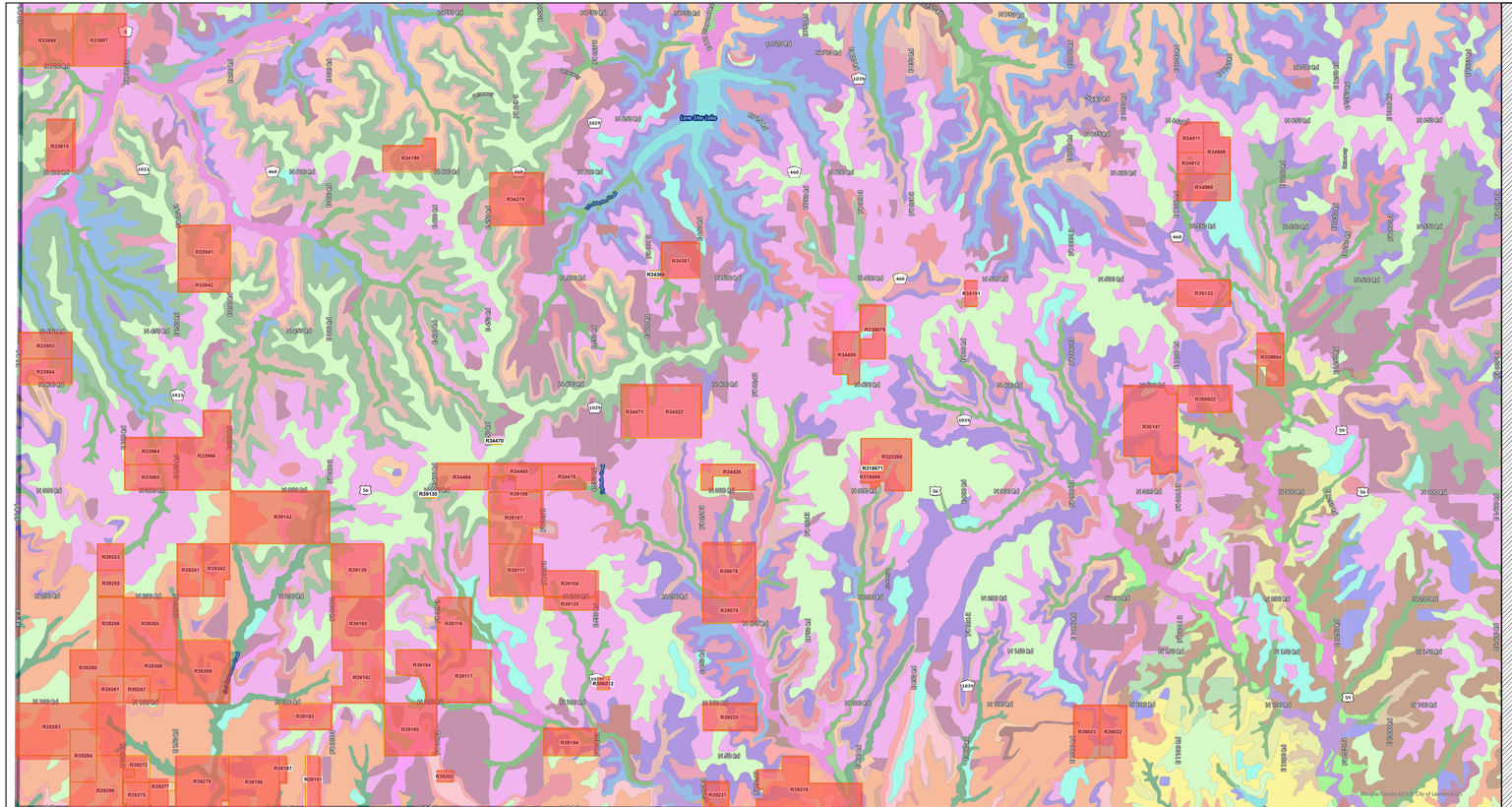
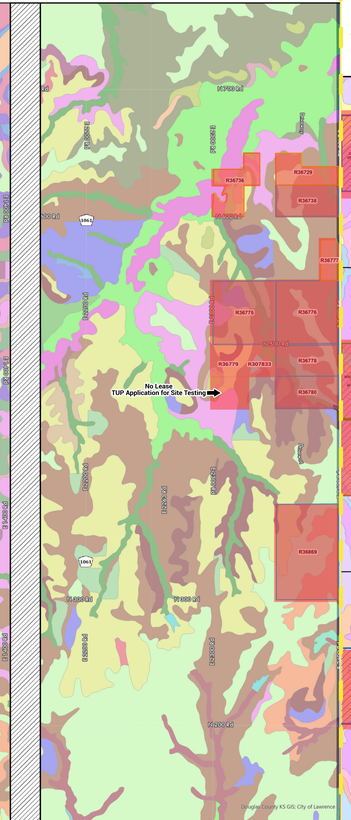



