Difference Between Reference C	Case and Comp	plimentary Policies	2020													Landfill								Or	her Non-Energy	Petrochemical								Unknown 2
	Asphalt	Aviation Fuel	Biomass	Coal	Coke	Coke Oven	n Gas E	Diesel	Net Electric	Ethanol	Geothermal	Heavy Fuel Oil	Hydro	Hydrogen	Kerosene	Landfill Gases/Waste	Light Fuel Oil	LPG	Lubricants	Motor Gasoline Naph	tha Specialties Na	itural Gas	Nuclear C	Oil,UnSpecified	Products	Feedstocks	Petroleum Coke	Solar	Steam	Still Gas	Wave	Wind	Unknown 1 (Ethanol)	(Biodiesel) Total
single Family Multi Family White Residential Transportation Services Populines Openance Transportation Services Transportation Julilities Wholesale Wholesal	0	0	0	0	0	0		0	3	0	0	0	0	0	0	0	0	0	0	0	0	-11	0	0	0	0	0	0	0	0	0	0	0	0
fulti Family	0	0	0	0	0	0		0	1	0	0	0	0	0	0	0	0	0	0	0	0	-5	0	0	0	0	0	0	0	0	0	0	0	0
Other Residential	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	-6	0	0	0	0	0	0	0	0	0	0	0	0
ransportation Services	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ipelines	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Communication	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Itilities	0	0	0	0	0	0		0	-1	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0
Vholesale	0	0	0	0	0	0		0	-1	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0
tetail	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
IRE	0	0	0	0	0	0		0	1	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	0
Offices - Business Services	0	0	0	0	0	0		0	-2	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0
ducation	0	0	0	0	0	0		0	-2	0	0	0	0	0	0	0	0	0	0	0	0	9	0	2	0	0	0	0	0	0	0	0	0	0
lealth & Social	0	0	0	0	0	0		0	-1	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0
ood, Lodging, Recreation	0	0	0	0	0	0		0	-2	0	0	0	0	0	0	0	0	1	0	0	0	8	0	1	0	0	0	0	0	0	0	0	0	0
Sovernment	0	0	0	0	0	0		0	-1	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	0	0	0	0	0	0	0	0	0	0
ood & Tobacco	0	0	0	0	0	0		0	-3	0	0	0	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0
extiles	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apparel	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
umber	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Furniture	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
aper	0	0	0	1	0	0		0	-2	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0
rinting	0	Ó	0	0	0	0		0	0	0	0	Ó	0	Ó	Ó	0	0	0	0	0	0	1	0	0	0	0	0	Ó	0	0	Ó	0	0	0
hemical	0	0	0	1	0	0		0	-5	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0
Petroleum Products	Ó	Ó	Ó	0	0	0		o .	-5	Ó	0	Ó	Ó	Ó	0	Ó	Ó	Ó	0	0	0	9	0	Ó	0	Ó	0	Ó	Ó	-2	Ó	Ó	0	0
tubber	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
eather	0	Ó	Ó	0	Ó	0		o .	Ó	0	0	0	Ó	Ó	Ó	0	Ó	0	0	0	0	o .	0	Ó	0	Ó	0	0	Ó	0	Ó	0	o o	0
Ionmetallic Minerals	0	0	0	0	0	0		0	-2	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0
rimary Metals	Ó	0	Ó	0	Ó	0		o .	0	Ó	0	0	Ó	Ó	Ó	Ó	Ó	Ó	Ó	0	0	O .	0	Ó	0	Ó	0	Ó	Ó	0	Ó	0	0	0
abricated Metals	0	0	0	0	0	0		0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
lachines	ō	ō	ō	ō	ō	ō		ō	o o	ō	ō	ō	ō	ō	ō	ō	ō	ō	ō	ō	ō	ō	ō	ō	ō	ō	ō	ō	ō	ō	ō	ō	ō	ō
omputers	0	0	0	0	0	0		0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
lectric Equipment	0	0	ō	0	0	0		0	o o	ō	o o	o o	0	Ō	o o	0	ō	0	0	0	0	1	o o	0	0	0	ō	ō	ō	0	0	o o	0	0
ransport Equipment	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Other Manufacturing	o o	o o	ō	0	o o	o o		o o	-1	0	o o	o o	0	o o	ō	0	ō	0	0	0	0	0	o o	0	0	ō	ō	0	ō	0	0	o o	0	o l
lining Except Oil & Gas	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	0
ill & Gas Extraction	0	0	0	0	0	0		0	-1	ů.	0	0	0	0	ů.	o o	0	0	0	0	0	8	0	0	0	0	0	o o	0	0	o o	o o	0	o l
construction	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
prestry	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ariculture	0	0	0	0	0	0		0	4	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0
Possonner	0	0	0	0	0	0		.0	1	.a	0	0	0	0	0	0	0	0	0	-290	0	0	0	0	0	0	0	0	0	0	0	0	178	6
reight	0	0	0	0	0	0		-64	2	0	0	-5	0	0	0	0	0	0	0	-6	0	0	0	0	0	0	0	0	0	0	0	0	6	69
ff Road	0	0	0	0	ň	0		0	0	ő	0	0	ů.	0	ő	0	0	0	0	õ	0	0	0	0	0	0	0	0	0	0	ů.	0	0	0
