

Appendix B Summary of Issues Concordance Table

No.	Issue	Registry Comment Number	SaskPower Response
Fish and Fish Habitat			
1	Need for information on how the proposed water withdrawal during project operation may affect fish and fish habitat at the water source and related water bodies, and how these effects will be addressed.	12	Refer to updated Section 9.4.5 for information on the Project water sources. Refer to updated Section 19.6 for information on the potential effects to fish and fish habitat at the water source.
2	Clarify potential effects to fish and fish habitat in relation to the natural gas supply pipeline and how these effects will be addressed.	12	<p>The natural gas infrastructure is incidental to the Project, will be developed by TransGas Limited, and is outside the care and control of SaskPower. Refer to updated Appendix D, Sections 2.1, and 1.0 (Figure 1 - General Location Map that depicts an overview of the potential gas supply line options provided by TransGas). TransGas supply lines have not been finalized and therefore a detailed wetland/watercourse list has not been developed at the time of DPD submission.</p> <p>Refer to updated Appendix D, Sections 2.3.2, 5.6, and 5.6.1 for additional information relating to potential effects to fish and fish habitat in relation to the natural gas supply pipeline and how these effects will be addressed and mitigated.</p> <p>Refer to the TransGas shapefile provided that outlines the area in which the potential gas supply lines may be located. This information is preliminary and is subject to change.</p> <p>At the IPD stage, there were two options under consideration: Option A was proposed to be routed adjacent to TransGas' existing right-of-way beginning at SW-16-36-3-W3M east of Saskatoon, Saskatchewan to the Project at NW-36-33-24-W2M near Lanigan, Saskatchewan. Option B was proposed to begin at an existing TransGas facility at SW-12-38-28-W2M near Prud'homme, Saskatchewan to the Project. The natural gas pipeline route with the shortest possible distance from point A (compressor station) to point B (our existing infrastructure near Colonsay, Saskatchewan) was buffered as the original study area. This study area was preliminary and had not yet had a detailed desktop analysis completed at the time of the IPD.</p> <p>While preparing the information for inclusion in the DPD, the TransGas project team executed a routing exercise where several GIS layers were consulted to determine the best possible route from an environmental, engineering, land and Indigenous perspective. At this point, Option A was removed from further consideration. The north/south portion of Option B was widened to avoid sensitive species and species at risk, land ownership such as conservation easements and Crown land and specific land uses such as sensitive habitat, water and native prairie landscapes. Based on continued routing assessments, four potential routes have been identified in the north/south portion of the study area. The routing is still being finalized; however, efforts will be made to parallel existing disturbances such as roads and other TransGas/SaskEnergy infrastructure. The west/east portion of the study area boundary was further defined and narrowed as the route follows existing infrastructure, where feasible. Several options are being considered as engagement and field studies have not yet occurred to aid in narrowing down a final route.</p>
Migratory Birds, Other Birds and Their Habitats			
3	Potential for effects to migratory birds during all project phases, and corresponding obligations stemming from the Migratory Birds Convention Act, 1994 and its regulations.	13	<p>The <i>Migratory Birds Convention Act</i> (MBCA) protects migratory birds, their eggs, and their nests from destruction by any industrial or commercialization activities (GOC 1994). Section 19.8 summarizes effects to migratory birds during all project phases. Updated Sections 19.2.5 and 19.3.5 summarize potential effects and mitigation measures for wildlife and wildlife habitat including migratory birds during the Project's construction and operation and maintenance phases. Mitigation measures will be implemented to support project compliance with the MBCA.</p> <p>Additional details related to potential effects to migratory birds and proposed mitigation measures associated with the natural gas infrastructure is provided in updated Appendix D, Sections 5.7, 5.7.1, and 6.0. The natural gas infrastructure is incidental to the Project, will be developed by TransGas Limited, and is outside the care and control of SaskPower.</p>
4	Potential effects to migratory birds from the Project related to road construction, increased traffic, sensory disturbances, linear disturbances, and the need for information on sources of sensory disturbances, migratory paths, monitoring, and how potential effects will be addressed.	5, 13	<p>Pathways of effects to migratory birds are described in updates Sections 19.1.5. Section 19.8 summarizes effects to migratory birds during all project phases. Updated Sections 19.2.5 and 19.3.5 summarize potential effects and mitigation measures for wildlife and wildlife habitat including migratory birds during the Project's construction and operation and maintenance phases. Mitigation measures will be implemented to support project compliance with the MBCA.</p> <p>Additional details related to potential effects to migratory birds and proposed mitigation measures associated with the natural gas infrastructure is provided in updated Appendix D, Section 5.7.1. The natural gas infrastructure is incidental to the Project, will be developed by TransGas Limited, and is outside the care and control of SaskPower.</p>
5	Clarify how and when vegetation clearing will be conducted.	13	<p>As outlined in updated Section 11, vegetation clearing is anticipated to occur in April-May 2024 if an impact assessment in accordance with the <i>Impact Assessment Act</i> is not required. Otherwise, vegetation clearing is anticipated to occur in April-May 2026. Mechanical site preparation measures will be used for vegetation clearing.</p> <p>Refer to updated Section 19.8 and new Section 19.9 for mitigation measures for migratory birds and species of conservation concern.</p> <p>Additional details related to vegetation clearing associated with the natural gas infrastructure is provided in updated Appendix D Section 5.7.1. The natural gas infrastructure is incidental to the Project, will be developed by TransGas Limited, and is outside the care and control of SaskPower.</p>

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Species at Risk, Terrestrial Wildlife and Their Habitats			
6	Need for information related to the potential presence of Western Tiger Salamander and Northern Leopard Frog in the project area, their potential use of the stormwater pond, and identification of mitigation measures to address effects.	13	Updated Section 14.2.5.1.2 describes amphibians having potential to breed within and up to 500 metres of the Project Development Area, which includes northern leopard frog and western tiger salamander. Supplemental information has been added to updated Section 19.1.5.1 that describes the potential use of ponds by amphibians.
