

1. Reference: Application

- a) When were the revenue and expenditure forecasts used in the application prepared? Please provide the date of the business plan that forms the basis of the application and identify the date of any updates to that business plan included in the application.

2. Reference: Application

- a) Please provide a graph which illustrates the actual and proposed percentage increases for each major customer group from 2013 through 2023/24.

3. Reference: Application

- a) Please provide a schedule showing SaskPower's total domestic electricity sales revenue; operating income; return on equity, debt to equity ratio, revenue lift and percentage rate increase for 2022/23 and 2023/24 assuming each of the following potential rate scenarios:
 - i. Confirmation of the 4% average rate increases effective September 1, 2022 and April 1, 2023 as applied for;
 - ii. Confirmation of 3% average rate increases effective September 1, 2022 and April 1, 2023;
 - iii. Confirmation of 2% average rate increases effective September 1, 2022 and April 1, 2023;
 - iv. Confirmation of a single rate increase of 4% effective September 1, 2022 and no rate increase effective April 1, 2023;
 - v. No rate increases in 2022/23 or 2023/24;
 - vi. Equal percentage rate increases effective September 1, 2022 and April 1, 2023 that achieve the long-term target ROE of 8.5% in the 2023/24 fiscal year.

4. Reference: Covid-19 Impacts

- a) Please discuss any incremental costs and savings to SaskPower as a result of the Covid-19 pandemic, including but not limited to:
 - i. Transitioning to remote work

- ii. Personal protective equipment purchases
- iii. Reduced travel costs
- b) What proportion of the workforce does SaskPower anticipate will continue to work remotely either part-time or full-time going forward?
- c) Did SaskPower observe any productivity changes as a result of remote work? Please discuss measures taken by SaskPower to maintain productivity during remote work.

5. Reference: Application

- a) Please provide a continuity schedule of Plant in Service and Total Property, Plant and Equipment by function (generation, transmission, distribution, general) for the three most recent actual years and forecasts for 2022/23 and 2023/24.

6. Reference: Payments to the Province

- a) For the period of 2018/19 through 2023/24 please provide a table itemizing all actual or forecast payments to the Province of Saskatchewan including water rentals, corporate capital taxes, coal royalties, dividends and any other payments to the Province.
- b) SaskPower states that the application is based on the principle that “...SaskPower must set rates that will collect sufficient revenue to recover all reasonable costs and to provide a return to the shareholder.” Please discuss if “a return to the shareholder” means solely a dividend or if some other meaning is intended.

7. Reference: Corporate Risks

- a) Please update the response to the Round 1 SRRP Q7 from the 2018 rate application indicating what SaskPower considers to be the largest business or financial risks it faces (e.g. natural gas prices; interest rates; sales growth or decline) and provide an estimate of the potential upper and lower range of effects of these risks on operating income and return on equity in 2022/23 and 2023/24.

- b) Does SaskPower consider potential changes to environmental regulations including the federal carbon charge to be a material business or financial risk? Please discuss why or why not.

8. Reference: Carbon Charges

- a) Please provide a detailed calculation showing how SaskPower has estimated the forecasted carbon charges for 2022/23 and 2023/24. Please describe any assumptions or estimates used in preparing the forecast of carbon charges including the assumed carbon tax per tonne.
- b) Please provide a detailed calculation showing how SaskPower calculated the current carbon charge rider for each rate class. Please describe any assumption or estimates used in preparing the forecast of carbon charge riders.
- c) Please provide a detailed calculation showing how SaskPower has estimated the forecasted carbon charge revenues for 2022/23 and 2023/24. Please ensure that the schedule shows the forecasted carbon charge rider (cents per kWh) assumed for each year.
- d) Please describe in detail how SaskPower considers the impact of the federal carbon tax when making decisions related to the dispatch of generation options.
- e) With reference to page 35 of SaskPower's 2020-21 annual report, please elaborate on the meaning of the statement that "the Federal Carbon Tax Variance Account, which is not included in SaskPower's financial statements...". Does SaskPower consider the account to be a notional account with no impact on SaskPower's statement of financial position?

9. Reference: Bad Debt

- a) Please provide a schedule showing SaskPower's bad debt expense for the five most recent actual years and forecasts for 2021/22 through 2023/24.
- b) Please discuss if, in SaskPower's view, bad debt expense increased as a result of the Covid-19 pandemic?

- c) Please discuss whether the changes SaskPower made to its collections policies and procedures during the Covid-19 pandemic discussed in section 3.3 of the application are still in place. Please also discuss any other changes to collections policies and procedures in addition to those discussed in section 3.3 of the application.

10. Reference: Financial Indicators

- a) With reference to the financial indicators on page 32 of the application, please discuss whether SaskPower has targets for all of these indicators and how they are used for business planning.

11. Reference: Financial Indicators

- a) Please provide a schedule that shows the calculation of SaskPower's actual and forecasted interest coverage ratio for each of the years in the table on page 32 of the application.

