Example Template - Pre-Model Year Report

Manufacturer: __________

Select Model Year: 2014

Report: Conventional Fleet Pre-Model Year Report

Select EPA Phase-in: 1037.150(b) Table 1

Select NHTSA Phase-in: 535.5(a)(2) Alternative 2

November 16, 2011

Instructions

Subconfiguration Information							CO2 and FC Target Standard Information												Production Volumes		
A1. Truck Line Name	A2. Sub-config. Group Name	B. 2 or 4 Wheel Drive	C. Engine	D. Trans Class	E. Final Drive Ratio	F. Road Load HP	G. GVWR	H. Curb Weight	I. GCWR	J. ETW	K. Work Factor	L. Spark Ignition or Compression Ignition	M. A Target Coef	N. B Target Coef	O. CO2 Target Standard	P. C Target Coef	Q. D Target Coef	R. Conversion Factor	S. FC Target Standard	T. Projected production volume under 1037.104(a)	U. Projected production volume under 1037.150(l)	V. Projected Loose Engine production volume under 1037.150(m)
							lbs.	lbs.	lbs.	lbs.					gpm			gCO2/gal	gal/100 miles			
																				107,000	1,000	500
																						Manufactu
F250	A	2wd	8.0L	A6			9000	6000	18000		4500	Spark Ignition	0.0482	371	588	0.000542	4.17	8,887	6.61	20,000	1,000	500
F250	B	2wd	8.0L	M6			9000	6000	18000		4500	Compression Ignition	0.0478	368	583	0.000470	3.61	10,180	5.73	12,000	0	0
F350	C	2wd	8.0L	M6			11000	6000	18000		5500	Spark Ignition	0.0482	371	636	0.000542	4.17	8,887	7.15	8,000	0	0
F250	D	2wd	8.0L	M6			9000	6000	18000		4500	Spark Ignition	0.0482	371	588	0.000542	4.17	8,887	6.61	2,000	0	0
F250	E	2wd	8.0L	A6			9000	6000	18000		4500	Compression Ignition	0.0478	368	583	0.000470	3.61	10,180	5.73	10,000	0	0
F250	F	2wd	8.0L	A6			9000	6000	16000		4000	Spark Ignition	0.0482	371	564	0.000542	4.17	8,887	6.34	10,000	0	0
F250	G	2wd	8.0L	M6			9500	6000	15000		4000	Spark Ignition	0.0482	371	564	0.000542	4.17	8,887	6.34	20,000	0	0
F250	H	4wd	8.0L	M6			9000	6000	18000		4875	Spark Ignition	0.0482	371	606	0.000542	4.17	8,887	6.81	10,000	0	0
F250	I	2wd	8.0L	M6			9000	6000	18000		4500	Compression Ignition	0.0478	368	583	0.000470	3.61	10,180	5.73	5,000	0	0
F250	J	4wd	8.0L	M6			9000	6000	18000		4875	Spark Ignition	0.0482	371	606	0.000542	4.17	8,887	6.81	10,000	0	0

EPA Form Number

xxxx-xxx

Projected CO2 and FC Compliance Level

OMB Control Number 2060-NEW
Expires xx-xx-20xx

AA. Projected total production volume	BB. Projected fleet average CO2 (gpm)	CC. Projected fleet target CO2 (gpm)	DD. Projected fleet ave CO2 credit/debit (megagrams)
108,500	587.0	586.9	(1,302)

EE. Projected fleet average FC (gal/100 mile)	FF. Projected fleet target FC (gal/100 mile)	GG. Projected fleet ave FC credit/debit (gallons)
6.40	6.39	(978,000)

HH. Total Projected Fleet Average CO2 Credit/Debit (Megagrams)
(9,054)

II. Total Projected Fleet Average FC Credit/Debit (gallons)
(978,000)

GHG Compliance Level (see instructions)							FC Compliance Level			GHG Credits					FC Credits		
W. CO2 emissions	X. CO2 Value based on ADC?	Y. If ADC derived, Subconfig. that is source of CO2base	Z. Projected Vol x CO2	AA. Projected Vol x Target CO2 Standard	AB. N2O FEL	AC. CH4 FEL	AD. Fuel Consumption	AE. Projected Vol x FC	AF. Projected Vol x Target FC Standard	AG. CO2 Credits required for N2O compliance	AH. CO2 Credits required for CH4 compliance	AI. Off Cycle CO2 credits		AK. Total CO2 credits	AL. Off Cycle FC credits		AN. Total FC credits
gpm					gpm	gpm	gal/100-mile			megagrams	megagrams	gpm	megagrams	megagrams	gal/100 mile	gallons	gallons
Totals of Manufacturer Entered Production Volume, Calculated Megagram Data, Etc:																	
			63,687,000	63,681,650				694,460	693,645	-7,152	-600		0	-7,752		0	0
rer Entered Data (in the blue and yellow fields only):																	
588	No		12,642,000	12,639,850	0.06	0.06	6.62	142,330	142,115	-7,152	-600		0	-7,752	0.00	0	0
583	No		6,996,000	6,997,200	0.05	0.05	5.73	68,760	68,760	0	0		0	0	0.00	0	0
636	No		5,088,000	5,088,800	0.05	0.05	7.16	57,280	57,200	0	0		0	0	0.00	0	0
588	No		1,176,000	1,175,800	0.05	0.05	6.62	13,240	13,220	0	0		0	0	0.00	0	0
583	No		5,830,000	5,831,000	0.05	0.05	5.73	57,300	57,300	0	0		0	0	0.00	0	0
564	No		5,640,000	5,638,000	0.05	0.05	6.35	63,500	63,400	0	0		0	0	0.00	0	0
564	No		11,280,000	11,276,000	0.05	0.05	6.35	127,000	126,800	0	0		0	0	0.00	0	0
606	No		6,060,000	6,059,750	0.05	0.05	6.82	68,200	68,100	0	0		0	0	0.00	0	0
583	No		2,915,000	2,915,500	0.05	0.05	5.73	28,650	28,650	0	0		0	0	0.00	0	0
606	No		6,060,000	6,059,750	0.05	0.05	6.82	68,200	68,100	0	0		0	0	0.00	0	0
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1037.150(b) Table 1

Spark Ign	2013	0.0482	371	Compressior	2013	0.0478	368
	2014	0.0482	371		2014	0.0478	368
	2015	0.0479	369		2015	0.0474	366
	2016	0.0469	362		2016	0.046	354
	2017	0.046	354		2017	0.0445	343
	2018	0.044	339		2018	0.0416	320
	2019 and later	0.044	339		2019 and later	0.0416	320

1037.150(b) Table 2

Spark Ign	2013	0.04820	371	Compressior	2013	0.0478	368
	2014	0.04820	371		2014	0.0478	368
	2015	0.0479	369		2015	0.0474	366
	2016	0.0456	352		2016	0.044	339
	2017	0.0456	352		2017	0.044	339
	2018	0.0456	352		2018	0.044	339
	2019 and later	0.0456	352		2019 and later	0.044	339

Annual Data - Spark Ignition				Annual Data - Compression Ignition			
Table 1	2014	0.0482	371	Table 1	2014	0.0478	368
Table 2	2014	0.0482	371	Table 2	2014	0.0478	368

Active Data - Spark Ignition				Active Data - Compression Ignition			
Table 1	2014	0.0482	371	Table 1	2014	0.0478	368