isc and Streetlighting	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
lectric Recale	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ő
tility Flactric Generation	0	0	8	0	0	0		0	0	0	14	0	0	0	0	0	0	0	0	0	0	-150	0	0	0	0	0	48	0	0	0	38		<u> </u>
dustry Flactric Generation	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	Ď.	0	0	0	0	0	0	0	0	0	0	0	0	0	ň
team Generation	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
olid Trach	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
anto Water	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
asic vvalti	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
cineration and Use	U	<u> </u>	U	U	0	0		0	U	<u>U</u>	U	U	U	U	U	U	U	U	U	0	0	0	U	U	U	<u>U</u>	U	U	U	U	U	<u> </u>	U	0
and Ose	U	U	U	U	U	U		U	U	U	U	U	U	U	U	U	U	U	0	U	U	U	U	U	U	U	U	U	U	U	U	U		
								-73	-17											-206							.4	40				38	184	75 -83
otal (Net)	U	0	8	2	0	0		-/3	-1/	-8	14	-5	0	0	0	0	0	U	0	-296	U	-54	U	4	U	U	-1	48	0	-2	0	38	184	75 -83

-23 Res -150 Elec Gen 118 CHP/Other

Fuel Equivalent																																
															Landfill								Other Non-Energy	Petrochemical								Unknown 2
	Asphalt	Aviation Fuel	Biomass	Coal	Coke	Coke Oven Gas	Diesel	Net Electric	Ethanol	Geothermal	Heavy Fuel Oil	Hydro	Hydrogen	Kerosene	Gases/Waste	Light Fuel Oil	LPG	Lubricants	Motor Gasoline Napht	tha Specialties Natural Gas	Nuclear	Oil, UnSpecified	Products	Feedstocks	Petroleum Coke	Solar	Steam	Still Gas	Wave	Wind	Unknown 1 (Ethanol)	(Biodiesel)
Conversion Factor BTU		120,190	7,690	9,985			138,700	1,027	90,500	1,027							707,143		124,238	1,027		138,690			15,060	1,027	1,027	142,857	1,027	1,027	90,500	130,000
fuel un	t	btu/gal	btu/lb.	btu/lb.			btu/gal	btu/cuft	btu/gal	btu/cuft							btu/cuft		btu/gal	btu/cuft		btu/gal			btu/lb.	btu/cuft	btu/cuft	btu/gal	btu/cuft	btu/cuft	btu/gal	btu/gal
Estimated Fuel Equivalent		0	1,065,149,500	185,568,400			-525,208,400	-17,010,029,200	-89,098,300	13,429,600,800							188,600		-2,385,970,500	-52,990,068,200		27,247,100			-33,253,700	47,062,706,900	0	-10,595,200	0	37,144,693,300	2,029,186,700	580,664,600
(rounded nearest 100)	gals	lbs.	lbs.			gals	cuft	gals	cuft							cuft		gals	cuft		gals			lbs.	cuft	cuft	gals	cuft	cuft		gals
NOTES								Estimated as Nat Gas																		Estimated as Nat Gas E					Based on btu of E85	
								used for Elec Gen 1	fuel	used for Elec Gen																used for Elec Gen u	sed for Elec Gen		used for Elec Gen	used for Elec Gen	fuel	

		-Trade With Offsets														Landfill Gases/Waste								Other	Non-Energy P	Petrochemical							Unknown 1 (Ethanol)	Unknown 2
Family Family Residential portation Services nes nunication	Asphalt	Aviation Fuel	Biomass	Coal	Coke	Coke Ove	en Gas	Diesel	Net Electric	Ethanol	Geothermal	Heavy Fuel Oil	Hydro	Hydrogen	Kerosene	Gases/Waste	Light Fuel Oil	LPG	Lubricants	Motor Gasoline Naphtha	-		Nuclear Oil,U	Specified Pi	Products	Feedstocks	Petroleum Coke	Solar	Steam	Still Gas	Wave	Wind	Unknown 1 (Ethanol)	(Biodiesel)
-amily	0	0	0	0	0	0		0	25	0	0	0	0	0	0	0	0	0	0	0		-23 -11	0	0	0	0	0	0	0	0	0	0	0	0
ridontial	0	0	0	0	0	0		0	1	0	0	0	0	0	0	0	0	0	0	0		-17	0	0	0	0	0	0	0	0	0	0	0	0
ntion Consison	0	0	0	0	0	0		0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
iduuri Services	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
ication	0	0	0	0	0	0		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0		0	1	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0
е	0	Ó	0	0	0	0		0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0		0	7	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0		0	5	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	0
Business Services	0	0	0	0	0	0		0	3	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0
on	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	1	0	0	0	0	0	0	0	0	0	0
& Social	0	0	0	0	0	0		0	1	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
dging, Recreation	0	0	0	0	0	0		0	2	0	0	0	0	0	0	0	0	1	0	0	0	4	0	1	0	0	0	0	0	0	0	0	0	0
ment	0	0	0	0	0	0		0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0
