

SASKPOWER'S REGIONAL EVALUATION PROCESS

SITING INDICATOR WORKBOOK HELP DOCUMENT - FACILITATION SUPPORT INFORMATION



PURPOSE

The following information is being provided to REP Workshop Participants to aid in gathering input on the indicator workbooks discussed in REP Workshop #2. Included in this package are:

- A legend to support working through the indicators in the workbook.
- Notes indicating where to find additional information in Appendix A (Regional Siting Criteria and Scoring Input) of the Regional Evaluation Report: Draft 1.
- Stand alone copies of select slides from the siting process presentation provided during the REP #2 workshop that are helpful in understanding how the indicators work and where input from participants is valuable.

LEGEND

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-  POTENTIAL STUDY AREA BOUNDARY (10 km)
-  PROPOSED STUDY AREA BOUNDARIES (30 km)

INDICATOR SUITABILITY





INDICATOR ATTRIBUTES

Additional information describing the characteristics of the indicators are included in Appendix A (Regional Siting Criteria and Scoring Input) of the Regional Evaluation Report: Draft 1. Specifically, this is provided in Table 1 Indicator Attributes on page 4 of 32.

INDICATOR WORKBOOK TABLE

In addition to the single page descriptions of each indicator in the Indicator Workbook, the same information is presented in table form in Appendix A (Regional Siting Criteria and Scoring Input) of the Regional Evaluation Report: Draft 1 starting on Page 11 of 32 (Annex A. Indicator Workbook Table). This provides a quick way to look up the information included on each indicator page.



PRESENTATION SLIDES

Indicator Workbooks – Input Examples

FUTURE URBAN DEVELOPMENT

Minimize encroachment on future development land

Suggest a new regional criteria to add to indicator list

SOURCE
Information Services Corporation (ISC)

Suggest a new data source

LAYER PRE-PROCESSING AND COMMENTS

Zero to 5 km is low suitability, from 5 to 10 km distance decay is from low to high from urban municipalities. A 500 m buffer added to areas within First Nations reserves with a population density > 50 people/km2

DESCRIPTION

Encroachment on land adjacent to urban municipality boundaries and First Nations communities should be minimized. Area beyond 5 km of communities is assumed to have a lower risk of high-density development in the next 60 years.

Comment on a proximity criteria

Provide additional information relevant to an existing criteria

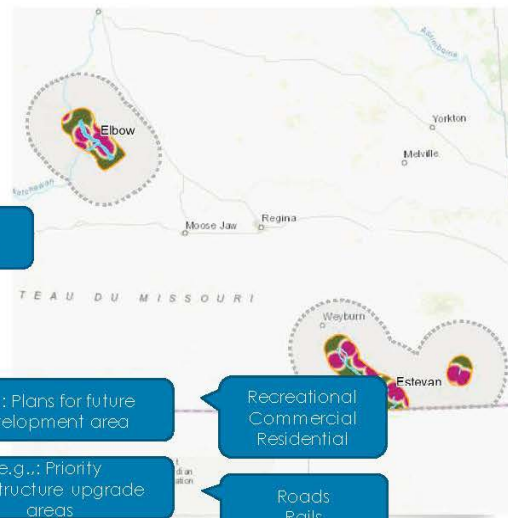
e.g.,: Plans for future development area

e.g.,: Priority infrastructure upgrade areas

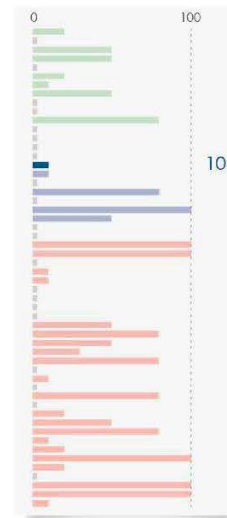
Recreational
Commercial
Residential

Roads
Rails

GEOGRAPHIC EXTENT



WEIGHT FOR SMR SITING



16

Future Urban Development

Do

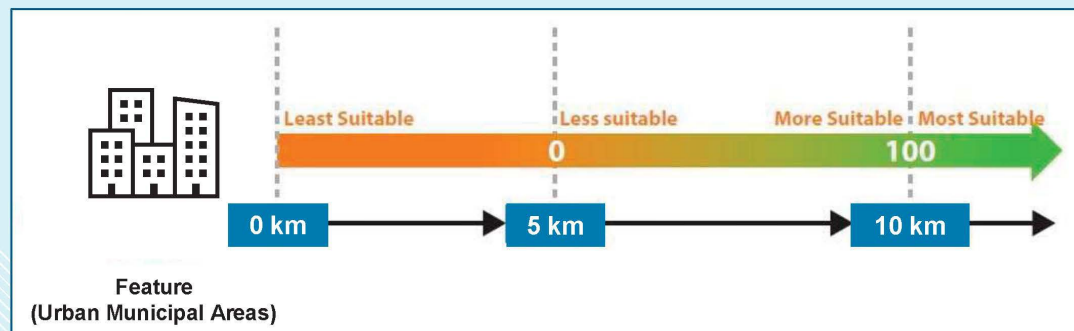




Indicator Workbooks – Input Examples

EXAMPLE OF A PROXIMITY CRITERIA

“Zero to 5 km is low suitability, from 5 to 10 km distance decay from low to high from urban municipality”



The feature can or cannot be an exclusion

This area is equally less suitable

The area is gradually more suitable (i.e., distance decay)

Everything past this point is most suitable





Indicator Workbooks – Breakout Session

SaskPower
Powering our future®

Workbook
Regional Evaluation Process (REP)
Workshop 2 - Estevan and Elbow
December 13 and 15, 2022

Social / Cultural

Indicators

- 13. Cemeteries
- 14. Department of National Defense (DND) Military Lands
- 15. First Nations Reserves
- 16. Future Urban Development
- 17. Heritage Sensitivity
- 18. International Border
- 19. Population Density
- 20. Population Density > 200
- 21. Proximity to Workforce
- 22. SaskPower Lands
- 23. Urban Municipal Areas

Environmental

Indicators

- 01. Aquatic Species at Risk Range
- 02. Federal Critical Habitat
- 03. Federal Critical Habitat Proximity
- 04. Managed Lands
- 05. Protected Lands
- 06. Protected Lands Proximity
- 07. Rare/Endangered Species
- 08. TWH Wildlife Habitat
- 09. Waterbodies
- 10. Watercourses
- 11. Wetlands
- 12. Woodland Caribou Habitat

Technical

Indicators

- 24. Aerodrome - Large
- 25. Aerodrome - Small
- 26. Airspace - Advisory
- 27. Airspace - Restricted
- 28. Dams
- 29. Drought Potential
- 30. Existing Power Plants
- 31. Faults
- 32. Gas Storage
- 33. Hazardous Facilities
- 34. Hazardous Facilities Proximity
- 35. High Pressure Pipelines Proximity
- 36. Highway Proximity - Primary
- 37. Highway Proximity - Secondary
- 38. Intersecting
- 39. Linear Infrastructure
- 40. Mining
- 41. Oil and Gas Wells
- 42. Oil and Gas Wells Proximity
- 43. Pipelines
- 44. Railway Proximity - Mainline
- 45. Railway Proximity - Spurs
- 46. Regional Power Demand
- 47. Seismic Hazard
- 48. Severe Precipitation
- 49. Surficial Geology
- 50. Tornado Potential
- 51. Transmission Grid 230 KV
- 52. Water Sources
- 53. Water Sources Proximity
- 54. Water Wells