AO.
Comments

535.5(a)(2) Alternative 1

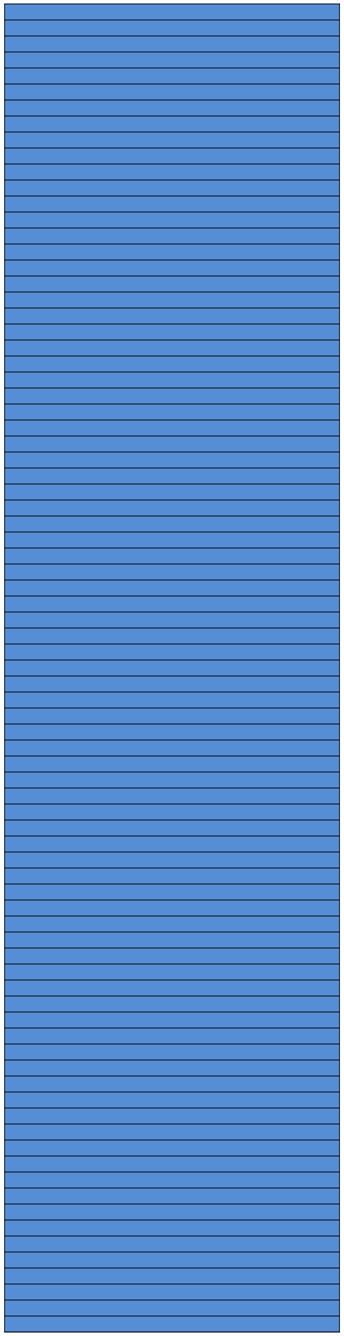
Spark Ign	2013	0.000542	4.17	Compressior	2013	0.000470	3.61
	2014	0.000542	4.17		2014	0.000470	3.61
	2015	0.000539	4.15		2015	0.000466	3.6
	2016	0.000513	3.96		2016	0.000432	3.33
	2017	0.000513	3.96		2017	0.000432	3.33
	2018	0.000513	3.96		2018	0.000432	3.33
	2019 and later	0.000495	3.81		2019 and later	0.000409	3.14

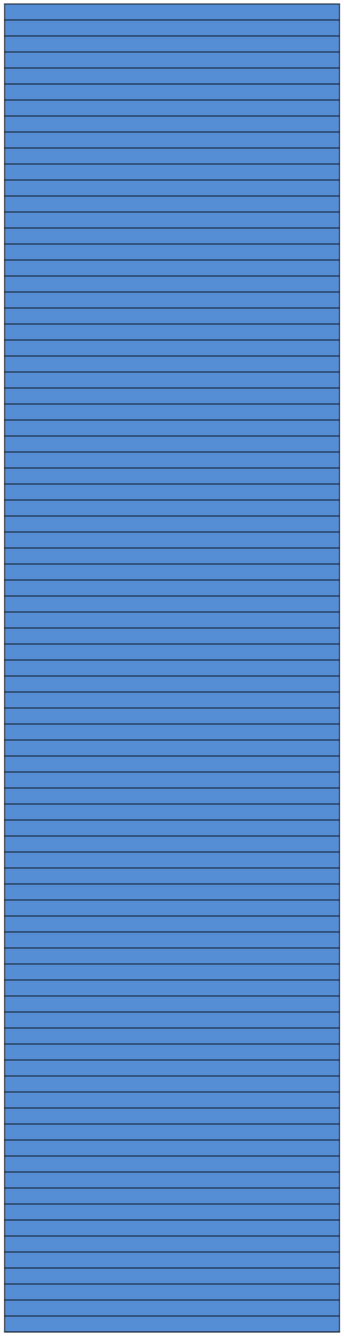
535.5(a)(2) Alternative 2

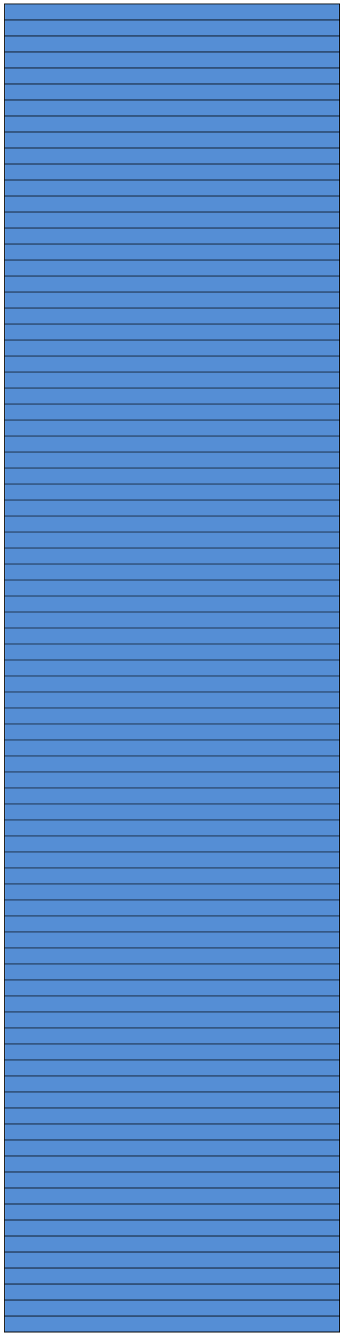
Spark Ign	2013	0.000542	4.17	Compressior	2013	0.000470	3.61
	2014	0.000542	4.17		2014	0.000470	3.61
	2015	0.000539	4.15		2015	0.000466	3.6
	2016	0.000528	4.07		2016	0.000452	3.48
	2017	0.000518	3.98		2017	0.000437	3.37
	2018	0.000495	3.81		2018	0.000409	3.14
	2019 and later	0.000495	3.81		2019 and later	0.000409	3.14

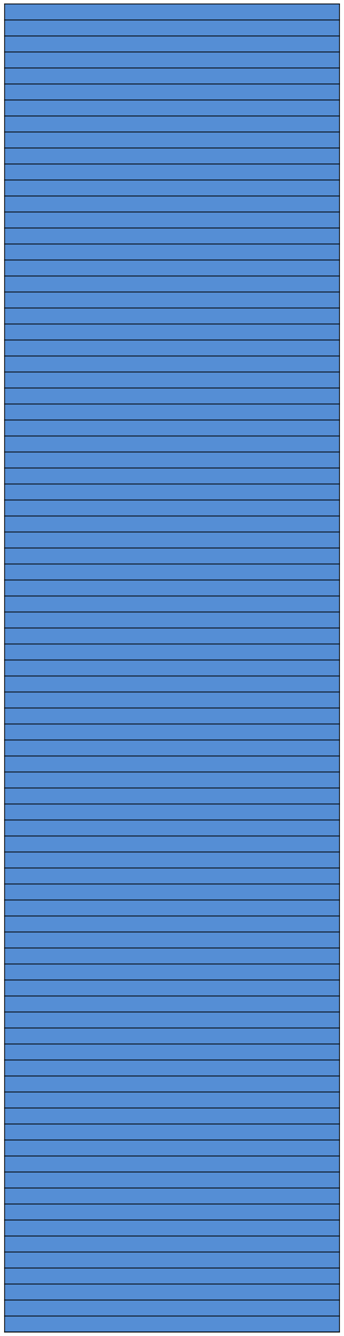
Annual Data - Spark Ignition				Annual Data - Compression Ignition			
Alternativ	2014	0.000542	4.17	Alternative 1	2014	0.00047	3.61
Alternativ	2014	0.000542	4.17	Alternative 2	2014	0.00047	3.61