100acco	Û	0	0	Ü	0	0		Û	-1	0	Ü	Ü	0	Ü	U	Ü	U	Û	0	0	0	12	0	0	0	Ü	Û	0	0	0	Ü	Ü	Ü	0
	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
alle - Business Services on Tobacco of Services on Se	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	- 0
no.	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ů ,
· · · · · · · · · · · · · · · · · · ·	0	0	0	0	0	0		0	-2	0	0	0	0	0	0	0	0		0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0
	Ö	ő	Ö	ő	Ö	ő		ő	1	ő	ő	Ö	ő	ő	Ö	o o	Ö	0	ő	Ö	0	1	0	Ö	0	ő	Ö	ŏ	ő	ő	0	ő	Ö	ő
al	0	0	0	-2	0	0		0	-5	0	0	0	0	0	0	0	0	0	0	0	0	10	0	-1	0	0	0	0	0	0	0	0	0	0
m Products	0	Ó	0	0	0	0		0	-5	Ó	0	0	0	0	0	0	0	0	0	Ō	0	0	0	0	0	0	-3	Ó	Ó	-6	0	0	0	0
	0	0	0	0	0	0		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
allic Minerals	0	0	0	-5	0	0		0	-1	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0
Metals	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ed Metals	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ers	0	0	0	0	0	0		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
rt Equipment	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
anuracturing	0	0	0	0	0	0		0	-1	0	0	0	0	0	0	0	0	0	0	0	0	- 1	0	0	0	0	0	0	0	0	0	0	0	
xcept on a das	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	0
rtion	0	0	0	0	0	0		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Duoii	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
re	0	0	0	0	0	0		0	9	0	0	0	0	0	0	0	0	0	0	0	0	2	0	-2	0	0	0	0	0	0	0	0	0	0
er	0	-25	0	0	0	0		-8	2	-8	0	0	0	0	0	0	0	0	0	-291	0	0	0	0	0	0	0	0	0	0	0	0	178	6
	0	0	0	0	0	0		-79	2	0	0	-15	0	0	0	0	0	0	0	-8	0	0	0	0	0	0	0	0	0	0	0	0	6	66
	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
re er I Streetlighting kesale settic Generation electric Generation eneration sh	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
esale	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ctric Generation	0	0	8	-9	0	0		0	0	0	14	0	0	0	0	0	0	0	0	0	0	-231	0	0	0	0	0	48	Ō	0	0	38	0	0
lectric Generation	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
eneration	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
sh	0	0	0	0	0	0		0	0	0	00	0	0	00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ater	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ion e	0	0	Ü	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	U	U	U	U	0	0		U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	0	-25						-88		_	14	-15					_			-299		-209											183	73

-52 Res -231 Elec Gen 74 CHP/Other

Fuel Equivalent																																
															Landfill								Other Non-Energy	Petrochemical								Unknown 2
	Asphalt	Aviation Fuel	Biomass	Coal	Coke	Coke Oven Gas	Diesel	Net Electric	Ethanol	Geothermal	Heavy Fuel Oil	Hydro	Hydrogen	Kerosene	Gases/Waste	Light Fuel Oil	LPG	Lubricants	Motor Gasoline Naphti	tha Specialties Natural Gas	Nuclear	Oil,UnSpecified	Products	Feedstocks	Petroleum Coke	Solar	Steam	Still Gas	Wave	Wind	Unknown 1 (Ethanol)	(Biodiesel)
Conversion Factor BTU		120,190	7,690	9,985			138,700	1,027	90,500	1,027							707,143		124,238	1,027		138,690			15,060	1,027	1,027	142,857	1,027	1,027	90,500	130,000
fuel unit		btu/gal	btu/lb.	btu/lb.			btu/gal	btu/cuft	btu/gal	btu/cuft							btu/cuft		btu/gal	btu/cuft		btu/gal			btu/lb.	btu/cuft	btu/cuft	btu/gal	btu/cuft	btu/cuft	btu/gal	btu/gal
Estimated Fuel Equivalent		-204,913,900	1,065,149,500	-1,579,489,200			-633,602,000	58,167,575,500	-89,098,300	13,429,600,800							-1,579,500		-2,410,471,000	-203,059,591,000		-3,037,000			-198,446,200	47,062,706,900	0	-40,251,400	0	37,144,693,300	2,025,905,000	560,256,200
(rounded nearest 100)		gals	lbs.	lbs.			gals	cuft	gals	cuft							cuft		gals	cuft		gals			lbs.	cuft	cuft	gals	cuft	cuft	gals	gals
NOTES								Estimated as Nat Gas		Estimated as Nat Gas																Estimated as Nat Gas					Based on btu of E85	
								used for Elec Gen	fuel	used for Elec Gen																used for Elec Gen	used for Elec Gen		used for Elec Gen	used for Elec Gen	fuel	

	Asphalt	Aviation Fuel	Biomass	Coal	Coke	Coke Oven Gas	Diese
Single Family	0	0	0	0	0	0	0
Multi Family	0	0	0	0	0	0	0
Other Residential	0	0	0	0	0	0	0