12. Reference: Financial Indicators

- a) Please explain how the dividend declared is determined for each actual and forecast year shown in the table on page 32 of the application.

13. Reference: Finance Expense

- a) Have there have been any changes to SaskPower's debt strategy with respect to how much short-term versus long-term debt SaskPower takes on and the mixture of floating rate debt versus fixed rate debt SaskPower considers to be optimal since the response to the Round 1 SRRP Q12 from the 2018 GRA proceeding? If so, please provide a summary of the changes and an explanation of the rationale for the changes.

14. Reference: Finance Expense

- a) Please provide a schedule showing all long term debt (including any long-term lease obligations) including the date of issue, date of maturity, effective interest rate, coupon rate, par value, unamortized premium, and outstanding amount.
- b) Please provide a schedule showing SaskPower's debt in relation to the total debt of the Province of Saskatchewan for each of the last three years.

15. Reference: Finance Expense

- a) For each year of the ten most recent actual years please provide a schedule showing the forecasted short-term and long-term interest rates for new debt from the prior year's business plan (i.e. the last business plan prepared before the start of each fiscal year) and the actual short-term and long-term interest rates for new debt.

16. Reference: Finance Expense

- a) Please provide a schedule showing details of the total finance charges for the five most recent actual years and forecasts for 2021/22 through 2023/24 including interest on long-term debt, interest on short-term debt, leases, interest capitalized, debt retirement fund earnings, and other finance charges.

17. Reference: Finance Expense

- a) Please provide details with respect to the sinking fund requirements for long-term debt and discuss whether there have been any recent changes to the provincial government's sinking fund requirements for new debt.

18. Reference: Finance Expense

- a) Please provide details of the actual and forecasted sinking fund balances, earnings, contributions, and average returns for the five most recent actual years and forecasts for 2021/22 through 2023/24.
- b) Has SaskPower evaluated what the difference in finance expenses would have been if the sinking fund or debt retirement payments had instead been able to be used to pay down debt principle? If so, please provide any such analysis.

19. Reference: Depreciation and MFR Tab 8

- a) Please confirm that the most recent external depreciation study is from 2018 and provide the proposed timing for the next external depreciation study.
- b) Would SaskPower consider commissioning a version of the next external depreciation study that could be made public?

- c) Did SaskPower accept and implement all of the proposed changes to average service life estimates recommended by the external consultant? If not, please explain which recommendations were not accepted and why.
- d) With reference to the statement in MFR tab 8 that “The equivalency agreement between the Saskatchewan Ministry of Environment and Environment and Climate Change Canada has been signed and ratified. This would formally stand-down the coal regulation from applying in Saskatchewan, leaving the regulation of SaskPower emissions with the Saskatchewan Ministry of Environment.” Please:
 - i. Provide a copy of the ratified equivalency agreement.
 - ii. Discuss and quantify the impact of the equivalency agreement for SaskPower’s depreciation rates and fuel expense, if any.
- e) Please elaborate on the reason for the \$2.625 million impact on depreciation expense related to the Shand unit 1, the \$1.550 million impact on depreciation expense related to the Boundary dam unit 6 and the \$1.176 million impact on depreciation related to the Shand common property groups if the anticipated retirement dates for these property groups has not changed.
- f) Please provide a table that quantifies the impact of any and all changes SaskPower has made to its depreciation rates by depreciable property group since the time of the last rate application.
- g) Please describe SaskPower’s process for reviewing and revising its depreciation rates between external depreciation studies.
- h) Please confirm if SaskPower’s auditor has reviewed and accepted all changes to SaskPower’s depreciation rates for financial reporting purposes.
- i) With reference to section 7.2.3.1 of the Application, please explain the types of assets that are included in the finance lease depreciation line of the table.
- j) Please discuss how SaskPower’s depreciation study or depreciation rates address provisions for net salvage and/or gains or losses on disposal.

20. Reference: Decommissioning and Disposal of Assets

- a) Please discuss how SaskPower plans for the decommissioning and disposal of assets, in particular generation assets.
- b) Are decommissioning requirements considered when selecting new generation resources? Please discuss.
- c) Please discuss how SaskPower addresses refurbishment, reuse, or recycling of materials during decommissioning. In particular, are some types of generation assets more easily reused or recycled than other types of generation assets?

21. Reference: Export Revenues and Electricity Trading

- a) Please provide a break-out of export revenues and electricity trading revenues for each of the last five actual years and forecasts for 2021/22, 2022/23 and 2023/24.
- b) Please describe the activities that lead to each of the export revenues and electricity trading revenues.
- c) Please describe the types of export sales (long-term contract, short-term contract, spot market sales) SaskPower makes and provide details of SaskPower's current export transmission rights.
- d) Please describe in detail how SaskPower prepares its export revenue forecasts and provide an explanation for the decrease in export revenues in 2022/23 relative to 2020/21 and 2021/22 actuals. Please describe any differences between the export revenue forecast methodology and the electricity trading revenue forecast methodology.
- e) Please provide SaskPower's actual export sales for the last 10 years compared to forecasts from the prior year's business plan (i.e. the last business plan prepared prior to the start of the fiscal year).
- f) Please provide an estimate of the proportion of SaskPower's export sales to Alberta compared to other jurisdictions in terms of both volume and revenue.