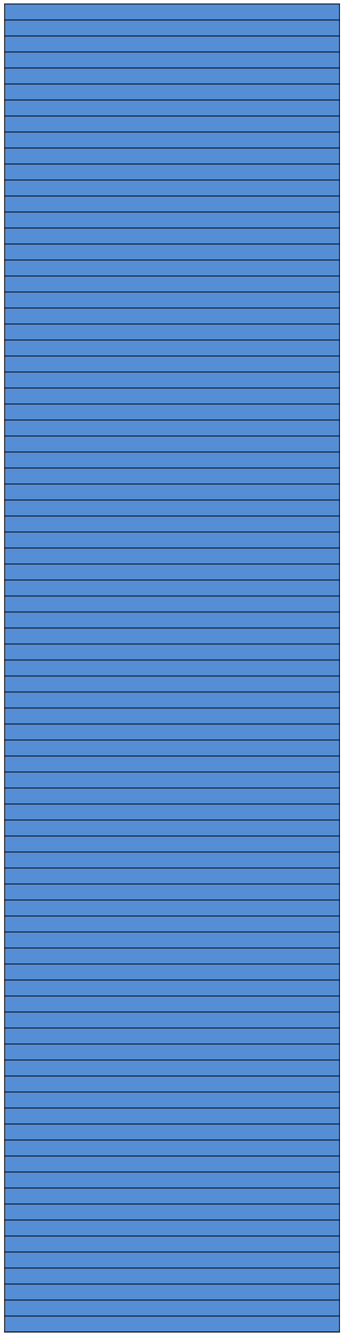
Active Data - Spark Ignition				Active Data - Compression Ignition			
Alternativ	2014	0.000542	4.17	Alternative 2	2014	0.00047	3.61

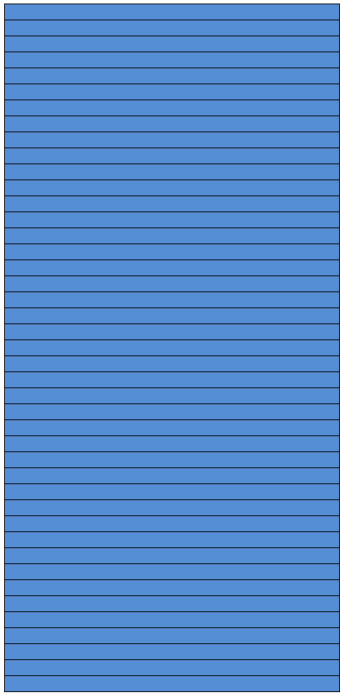












Select Model Year:	**2014**
Report:	**Adv. Technology Flee**
Select EPA Phase-in:	1037.150(b) Ta
Select NHTSA Phase-in:	535.5(a)(2) Altern

Subconfiguration Information							
A1. Truck Line Name	**A2. Sub-config. Group Name**	**B. 2 or 4 Wheel Drive**	**C. Engine**	**D. Trans Class**	**E. Final Drive Ratio**	**F. Road Load HP**
F250	h1	2wd	8.0L	A6		
F250	h2	2wd	8.0L	M6		

EPA Form Number
xxxx-xxx

t End of Model Year Report

able 1

native 2

Instructions

CO2 and FC T					
G. GVWR	H. Curb Weight	I. GCWR	J. ETW	K. Work Factor	L. Spark Ignition or Compression Ignition
lbs.	lbs.	lbs.	lbs.		
9000	6000	18000		4500	Spark Ignition
9000	6000	18000		4500	Compression Ignition
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Example Template - E

Target Standard Information

M. A Target Coef	N. B Target Coef	O. CO2 Target Standard gpm	P. C Target Coef	Q. D Target Coef	R. Conversion Factor gCO2/gal
0.0482	371	588	0.000542	4.17	8,887
0.0478	368	583	0.000470	3.61	10,180

End of Model Year Report Proje

Manufacturer: ____________________

November 16, 2011

	Production Volumes			
S. FC Target Standard	T. Projected production volume under 1037.104(a)	U. Projected production volume under 1037.150(l)	V. Projected Loose Engine production volume under 1037.150(m)	W. CO2 emissions
gal/100 miles				gpm
	32,000	**1,000**	**500**	
			Manufacturer Entered Data (i	
6.61	20,000	1,000	500	540
5.73	12,000	0	0	545

cted CO2 and FC Compliance Le

AA. Projected total production volume	BB. Projected fleet average CO2 (gpm)	CC. Projected fleet target CO2 (gpm)	DD. Projected fleet ave CO2 credit/debit (megagrams)
33,500	**543**	**586**	**263,358**

GHG Compliance Level (see instructions)

X. CO2 Value based on ADC?	Y. If ADC derived, Subconfig. that is source of CO2base	Z. Projected Vol x CO2	AA. Projected Vol x Target CO2 Standard	AB. N2O FEL gpm
		Totals of Manufacturer Entered Produ		
		18,173,950	**19,637,050**	
n the blue and yellow fields only):				
No		11,633,950	12,639,850	0.04
No		6,540,000	6,997,200	0.04

evel

EE. Projected fleet average FC (gal/100 mile)	FF. Projected fleet target FC (gal/100 mile)	GG. Projected fleet ave FC credit/debit (gallons)
5.83	**6.29**	**28,242,000**

	FC Compliance Level		
AC. CH4 FEL	**AD. Fuel Consumption**	**AE. Projected Vol x FC**	**AF. Projected Vol x Target FC Standard**
gpm	**gal/100-mile**		
ıction Volume, Calculated Megagram Data, Etc:			
		195,185	**210,875**
0.04	6.08	130,985	142,115
0.05	5.35	64,200	68,760

OMB Control Number 2060-NEW

Expires xx-xx-20xx

HH. Total Projected Fleet Average CO2 Credit/Debit (Megagrams)
263,358

GHG Credits					
AG. CO2 Credits required for N2O compliance	**AH. CO2 Credits required for CH4 compliance**	**AI. Off Cycle CO2 credits**		**AK. Total CO2 credits**	**O F**
megagrams	**megagrams**	**gpm**	**megagrams**	**megagrams**	**gal/100 mile**
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II. Total Projected Fleet Average FC Credit/Debit (gallons)
28,242,000