Transportation Services	0	0	0	0	0	0	0
Pipelines	0	0	0	0	0	0	0
Communication	0	0	0	0	0	0	0
Utilities	0	0	0	0	0	0	0
Wholesale	0	0	0	0	0	0	0
Retail	0	0	0	0	0	0	0
FIRE	0	0	0	0	0	0	0
Offices - Business Services	0	0	0	0	0	0	0
Education	0	0	0	0	0	0	0
Health & Social	0	0	0	0	0	0	0
Food, Lodging, Recreation	0	0	0	0	0	0	0
Government	0	0	0	0	0	0	0
Food & Tobacco	0	0	0	-1	0	0	0
Textiles	0	0	0	0	0	0	0
Apparel Lumber	0	0	0	0	0	0	0
Furniture	0	0	0	0	0	0	0
Paper	0	0	0	-1	0	0	0
Printing	0	0	0	0	0	0	0
Chemical	0	0	0	-4	0	0	0
Petroleum Products	0	Ö	0	0	0	0	0
Rubber	0	0	0	0	0	0	0
Leather	ő	Ö	ő	ő	Ö	0	ő
Nonmetallic Minerals	0	0	0	-9	0	0	0
Primary Metals	ō	Ō	ō	ō	ō	Ö	ō
Fabricated Metals	0	0	0	0	0	0	0
Machines	0	0	0	0	0	0	0
Computers	0	0	0	0	0	0	0
Electric Equipment	0	0	0	0	0	0	0
Transport Equipment	0	0	0	0	0	0	0
Other Manufacturing	0	0	0	0	0	0	0
Mining Except Oil & Gas	0	0	0	0	0	0	0
Oil & Gas Extraction	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0
Forestry	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0
Passenger	0	-37	0	0	0	0	-9
	0						

Mart Mart			Aviation Fuel													Land	MI.								Other Non-Energy	Petrochemical Feedstocks								known 2	
Incheration 0 <th< th=""><th></th><th>Asphalt</th><th>Aviation Fuel</th><th>Biomass</th><th>Coal</th><th>Coke</th><th>Coke Oven Gas</th><th>Diesel</th><th>Net Electric</th><th>Ethanol</th><th>Geothermal</th><th>Heavy Fuel Oil</th><th>Hydro</th><th>Hydrogen</th><th>Kerosene</th><th>Gases/V</th><th>/aste Ligi</th><th>t Fuel Oil</th><th>LPG</th><th>Lubricants</th><th>Motor Gasoline Naphtha</th><th>Specialties Natural Gas</th><th>Nuclear</th><th>Oil,UnSpecified</th><th>Products</th><th>reedstocks</th><th>Petroleum Coke</th><th>Solar</th><th>Steam</th><th>Still Gas</th><th>wave</th><th>Wind Unk</th><th>nown 1 (Ethanol) (B</th><th>odiesei) Tota</th><th>al (Net)</th></th<>		Asphalt	Aviation Fuel	Biomass	Coal	Coke	Coke Oven Gas	Diesel	Net Electric	Ethanol	Geothermal	Heavy Fuel Oil	Hydro	Hydrogen	Kerosene	Gases/V	/aste Ligi	t Fuel Oil	LPG	Lubricants	Motor Gasoline Naphtha	Specialties Natural Gas	Nuclear	Oil,UnSpecified	Products	reedstocks	Petroleum Coke	Solar	Steam	Still Gas	wave	Wind Unk	nown 1 (Ethanol) (B	odiesei) Tota	al (Net)
Incheration 0 <th< th=""><th>Single Family</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>92</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th></th><th>0</th><th>0</th><th>0</th><th>0</th><th>0 -39</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>53</th></th<>	Single Family	0	0	0	0	0	0	0	92	0	0	0	0	0	0	0		0	0	0	0	0 -39	0	0	0	0	0	0	0	0	0	0	0	0	53
Incheration 0 <th< th=""><th>Multi Family</th><th>0</th><th>0</th><th>00</th><th>0</th><th>0</th><th>0</th><th>0</th><th>32</th><th>0</th><th>0</th><th>00</th><th>0</th><th>0</th><th>0</th><th>0</th><th></th><th>0</th><th>0</th><th>00</th><th>0</th><th>0 -19</th><th>0</th><th>0</th><th>00</th><th>0</th><th>00</th><th>0</th><th>0</th><th>00</th><th>0</th><th>0</th><th>0</th><th>0</th><th>14</th></th<>	Multi Family	0	0	00	0	0	0	0	32	0	0	00	0	0	0	0		0	0	00	0	0 -19	0	0	00	0	00	0	0	00	0	0	0	0	14
Incheration 0 <th< th=""><th>Other Residential</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>5</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th></th><th>0</th><th>0</th><th>0</th><th>0</th><th>0 -28</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>-23</th></th<>	Other Residential	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0		0	0	0	0	0 -28	0	0	0	0	0	0	0	0	0	0	0	0	-23
Incheration 0 <th< th=""><th>Transportation Services</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>2</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th></th><th>0</th><th>0</th><th>0</th><th>0</th><th>0 0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>3</th></th<>	Transportation Services	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0		0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	3
