

Project Schedule

Informational public meeting

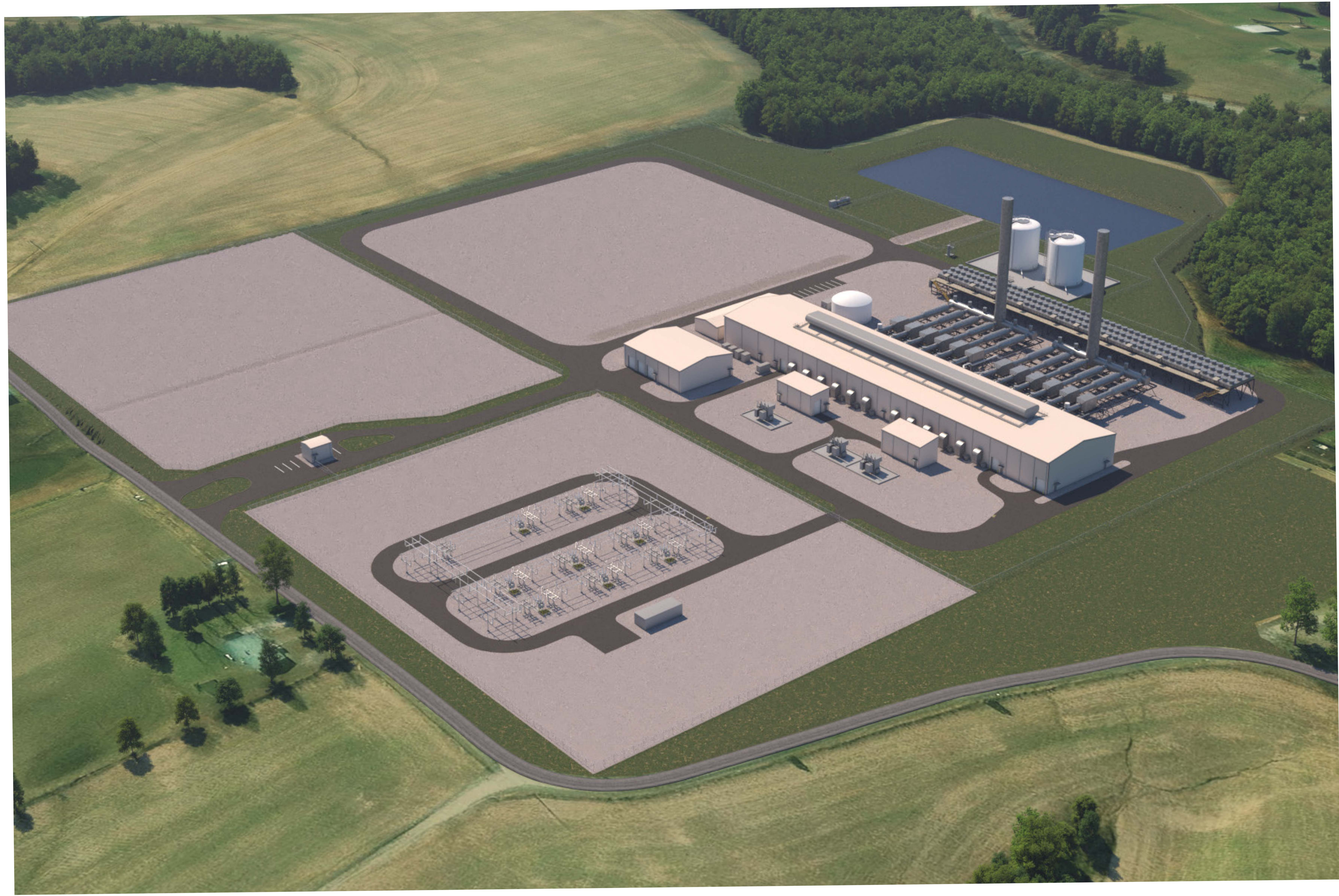
December 11, 2024

Begin construction

October 2026

Facility commissioned

December 2028



EQUIPMENT
LAYDOWN AREA
25.53 ACRES

EQUIPMENT
LAYDOWN AREA
2.14 ACRES

SWITCHYARD
5.09 ACRES

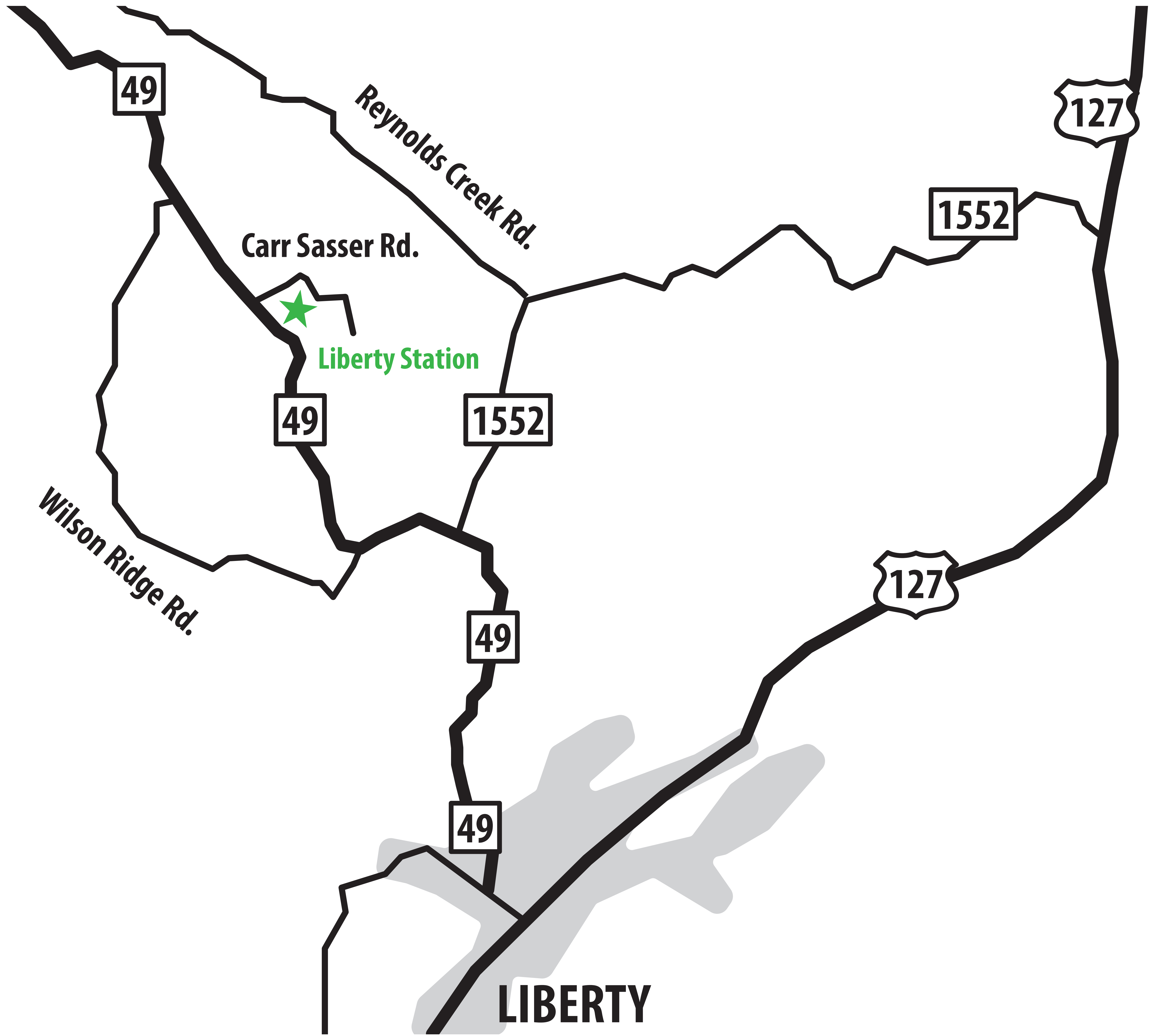
WARTSILA ENGINE
LAYDOWN AREA
1.13 ACRES

12 TRAILERS/PARKING
LAYDOWN AREA
1.13 ACRES
44 PARKING SPACES

EQUIPMENT
LAYDOWN AREA
5.35 ACRES

CONSTRUCTION PARKING
LAYDOWN AREA
3.43 ACRES
408 PARKING SPACES

Preliminary
not for construction



49

Reynolds Creek Rd.

127

1552

Carr Sasser Rd.



Liberty Station

49

1552

Wilson Ridge Rd.