7	Comment regarding potential project effects to species at risk such as sensory disturbances, and how potential effects will be addressed.	13	Updated Section 19.1.5.1 provides an assessment of sensory disturbance (e.g., noise) effects on wildlife and wildlife habitat, which includes species of conservation concern. Updated Section 19.2.5 describes mitigation for effects on wildlife including species of conservation concern. New Section 19.9 discusses effects for species of conservation concern. Additional details related to sensory disturbance associated with the natural gas infrastructure is provided in Appendix D. The natural gas infrastructure is incidental to the Project, will be developed by TransGas Limited, and is outside the care and control of SaskPower.
8	Need for information related to the potential presence of Whooping Crane, Baird's sparrow, Sprague's pipit and other grassland nesting birds in the project area, potential effects to these species, and identification of mitigation measures to address effects.	13	Updated Section 14.2.5.2.1 provides information related to Important Bird Areas and potential presence of whooping cranes in the Project area. Updated Section 19.1.5.2 describes potential effects to whooping cranes during operation and maintenance. Section 19.3.5 provides mitigation measures for wildlife, including whooping crane. As described in new Section 19.9, the likelihood of whooping crane inhabiting the Project Development Area and Incidental Activity Study Area (as defined in updated Section 4.2.1) is considered low; the nearest potential staging habitat (i.e., Important Bird Area) is located 29 km away. Additional details related to potential effects to migratory birds and proposed mitigation measures associated with the natural gas infrastructure is provided in Appendix D. The natural gas infrastructure is incidental to the Project, will be developed by TransGas Limited, and is outside the care and control of SaskPower.
Climate Change and Greenhouse Gas Emissions			
9	Describe the Project's resilience to future climate change, and where relevant, how it is considered in project design.	13	As more extreme climatic events can derate plant capacities or disrupt their operations, the Project helps SaskPower meet the Planning Reserve Margin (PRM) by providing extra load availability in case it is needed, to avoid unserved energy demand. As mentioned in Section updated 7.3, the Project will be designed with the ability to operate in either flexible simple cycle or efficient combined cycle mode to maximize flexibility to support the addition of renewable generation. As for the resilience of the Project, the design calls for sufficient capacity to fulfill system (grid) reliability and renewable support roles even if operating at a derated capacity due to ambient conditions. The design allows for operation in simple cycle mode, (i.e., operating without the steam turbine generator) in the event of interruption or constraints to the water supply. In addition, the Project will utilize an ACC which significantly reduces the water requirements.
10	Clarify the Project's greenhouse gas emissions and contribution to climate change with consideration of the Strategic Assessment of Climate Change and the Government of Canada's long-term goal to achieve net-zero emissions by 2050. Provide a description of the planned mitigation measures, technologies, and best practices to be applied, including measures being considered to reduce the Project's greenhouse gas emissions on an ongoing basis.	10, 13	Refer to updated Sections 7.2, 9.4.6 and 23 for clarification.
11	Comment related to broadening the consideration of components in the effects assessment in relation to greenhouse gas emissions.	5	Refer to updated Section 23. The draft <i>Technical Guide Related to the Strategic Assessment of Climate Change</i> only requires the proponent to provide an estimate of the maximum annual net GHG emissions for each phase of a project during the planning phase. Should the Project require an Impact Assessment, SaskPower will follow the technical guide and provide the information required during the impact statement phase.
12	Concern regarding long-term investments in fossil fuel electricity generation and carbon emissions.	6	Refer to updated Section 7.2 and new Sections 12.2.3 and 12.2.4.
13	Need for fuel consumption estimates for different capacity scenarios including details on simple cycle generation scenarios and greenhouse gas implications.	13	Refer to updated Section 23.3 and updated Tables 24-8 through 24-12 for estimated steady state fuel usage.
14	Clarify units and scope of the Project's emissions estimates.	10, 13	Refer to updated Tables 23-1 and Table 24-12 for additional clarity. Table 24-12 is the theoretical maximum potential air emissions during simple cycle operation and maintenance which has both CO2 and CO2e clearly labelled in the left column "Pollutants". Tables 23-1, 23-2, and 23-3 have had "CO2e" added into the column headers to provide additional clarity. Table 23-1 - Total GHG was removed from the table header, only "Emissions (tonnes)" is presented. The first column of the table clarifies what the emissions are for. Table 23-2 - Total Annual GHG was removed from the table header, only "Emissions (tonnes)" is presented. The first column of the table clarifies what the emissions are for. Table 23-3 - Total GHG was removed from the table header, only "Emissions (tonnes)" is presented. The first column of the table clarifies what the emissions are for. Edits were made to Table 24-12 to clarify unclear language.

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15	Need for additional information on project greenhouse gas emissions estimates, including emissions from land-use change.	13	<p>As per updated Section 14.1.1.1, the PDA was conservatively defined as the entire quarter section (64.9 ha) even though the total disturbance footprint, including temporarily disturbed areas during construction, is expected to be approximately 39.4 ha.</p> <p>As per updated Section 19.1.4.1, the PDA covers 64.9 ha and consists of predominantly low vegetation (55.4%), cleared land (29.4%), wetland (14.5%) and forested lands (0.8%). Based on the finite duration of the Project and plans to return the site to its original state, SaskPower submits that the land use change emissions are negligible.</p>
Indigenous Peoples' Spiritual, Physical, and Cultural Heritage			
16	Comment on adequacy of archaeological study and potential project effects to archaeological, physical and cultural heritage resources.	5	Refer to updated Section 21.4.