Incheration 0 <th< th=""><th>Pipelines</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>-1</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th></th><th>0</th><th>0</th><th>0</th><th>0</th><th>0 0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th></th<>	Pipelines	0	0	0	0	0	0	0	-1	0	0	0	0	0	0	0		0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0
Incheration 0 <th< th=""><th>Communication</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>3</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th></th><th>0</th><th>0</th><th>0</th><th>0</th><th>0 0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>3</th></th<>	Communication	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0		0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	3
Incheration 0 <th< th=""><th>Utilities</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>7</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th></th><th>0</th><th>0</th><th>0</th><th>0</th><th>0 3</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>10</th></th<>	Utilities	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0		0	0	0	0	0 3	0	0	0	0	0	0	0	0	0	0	0	0	10
Incheration 0 <th< th=""><th>Wholesale</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>4</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th></th><th>0</th><th>0</th><th>0</th><th>0</th><th>0 2</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>7</th></th<>	Wholesale	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0		0	0	0	0	0 2	0	0	0	0	0	0	0	0	0	0	0	0	7
Incheration 0 <th< th=""><th>Retail</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>29</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th></th><th>0</th><th>0</th><th>0</th><th>0</th><th>0 1</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>0</th><th>31</th></th<>	Retail	0	0	0	0	0	0	0	29	0	0	0	0	0	0	0		0	0	0	0	0 1	0	0	0	0	0	0	0	0	0	0	0	0	31
Incheration 0 <th< th=""><td>FIRE</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>20</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0 -2</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>18</td></th<>	FIRE	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0		0	0	0	0	0 -2	0	0	0	0	0	0	0	0	0	0	0	0	18
Incheration 0 <th< th=""><td>Offices - Business Services</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>18</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0 10</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>28</td></th<>	Offices - Business Services	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0		0	0	0	0	0 10	0	0	0	0	0	0	0	0	0	0	0	0	28
Incheration 0 <th< th=""><td>Education</td><td>Ó</td><td>0</td><td>Ó</td><td>0</td><td>0</td><td>o o</td><td>Ó</td><td>7</td><td>0</td><td>Ó</td><td>Ó</td><td>Ó</td><td>Ó</td><td>Ó</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>o o</td><td>0 8</td><td>Ó</td><td>2</td><td>0</td><td>Ó</td><td>Ó</td><td>Ó</td><td>o o</td><td>0</td><td>Ó</td><td>Ö</td><td>o o</td><td>0</td><td>16</td></th<>	Education	Ó	0	Ó	0	0	o o	Ó	7	0	Ó	Ó	Ó	Ó	Ó	0		0	0	0	o o	0 8	Ó	2	0	Ó	Ó	Ó	o o	0	Ó	Ö	o o	0	16
Incheration 0 <th< th=""><td>Health & Social</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>6</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0 4</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>10</td></th<>	Health & Social	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0		0	0	0	0	0 4	0	0	0	0	0	0	0	0	0	0	0	0	10
Incheration 0 <th< th=""><td>Food Lodging Recreation</td><td>0</td><td>0</td><td>o o</td><td>o o</td><td>0</td><td>0</td><td>o o</td><td>14</td><td>ō</td><td>0</td><td>ō</td><td>Ď.</td><td>0</td><td>0</td><td>o o</td><td></td><td>0</td><td>1</td><td>ō</td><td>0</td><td>0 2</td><td>ō</td><td>1</td><td>o o</td><td>0</td><td>ō</td><td>ō</td><td>0</td><td>0</td><td>o o</td><td>0</td><td>0</td><td>0</td><td>18</td></th<>	Food Lodging Recreation	0	0	o o	o o	0	0	o o	14	ō	0	ō	Ď.	0	0	o o		0	1	ō	0	0 2	ō	1	o o	0	ō	ō	0	0	o o	0	0	0	18
Incheration 0 <th< th=""><td>Government</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>6</td><td>0</td><td>0</td><td></td><td>0</td><td></td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0 3</td><td></td><td>1</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>10</td></th<>	Government	0	0	0	0	0	0	0	6	0	0		0		0	0		0	0	0	0	0 3		1	0	0		0	0	0	0	0	0	0	10
