory engineering (QA/QC) operations, have appointed members to an energy efficiency technical expert group</li> <li>Suncor has a corporate-wide GHG network comprised of subject matter experts to support Fort Hills</li> <li>Suncor demonstrated extensive reporting on energy use and GHG reporting systems including validation processes</li> <li>Suncor is also on track to deliver a fuel-switching project at its Base Plant mine that will replace petroleum coke with highly efficient gas cogeneration to reduce the emissions associated with its steam production by approximately one</li> </ul>



		<p>megatonne (Mt) per year, along with providing low-carbon power to the Alberta grid</p>
2. Reporting Systems	AAA	<ul style="list-style-type: none"> <li>• Suncor has a comprehensive energy use reporting system and is external verified through the sustainability reporting process</li> <li>• Energy information and data is monitored daily and monthly through several reporting mechanisms and validation of data is performed</li> <li>• Suncor includes scope 3 emissions at the corporate level</li> <li>• Suncor includes scope 1 and 2 emissions intensity at each facility</li> </ul>
3. Performance Targets	B	<ul style="list-style-type: none"> <li>• GHG reduction initiatives or projects are subject to an additionality test</li> <li>• Any carbon credits generated at Fort Hills would be Emission Performance Credits (EPCs) issued under Alberta TIER regulation, and would meet the additionality requirements set by the provincial regulator (Alberta Environment and Protected Areas, AEPA)</li> <li>• Corporate GHG targets are set and energy GHG emissions performance is internally and externally verified</li> <li>• Suncor has extensive regulatory reporting on energy and GHG to the Alberta government</li> <li>• The TIER GHG Compliance report (2021 data) had an external Facility Specific Benchmark (FSB) GHG emission target which was not met by Fort Hills</li> </ul>