Map Frame:
West of Baldwin City, Kansas




Map Frame:
East of Baldwin City, Kansas

# SOUTH SECTION OF DOUGLAS COUNTY, KS: SOIL TYPE MAP

**TOTAL OF Approximatley 8,463 Acres (13.22344 Square Miles) of Ground Leases Secured by NextEra Energy for Industrial Utility-Scale Solar/Wind Power Facilities**

(Ground Leases/Deeds as of 4/3/2023, Sources: Douglas County, KS Deeds & GIS Mapping Departments)

NextEra Energy (Boulevard Associates, LLC & West Gardner Solar, LLC) Ground Leases/Deeds for Industrial Utility-Scale Solar/Wind Power Facilities

Boulevard Associates

West Gardner Solar Leases

**Soil**

- Aliceville silty clay loam, 1 to 3 percent slopes
- Arents, earthen dam
- Basehor complex, 5 to 30 percent slopes
- Bates loam, 1 to 3 percent slopes
- Bates-Collinsville complex, 3 to 15 percent slopes
- Bates-Collinsville complex, 3 to 7 percent slopes
- Belvue silt loam, escarpment, 2 to 12 percent slopes
- Bismarckgrove-Kimo complex, rarely flooded
- Bolivar-Hector complex, 5 to 15 percent slopes
- Clareson-Eram complex, 3 to 15 percent slopes, very rocky
- Dennis silt loam, 3 to 7 percent slopes
- Dennis-Bates complex, 3 to 7 percent slopes
- Dennis-Bates complex, 3 to 7 percent slopes, eroded
- Elmont loam, 3 to 7 percent slopes
- Elmont silt loam, 3 to 7 percent slopes, eroded
- Eram silty clay loam, 3 to 7 percent slopes
- Eram-Aliceville complex, 3 to 8 percent slopes
- Eram-Lebo silty clay loams, 5 to 20 percent slopes
- Endora silt loam, occasionally flooded
- Endora silt loam, rarely flooded
- Endora silt loam, very rarely flooded
- Eudora-Bismarckgrove fine sandy loams, overwash, occasionally flooded
- Eudora-Bismarckgrove silt loams, occasionally flooded
- Eudora-Bismarckgrove silt loams, rarely flooded
- Eudora-Kimo complex, overwash, rarely flooded
- Eudora-Kimo complex, rarely flooded
- Eudora-Urban land complex, rarely flooded
- Falleaf-Grinter soils, 8 to 20 percent slopes
- Fluvents, frequently flooded
- Gravel pits and quarries
- Gymer silt loam, 1 to 3 percent slopes
- Gymer silt loam, 3 to 7 percent slopes
- Judson silt loam, rarely flooded
- Kennebec silt loam, frequently flooded
- Kennebec silt loam, occasionally flooded
- Kenoma silt loam, 1 to 3 percent slopes
- Kimo silty clay loam, occasionally flooded
- Kimo silty clay loam, rarely flooded
- Labette silty clay loam, 1 to 3 percent slopes
- Labette silty clay loam, 3 to 7 percent slopes, eroded
- Ladysmith silty clay loam, 1 to 3 percent slopes
- Leanna silt loam, 0 to 2 percent slopes, occasionally flooded
- Lebo-Rock outcrop complex, 20 to 40 percent slopes
- Martin silty clay loam, 1 to 3 percent slopes
- Martin silty clay loam, 3 to 7 percent slopes
- Martin silty clay loam, 3 to 7 percent slopes, eroded
- Martin silty clay loam, 7 to 12 percent slopes
- Martin silty clay loam, 7 to 12 percent slopes, eroded