FC Credits	
AL. ›ff Cycle ›C credits	**AN. Total FC credits**
gallons	**gallons**
0	**0**
0	0
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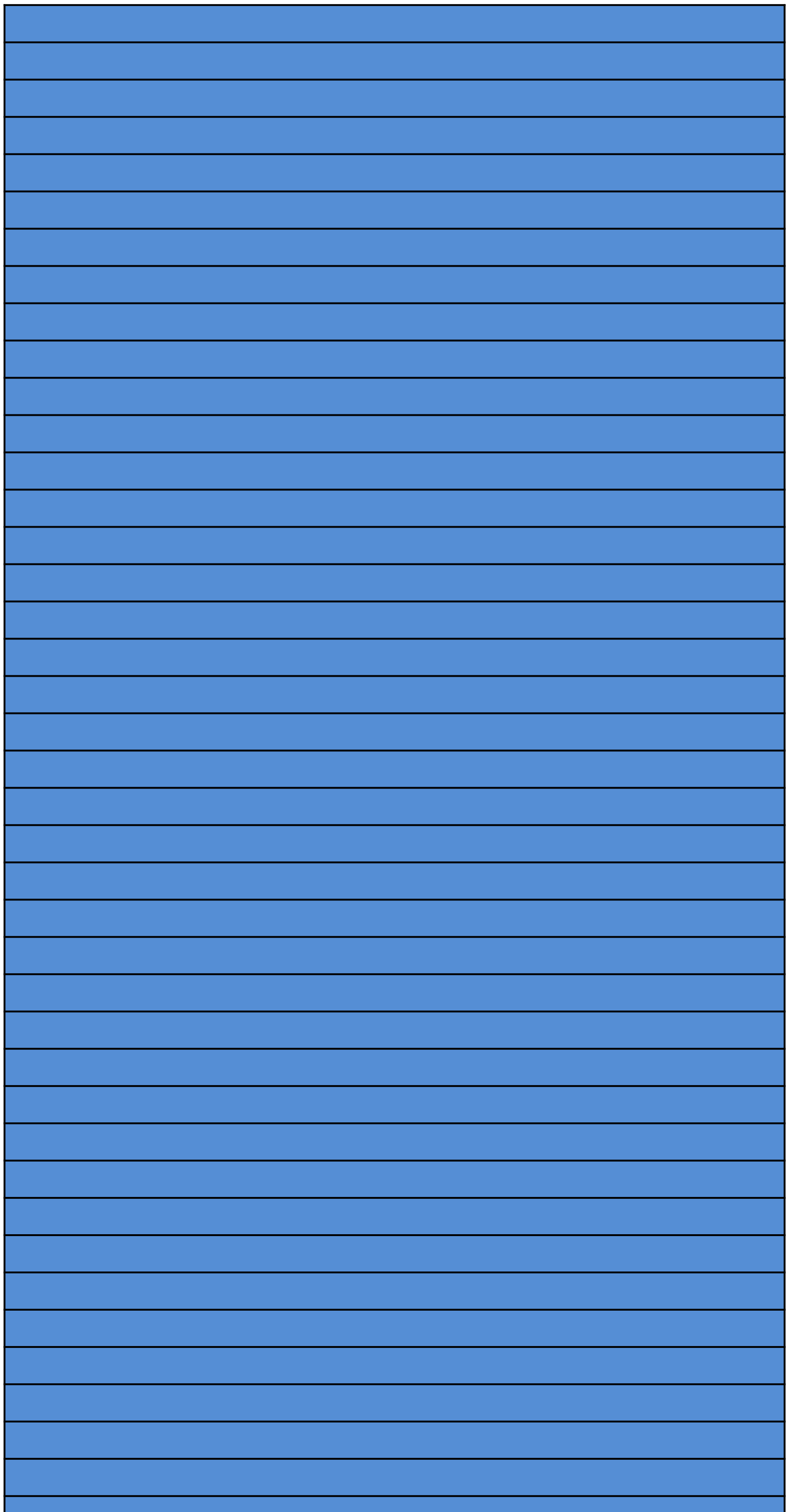