49

127

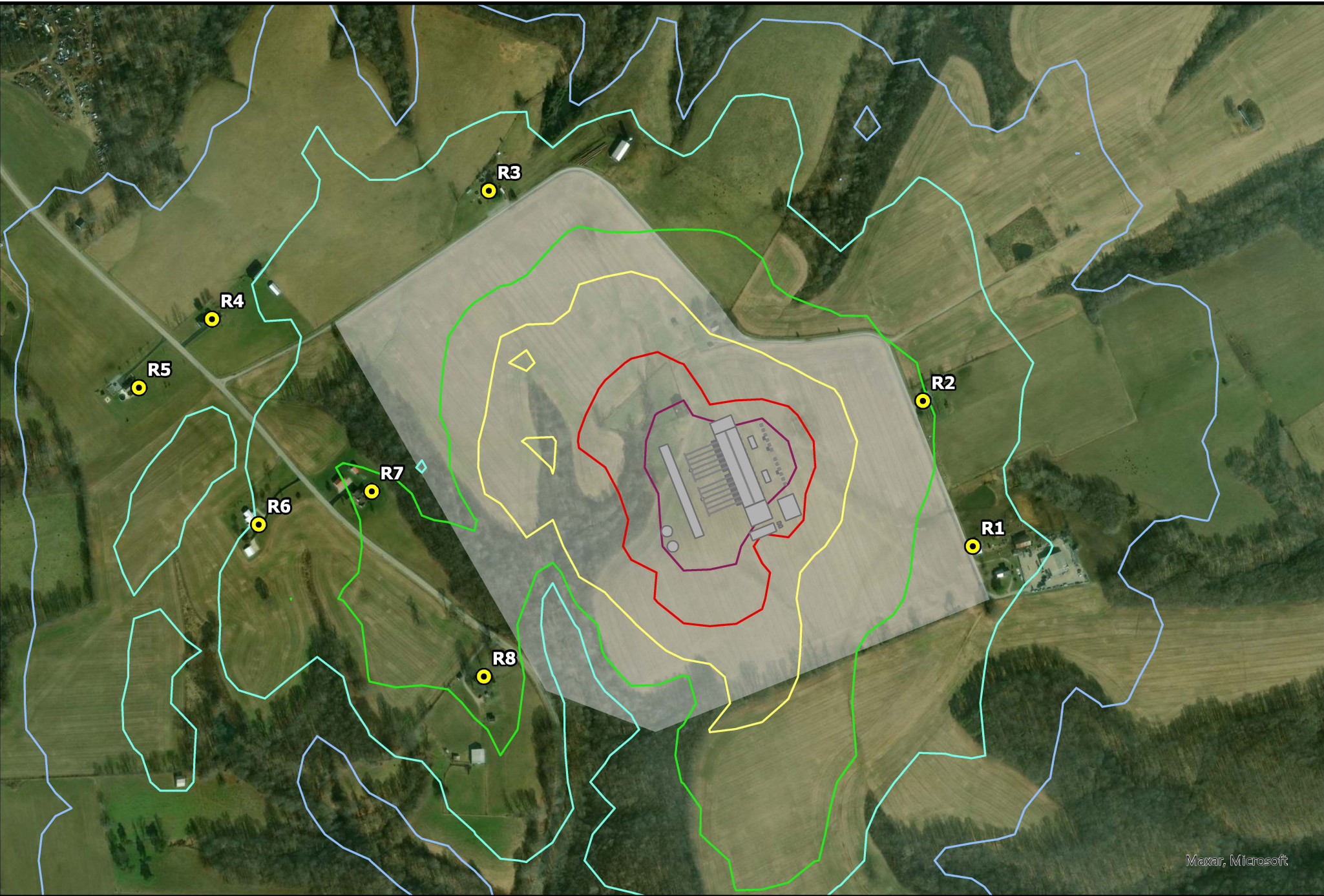
49

LIBERTY

Estimated Traffic Volumes

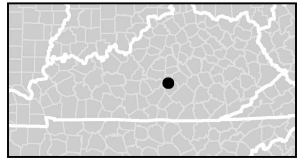
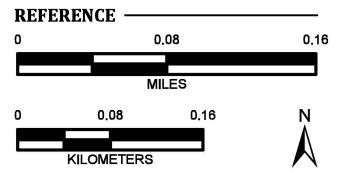
	Scenario	Direction of Volume	Traffic Volume (veh)	
Construction	AM Scenario 1	Enter from KY-49 NB	270	
		Enter from KY-49 SB	180	
	AM Scenario 2	Enter from KY-49 NB	180	
		Enter from KY-49 SB	270	
	PM Scenario 1	Exit to KY-49 NB	180	
		Exit to KY-49 SB	270	
	PM Scenario 2	Exit to KY-49 NB	270	
		Exit to KY-49 SB	180	
	Post-Construction	AM Scenario 1	Enter from KY-49 NB	12
			Enter from KY-49 SB	8
AM Scenario 2		Enter from KY-49 NB	8	
		Enter from KY-49 SB	12	
PM Scenario 1		Exit to KY-49 NB	8	
		Exit to KY-49 SB	12	
PM Scenario 2		Exit to KY-49 NB	12	
		Exit to KY-49 SB	8	

Path: Z:\Clients\ENR\EKPC\157785_RECIPE\TUDYZ_Studies\Permitting\Wodding\Noise\GIS\Library_GIS.aprx • Coordinate System: • Units:



Maxar, Microsoft

LEGEND		
40 dBA	55 dBA	Property Boundary
45 dBA	60 dBA	Structures
50 dBA	65 dBA	Receivers