Indigenous Peoples' Current Use of Lands and Resources for Traditional Purposes			
17	Clarify potential or perceived project effects to wildlife and vegetation, corresponding potential effects to traditional food sources and food security of Indigenous groups, and how these effects will be addressed.	11	<p>As outlined in updated Section 13.5, the Project is located on land that is owned by SaskPower and the incidental activities will be developed primarily within private agricultural land as well as developed road allowances owned by the Province of Saskatchewan. While the Project is within the traditional territory of Indigenous communities, it is not on land used specifically for traditional purposes by Indigenous Peoples. Given that the Project and incidental activities are not located on land likely to be currently used for traditional purposes such as gathering of traditional foods, the Project is not anticipated to have effects on traditional food sources or food security of Indigenous communities.</p> <p>As outlined in updated Sections 3 and 4.3, no concerns regarding potential effects to traditional food sources and food security have been identified by Indigenous communities currently engaged for the Project. SaskPower is committed to ongoing engagement with Indigenous communities throughout development of the Project and will address concerns regarding potential effects of the Project to access to traditional land should they arise. The nearest occupied provincial Crown land is located adjacent to the Incidental Activity Study Area where the proposed distribution line is located within the TransCanada Yellowhead Highway 16 road allowance (NE 02-34-24 W2M, SE 06-34-23 W2M, SW/SE 29-33-22 W2M) (Appendix F). The nearest unoccupied Crown land is outside of the largest Local Assessment Area and Regional Assessment Area boundaries (air quality), approximately 20 km southeast of the Incidental Activity Study Area boundaries at SE 05-32-20 W2M.</p>
18	Clarify land use by Indigenous groups, including locations, and whether and how access to traditional land may be affected by the Project.	11	<p>As outlined in updated Section 13.5, the Project is located on land that is owned by SaskPower and the incidental activities will be developed primarily within private agricultural land as well as developed road allowances owned by the Province of Saskatchewan. While the Project is within the traditional territory of Indigenous communities, it is not on land used specifically for traditional purposes by Indigenous Peoples. Given that the Project and incidental activities are not located on land likely to be currently used for traditional purposes such as gathering of traditional foods, the Project is not anticipated to have effects on traditional food sources or food security of Indigenous communities.</p> <p>As outlined in updated Sections 3 and 4.3, no concerns regarding potential effects to traditional food sources and food security have been identified by Indigenous communities currently engaged for the Project. SaskPower is committed to ongoing engagement with Indigenous communities throughout development of the Project and will address concerns regarding potential effects of the Project to access to traditional land should they arise. The nearest occupied provincial Crown land is located adjacent to the Incidental Activity Study Area where the proposed distribution line is located within the TransCanada Yellowhead Highway 16 road allowance (NE 02-34-24 W2M, SE 06-34-23 W2M, SW/SE 29-33-22 W2M) (Appendix F). The nearest unoccupied Crown land is outside of the largest Local Assessment Area and Regional Assessment Area boundaries (air quality), approximately 20 km southeast of the Incidental Activity Study Area boundaries at SE 05-32-20 W2M.</p>
Indigenous Engagement and Consultation			
19	Need for meaningful engagement with Indigenous groups, clarity on engagement that has taken place, and any updates to information on engagement and pending engagement. Include health or specific determinants of health-related issues raised by each Indigenous group, and proposed measures to mitigate any issues raised by the community members.	11	Refer to updated Section 4 for updated Indigenous engagement and future planning.
Health Conditions of Indigenous and Non-Indigenous Peoples			
20	Need for the location of sensitive receptors (e.g., hospitals, schools, retirement complexes, assisted care homes) and traditional land use when identifying potential project-related air quality impacts on human health.	16	<p>As outlined in updated Section 19.1.1, Section 22.1, and Appendix G, the largest spatial extent within which the Project is expected to have effects on air quality is a 10 kilometre by 10 kilometre buffer of the PDA. As outlined in Section 13.5, the PDA is not on land available for traditional use by Indigenous Peoples; therefore, the Project is not anticipated to have effects on access to traditional land by Indigenous communities.</p> <p>As described in updated Section 14.2.6.2.3 and Section 22.1, in accordance with Health Canada guidance, the nearest sensitive receptors (e.g., hospitals, schools, retirement complexes/assisted living homes) are not within the largest spatial extent within which the Project is expected to have effects on air quality or the regional context over which effects may occur.</p> <p>As outlined in updated Section 14.2.1, Section 19.1.1, and Appendix G, the air quality modelling was conducted in accordance with the Saskatchewan Ambient Air Quality Standards and the Canadian Ambient Air Quality Standards.</p> <p>As outlined in updated Section 3 and Section 4.3, concerns regarding potential effects to diverse or potentially vulnerable population groups, or Indigenous communities' traditional land and resource use were not expressed during engagement activities. SaskPower is committed to ongoing engagement with Indigenous communities throughout the development of the Project and will address concerns pertaining to air quality effects to diverse or potentially vulnerable population groups, or Indigenous communities' traditional land and resource use should they arise.</p>

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21	Clarify potential surface water and groundwater quality changes from the Project, including consideration on how Indigenous Peoples consume water, and effects on human health.	16	<p>As outlined in updated Section 19.1.1, the Project is not anticipated to result in extensive air deposition onto surface water bodies in proximity of the Project as the Project is anticipated to be in accordance with the Saskatchewan Ambient Air Quality Standards and the Canadian Ambient Air Quality Standards requirements. Additionally, the largest spatial extent within which the Project is expected to have effects on air quality or the regional context over which effects may occur is a 10 kilometre by 10 kilometre buffer of the PDA.</p> <p>As described in updated Section 19.1.6 and 21.3, the Project is not anticipated to affect surface water or groundwater that is used for drinking water, recreational, or traditional purposes. The Project will utilize approximately 1.7% of the capacity of the canal that feeds the Zelma Reservoir. Surface water and groundwater quality will be monitored throughout the lifetime of the Project.</p> <p>As outlined in updated Section 4.3, concerns pertaining to the Project and how Indigenous Peoples consume water, or use surface water and groundwater for drinking water, recreational purposes, or traditional land and resource use have not been expressed by Indigenous communities engaged on the Project. SaskPower is committed to ongoing engagement with Indigenous communities throughout the development of the Project and will address concerns pertaining to how Indigenous Peoples consume water, or use surface and groundwater for drinking water, recreational purposes, or traditional land and resource use should they arise.</p>