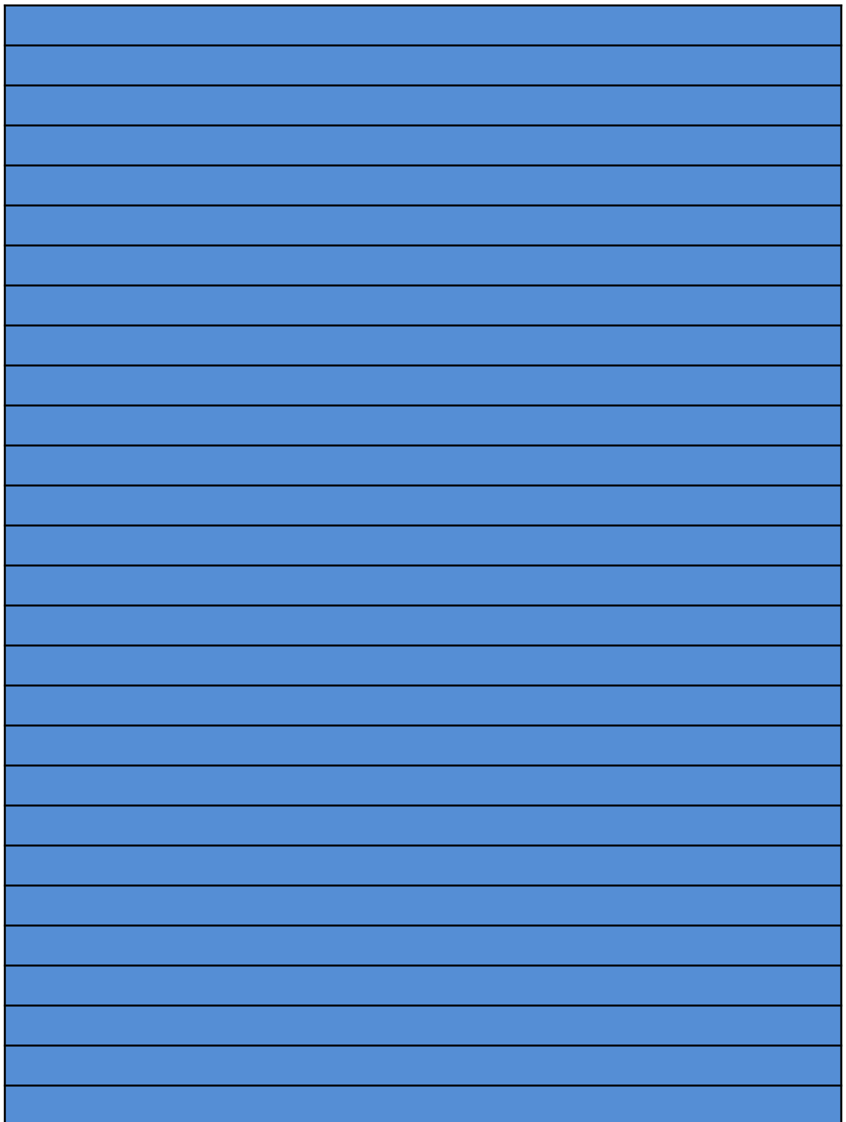

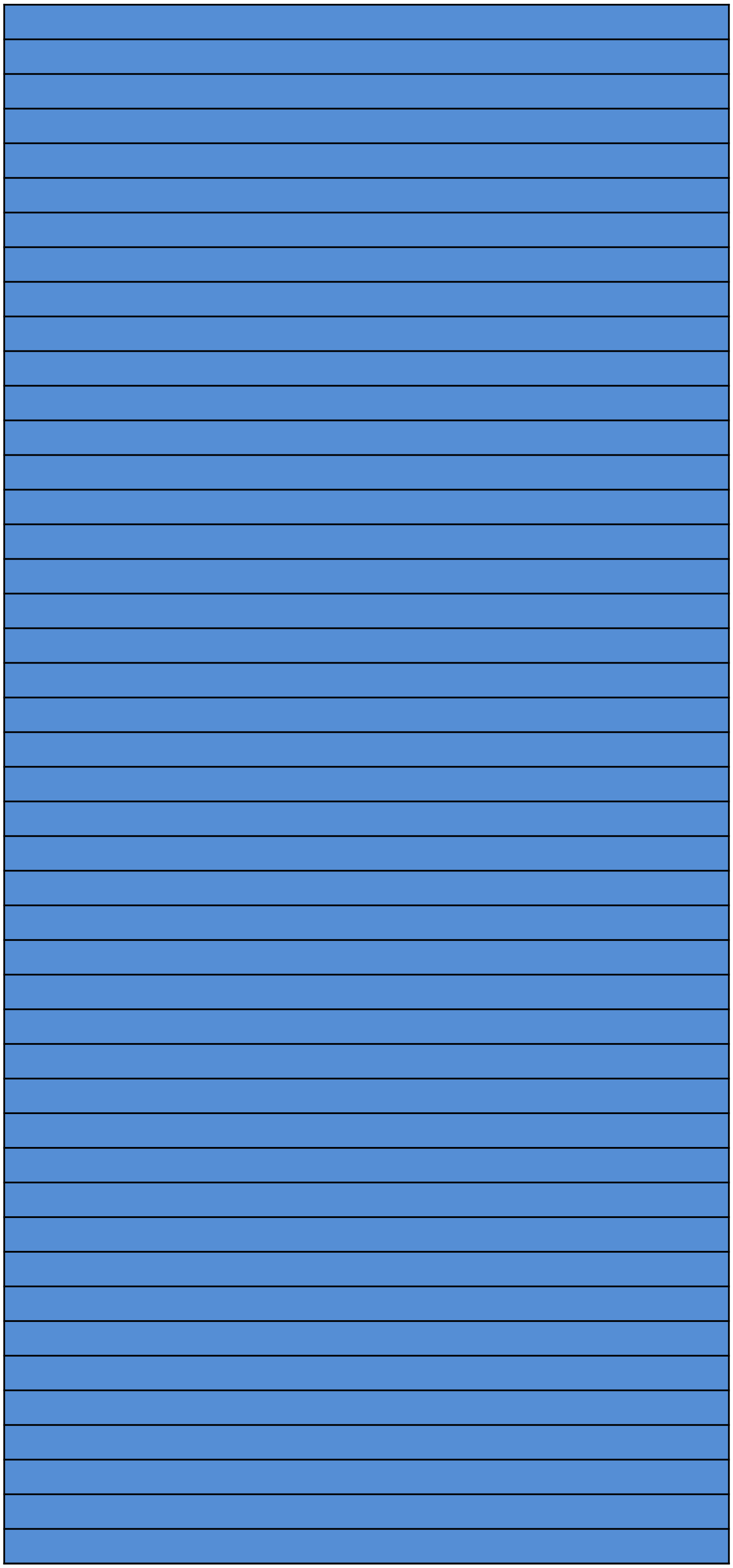

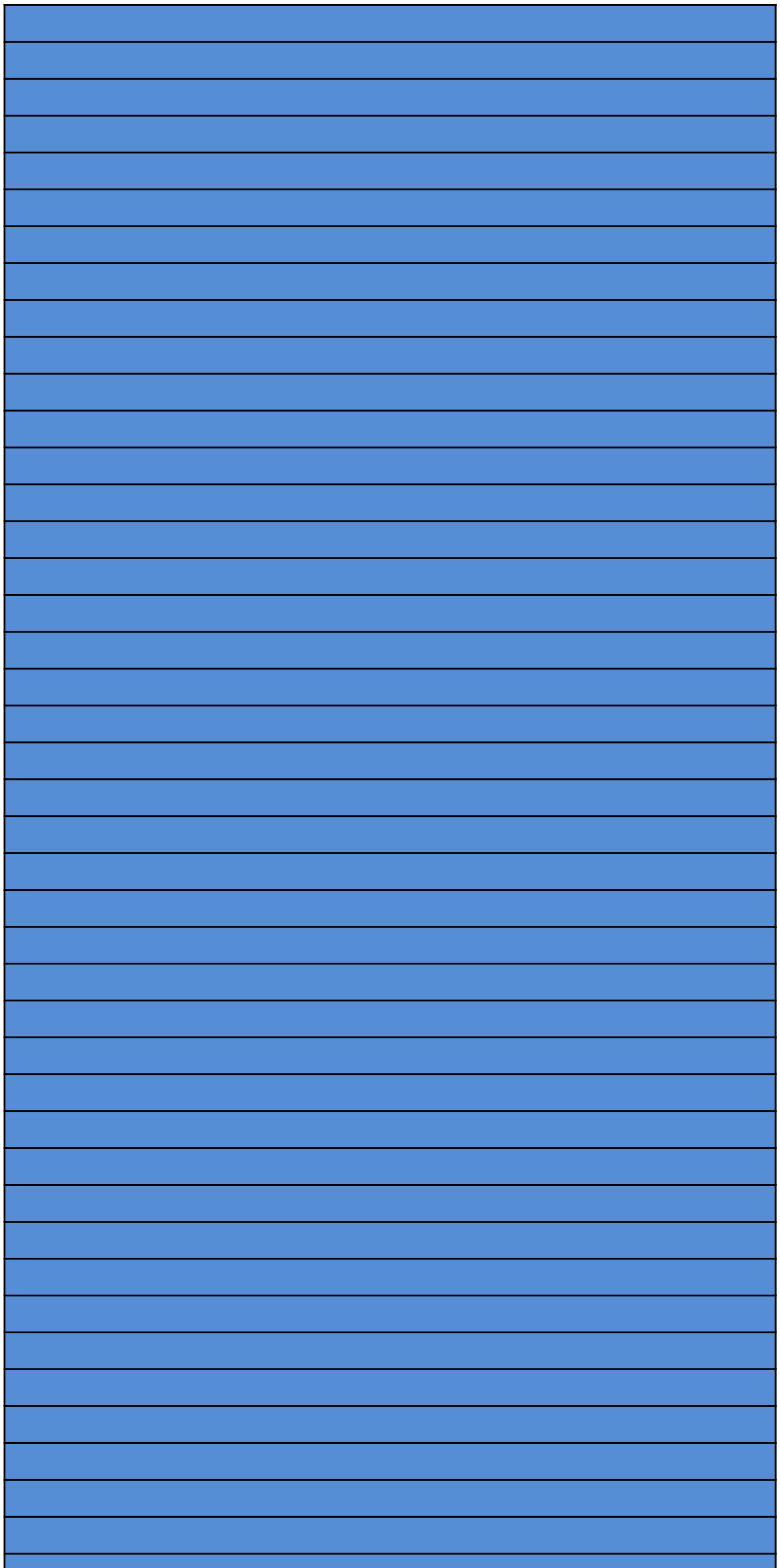

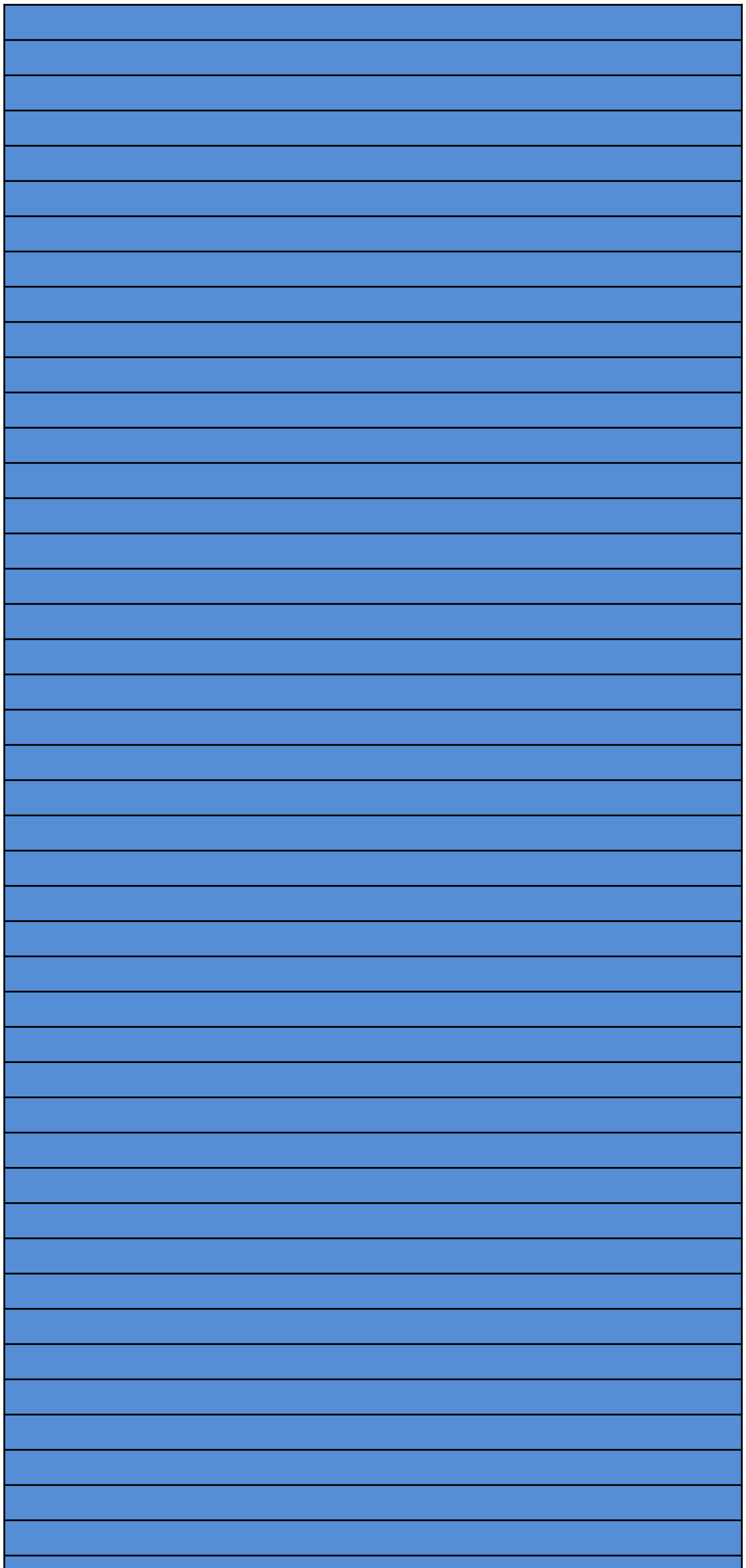