- g) Please discuss whether SaskPower believes adding renewable generation will affect its export sales, both in terms of volume of export sales and also volatility in export sales forecasts.
- h) Please indicate if there are any fixed costs associated with pursuing exports and/or electricity trading activities and if so, quantify any fixed amounts.
- i) Please provide an illustrative sample of a trading transaction that shows how SaskPower calculates the revenue from the transaction (showing both volumes and prices); the costs of the transaction (including both direct costs and the share of any fixed costs related to trading); and the net revenues from the transaction.

22. Reference: Other Revenue

- a) With reference to the statement in section 7.1.3 that “other revenue is expected to decline slightly as a result of the transfer of SaskPower’s Gas & Electrical Inspections Division to the Technical Safety Authority of Saskatchewan” please discuss:
 - i. The reason for this transfer.
 - ii. Whether there are any offsetting reductions in operations and maintenance expenses as a result of the transfer and if so, please quantify these reductions for 2022/23 and 2023/24.

23. Reference: Other Revenue

- a) Please explain how SaskPower forecasts customer contribution revenues in the test years and provide an explanation for the difference in forecasted contributions between 2022/23 and 2023/24.

24. Reference: Other Revenue

- a) Please discuss how the CO2 sales revenue forecasts are prepared.
- b) Please provide an explanation for the absence of CO2 sales revenues in 2021/22.

25. Reference: Other Revenue

- a) Please provide a detailed breakout of Miscellaneous Revenue for the five most recent actual years and forecasts for 2022/23 and 2023/24. Please provide an explanation for the decreased revenue in 2022/23 and 2023/24 compared to 2021/22.

26. Reference: Business Plan

- a) Please provide a description of SaskPower's annual business planning cycle including inputs required, review and approval processes, and the typical timing of updates.

27. Reference: Business Plan

- a) Please discuss how SaskPower develops its forecasted annual rate increases included in the business plan and why the forecast rate varies by year.
- b) Please provide a table that shows the cumulative percentage rate increase, the cumulative percentage carbon charge increase, and the combined cumulative percentage rate increase and carbon charge increase forecast for each year of the business plan.

28. Reference: Generation expense

- a) For each of the last three actuals years, plus forecasts for 2021/22 through 2023/24, please provide the total cost of generation broken out into:
 - i. Fuel and purchased power expense
 - ii. Operations and maintenance expense
 - iii. Finance expense
 - iv. Depreciation expenses
 - v. Return on equity
 - vi. Other

29. Reference: Fuel and Purchased Power (F&PP)

- a) Please discuss if there have been any changes to the methods SaskPower uses to prepare its fuel and purchased power forecasts since

the response to SRRP Round 1 question 39 from the 2018 rate application. If so, please explain any changes.

- b) Please provide a table showing the total GWh of generation for each of the last three actual years plus forecasts for 2021/22 through 2023/24 for:
 - i. SaskPower's own generation
 - ii. Purchased power within Saskatchewan
 - iii. Imports from outside Saskatchewan

30. Reference: Fuel and Purchased Power (F&PP)

- a) Please identify any actual or forecast energy volumes subject to "Take or Pay" (TOP) obligations under the PPAs (in total) for each of the three most recent actual years and forecasts for 2021/22 through 2023/24.
- b) Please discuss whether SPC has been required to pay for unused energy because of TOP provisions and indicate whether any such costs are forecast to be incurred in 2021/22 through 2023/24.

31. Reference: Fuel and Purchased Power (F&PP)

- a) To the extent possible without requiring the disclosure of confidential information, please provide the average power price for generation owned by SPC and separately, the average purchase price for PPAs by fuel type, and explain any differences in unit costs.

32. Reference: Natural Gas

- a) Please describe SaskPower's natural gas procurement processes including details on any firm contracted transmission and/or storage volumes for the three most recent actual years and forecasts for 2021/22 through 2023/24.

33. Reference: Natural Gas

- a) Please describe any changes to SaskPower's or NorthPoint's procedures, Risk Management Policies, and/or Risk Management Manuals related to procurement and pricing of Natural Gas supplies, including Storage and hedging since the last rate application.

34. Reference: Natural Gas

- a) Please provide a table showing natural gas purchases within Saskatchewan and outside Saskatchewan including total volumes, average unit costs, and total natural gas expenses for each of the three most recent actual years and forecasts for 2021/22 through 2023/24.

35. Reference: Natural Gas

- a) Please provide a schedule showing actual natural gas hedged volumes for the five most recent actual years and currently hedged volumes for 2021/22 through 2023/24. Please summarize the types of financial instruments used each year and indicate the overall annual cost of hedged volumes in aggregate and on a unit basis.
- b) Please provide an estimate of the impact of SaskPower's hedging activities on natural gas costs for each of the five most recent actual years. Please also provide a discussion on the net cost or benefit to ratepayers of the hedging program over the past five years.