22	Use of Health Canada guidance documents when assessing the health effects of projects.	16	<p>SaskPower has used the published Health Canada guidance documents for assessing potential Project-related health effects. Specifically, the following guidance documents were used:</p> <ul style="list-style-type: none"> • Guidance for Evaluating Human Health Impacts in Environmental Assessment: Air Quality was used in Section 22.1 in response to comment 20 (HC-01). • Guidance for Evaluating Human Health Impacts in Environmental Assessments: Country Foods was used in Sections 19.5.1, 21.1, and 21.3 in response to comment 23 (HC-04). • Guidance for Evaluating Human Health Impacts in Environmental Assessment: Drinking and Recreational Water Quality was used in Section 21.1 in response to comment 21 (HC-03). • Guidance for Evaluating Human Health Impacts in Environmental Assessment: Human Health Risk Assessment was used in Sections 15.1, and 22.1 in response to comment HC-06. • Guidance for Evaluating Human Health Impacts in Environmental Assessment: Noise was used in Sections 13.4.1, 19.1.2, 19.2.2, and 19.3.2 in response to comment 37 (HC-02). • Guidance for Evaluating Human Health Impacts in Environmental Assessment: Radiological Impacts was used in Section 19.5 in response to comment 22 (HC-07). • Guidance for the Environmental Public Health Management of Crude Oil Incidents was used in Sections 19.5.1, 22.1, and 24.2.2 in response to comment 55 (HC-05). <p>Should the Project be subject to an impact assessment under the <i>Impact Assessment Act</i>, the Project will adhere to Health Canada's draft Interim Guidance Document for the Health Impact Assessment of Designated Projects under the <i>Impact Assessment Act</i> for development of a Health Impact Assessment.</p>
23	Need for information on country foods used by Indigenous Peoples, including information on existing contamination and any possible increase of contamination and projected effects on human health.	16	<p>As described in updated Section 21.3, the Project is located on a quarter section that is owned by SaskPower. The incidental activities will be developed primarily within private agricultural land as well as developed road allowances owned by the Province of Saskatchewan. Privately owned lands and leased provincial Crown lands are typically not available for traditional land and resource use and as such, the Project is not expected to affect the ability of Indigenous Peoples to exercise Aboriginal and Treaty Rights, or use, access or develop lands and resources (including country foods) currently used for traditional purposes.</p> <p>The Project's Emergency Response Plan and Spill Contingency Plan will include protocols and mitigation measures in accordance with Health Canada guidance, the <i>Canadian Environmental Protection Act</i>, and the Environmental Emergency Regulations. The implementation of these plans will reduce the potential for accidents and malfunctions that may result from the Project to create transport pathways for contaminants of potential concern into country foods.</p> <p>As outlined in updated Section 4.3, no concerns pertaining to country food consumption and potential contaminant exposure were expressed by Indigenous communities during engagement activities. SaskPower is committed to ongoing engagement with Indigenous communities throughout the development of the Project and will address concerns pertaining to country food consumption and potential contaminant exposure should they arise.</p>
Social and Economic Conditions of Indigenous Peoples			
24	Clarify how the increased demands on local services will impact Indigenous groups and how potential effects will be addressed.	11	<p>As discussed in updated Section 14.2.6, the peak construction workforce is estimated to be 450 employees. Given the relative population of the Local Assessment Area, the addition of full-time employees are not expected to have a substantial effect on the availability of goods and services for residents or nearby Indigenous communities. During operation and maintenance, the expected workforce of approximately 25 full time employees is not anticipated to increase demand on local services to a point that would potentially affect Indigenous communities' ability to access those services. SaskPower is committed to ongoing engagement with Indigenous communities throughout development of the Project and will address concerns regarding potential effects of the Project to access to local services should they arise.</p>
25	Clarify any Indigenous employment targets that may be identified for the Project.	10	Refer to updated Section 22.2 for Indigenous employment targets for the Project.

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Social and Economic Conditions of Non-Indigenous Peoples			
26	Clarify hiring strategy, including permanent employment anticipated, source and quantify of labour, how peak construction workforce will be staffed and how labour shortages and/or accessibility to trained labour were considered.	10, 15	Refer to updated Section 15.3 and 22.2 for the Project hiring strategy.
27	Clarify the economic viability of the Project.	5	Refer to updated Sections 7.2 and 7.3 for additional clarity of the economic viability of the Project.
28	Need for information on economic, social and ecological effects as well as employment opportunity effects on communities.	16	Refer to updated Section 19.1.6.2 for updated information on potential economic effects of the Project.
29	Clarify whether any federal financial assistance is anticipated to address labour and employment issues that result from the Project.	15	Refer to updated Section 16 for additional clarity.
30	Need for empirical evidence to support that the Project will be of economic benefit to the province and will improve federal gross domestic product.	15	Refer to updated Section 19.1.6.2 for information on how the Project will be of economic benefit to the province.
31	Clarify how the Project's decommissioning will impact employment.	15	Refer to updated Section 19.4 for additional clarity.
Vulnerable Population Groups (Gender-Based Analysis Plus)			
32	Clarify how inclusion will be tracked and how gaps in representation will be addressed with respect to engagement.	14	Refer to updated Section 3.4 and 15.4 for how SaskPower plans to track inclusion with respect to engagement.
33	Need for more data within the regional and local areas and consider a Gender-Based Analysis Plus approach. Include consideration of gender-based violence and recruitment and hiring practices.	14	Refer to updated Sections 15.2.1 and 15.4 for clarity on SaskPower's Diversity & Inclusion Strategy and commitment.
34	Clarify the mitigation measures that consider the differential impacts on various population groups.	14	Refer to updated Section 15.4 for additional clarity.
35	Consider Gender-Based Analysis Plus throughout the project lifecycle, engagement, consultation, mitigation, and to create baseline conditions. Include potential gender-based violence risks.	14	Refer to Section 3.2 where one of the goals of SaskPower's engagement work was to understand who else SaskPower should be talking with and in Section 3.4 where the goal includes learning about local interest and concerns. Clarification added to Section 3.4.
