Geospatial Data Considered for the Solar Regional Mitigation Strategy for the Afton Solar Energy Zone

February 15, 2017

Description:
Geospatial data considered in the Solar Regional Mitigation Strategy (SRMS) for the Afton Solar Energy Zone (SEZ) are provided for public access and review. These data are provided for the purpose of informing the BLM and the public on resource status & trends and evaluation of potential regional mitigation locations. The geospatial data inventory is also attached.

About the Data Delivery:

There are over 20 geospatial datasets included in this delivery. Data and maps are organized in the following folders and files:

1. GIS Data
    a. All data, layers, and maps are stored in the folder 'Afton_SRMS_GIS'
    d. Refer to data inventory below for list and description of data

2. Layer Files
    a. Layer files are saved for ArcGIS v 10.3 in the folder 'Layer_Files_103'
    b. Layer files are useful in maintaining symbology and other data properties useful for displaying the data in a map.
3. Maps
    a. Master data map in ArcGIS 10.3 saved as Afton_SRMS_Data_103.mxd
    b. Master data map in ArcGIS 10.0 saved as Afton_SRMS_Data_100.mxd

4. Summary of landscape intactness modeling approach
    a. See summary of landscape intactness modeling approach at
        'Landscape Intactness Model Approach Summary (12-6-16).pdf'

Public Spatial Data Inventory for the Solar Regional Mitigation Strategy for the Afton Solar Energy Zone (February 2017)

GroupID	Group	Description	Data Type (vector / raster)	Source	Metadata? (Y/N)	File Name	Path
1	Base Data	Populated places (cities)	Vector points	NTAD (2013)	Y	census_site	Afton_SRMS_Data.gdb\demographics_neighborhood\census_site
1	Base Data	County area	Vector polygons	NTAD (2013)	Y	county_area	Afton_SRMS_Data.gdb\boundary_jurisdiction\county_area
1	Base Data	BLM District Office boundaries	Vector polygons	BLM	Y	district_area_blm	Afton_SRMS_Data.gdb\boundary_jurisdiction\district_area_blm
1	Base Data	State area	Vector polygons	NTAD (2013)	Y	state_area	Afton_SRMS_Data.gdb\boundary_jurisdiction\state_area
1	Base Data	SRMS Study Region (HUC 4)	Vector polygons	Watershed Boundary Dataset (WBD)	Y	Study_Area_HUC4	Afton_SRMS_Data.gdb\Study_Area_HUC4
1	Base Data	Roadways (major and local)	Vector lines	FHWA	Y	road_centerline	Afton_SRMS_Data.gdb\transportation_vehicle\road_centerline
	Base Data	Census roadways	Vector lines	U.S. Census Bureau	Y	NM_SRMS_Census_Roads	Afton_SRMS_Data.gdb\transportation_vehicle\NM_SRMS_Census_Roads
2	Land Status	Afton Solar Energy Zone (SEZ)	Vector polygons	BLM	Y	Afton_SEZ	Afton_SRMS_Data.gdb\land_status_land_management\Afton_SEZ
2	Land Status	Area of Critical Environmental Concern (ACEC)	Vector polygons	BLM	Y	acec	Afton_SRMS_Data.gdb\land_status_land_management\acec
2	Land Status	Section 368 Energy Corridor	Vector polygons	BLM & Forest Service	Y	sec368_energy_corridor	Afton_SRMS_Data.gdb\land_status_land_management\sec368_energy_corridor
2	Land Status	National Monument	Vector polygons	ANL (for BLM)		national_monument	Afton_SRMS_Data.gdb\land_status_land_management\national_monument
2	Land Status	Wilderness Study Area	Vector polygons	BLM	Y	wilderness_study_area	Afton_SRMS_Data.gdb\land_status_land_management\wilderness_study_area
2	Land Status	Wilderness Area	Vector polygons	BLM	Y	wilderness_area	Afton_SRMS_Data.gdb\land_status_land_management\wilderness_area
3	Ecology	Designated critical habitat	Vector polygons	USFWS	Y	NM_SRMS_CriticalHabitat_Poly	Afton_SRMS_Data.gdb\ecology\NM_SRMS_CriticalHabitat_Poly
3	Ecology	Ecological sites	Vector polygons	NRCS	Y	NM_SRMS_EcoSite_Poly	Afton_SRMS_Data.gdb\ecology\NM_SRMS_EcoSite_Poly
4	Visual Resources	VRI Classification	Vector polygons	BLM	Y	vri_class	Afton_SRMS_Data.gdb\visual_resources\vri_class
4	Visual Resources	VRM Classification	Vector polygons	BLM	Y	vrm_class	Afton_SRMS_Data.gdb\visual_resources\vrm_class
5	Landcover	Waterbodies (NHD)	Vector polygons	NHD	Y	NHDWaterbody_HUC4	Afton_SRMS_Data.gdb\hydrology\NHDWaterbody_HUC4
5	Landcover	Landcover (LANDFIRE EVT)	Raster	LANDFIRE	Y	LANDFIRE_EVT_HUC4	Afton_SRMS_Data.gdb\LANDFIRE_EVT_HUC4
5	Landcover	Rio Grande line (NHD)	Vector lines	NHD	Y	NHD_RioGrande_Line	Afton_SRMS_Data.gdb\hydrology\NHD_RioGrande_Line
5	Landcover	NHD Area	Vector polygons	NHD	Y	NHDArea_HUC4	Afton_SRMS_Data.gdb\hydrology\NHDArea_HUC4
6	Soils	Soil Associations (SSURGO)	Vector polygons	NRCS	Y	NM_SRMS_SSURGO_MapUnit_Poly	Afton_SRMS_Data.gdb\NM_SRMS_SSURGO_MapUnit_Poly
7	Surface Ownership	Surface Ownership	Vector polygons	BLM	Y	Surface_Ownership	Afton_SRMS_Data.gdb\Surface_Ownership
8	Landscape Intactness	Current Landscape Intactness	Vector polygons	ANL (for BLM)*	Y	NM_LIM_C_V5_1km_Poly_HUC4	Afton_SRMS_Data.gdb\NM_LIM_C_V5_1km_Poly_HUC4
8	Landscape Intactness	Near-term Future Landscape Intactness	Vector polygons	ANL (for BLM)*	Y	NM_LIM_N_V5_1km_Poly_HUC4	Afton_SRMS_Data.gdb\NM_LIM_N_V5_1km_Poly_HUC4
9	ESRI Imagery	World Imagery	Raster	ESRI Portal	Y	ESRI_World_Imagery.pitem	Afton_SRMS_GIS\ESRI_World_Imagery.pitem
9	ESRI Imagery	World Shaded Relief	Raster	ESRI Portal	Y	ESRI_World_Shaded_Relief.pitem	Afton_SRMS_GIS\ESRI_World_Shaded_Relief.pitem

* Please see the draft landscape intactness model summary report.