36. Reference: Natural Gas

- a) Please provide a schedule that shows SaskPower's natural gas fuel efficiency ratio (i.e. the kW.h generated per unit of natural gas) for each of the three most recent actual years and forecasts for 2021/22 through 2023/24. Please comment on any material variances between years.
- b) Please discuss if the fuel efficiency ratios vary materially across plants and if so, why?
- c) Please describe how SaskPower prepares its forecasts of natural gas fuel efficiencies.

37. Reference: Natural Gas

- a) Please provide a schedule showing the average cost of transmission and storage per GJ for the three most recent actual years and forecasts for 2021/22 through 2023/24.

38. Reference: Coal

- a) Please provide the average heat values for coal generation for each of the past three actual years and forecasts for 2021/22 through 2023/24.

39. Reference: Hydro

- a) Please provide an update on the status of the Tazi Twé project, including whether SaskPower anticipates it may become an economic project in the future.

40. Reference: Hydro

- a) Please provide a schedule showing the actual and forecasted water rental rates for the three most recent years of actuals and forecasts for 2021/22 through 2023/24.

41. Reference: Hydro

- a) Please provide any updates on the expected flow conditions for 2022/23 based on recent snowfall or other conditions since the business plan supporting the rate application was prepared.

42. Reference: Hydro

- a) Please confirm which 40 years of data are used for forecasting hydro availability.
- b) Please discuss whether SaskPower has prepared an analysis of the potential effects of climate change on future hydro generation and if so, provide a summary of the analysis.

43. Reference: Wind

- a) Please provide a schedule showing actual and forecasted monthly wind generation in GWh and wind capacity factors for wind facilities for the last three actual years and forecasts for 2021/22 through 2023/24.
- b) What proportion of the 385 MW of wind generation to be added in 2021/22 as described on page 24 of the application will be SaskPower owned wind generation versus purchased power?

44. Reference: Purchase Power Agreements

- a) Does SaskPower have any site restoration or site remediation obligations related to its purchase power agreements? Please discuss how any such obligations are addressed with purchase power agreements.

- b) Does SaskPower require that the operators of facilities with purchase power agreements undertake site remediation and site restoration when the facility reaches its end of life? Please discuss any such requirements and how they are incorporated into purchase power agreements.

45. Reference: Imports

- a) Please provide a schedule showing actual and forecasted import volumes and average prices separately for firm import contracts and spot market or short-term contracts for each of the last four actual years and forecasts for 2021/22 through 2023/24.
- b) Please discuss any current plans SaskPower has to increase import capabilities from other jurisdictions.

46. Reference: Other

- a) Please provide an explanation for the increase in other fuel and purchased power expense and volumes for 2022/23 and 2023/24 compared to prior years.
- b) Please provide a breakdown of the increased volumes in each year from 2021/22 through 2023/24 that relate to solar versus other types of generation.

47. Reference: Operating, Maintenance and Administration (OM&A)

- a) Please provide an update to the response to Round 1 SRRP Q68 from the 2018 rate application adding any actual year results available since 2016/17.
- b) Please provide an explanation for any material variances between forecasts and actuals in the information provided in the response to part (a).

48. Reference: Operating, Maintenance and Administration (OM&A)

- a) Please provide a breakout of SaskPower's OM&A spending by business unit for each of the five most recent years of actuals and forecasts for 2021/22 through 2023/24.

49. Reference: Operating, Maintenance and Administration (OM&A)

- a) Please provide the actual overhaul spending for the three most recent years and forecasts for 2021/22 through 2023/24.

50. Reference: Operating, Maintenance and Administration (OM&A)

- a) Please provide the actual vacancy rates for the three most recent years and forecasts for 2021/22 through 2023/24.

51. Reference: Operating, Maintenance and Administration (OM&A)

- a) Please indicate when the current collective agreements are set to expire and provide an update on the status of any negotiations for future collective agreements.
- b) With reference to the response to Pre-ask 7 (c) (i) (MFR tab 24) please provide the breakdown of FTEs between employees covered by collective agreements and those excluded from collective agreements.
- c) With reference to the response to Pre-ask 7 (c) (v) please explain what labour credits are and how SaskPower prepares forecasts of labour credits.

52. Reference: Operating, Maintenance and Administration (OM&A)

- a) With reference to the response to Pre-ask 8 (MFR tab 24) please discuss how SaskPower selects the recipients of its donations and sponsorships.
- b) Please confirm donations and sponsorships are included in the total OM&A figures in the table on page 26 of the application.

53. Reference: Operating, Maintenance and Administration (OM&A)

- a) Please summarize SaskPower's overtime policies and describe how SaskPower forecasts overtime.

54. Reference: Operating, Maintenance and Administration (OM&A)

- a) Does SaskPower have bonus or at-risk pay incentive structures for any employees? If so, please provide a summary of any such programs.