36	Need for a detailed description of the Proponent's corporate diversity strategy and how it is relevant to Gender-Based Analysis Plus and employment and labour issues regarding the Project.	15	Refer to updated Section 15.2.1 and new Appendix J for SaskPower's Diversity & Inclusion strategy and its relevancy to Gender-Based Analysis Plus and employment and labour issues regarding the Project.
Acoustic Environment			
37	Need for information on noise effects considering vulnerable populations and Indigenous groups' uses of the land.	16	<p>As described in Section updated 13.4.1, the rural residences in proximity of the Project are not defined as sensitive receptors in accordance with Health Canada guidance. The closest school and hospital are located in Lanigan, approximately 16 km east of the PDA.</p> <p>As per Table 4-2, the closest reserve is located 68 km from the PDA. As described in Section 13.5, while the Project is within the traditional territory of Indigenous communities, it is not specifically on land used for traditional purposes by Indigenous Peoples. As outlined in Section 4.3, no concerns pertaining to noise effects to diverse or potentially vulnerable population groups, or Indigenous communities' traditional land and resource use were expressed by Indigenous communities during engagement activities. SaskPower is committed to ongoing engagement with Indigenous communities throughout the development of the Project and will address concerns pertaining to noise effects to effects to diverse or potentially vulnerable population groups, or Indigenous communities' traditional land and resource use should they arise.</p> <p>As described in Section 14.2.2, Section 19.1.2, and Appendix H, the noise impact assessment (including the quantification of the ambient sound levels, and the cumulative sound levels at the nearby receptors) was conducted in accordance with the Alberta Utility Commission (AUC) Rule 012. The noise attenuation is outlined in Section 19.1.2. To meet the permissible sound level (PSL) of 40 dBA at the nearest receptor, a night time ambient sound level of 35 dBA was assumed as permitted under AUC Rule 012 – Section 2.1(8). Ambient noise surveys have not yet been completed, but are anticipated as the Project progresses. Refer to Appendix F for details of the noise impact assessment.</p> <p>As described in Section 19.1.2 and Section 19.2.2, construction activities will occur in accordance with the construction schedule outlined in Section 11.1 and the Project's cumulative sound levels and low frequency noise effects are not anticipated to be an issue. Noise mitigation measures associated with the construction and operation and maintenance phases of the Project are included in Section 19.2.2, Section 19.3.2, and Appendix H.</p>
38	Need information related to ambient noise surveys, timing of construction activities, predicted noise levels during construction and operations and mitigation of noise effects.	16	<p>Refer to Appendix H for the Noise Impact Assessment that details the noise estimates during operation and maintenance. Refer to Addendum 1 in Appendix H for construction noise estimates. Noise adjustments for time of day (day/night) are detailed in Appendix H. No tonal and/or impulsive noises are expected as part of the Project.</p> <p>Refer to Section 19.2.2 and 19.3.2 for noise mitigations during construction and operation and maintenance.</p>
39	Clarify noise complaints and resolution procedures, and noise attenuation plans.	16	Refer to updated Section 19.2.2 for clarity on noise mitigation and complaints resolution process and sound attenuation measures.

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Surface Water and Groundwater			
40	Consideration of potential effects to groundwater including potential contamination from spills.	7	<p>As described in updated Section 12.1.3, SaskPower is currently analyzing the water quality of water from the wells to evaluate specifically regarding corrosion potential. Currently, it is expected that the use of water from the wells will greatly accelerate the wear on Project components, including the treatment plant. Therefore, the underground water supply pipeline (Section 9.4.5) is considered the preferred water supply option until further economical analysis can be completed. As a result, effects to groundwater quantity as a result of Project are not anticipated (Section 9.4.5 and Section 19.1.6.1).</p> <p>As described in Section 19.5, Section 19.5.1 and Section 19.5.2, in accordance with the Emergency Response Plan and Spill Contingency Plan, no equipment maintenance or service or fuel, oil or other hazardous material storage will occur within 100 metres of any water feature. Surface water and groundwater will be monitored within the PDA throughout the lifetime of the Project. In accordance with the Saskatchewan Spill Control Centre and the Saskatchewan Ministry of Environment Environmental Spill Control Regulations, all reportable spills will be reported. Soil and water quality tests will be undertaken, and a remediation plan will be developed as required in accordance with the Saskatchewan Ministry of Environment guidelines and reporting requirements. Should an unplanned release occur, SaskPower will adhere to the Emergency Response Plan and Spill Contingency Plan, in accordance with the Saskatchewan Spill Control Centre and the Saskatchewan Ministry of Environment Spill Control Regulations in order to avoid potential effects to groundwater, to the extent feasible.</p>
41	Identify contingency options to manage potential excess water volumes should the evaporation pond reach capacity.	13	Refer to updated Section 24.2.1 for contingency options in the event of excess volumes in the evaporation pond.
42	Need information on the possible project-related changes to water availability, local weather and water bodies in consideration of climate change.	5	<p>As mentioned in Section 23.3.2, SaskPower is currently planning to reach net-zero greenhouse gas emissions by 2050 or sooner. It is on track to meet interim targets to reduce greenhouse gas emissions to 50% below 2005 levels by 2030 and increase total capacity from renewables up to 50% by 2030. An acceleration in the transition from conventional fossil fuel energy to renewable energy can decrease the amount of water withdrawals required for cooling systems.</p> <p>As mentioned in updated Section 12.2.5, SaskPower is also working to increase demand side management and other customer programs, which can result in a decrease in its water consumption and increase water efficiency. Should it be required per Project requirements, a Climate Change Resiliency Assessment would be conducted at a later stage of the Project, which would further assess risks related to local weather and climate change hazards. Specifically, a methodology in alignment with Infrastructure Canada's Climate Lens guidance would be used to identify potential climate change risks and suggest resilience measures.</p> <p>Expected changes or impacts to drinking water and water used for recreation and traditional purposes associated with the listed sources are anticipated to be minimal. This is due to the fact that the Project will use approximately 1.7% of the capacity of the canal that feeds the Zelma Reservoir. Water usage from aquifers and reservoirs is closely monitored by the Water Security Agency to confirm it remains within acceptable limits. Any potential contamination from surface water runoff will be contained within bermed boundaries, evaporation ponds, and stormwater ponds. During the construction phase, sewage will be transported off-site for treatment, while during the operation and maintenance phase, on-site sewage treatment will be conducted using a regulated leach field system. SaskWater also employs water level stations and continuous monitoring systems to ensure proper management of the Saskatoon Southeast Water Supply System.</p>
43	Clarify which water sources are anticipated to be affected by the Project and how potential effects will be addressed.	16	Refer to updated Section 9.4.5 and 21.1 and 19.1.6 for clarification on the Projects water sources and the potential effects on these sources and human health.