Incheration 0 <th< th=""><td>Food & Tobacco</td><td>0</td><td>ň</td><td>n n</td><td>-1</td><td>ň</td><td>ň</td><td>ň</td><td>5</td><td>Ů</td><td>0</td><td>Ů</td><td>n</td><td>0</td><td>ů .</td><td>0</td><td></td><td>0</td><td>0</td><td>ů.</td><td>ů .</td><td>0 3</td><td>Ů</td><td>i</td><td>n</td><td>0</td><td>n</td><td>0</td><td>ů.</td><td>n n</td><td>ň</td><td>0</td><td>0</td><td>0</td><td>6</td></th<>	Food & Tobacco	0	ň	n n	-1	ň	ň	ň	5	Ů	0	Ů	n	0	ů .	0		0	0	ů.	ů .	0 3	Ů	i	n	0	n	0	ů.	n n	ň	0	0	0	6
Incheration 0 <th< th=""><td>Totalor</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0 1</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td><u> </u></td><td>0</td><td>0</td><td>0</td><td></td></th<>	Totalor	0	0	0		0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0 1	0	0	0	0	0	0	0	0	<u> </u>	0	0	0	
Incheration 0 <th< th=""><td>Apparol</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0 0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>-1</td></th<>	Apparol	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	-1
Incheration 0 <th< th=""><td>Apparei</td><td></td><td></td><td></td><td></td><td></td><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td>0</td><td></td><td>0</td><td>0 0</td><td></td><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td>0</td><td>0</td><td></td></th<>	Apparei						0											0	0		0	0 0		0								0	0	0	
Incheration 0 <th< th=""><td>Cumber</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></th<>	Cumber	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Incheration 0 <th< th=""><td>rumiture</td><td></td><td></td><td>0</td><td></td><td></td><td></td><td></td><td></td><td>0</td><td></td><td>0</td><td></td><td></td><td></td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0 0</td><td></td><td>0</td><td></td><td></td><td></td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td></td></th<>	rumiture			0						0		0				0		0	0	0	0	0 0		0				0	0	0		0	0	0	
Incheration 0 <th< th=""><td>Paper</td><td>0</td><td>U</td><td>U</td><td>-1</td><td>0</td><td>0</td><td>0</td><td>-1</td><td>0</td><td>Ü</td><td>0</td><td>0</td><td>U</td><td>U</td><td>U</td><td></td><td>0</td><td>0</td><td>0</td><td>Ü</td><td>0 5</td><td>0</td><td>U</td><td>0</td><td>U</td><td>0</td><td>Ü</td><td>Ü</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>4</td></th<>	Paper	0	U	U	-1	0	0	0	-1	0	Ü	0	0	U	U	U		0	0	0	Ü	0 5	0	U	0	U	0	Ü	Ü	0	0	0	0	0	4
Incheration 0 <th< th=""><td>Printing</td><td></td><td>0</td><td>0</td><td></td><td>- 0</td><td></td><td>0</td><td>3</td><td>0</td><td><u> </u></td><td>0</td><td></td><td>- 0</td><td>0</td><td></td><td></td><td>0</td><td></td><td>0</td><td>U</td><td>0 0</td><td></td><td>0</td><td></td><td></td><td>0</td><td>0</td><td>- 0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>3</td></th<>	Printing		0	0		- 0		0	3	0	<u> </u>	0		- 0	0			0		0	U	0 0		0			0	0	- 0	0	0	0	0	0	3
Incheration 0 <th< th=""><td>Chemical</td><td>0</td><td>0</td><td>0</td><td>-4</td><td>0</td><td>0</td><td>0</td><td>-3</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>-1</td><td>0</td><td>-1</td><td>0 7</td><td>0</td><td>-3</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>-5</td></th<>	Chemical	0	0	0	-4	0	0	0	-3	0	0	0	0	0	0	0		0	-1	0	-1	0 7	0	-3	0	0	0	0	0	0	0	0	0	0	-5
Incheration 0 <th< th=""><td>Petroleum Products</td><td></td><td></td><td>0</td><td></td><td>0</td><td></td><td></td><td>-8</td><td>0</td><td><u> </u></td><td>0</td><td></td><td></td><td></td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>U</td><td>U -15</td><td></td><td>0</td><td></td><td></td><td>-4</td><td>0</td><td>0</td><td>-1</td><td>0</td><td>0</td><td>0</td><td>0</td><td>-28</td></th<>	Petroleum Products			0		0			-8	0	<u> </u>	0				0		0	0	0	U	U -15		0			-4	0	0	-1	0	0	0	0	-28
Incheration 0 <th< th=""><td>Rubber</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>4</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0 -1</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>3</td></th<>	Rubber	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0		0	0	0	0	0 -1	0	0	0	0	0	0	0	0	0	0	0	0	3