**Figure A-2 - RICE 100% Load (12 Units)
Project Design Sound Level Contours (dBA)**

LOCATION: Casey County, KY
CLIENT: EKPC
PROJ. NO.: 157785
CREATED: 08/28/2024

**BURNS
& MCDONNELL**
www.burnsmcd.com

Typical Sound Pressure Levels Associated with Common Sound Sources

Sound Pressure Level (dBA)	Subjective Evaluation	Environment
140	Deafening	Jet aircraft at 75 feet
130	Threshold of pain	Jet aircraft during takeoff at a distance of 300 feet
120	Threshold of feeling	Elevated train
110	Very loud	Jet flyover at 1,000 feet
100		Motorcycle at 25 feet
90	Moderately loud	Propeller plane flyover at 1,000 feet
80		Diesel truck (40 mph) at 50 feet
70	Loud	B-757 cabin during flight
60	Moderate	Air-conditioner condenser at 15 feet
50	Quiet	Private Office
40		Farm field with light breeze, birdcalls
30	Very quiet	Quiet residential neighborhood
20		Rustling leaves
10	Just audible	--
0	Threshold of hearing	--

Sources:

(1) Adapted from *Architectural Acoustics*, M. David Egan, 1988

(2) *Architectural Graphic Standards*, Ramsey and Sleeper, 1994