44	Potential effects to water quality and corresponding, obligations stemming from the Fisheries Act and its regulations.	13	<p>The Project and its incidental activities, as described in updated Section 14.1.1.2 and Section 18.1, are not anticipated to affect water quality. Supply water is expected to be sourced from Zelma Reservoir using existing intake infrastructure that has been approved by Fisheries and Oceans Canada. Supply water will be sampled, tracked, and regulated by the Saskatchewan Water Security Agency for compliance with water quality and usage limits. Surface water runoff from the Project will be retained within the bermed boundaries of SaskPower's property, and within evaporation and stormwater ponds. During the construction phase, on-site sewage will be trucked off-site for treatment at an appropriate facility. During the operation and maintenance phase, sewage will be treated on-site via a leach field system.</p> <p>As described in Section 19.5, SaskPower will commit to the development of a Emergency Response Plan and Spill Contingency Plan for the Project in accordance with the <i>Canadian Environmental Protection Act</i> and the Environmental Emergency Regulations. The Emergency Response Plan and Spill Contingency Plan will include protocols for environmental emergency prevention, preparedness, response, and recovery in response to environmental emergencies caused by uncontrolled, unplanned, or accidental releases of toxic and hazardous substances listed in Schedule 1 of the Environmental Emergency Regulations. The implementation of these plans will support compliance with the <i>Fisheries Act</i> by reducing the potential for the release or deposition of a deleterious substance in waters frequented by fish and prevent the death of fish or the HADD of fish habitat and subsequent violations of the <i>Fisheries Act</i>.</p> <p>Additional details related to potential effects to water quality associated with the natural gas infrastructure is provided in updated Appendix D. The natural gas infrastructure is incidental to the Project, will be developed by TransGas Limited, and is outside the care and control of SaskPower.</p>

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Navigable Waters			
45	Clarity on whether and how any project component(s), including incidental activities, may affect a navigable waterway, and how these effects will be addressed.	9	<p>The Project and its incidental activities, as described in updated Section 14.1.1.2 and Section 18.1 are not anticipated to interfere with listed or potentially navigable waterways located in proximity of the Project (e.g., South Saskatchewan River, Wolverine Lake, Little Manitou Lake). The Project and its incidental activities are not anticipated to affect navigation or navigation safety, and are not anticipated to be constructed in, on, under, over, through or across navigable waterways. In accordance with the Navigation Protection Program's Project Review Tool, the Project does not fall under the Navigation Protection Program's mandate.</p> <p>None of the natural gas infrastructure potential route options interfere with navigable waterways. Additional details related to potential effects to navigable waterways associated with the natural gas infrastructure is provided in Updated Appendix D, Section 2.1.1. The natural gas infrastructure is incidental to the Project, will be developed by TransGas Limited, and is outside the care and control of SaskPower.</p>
Wetlands			
46	Need for additional information on wetlands to better understand potential effects to migratory birds and wildlife species at risk, including potential for direct and indirect impacts, types of wetlands that may be impacted, the regional importance of potentially impacted wetlands and regional cumulative impacts due to wetland loss.	13	<p>Updated Section 19.1.4.1 discusses potential changes in wetlands due to construction of the Project. A cumulative effects assessment is not required as part of the Initial Project Description or the Detailed Project Description in accordance with the <i>Impact Assessment Act</i> and the Information and Time Management Regulations. However, as part of the provincial regulatory requirements, SaskPower will conduct a cumulative effects assessment (inclusive of vegetation and wetlands) for the Project as part of the provincial regulatory application.</p> <p>Updated Section 19.1.5.1 discusses the lack of suitable overwintering habitat for northern leopard frog within the PDA.</p> <p>Updated Section 19.8 and new Section 19.9 discusses overall effects of vegetation loss within wetland habitats and alterations within the Project area for migratory birds and species of conservation concern (e.g., whooping crane, grebe, western tiger salamander). Updated Sections 19.2.4, 19.2.5, and 19.35, and Section 19.3.4 discuss mitigation measures pertaining to vegetation and wetlands, and wildlife and wildlife habitat, inclusive of mitigation measures pertaining to migratory birds and species of conservation concern, for the construction and operation and maintenance phases of the Project.</p> <p>As outlined in updated Section 19.2.4 incidental activities will be routed to avoid wetlands to the extent feasible, approvals from the appropriate provincial regulator will be obtained prior to commencing work in wetlands, and clearing will be limited to the PDA.</p> <p>Additional details related to potential effects to wetlands, migratory birds, and species of conservation concern regarding the natural gas infrastructure is provided in Appendix D. The natural gas infrastructure is incidental to the Project, will be developed by TransGas Limited, and is outside the care and control of SaskPower.</p>
Cumulative Effects			
47	Need for consideration of cumulative effects.	7	A cumulative effects assessment is not required as part of the Initial Project Description or the Detailed Project Description in accordance with the <i>Impact Assessment Act</i> and the <i>Information and Time Management Regulations</i> . However, SaskPower is developing and submitting a provincial environmental assessment screening (Technical Proposal), to the Saskatchewan Ministry of Environment - Environmental Assessment and Stewardship Branch for the Project. SaskPower will conduct a cumulative effects assessment for the Project as part of the Technical Proposal in accordance with provincial guidelines.
Need for the Project			
48	The Project would provide a local source of energy, help to reduce wasted energy and help meet carbon emission targets.	8	Refer to Section 7.3 for the potential benefits of the Project.