Incheration 0 <th< th=""><td>Leather</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0 0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></th<>	Leather	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0
Incheration 0 <th< th=""><td>Nonmetallic Minerals</td><td>0</td><td>0</td><td>0</td><td>-9</td><td>0</td><td>0</td><td>0</td><td>2</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0 6</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>-1</td></th<>	Nonmetallic Minerals	0	0	0	-9	0	0	0	2	0	0	0	0	0	0	0		0	0	0	0	0 6	0	0	0	0	0	0	0	0	0	0	0	0	-1
Incheration 0 <th< th=""><td>Primary Metals</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td> 1</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0 0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></th<>	Primary Metals	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0		0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0
Incheration 0 <th< th=""><td>Fabricated Metals</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>2</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0 -1</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>1</td></th<>	Fabricated Metals	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0		0	0	0	0	0 -1	0	0	0	0	0	0	0	0	0	0	0	0	1
Incheration 0 <th< th=""><td>Machines</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>1</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0 0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>1</td></th<>	Machines	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0		0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	1
Incheration 0 <th< th=""><td>Computers</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>7</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0 -1</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>6</td></th<>	Computers	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0		0	0	0	0	0 -1	0	0	0	0	0	0	0	0	0	0	0	0	6
Incheration 0 <th< th=""><td>Electric Equipment</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>11</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0 1</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>1</td></th<>	Electric Equipment	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0		0	0	0	0	0 1	0	0	0	0	0	0	0	0	0	0	0	0	1
Incheration 0 <th< th=""><td>Transport Equipment</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>2</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0 1</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>3</td></th<>	Transport Equipment	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0		0	0	0	0	0 1	0	0	0	0	0	0	0	0	0	0	0	0	3
Incheration 0 <th< th=""><td>Other Manufacturing</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0 0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>-1</td></th<>	Other Manufacturing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	-1
Incheration 0 <th< th=""><td>Mining Except Oil & Gas</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>1</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0 -1</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>-1</td></th<>	Mining Except Oil & Gas	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0		0	0	0	0	0 -1	0	0	0	0	0	0	0	0	0	0	0	0	-1
Incheration 0 <th< th=""><td>Oil & Gas Extraction</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>4</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0 -27</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>-23</td></th<>	Oil & Gas Extraction	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0		0	0	0	0	0 -27	0	0	0	0	0	0	0	0	0	0	0	0	-23
Incheration 0 <th< th=""><td>Construction</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>2</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0 0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>1</td></th<>	Construction	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0		0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	1