55. Reference: OM&A - Nuclear SMR research

- a) Please provide a schedule showing the costs related to SMR research included in total OM&A for each of the last three actual years and forecasts for 2021/22 through 2023/24.
- b) Please provide a copy (by attachment or weblink) of the MOU with Ontario, New Brunswick and Alberta or a summary of the content of the MOU that can be made public.
- c) Please provide a copy of the SMR Action Plan.

56. Reference: OM&A – Distribution system reliability

- a) Please provide a schedule showing the number of positions and costs related to additional staff to support the distribution system reliability initiative included in total OM&A for each of the last three actual years and forecasts for 2021/22 through 2023/24.

57. Reference: OM&A – Vegetation management

- a) Please provide a schedule showing the costs related to vegetation management included in total OM&A for each of the last three actual years and forecasts for 2021/22 through 2023/24.

58. Reference: OM&A – Inflation

- a) Please provide the inflation rate assumed in preparing the OM&A forecasts for each of 2021/22 through 2023/24 and comment on whether or not SaskPower continues to believe that the inflation rate forecasts are reasonable.
- b) Please provide an estimate of the increase on OM&A forecasts for 2022/23 and 2023/24 if inflation assumptions were increased to 3% each year.

59. Reference: Information Technology

- a) To assist the Panel in understanding changes in IT costs please provide, for each of the last three actuals years plus forecasts for 2021/22 through 2023/24, SaskPower's total IT related costs broken out into:
 - i. Operations and maintenance expenses
 - ii. Finance expenses

- iii. Depreciation expenses
- iv. Return on equity
- v. Other

b) Please describe SaskPower's approach to IT security, including how SaskPower develops and monitors its IT security policies and procedures and any recent updates to those policies and procedures.

60. Reference: Other Expenses

a) Please provide a break-out of SaskPower's Other expense category including Asset Disposals, Asset Retirements, Foreign exchange (if any), and Environmental Expenses for each of the five most recent actual years and forecasts for 2021/22 through 2023/24.

61. Reference: Debt and Equity

- a) Please confirm the current borrowing limit for SaskPower pursuant to the Power Corporation Act.
- b) Please provide SaskPower's actual unused credit capacity at the most recent actual year and forecasts for 2021/22 through 2023/24.

62. Reference: Debt and Equity

- a) With reference to the response to Pre-Ask 11 please explain the nature of the equity advances shown in the tables.
- b) Please discuss why the equity advances vary between actuals and forecasts.
- c) Please confirm if SaskPower repaid a portion of the equity advances during this period and if so, please discuss the reasons for the repayment.

63. Reference: Business Optimization

a) Please discuss if SaskPower has continued the Business Optimization program described in the 2018 rate application proceeding. If so, please provide an update on the program, if not, please discuss what programs or initiatives have replaced the Business Optimization program.

64. Reference: Productivity and Efficiency

- a) Please discuss how SaskPower budgets for and tracks productivity and efficiency improvements in its operating budgets.
- b) Please provide any quantifiable information SaskPower maintains on tracking the long-term savings of productivity and efficiency programs.

65. Reference: Safety

- a) Please provide the five most recent years of actual lost-time injury frequency rates, lost-time injury severity rates, and recordable injury frequency rates for SaskPower and peer CEA utilities.
- b) Please provide an overview of how SaskPower's workplace safety programs and how SaskPower responds to changes in safety rates.

66. Reference: Capital Program

- a) Please describe any changes to SaskPower's capital planning process since the time of the last rate application in particular with respect to:
 - i. how project scopes and budgets are developed;
 - ii. the approval process for SaskPower's capital plan;
 - iii. how SaskPower paces and prioritizes its capital plans (for example, does SaskPower develop a high-level capital spending envelope and then prioritize projects within that envelope); and
 - iv. how SaskPower manages and monitors the delivery of its capital projects including project reporting, variance analysis, and quality assurance in the delivery of each capital project.

67. Reference: Capital Program

- a) Please expand the capital spending table provided on page 29 of the application to include the most recent five years of actual spending.

68. Reference: Capital Program

- a) With respect to the E.B. Campbell hydroelectric station life expansion please discuss:
 - i. How long the project is anticipated to extend the life of the facility?
 - ii. Whether the project will result in any improved generation efficiency at the facility.

69. Reference: Capital Program

- a) With reference to the rural rebuild and improvement program, please discuss how SaskPower identifies and prioritizes the lines to be replaced.

70. Reference: Capital Program

- a) With reference to the \$50 million provincial stimulus grant to enhance system reliability and build distribution capacity please discuss how the grant funding is allocated to different capital projects and in what years.

71. Reference: Capital Program

- a) With respect to the Great Plains power station, please discuss the specific features of the project that support the integration of renewable generation.

72. Reference: Capital Program

- a) With respect to the smart meter deployment, will the smart meters enable SaskPower to implement demand billing options or rate structures for smaller customers? If not, please discuss what additional projects would be required to implement demand billing options for smaller customers and any timelines for such projects to be completed.