49	The Project will likely create positive social and economic impacts and assist in reducing greenhouse gas emissions.	7	Refer to Section 19.1.6.2 for the potential economic benefits to Saskatchewan and Canada.
Alternative Means of Carrying Out the Project			
50	Need for clarification on alternatives or mitigations with respect to greenhouse gas emissions, such as Grid Enhancing technology, Carbon Capture Utilization Storage, battery storage from renewable energies (e.g., solar, wind) and fuel cells, including their feasibility and cost effectiveness, that were considered.	5, 6, 10, 13	<p>Refer to updated Sections 7.2, 12.2 and 23.3 for clarification on alternatives and mitigations with respect to greenhouse gas emissions.</p> <p>Refer to updated Section 23.3.1 for clarity on Carbon Capture Utilization Storage information</p> <p>Refer to updated Section 7.2 for clarity on capacity arrangements with Manitoba Hydro</p> <p>Refer to updated Section 12.2 for clarity on electricity Imports</p> <p>Refer to updated Section 12.2 for details on energy management, distributed generation, and grid modernization</p> <p>Refer to updated Section 7.2 for details on Project need and refer to updated Section 12.2 for details relating to the alternatives to the Project.</p> <p>Refer to updated Section 23.3.1 for details on carbon capture and Section 23.4 Net-Zero 2050</p> <p>Refer to updated Section 7.2 and 12.2 to discuss alternative technologies to the Project and why the Aspen Project is required.</p>
51	Clarify details of the proposed alternatives for water supply including source waters, related potential effects, and water needs during operations and maintenance.	IAAC, 5, 7	Refer to Section 9.4.5, 12.1.3.3, 19.1.6.1, and 21.3 for details of the proposed options for water supply including source water option, related potential effects, and water needs during operation and maintenance.

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No.	Issue	Registry Comment Number	SaskPower Response
52	Clarify which alternative pathways for sharing Planning Reserve Margins with neighbours were considered, if any.	10	Planning Reserve Margin cannot be shared by two Balancing Authorities in any identical period, however, they could be shared seasonally (i.e. one Balancing Authority counts a resource as theirs in the winter months and the other counts the same resource as theirs in the summer months.) The current issue is that both Manitoba and Alberta are like Saskatchewan wherein Manitoba experiences similar winter peaking, and Alberta experiences similar winter peaking and summer derates. Therefore, there is no such opportunity to share Planning Reserve Margins. The opportunity potentially exists with SPP to the south, however, there is currently no transmission available to accommodate such an arrangement. No change to the DPD.
Alternatives to the Project			
53	Need for consideration of and further information on alternative options to the Project to substantiate why the Project is considered the ideal option for enabling renewable generation and achieving emissions reductions.	5, 6, 10	Refer to updated Sections 7.2, 12.2 and 23.3.1 regarding the consideration of alternative options to the Project. Refer to Summary of Issues response to issue No.50.
Accidents and Malfunctions			
54	Need for further information on the potential project effects and how these effects will be mitigated including consideration of spills or releases of hazardous or deleterious substances from unplanned accidents and malfunctions.	13	As described in Section 19.5, the Emergency Response Plan will be consistent with those in place at existing SaskPower generating facilities and will include emergency preparedness and response systems, including coordinating with qualified response organizations, training requirements for staff and contractors, and emergency communication plans, including community awareness plans for the Project. As described in Section 19.5.2, the Emergency Response Plan will include emergency response measures to be implemented if an unplanned or planned natural gas release occurs.
55	Need for further information on potential accident and malfunction scenarios that could lead to the release of contaminants into the surrounding environment for each phase of the Project, and the potential effects on human health.	16	As described in Section 19.5.1, hazardous material releases have the potential to effect the health of staff through inhalation, ingestion, and/or direct contact. However, effects to the health of the public as a result of hazardous materials releases during the Project's construction and operation and maintenance phases are not anticipated to occur. The Emergency Response Plan will outline emergency response measures and preparedness systems if the health or safety of staff is threatened. The Emergency Response Plan will be consistent with those in place at existing SaskPower generating facilities, and will be developed in accordance with Health Canada guidance.
56	Follow the Canadian Environmental Protection Act, 1999 and regulations when developing the emergency preparedness plan.	13	As described in Section 18.1 and Section 19.5 of the Detailed Project Description, the Project's Emergency Response Plan and Spill Contingency Plan will be developed in accordance with the <i>Canada Environmental Protection Act</i> and the Environmental Emergency Regulations. In accordance with Part 8 of the <i>Canada Environmental Protection Act</i> , SaskPower will develop protocols for environmental emergency prevention, preparedness, response, and recovery in response to environmental emergencies caused by uncontrolled, unplanned, or accidental releases that will be included in the Emergency Response Plan. The Environmental Emergency Regulations outline the requirements for facilities to manage toxic or hazardous substances listed in Schedule 1, through assessing the risk of spills, adhering to measures to mitigate the risk of spills, and adhering to response measures to address any potential spills. In accordance with Section 4, should the Project include any of the listed substances, the Project will be required to adhere to the Environmental Emergency Regulations. As described in Section 19.5 of the Detailed Project Description, the Emergency Response Plan will be consistent with those in place at existing SaskPower generating facilities and will include emergency preparedness and response systems, including coordinating with qualified response organizations, training requirements for staff and contractors, and emergency communication plans, including community awareness plans for the Project. As described in Section 19.5.1 of the Detailed Project Description, a Spill Contingency Plan will be developed for the Project that will identify protection and emergency response measures to use if there is a release of hazardous materials. The Spill Contingency Plan will be developed in accordance with the <i>Canadian Environmental Protection Act</i> and the Environmental Emergency Regulations. Table 18-1 provides a summary of potential federal legislative and regulatory requirements for the Project.
