

Appendix B2

Traffic Impact Study Waiver

1-Q24-063-TIS

Canyon Peak Power Arapahoe County 1041/USR Application Q24-063

December 31, 2024

Arapahoe County Department of
Public Works and Development
6924 S. Lima Street
Centennial, CO 80112

RE: Canyon Peak Power Traffic Impact Study Waiver Memorandum

To Whom It May Concern:

Canyon Peak Power, LLC (Canyon Peak) is proposing construction of a supplemental, natural gas fired power plant in Arapahoe County off County Road 129 south of the Town of Bennett. The site will be co-located with the existing Brick Center substation facility. A vicinity and location map of the site location are provided in **Figure 1** and **Figure 2**, respectively.

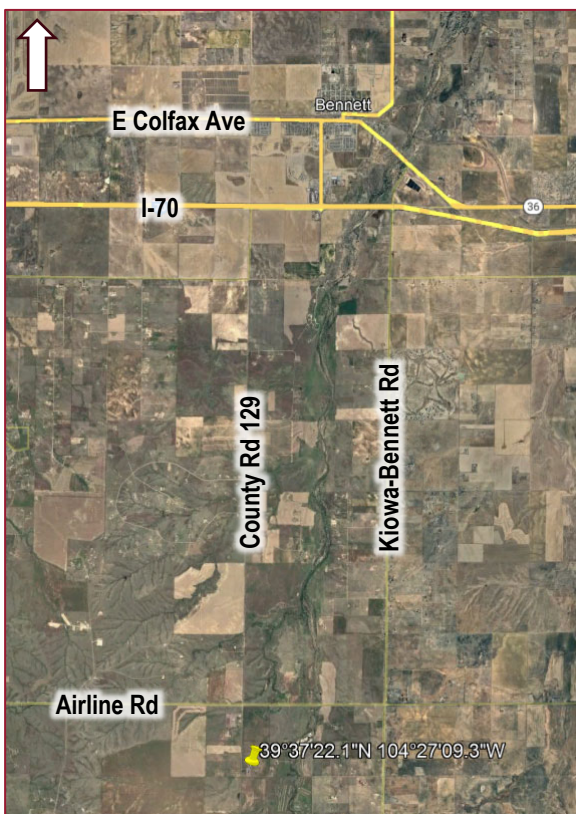


Figure 1: Vicinity Map

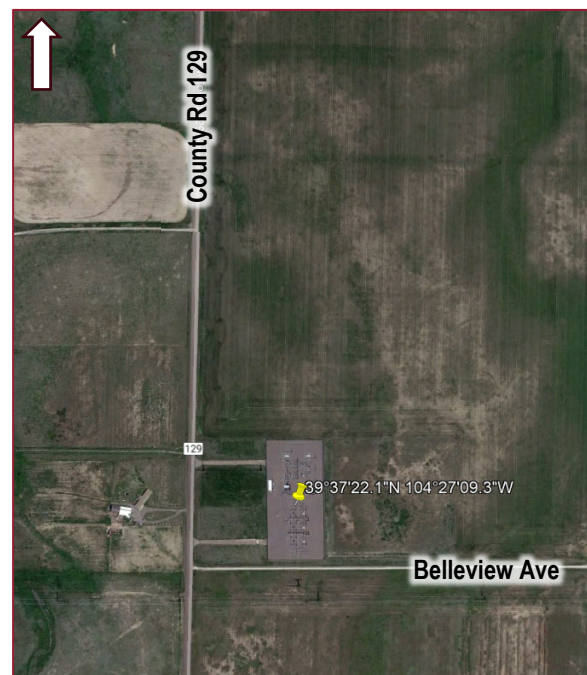


Figure 2: Location Map

The intent of this memorandum is to demonstrate the impact of the proposed project on the existing transportation network meets the criteria for a traffic impact study (TIS) waiver as prescribed by the Arapahoe County Guidelines for Traffic Impact Studies. For a TIS to be waived, the following conditions must be met:

1. The proposed trip generation must be less than 250 trips per day or 25 trips in the peak hour;



2. Total traffic (existing plus proposed site generated traffic) must not exceed 150 vehicles per day on any unpaved road; and
3. Access must not be requested to a State Highway or County arterial roadway or a roadway with existing traffic issues or local concerns.