73. Reference: Capital Program

- a) Please discuss if SaskPower has any plans for new or expanded transmission interconnections with other jurisdictions in the next ten years.

74. Reference: Capital Program

- a) Please provide an update on SaskPower's logistics warehouse project, including forecast budget and timelines.
- b) Please discuss if SaskPower anticipates any OM&A savings once the project is completed and in-service.

75. Reference: Customer connects

- a) Please provide SaskPower's customer connect spending by customer class for each of the last three actual years and forecasts for 2021/22 through 2023/24.

- b) Please describe any updates or changes to SaskPower’s customer connect policies since the time of the 2018 rate application.

76. Reference: Load Forecasts

- a) Please confirm that the application is based on the 2022 Q1 Load Forecast. If not confirmed, please provide the load forecast documents that the application is based on as well as any differences in assumptions, methods, or explanatory variables used.

77. Reference: Load Forecasts

- a) Please discuss any changes to assumptions, methodology, or explanatory variables used for the load forecasts and customer count forecasts for each major customer class since the previous rate application, including any changes affecting input data.
- b) Please discuss any alternative assumptions, methods, and explanatory variables that were tested by SaskPower for the load forecasts or customer count forecasts and why these were not chosen for the final forecasts.
- c) Please discuss what data was used to fit or train each SaskPower load forecast and customer count model and how accurate the models have been shown to fit testing data during validation.
- d) Please provide the number of years worth of data that is used for the published SaskPower load forecasts and customer count forecasts.
- e) Please discuss how SaskPower has considered the potential for electrification of vehicles or heating loads in developing its load forecasts and provide a table or figure illustrating SaskPower’s current forecast of the impact of electrification of vehicle and heating loads on sales and demand peaks.

78. Reference: Load Forecasts

- a) For each of the ten most recent actual years, please provide a schedule showing the actual sales for each major customer group and the sales forecast from the load forecast immediately preceding the actual year.

Please also include forecast and actual line losses and station service. Comment on any material variances between actuals and forecasts.

- b) Please discuss how SaskPower evaluates the accuracy of its forecast methodology.
- c) Please comment on how changes to forecast methodologies may have improved forecast accuracy since the last rate application.

79. Reference: Load Forecasts

- a) For each of the ten most recent actual years, please provide a schedule showing the actual customer counts for each major customer group and the customer count forecast from the load forecast immediately preceding the actual year. Comment on any material variances between actuals and forecasts.
- b) Please discuss how SaskPower evaluates the accuracy of its forecast methodology.
- c) Please comment on how changes to forecast methodologies may have improved forecast accuracy since the last rate application.

80. Reference: Load Forecasts

- a) Please comment on the steps SaskPower takes to verify large-scale industrial and commercial customer load forecasts and any changes SaskPower makes to these self-reported customer forecasts to reduce variability.

81. Reference: Load Forecasts

- a) Please provide the forecasted and top three actual system winter and summer peaks for each of the five most recent actual years.
- b) Please comment on any material variances between actual and forecast peaks for the most recent five years as well as how any changes in methodology to the current system peak demand forecast will improve forecast accuracy.
- c) Please provide the generation capacity by fuel type used to meet the top actual system winter and summer peaks.

- d) Please elaborate on the statement on page 9 of the application that “In general, the residential, farm and reseller classes have shown relatively flat changes in demand, while the commercial, oilfields and power customers see more volatile changes in demand” and quantify the changes in peak demand by customer type for each of the last three years and forecasts for 2021/22 through 2023/24.

82. Reference: Load Forecast

- a) Please discuss what SaskPower believes to be the short-term versus long-term effects of Covid-19 on energy demand due to changes in the behavior of each major customer group and how SaskPower’s models account for these short-term versus long-term changes.

83. Reference: Energy Efficiency

- a) With reference to the response to first round information request SRRP Q111 from the 2018 rate application please provide a copy of the 2017 Conservation Potential Review and discuss the implementation of the study.

84. Reference: Energy Efficiency

- a) With reference to the energy efficiency programs summarized in section 2.1 of the application, please provide the actual costs associated with these programs for the three most recent actual years and forecasts for 2021/22 through 2023/24.
- b) Please provide summary details of any other energy efficiency, demand side management, or conservation programs currently administered by SaskPower beyond those summarized in section 2.1 of the application.

85. Reference: Demand Response Program

- a) Please comment on any changes that have occurred to the Demand Response program since the last rate application.
- b) Please provide a summary of subscriptions to the demand response program, including the total number of customers and the total amount of capacity subscribed to each rate option for each of the last three years.