57	Development of a Spill Contingency Plan.	13	As described in Section 9.2.1.1 of the Detailed Project Description, a Spill Contingency Plan will be developed as part of the Environmental Management Plan prior to contractor mobilization. Section 19.5.1 of the Detailed Project Description indicates that the Spill Contingency Plan for the Project will be developed to support a response and actions to reduce potential effects to the environment. The Spill Contingency Plan will identify protection and emergency response measures to use if there is a release of hazardous materials. Section 19.5.1 of the Detailed Project Description lists the mitigation measures to reduce potential effects for accidental hazardous material releases, including proactive spill prevention mitigation measures that will be incorporated into all phases of the Project. The Spill Contingency Plan will be consistent with those in place at existing SaskPower generating facilities and will include direction for staff for responding to a spill or unplanned release of a pollutant, including guidance for recording and responding to the spill or unplanned release of a pollutant. The direction provided will also include immediate actions to be taken, corrective actions to be taken, and cleanup actions to be taken. The Spill Contingency Plan will also include a list of higher risk chemicals with information on the danger, safety data sheets that will be reviewed by staff prior to handling the listed chemicals, methods of handling spills, precautions to be taken by staff, and equipment required for handling and disposal. Contact information for emergency spill equipment contractors and the Saskatchewan Spill Control Centre will be included in the Spill Contingency Plan.
58	Need for further information on the Community Awareness and Emergency Communications plans.	13	Refer to updated Section 19.5 for additional information on the community awareness and emergency communications plans.

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Waste and Emissions			
59	Need to assess the option for the Project to go waste-free.	5	As per Section 9.3.2, aside from stormwater runoff, the Project will not discharge any liquid waste off site during operation and maintenance. As per Section 24.2.3 wastes generated during operation and maintenance will be disposed of and/or recycled by licensed waste contractors in accordance with federal, provincial, and municipal regulations using approved facilities. Refer to Section 24 for more information regarding waste that is generated and managed during construction, operation and maintenance, and decommissioning and reclamation phases of the Project.
60	Clarify the methodology and supporting information for the calculation of fugitive emissions.	13	Refer to updated Section 24.5.5 for additional clarity on the emissions calculation methodology including emission factor selection process and sources.
61	Need for air quality information about emissions and dispersion of air contaminants from project activities.	16	Refer to updated Section 14.2.1.2 that clarifies the background concentrations are based on air quality data collected by the Central Region air quality monitoring stations located in Saskatoon. Sensitive receptors near the site were investigated and the closest sensitive receptors are a hospital and elementary school located in Lanigan, SK approximately 16 km east of the Project. The closest reserve lands are approximately 60 km to the south-east. Modeling was performed to demonstrate compliance with SAAQS and CAAQS with receptor grids out to 10 km and 2 km respectively. The modeled impacts are below the SAAQS for all operational scenarios. Seven residential receptors were identified within a 2 km radius of the Project. All impacts are below the CAAQS thresholds at each of these receptors. Therefore, the impacts at the closest non-residential sensitive receptors 16 km away are below the SAAQS and CAAQS. The nearest unoccupied Crown land is outside of the largest LAA and RAA boundaries (air quality), approximately 20 km southeast of the Incidental Activity Study Area boundaries at SE 05-32-20 W2M.
62	Need for complete inventory of all potential air pollutants (including diesel exhaust emissions), predicted residual effects on air quality from project construction, operations, and maintenance, and an exclusion list of all air pollutants and the justification for exclusion.	16	Emissions associated with diesel exhaust (DE) from the operation of heavy equipment and generators during the construction phase was not independently called out and was instead incorporated into Table 24-5: Estimated Air Emissions from Construction Equipment. As stated in Section 19.9, air quality emissions are not expected to exceed SAAQS or CAAQS which justifies the conclusion that ambient air quality will be maintained. Refer to updated Section 24.4.
General Project Description			
63	Additional information on incidental activities (including natural gas supply lines) such as routing, portions that are solely for the benefit of the Project, potential effects, and how they will be addressed.	IAAC, 12	Refer to updated Section 19.6 for information on incidental activities related to the Project and their potential effects on fish and fish habitat. Additional details related to the natural gas supply line and its potential effects/mitigation on fish and fish habitat is provided in updated Appendix D (Executive Summary and Section 2.1, and 5.6.1. The natural gas infrastructure is incidental to the Project, will be developed by TransGas Limited, and is outside the care and control of SaskPower. At the IPD stage, there were two options under consideration: Option A was proposed to be routed adjacent to TransGas' existing right-of-way beginning at SW-16-36-3-W3M east of Saskatoon, Saskatchewan to the Project at NW-36-33-24-W2M near Lanigan, Saskatchewan. Option B was proposed to begin at an existing TransGas facility at SW-12-38-28-W2M near Prud'homme, Saskatchewan to the Project. The natural gas pipeline route with the shortest possible distance from point A (compressor station) to point B (our existing infrastructure near Colonsay, Saskatchewan) was buffered as the original study area. This study area was preliminary and had not yet had a detailed desktop analysis completed at the time of the IPD. While preparing the information for inclusion in the DPD, the TransGas project team executed a routing exercise where several GIS layers were consulted to determine the best possible route from an environmental, engineering, land and Indigenous perspective. At this point, Option A was removed from further consideration. The north/south portion of Option B was widened to avoid sensitive species and species at risk, land ownership such as conservation easements and Crown land and specific land uses such as sensitive habitat, water and native prairie landscapes. Based on continued routing assessments, four potential routes have been identified in the north/south portion of the study area. The routing is still being finalized; however, efforts will be made to parallel existing disturbances such as roads and other TransGas/SaskEnergy infrastructure. The west/east portion of the study area boundary was further defined and narrowed as the route follows existing infrastructure, where feasible. Several options are being considered as engagement and field studies have not yet occurred to aid in narrowing down a final route.
Other – Editorial Comments on the Initial Project Description			
64	Clarify references to decommissioning emissions.	13	Refer to updated Table 23-9 and Table 24-9 and updated Section 24.6 for clarification of decommissioning emission references.
65	Project lifespan should be included in the introductory section.	15	The anticipated start/end dates were referenced in several sections of the IPD including Section 9.5, Tables 11-1 and 11-2, Section 11.2, and Section 11.4, in addition to Section 19.4. Refer to updated Section 1.1.