The area surrounding the site location is zoned as agricultural. County Road 129 is a rural, two-lane, undivided local roadway with no curb, gutter, roadway lighting, or pedestrian connectivity. Adjacent to the site, County Road 129 is unpaved with a posted speed limit of 50 miles per hour. The transition from paved to unpaved roadway occurs approximately 3000 feet north of the proposed site. Given the characteristics of County Road 129, the project meets the County's Waiver Condition 3.

Although the proposed site does not align with any of the ITE Trip Generation categories, it is anticipated that the plant will require approximately two operators per shift, with two shifts per day. It is also expected that normal maintenance will occur around once a year that may have additional equipment and operators access the site. Based on this information, the site is anticipated to generate eight (8) daily trips. Peak hour trips are assumed to be four (4) trips for the AM and PM peaks. Based on these estimates, the project meets the County's Waiver Condition 1.

Existing 24-hour daily traffic volumes were collected along County Road 129 on Tuesday, October 15, 2024. Data was collected approximately a half mile north of the side where the roadway is still paved. Between the collection site and project location, there is only one residential driveway. A summary of the data is provided in **Table 1** below.

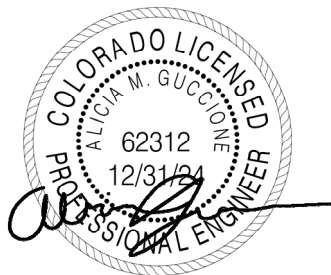
Table 1: Summary of Existing Traffic Data

	Northbound	Southbound	Both Directions
AM Peak	15	5	20
PM Peak	11	11	22
Daily Total	115	101	216

Although the existing traffic volumes exceed the threshold for unpaved roads in Waiver Condition 2, the additional eight (8) vehicles per day generated by the proposed site is not anticipated to impact the existing conditions or operations of County Road 129. Given that the increase in traffic due to the proposed project is negligible, a TIS waiver is being requested.

Sincerely,
STANLEY CONSULTANTS, INC.

Alicia Guccione, PE
Project Traffic Engineer



Attachments: Traffic Count Data

Daily Vehicle Volume Report

Study Date: Tuesday, 10/15/2024
Unit ID: RDC 34
Location: County Rd 129 north of Belleview Ave
Comments: Bennett, CO

	Northbound Volume	Southbound Volume	Total Volume
00:00 - 00:59	0	0	0
01:00 - 01:59	0	0	0
02:00 - 02:59	0	0	0
03:00 - 03:59	1	0	1
04:00 - 04:59	1	0	1
05:00 - 05:59	2	3	5
06:00 - 06:59	11	2	13
07:00 - 07:59	15	5	20
08:00 - 08:59	8	7	15
09:00 - 09:59	8	5	13
10:00 - 10:59	4	8	12
11:00 - 11:59	6	4	10
12:00 - 12:59	7	5	12
13:00 - 13:59	7	4	11
14:00 - 14:59	5	3	8
15:00 - 15:59	8	6	14
16:00 - 16:59	11	11	22
17:00 - 17:59	8	12	20
18:00 - 18:59	6	12	18
19:00 - 19:59	5	3	8
20:00 - 20:59	1	4	5
21:00 - 21:59	1	4	5
22:00 - 22:59	0	2	2
23:00 - 23:59	0	1	1
Totals	115	101	216
AM Peak Time	06:14 - 07:13	08:02 - 09:01	06:53 - 07:52
AM Peak Volume	15	10	20
PM Peak Time	16:29 - 17:28	17:33 - 18:32	17:33 - 18:32
PM Peak Volume	13	20	28