86. Reference: Net Metering Program

- a) Please provide a summary of subscriptions to the net metering program including the total number of customers subscribed, the total installed capacity, and the total generation delivered from customers to SaskPower under the program for each of the last three years.
- b) Please discuss how SaskPower determined the Net metering credit of 7.5 cents per kWh was appropriate.
- c) With reference to SaskPower's website at:
<https://www.saskpower.com/Our-Power-Future/Powering-2030/Generating-Power-as-an-Individual/Using-the-Power-You-Make/Net-Metering/What-We-Heard-From-You-Pricing-Review>

Please provide any supporting studies or analysis used by SaskPower to support the statement "It is more cost-effective for us to meet our 2050 emission reduction goals through utility-scale low-or non-emitting projects."

87. Reference: Cost of Service Study

- a) Please confirm SaskPower's current cost of service study has accepted and implemented the Elenchus recommendations to implement the average and excess method to classify SaskPower's generating assets, to implement the minimum system method to classify distribution transformers and urban and rural distribution line costs, and to replace the existing NCP data used for allocation purposes with the class maximum diversified demand. If not confirmed, please provide an explanation.
- b) Please discuss when SaskPower anticipates its next external review of its cost of service methodology will take place.
- c) Please elaborate on the reasons for changing the classification of wind generation ratebase and expenses to use the Average & Excess Demand (AED) method instead of using a method based on planning studies regarding the capacity value of wind generation. Please also provide tables that compare:

- i. The proportion of costs classified to energy and demand using the AED method compared to the previous classification method.
 - ii. The allocation of total revenue requirement to each customer class using the AED method and the previous classification method.
- d) Please discuss if there have been any other changes made to the cost of service study methodology since the last external review and if so, please itemize them and provide a discussion of the rationale for the change.
- e) Please discuss if in SaskPower's view the cost of service study results are influenced by sales and peak demand changes by customer class related to the Covid-19 pandemic.

88. Reference: Proposed Rates Revenue to Revenue Requirement Ratios

- a) Please provide the revenues and revenue requirement breakdowns by class in dollars supporting the calculation of the 2022/23 revenue to revenue requirement ratios illustrated in the first table on page 34 of the application and the 2023/24 revenue requirement ratios illustrated in the first table on page 35 of the application.
- b) Please provide a detailed explanation for why the streetlights class is proposed to receive a lower than average rate increase when its revenue to revenue requirement ratio is below 1.00.
- c) Please provide a detailed explanation for why the power – contract rate class is proposed to receive a lower than average rate increase when its revenue to revenue requirement ratio is below 1.00.
- d) Please provide a table showing the 2022/23 and 2023/24 percentage rate increases by class that would be required to have all customer classes achieve revenue to revenue requirement ratios of between 0.98 and 1.02 by 2023/24.

89. Reference: Proposed Rates

- a) Please confirm SaskPower is proposing to eliminate the existing differences in the basic monthly charge between city accounts and rural accounts for residential, general service and small commercial customers. Please also discuss if this effectively eliminates all differences between city and rural rate codes.

- b) Please provide a schedule that compares, for each rate class:
 - i. The 2023/24 class revenue requirement classified to each of energy, demand, and customer.
 - ii. The forecast 2023/24 total class revenue generated by each of energy charges, demand charges, and customer charges.
- c) Please indicate when SaskPower last adjusted rates that included a degree of rate rebalancing.

90. Reference: Proposed Rates

- a) Please provide a summary of municipal surcharges, including both the percentage of the surcharge and the total dollars collected for the most recent actual year available.

91. Reference: Capacity Reservation Service

- a) How many customers are currently subscribed to SaskPower's Capacity Reservation Service?
- b) Please provide an update on how SaskPower is addressing the recommendations made in section 4.1 of the Elenchus report dated April 2020.
- c) Please confirm whether or not the Capacity Reservation Service rate is considered 'interim' and if so, when and by what process SaskPower anticipates making it a permanent rate offering.

92. Reference: Competitiveness

- a) Please identify which other utilities are included in the 'range of rates at Canadian utilities' and 'thermal average' figures provided in the chart on page 14 of the application.

93. Reference: Competitiveness

- a) Please provide a table showing the calculation of bills before applicable taxes and after applicable taxes, including the carbon charge rider and any bill relief programs that may have been in place, for each of the following types of customers located in Regina at rates effective April 1,

2021, and proposed for September 1, 2022 and April 1, 2023. Please also confirm which rate code would apply to each customer:

- i. A residential customer using 625 kWh in a month.
 - ii. A small commercial customer with demand of 14 kW and using 2,000 kWh in a month.
 - iii. A large power customer using 5,000 kW of demand and 3,060,000 kWh in a month.
- b) Please confirm the rates shown in the calculation of the rate change impacts provided in Appendix C of the application do not include the carbon charge rider, municipal surcharges, and other taxes and that these are applied to bills in addition to the rates shown in Appendix C.

94. Reference: Competitiveness

- a) Please provide details of the Saskatchewan Economic Recovery Rebate program, including the dates the program was in effect, program eligibility requirements, the methods by which the rebate was calculated and applied to customer bills, and the total amount of rebate provided to each class of customer.

95. Reference: Competitiveness

- a) Please expand the rates versus inflation figure on page 16 of the application to include SaskPower's proposed rate increases for 2022/23 and 2023/24 and the inflation rates assumed in SaskPower's most recent business plan.