- Martin soils, 3 to 7 percent slopes, eroded
- Martin-Kennebec complex, 0 to 12 percent slopes
- Martin-Oska silty clay loams, 3 to 6 percent slopes
- Mason silt loam, 0 to 1 percent slopes, rarely flooded
- Miscellaneous water
- Morrill clay loam, 3 to 7 percent slopes
- Morrill clay loam, 7 to 12 percent slopes
- Morrill loam, 3 to 7 percent slopes
- Morrill-Gravelly Land complex, 4 to 12 percent slopes
- Morrill-gravelly loam, 4 to 20 percent slopes, stony
- Muscotah silty clay loam, very rarely flooded
- Osage silty clay loam, 0 to 1 percent slopes, occasionally flooded
- Oska silty clay loam, 3 to 6 percent slopes
- Oska silty clay loam, 3 to 8 percent slopes, eroded
- Pawnee clay loam, 1 to 4 percent slopes
- Pawnee clay loam, 4 to 8 percent slopes, eroded
- Reading silt loam, moderately wet, very rarely flooded
- Reading silt loam, rarely flooded
- Reading silty clay loam, rarely flooded
- Rosendale-Bendena silty clay loams, 3 to 40 percent slopes
- Rossville silt loam, very rarely flooded
- Sand Pits
- Sharpsburg silt loam, 1 to 4 percent slopes
- Sharpsburg silt loam, 4 to 8 percent slopes
- Sibleyville complex, 3 to 7 percent slopes
- Sibleyville complex, 3 to 7 percent slopes, eroded
- Sibleyville complex, 7 to 12 percent slopes
- Sibleyville loam, 3 to 7 percent slopes
- Sibleyville loam, 3 to 7 percent slopes, eroded
- Sibleyville-Vinland loams, 3 to 7 percent slopes
- Sogn-Vinland complex, 3 to 25 percent slopes
- Stonehouse sand, occasionally flooded
- Stonehouse-Eudora fine sandy loams, overwash, occasionally flooded
- Summit silty clay loam, 1 to 3 percent slopes
- Summit silty clay loam, 3 to 7 percent slopes
- Verdigris silt loam, 0 to 1 percent slopes, frequently flooded
- Verdigris silt loam, 0 to 1 percent slopes, occasionally flooded
- Verdigris silt loam, channeled, 0 to 2 percent slopes, frequently flooded
- Vinland complex, 3 to 7 percent slopes
- Vinland complex, 3 to 7 percent slopes, eroded
- Vinland-Martin complex, 7 to 15 percent slopes
- Vinland-Rock outcrop complex, 15 to 45 percent slopes
- Wabash silty clay loam, occasionally flooded
- Wabash silty clay, occasionally flooded
- Wabash silty clay, very rarely flooded
- Water
- Woodson silt loam, 0 to 1 percent slopes
- Woodson silt loam, 1 to 3 percent slopes
- Woodson silty clay loam, 1 to 3 percent slopes, eroded

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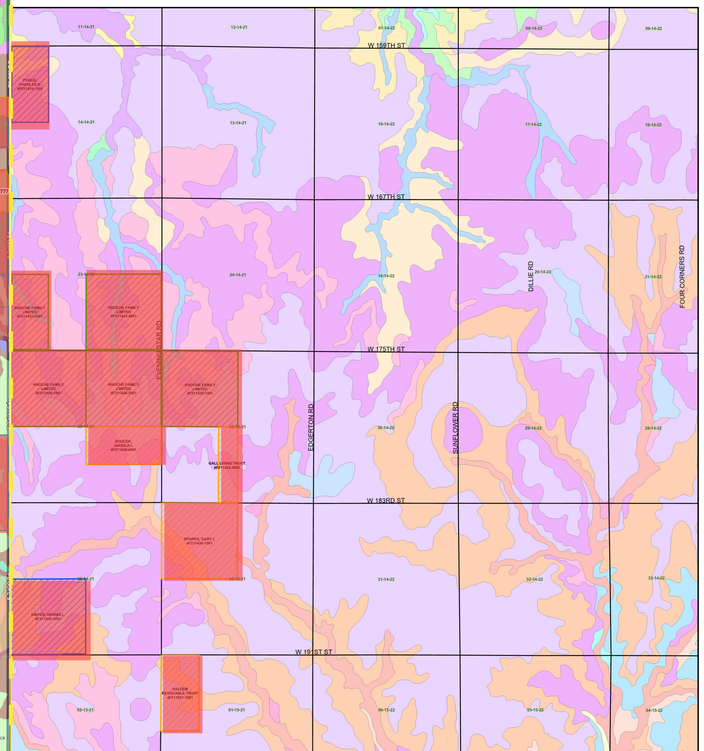
GIS MAP DISCLAIMER: This map is to be used for reference purposes only, and no other use or reliance on the same is authorized. Parcel lines are shown for tax purposes only and are not intended for conveyances, nor is it intended to substitute for a legal survey or property abstract. Parcels shown do not necessarily constitute a legal lot of record.