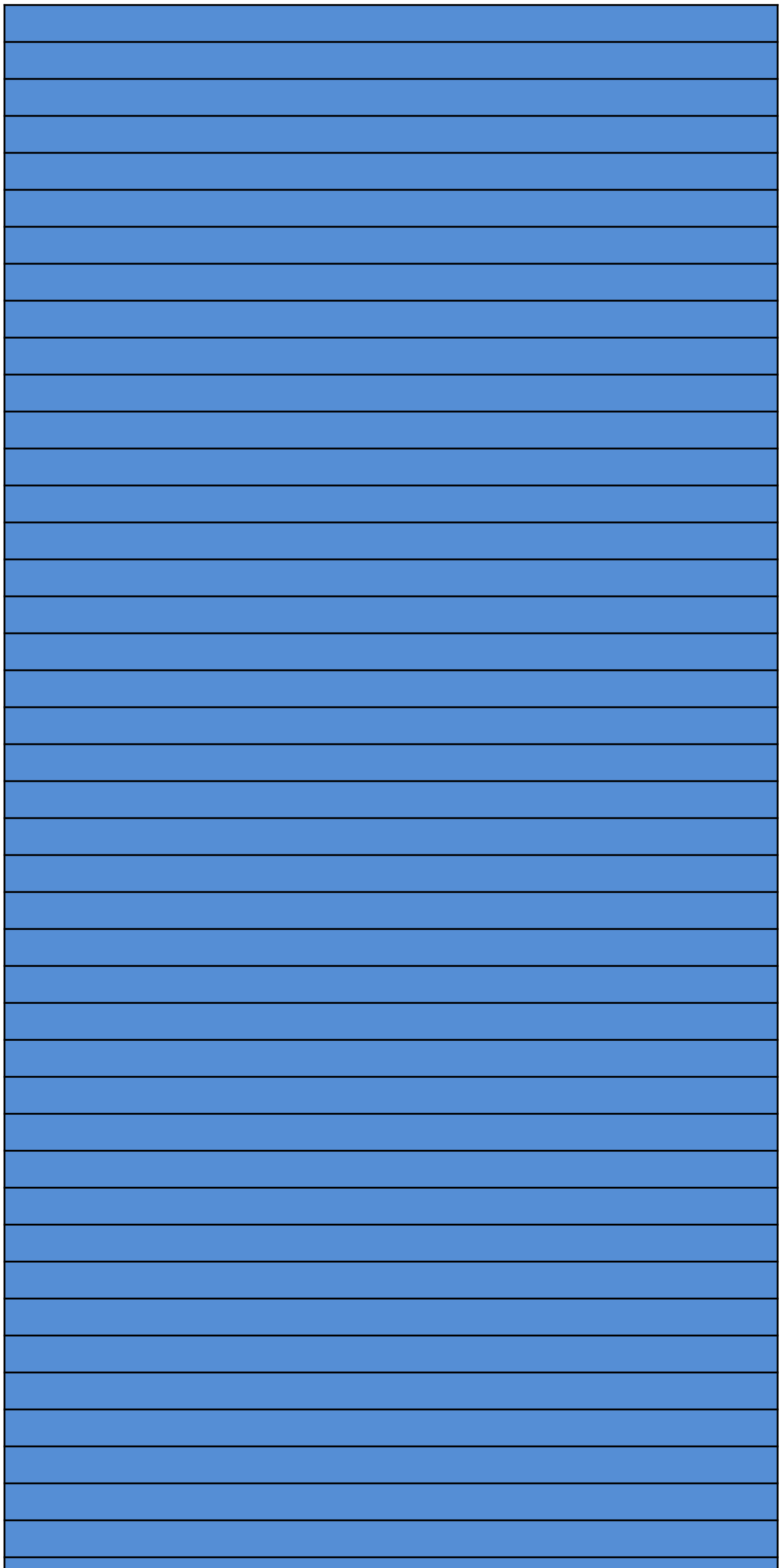

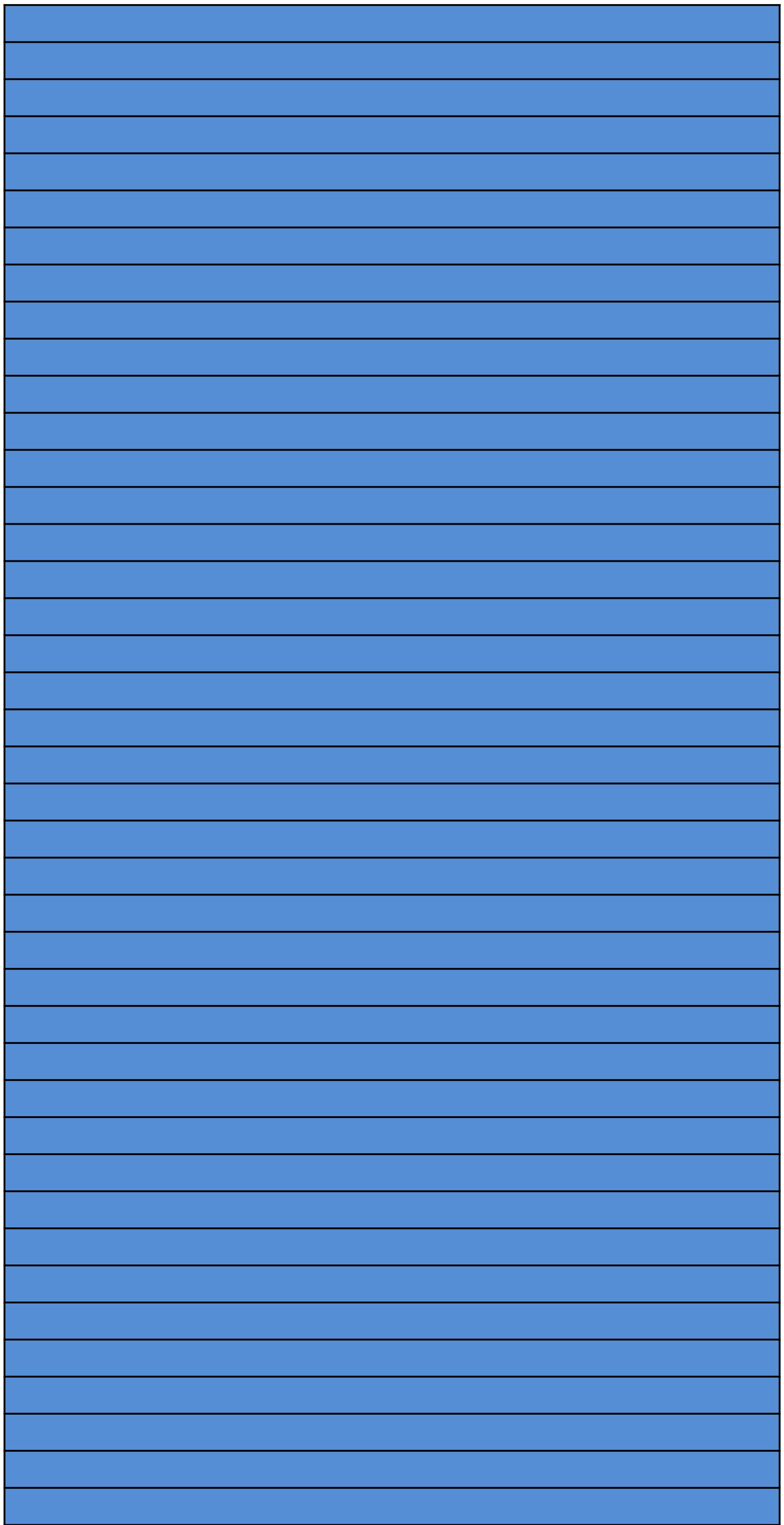

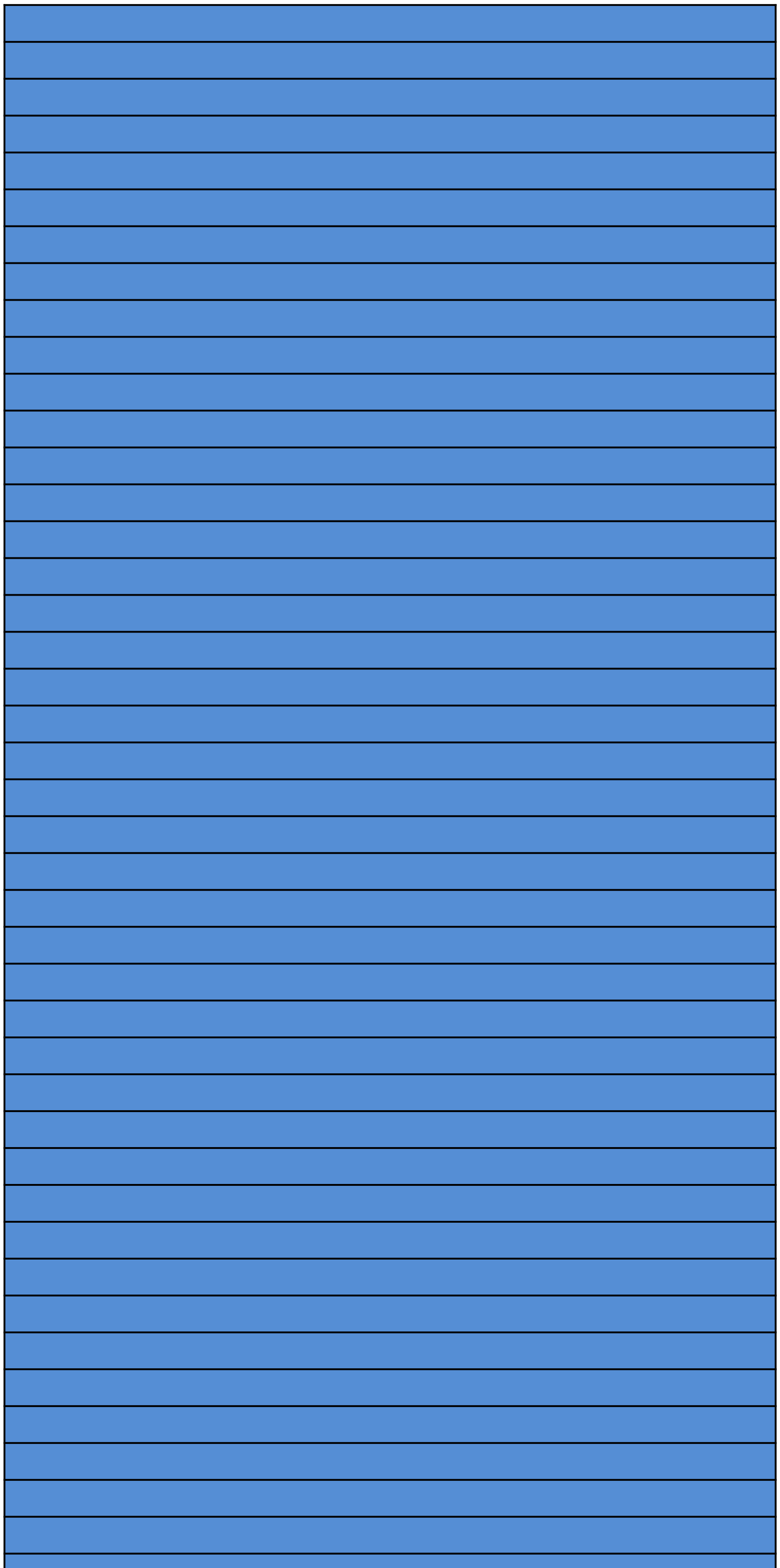

1037.150(b) Table 1

Spark Ign	2013	0.0482	371	Compression
	2014	0.0482	371	
	2015	0.0479	369	
	2016	0.0469	362	
	2017	0.046	354	
	2018	0.044	339	
	2019 and later	0.044	339	