96. Reference: System Operations

- a) Please describe SaskPower's dispatch policies or rules for use of the various fuel sources to meet capacity and energy requirements. Please highlight any changes to these dispatch policies or rules since the last rate application.

97. Reference: Reliability

- a) Please provide a table summarizing transmission SAIDI, transmission SAIFI, distribution SAIDI, distribution SAIFI, and distribution CAIDI for the most recent five years of actuals available for each of:

- i. SaskPower
 - ii. Canadian utility averages
- b) Please discuss any factors contributing to SaskPower’s performance relative to the average of the other utilities such as reporting framework (e.g., including or excluding major events, different requirements for planned outages, etc.).
- c) Please discuss how SaskPower considers its reliability indicator performance when developing its capital plan. Does SaskPower prioritize capital spending to address particular areas or types of outages observed to impact reliability performance?
- d) For each of transmission and distribution, please provide a breakdown of the causes of outages by type for both outage frequency and duration for each of the last three actual years available, similar to the format of the response to SRRP Q131 from the first round interrogatories in the 2018 Rate Application review.
- e) Please provide SaskPower’s actual system average generation equivalent availability factor (EAF) for the most recent 5 actual years available and provide explanations for any changes over time.
- f) Please discuss how SaskPower monitors or evaluates the reliability of purchased power generation and whether purchased power availability influences the calculation of EAF for SaskPower’s own generation.
- g) With reference to page 52 of SaskPower’s 2020-21 Corporate Responsibility & Sustainability Report:
- i. Provide the transmission and distribution SAIDI and SAIFI metrics for each year with Major Event Days included and with Major Event Days removed.
 - ii. Please provide the definition of a “Major Event Day” and provide a list of the Major Event Days that occurred in each year from 2018/19 through 2020/21.
 - iii. Please explain how the 2021/22 targets were determined and provide any updated targets for 2022/23 or 2023/24 if available.

- h) Please provide a chart summarizing SaskPower's transmission health index by structure grade for the three most recent actual years available and comment on the reasons for any changes over time.
- i) Does SaskPower calculate a momentary average interruption frequency index (MAIFI)? If so, please provide the MAIFI for each of the last five actual years. If not, please explain why not.

98. Reference: Resource Planning

- a) With reference to page 54 of SaskPower's 2020-21 annual report, please provide a summary that can be made public of:
 - i. the goals and objectives of SaskPower's Integrated Resource Plan
 - ii. an overview of the methods used to develop the plan, including models or decision analysis frameworks used in the plan
- b) With reference to tab 17 of the MFRs, please provide a summary of the results of SaskPower's online dialogues from the spring of 2021 related to resource planning and discuss how SaskPower is using the information obtained during those discussions.

99. Reference: Resource Planning

- a) Please itemize the planning criteria used by SaskPower in developing its Resource Plans such as firm energy and capacity requirements. Please include any policy objectives such as reducing greenhouse gas emissions or installing a particular capacity of renewable generation.
- b) With reference to the chart on page 23 of the application, please describe how or if SaskPower considers intermittent resources in its resource planning? Does SaskPower consider intermittent resources to contribute to the ability to meet firm energy and/or capacity requirements?
- c) Please discuss SaskPower's current plans for utility scale battery or other storage technologies.

100. Reference: Resource Planning

- a) At page 4 of the application, SaskPower states it has updated its GHG emissions reduction target to 50% below 2005 by 2030. Please provide a

chart that shows SaskPower's actual and forecast GHG emissions by year from 2005 through 2030.

- b) Please provide a table that shows the contribution to SaskPower's GHG emissions by generation type for each year from 2005 through 2030.
- c) Please provide an estimate of the levelized cost of GHG savings incurred by SaskPower to achieve its target.
- d) Please confirm what percentage of total energy supply (GW.h) would be provided by renewable generation resources if the 50% renewable capacity target were achieved.
- e) Does SaskPower consider imports from Manitoba Hydro under long-term contract to contribute to the 50% renewable capacity target?

101. Reference: Resource Planning

- a) With reference to the response to SRRP first round Q138 from the 2018 rate review process, please provide an update on the status of SaskPower's renewable integration study and a summary of key findings or results.
- b) Please explain how SaskPower considers renewable integration costs in its resource planning.

102. Reference: Resource Planning

- a) Please provide an update to the response to SRRP first round Q141 for the years 2022 through 2050.

103. Reference: Resource Planning

- a) Please describe the supporting infrastructure, including transmission and distribution upgrades, required to implement SaskPower's preferred resource supply plan.

104. Reference: Electric Vehicles

- a) Please provide details of SaskPower's Electric Vehicle Infrastructure Program including any business case prepared in support of the \$2 million investment toward the program.

- b) What rates does SaskPower charge electric vehicle charging stations?
- c) Has SaskPower considered developing rate structures for electric vehicle charging either at residences or commercial locations?