Map produced 4/3/2023, GIS, SS, CM
*Date of Imagery: March 2022 by Surdex Corporation*




# SOUTHWEST SECTION OF JOHNSON COUNTY, KS: Soil Type Map

**TOTAL OF Approximatley 1,308.26 Acres (2.04415 Square Miles) of Ground Leases Secured by NextEra Energy for Industrial Utility-Scale Solar Power Facility**

PLSS Sections

Requested Parcels

ProjectGroup

- BOULEVARD ASSOCIATES
- WEST GARDNER SOLAR
- WEST GARDNER SOLAR & BOULEVARD ASSOCIATES

**Soil**

Name

- Kennebec silt loam, occasionally flooded
- Kimo silty clay loam, occasionally flooded
- Kimo silty clay loam, rarely flooded
- Kiro silty clay, depressional, occasionally flooded
- Ladoga silt loam, 3 to 8 percent slopes
- Ladoga silt loam, 8 to 15 percent slopes
- Eudora-Bismarckgrove fine sandy loams, overwash, occasionally flooded
- Eudora-Bismarckgrove silt loams, occasionally flooded
- Eudora-Bismarckgrove silt loams, rarely flooded
- Fluvents, frequently flooded
- Grundy silt loam, 1 to 3 percent slopes
- Gymer silt loam, 3 to 7 percent slopes
- Hepler silt loam, 0 to 2 percent slopes, occasionally flooded
- Kennebec silt loam, frequently flooded
- Pawnee clay loam, 4 to 8 percent slopes, eroded
- Reading silt loam, rarely flooded
- Sharpsburg silt loam, 4 to 8 percent slopes
- Leanna silt loam, 0 to 2 percent slopes, occasionally flooded
- Lebo channery silty clay loam, 15 to 30 percent slopes
- Martin silty clay loam, 3 to 7 percent slopes
- Martin-Vinland silty clay loams, 5 to 10 percent slopes
- Mason silt loam, 0 to 1 percent slopes, rarely flooded
- Morrill loam, 3 to 7 percent slopes
- Orthents, Hilly
- Orthents, shallow
- Oska silty clay loam, 3 to 6 percent slopes
- Oska-Martin silty clay loams, 4 to 8 percent slopes
- Sharpsburg-Urban land complex, 4 to 8 percent slopes
- Sibleyville loam, 3 to 7 percent slopes
- Sibleyville-Vinland loams, 3 to 7 percent slopes
- Sogn-Vinland complex, 3 to 25 percent slopes
- Stonehouse-Eudora fine sandy loams, overwash, occasionally flooded
- Wabash silty clay loam, occasionally flooded
- Wagstaff silty clay loam, 1 to 3 percent slopes
- Wagstaff silty clay loam, 3 to 8 percent slopes
- Arisburg silt loam, 1 to 3 percent slopes
- Belvue silt loam, escarpment, 2 to 12 percent slopes
- Bucyrus silty clay loam, 1 to 3 percent slopes
- Bucyrus silty clay loam, 3 to 8 percent slopes
- Chase silt loam, occasionally flooded
- Chillicothe silt loam, 2 to 5 percent slopes
- Clareson-Rock outcrop complex, 3 to 15 percent slopes
- Eudora silt loam, occasionally flooded
- Eudora silt loam, rarely flooded
- Wagstaff-Summit complex, 3 to 8 percent slopes
- Woodson silt loam, 1 to 3 percent slopes
- Wynona silt loam, occasionally flooded