1037.150(b) Table 2

Spark Ign	2013	0.04820	371	Compression
	2014	0.04820	371	
	2015	0.0479	369	
	2016	0.0456	352	
	2017	0.0456	352	
	2018	0.0456	352	
	2019 and later	0.0456	352	

Annual Data - Spark Ignition

Table 1	2014	0.0482	371	Table 1
Table 2	2014	0.0482	371	Table 2

Active Data - Spark Ignition

Table 1	2014	0.0482	371	Table 1

535.5(a)(2) Alternative 1

Spark Ign	2013	0.000542	4.17	Compression
	2014	0.000542	4.17	

	2015	0.000539	4.15	
	2016	0.000513	3.96	
	2017	0.000513	3.96	
	2018	0.000513	3.96	
	2019 and later	0.000495	3.81	
		535.5(a)(2) Alternative 2		
Spark Ign	2013	0.000542	4.17	Compression
	2014	0.000542	4.17	
	2015	0.000539	4.15	
	2016	0.000528	4.07	
	2017	0.000518	3.98	
	2018	0.000495	3.81	
	2019 and later	0.000495	3.81	
		Annual Data - Spark Ignition		
Alternativ	2014	0.000542	4.17	Alternative 1
Alternativ	2014	0.000542	4.17	Alternative 2
		Active Data - Spark Ignition		
Alternativ	2014	0.000542	4.17	Alternative 2

2013	0.0478	368
2014	0.0478	368
2015	0.0474	366
2016	0.046	354
2017	0.0445	343
2018	0.0416	320
2019 and later	0.0416	320

2013	0.0478	368
2014	0.0478	368
2015	0.0474	366
2016	0.044	339
2017	0.044	339
2018	0.044	339
2019 and later	0.044	339

Annual Data - Compression Ignition

2014	0.0478	368
2014	0.0478	368

Active Data - Compression Ignition

2014	0.0478	368

2013	0.000470	3.61
2014	0.000470	3.61

2015	0.000466	3.6
2016	0.000432	3.33
2017	0.000432	3.33
2018	0.000432	3.33
2019 and later	0.000409	3.14
2013	0.000470	3.61
2014	0.000470	3.61
2015	0.000466	3.6
2016	0.000452	3.48
2017	0.000437	3.37
2018	0.000409	3.14
2019 and later	0.000409	3.14
	Annual Data - Compression Ignition	
2014	0.00047	3.61
2014	0.00047	3.61
	Active Data - Compression Ignition	
2014	0.00047	3.61

Example End of Model Year Credit Summary Report

CO_2 Credit Summary

Fleet	Model Year	Target CO2 Standard (g/mile)	Manufacturer CO2 (g/mile)	U.S. Production Volume	CO2 Credit (Deficit) (Mg)
Conventional	2014	587	587	108,500	-1,302
Advanced Technology	2014	586	543	33,500	263,358

Fuel Consumption Credit Summary

Fleet	Model Year	Target FC Standard (gal/100 mile)	Manufacturer FC (gal/100 mile)	U.S. Production Volume	FC Credit (Deficit) (gal)
Conventional	2014	6.39	6.40	108,500	-978,000
Advanced Technology	2014	6.29	5.83	33,500	28,242,000

					OMB Control Numb Expires xx-xx-20xx
CO2 Credits Required for N2O Compliance (Mg)	CO2 Credits Required for CH4 Compliance (Mg)	CO2 Innovative Technology Credits (Mg)	Total CO2 Credits (Mg)	Date Credits Were Earned
-7,152	-600	0	-9,054	12/31/2014
0	0	0	263,358	12/31/2014

FC Innovative Technology Credits (gal)	Total FC Credits (gal)	Date Credits Were Earned	Comments
0	-978,000	12/31/2014	
0	28,242,000	12/31/2014	

ber 2060-NEW
Comments

United States Environmental Protection Agency, Office of Air and

January 31, 2021

HFC Worksheet

Manufacturer	0	
Vehicle Family	0	
Regulatory Subcategory	0	
Averaging set	0	

Please enter information for at least the following configurations: highest system emission rate, largest re

A/C System Information				
A/C system number	Refrigerant	Refrigerant GWP, if other than R134a	Production Volume	Refrigerant Capacity (g)

Installation details

Please list the corporate name(s) (other than the certifying manufacturer) of who will be the final installer(s) of the

Name	Location (state or country, if non-U.S.)

/ Radiation, Office of Transportation and Air Quality

OMB Control Number xxxx-xxxx
Expires xx-xx-20xx

Process Code	0
Model Year	0
Projected Volume	0

efrigerant capacity , highest % leakage, and highest projected sales

Leakage Inputs (optional)				**A/C Leakage Rate**	
Rigid Pipe Connections emission rate	Service port/control device emission rate (g/year):	Hose permeation rate (g/year):	Compressor emission rate (g/year):	Total System HFC Emission Rate (g/year)	Total System HFC Percent Leakage (%/year)

A/C system

Location (state or country, if non-U.S.) Location (state or country, if non-U.S.)

L

H

7

8

Payload	U-L
Vocational	
2.85	110000
[illegible]	[illegible]
7.5	435000
Tractors	
12.5	185000
19	435000

Exam

Select Model Year:
Select Report:

Instructions **Notes**

Model Type Information			
A. Subcon-figuration	**B. Drive**	**C. Engine**	**D. Trans**
A	2wd	8.0L	A6
B	2wd	8.0L	M6

Notes:

[1]CO2 benefit based on in-use combined (c
[3]Replicate sets of tests performed (minimu

EPA Form Number xxx-xxx

ple Model Year Report - Innovat

Manufacturer: ________________

2014
Final Model Year Report

Off Cycle Technology		
E. Description	F. Type of Testing (5-cycle or Other)	G. Date Announ-ced in Federal Register
Active aerodynamics	Other	7-Jan-11
Same as above	Other	7-Jan-11

city/hwy) CO_2 value tested with and without the device (adjusted for full useful-lif
ım of 3 test sets with the device and 3 test sets without the device).

ive Technology Credits Earned

1/31/2021

	AA. Total production volume generating credits [Σ J]		BB. Total Off-Cycle Credits for the Model Year (megagrams) [Σ L]
Totals for the Model Year:	15,000		6,480

		Production	Credits Generated	
H. Date of EPA & NHTSA Approval	I. Initial Model Year Credits can be Generated	J. Production volume (generating credits)	K. Off-Cycle C02 benefit[1] (per vehicle) [round to 0.1]	L. Off-cycle credits
		units	gpm	megagrams
6-May-11	2013MY	10,000	3.6	4,320
6-May-11	2013MY	5,000	3.6	2,160
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e compliance).

OMB Control Number xxxx-xxxx
Expires xx-xx-20xx

M. Comments
Carryover from 2013
Carryover from 2013