Incheration 0 <th< th=""><td>Forestry</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0 0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></th<>	Forestry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0
Incheration 0 <th< th=""><td>Agriculture</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>29</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>-1</td><td>0 0</td><td>0</td><td>-6</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>21</td></th<>	Agriculture	0	0	0	0	0	0	0	29	0	0	0	0	0	0	0		0	0	0	-1	0 0	0	-6	0	0	0	0	0	0	0	0	0	0	21
Incheration 0 <th< th=""><td>Passenger</td><td>0</td><td>-37</td><td>0</td><td>0</td><td>0</td><td>0</td><td>-9</td><td>6</td><td>-8</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>-298</td><td>0 0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>177</td><td>6</td><td>-165</td></th<>	Passenger	0	-37	0	0	0	0	-9	6	-8	0	0	0	0	0	0		0	0	0	-298	0 0	0	0	0	0	0	0	0	0	0	0	177	6	-165
Incheration 0 <th< th=""><td>Freight</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>-93</td><td>3</td><td>0</td><td>0</td><td>-23</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>-10</td><td>0 0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>5</td><td>64</td><td>-53</td></th<>	Freight	0	0	0	0	0	0	-93	3	0	0	-23	0	0	0	0		0	0	0	-10	0 0	0	0	0	0	0	0	0	0	0	0	5	64	-53
Incheration 0 <th< th=""><td>Off Road</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0 0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></th<>	Off Road	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0
Incheration 0 <th< th=""><td>Misc, and Streetlighting</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0 0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></th<>	Misc, and Streetlighting	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0
Incheration 0 <th< th=""><td>Electric Resale</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0 0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></th<>	Electric Resale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0
Incheration 0 <th< th=""><td>Utility Electric Generation</td><td>0</td><td>0</td><td>8</td><td>-34</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>14</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0 -473</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>48</td><td>0</td><td>0</td><td>0</td><td>38</td><td>0</td><td>0</td><td>-398</td></th<>	Utility Electric Generation	0	0	8	-34	0	0	0	0	0	14	0	0	0	0	0		0	0	0	0	0 -473	0	0	0	0	0	48	0	0	0	38	0	0	-398
Incheration 0 <th< th=""><td>Industry Electric Generation</td><td>0</td><td>0</td><td>0</td><td>0</td><td>n n</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>n</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0 0</td><td>0</td><td>0</td><td>n n</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></th<>	Industry Electric Generation	0	0	0	0	n n	0	0	0	0	0	0	n	0	0	0		0	0	0	0	0 0	0	0	n n	0	0	0	0	0	0	0	0	0	0
Incheration 0 <th< th=""><td>Steam Generation</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0 0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></th<>	Steam Generation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0
Incheration 0 <th< th=""><td>Solid Trach</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0 0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></th<>	Solid Trach	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0
Incheration 0 <th< th=""><td>Wasta Water</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0 0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></th<>	Wasta Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0
-426	Incineration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0
-426	Land Hea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Laliu Use	U	U	U	U	0		v	J	U	J	v	v	U	U	U		U	v	U	0	0	U	U	v	0	v	U	U	J	v	v	U	U	426
ואו או איז ס ייס ער אויי ע ע ייס איז ס ייס ער אויי ע ע ייס איז איז ס ייס ער אוייס איז	Total (blas)		27		40	0		400	200		44	22	0								244	0 551						40		4		20	100	70 400	-426
	TOTAL (INEL)	U	-3/	8	-49	U	U	-102	306	-8	14	-23	U	U	U	U		U	-1	U	-311	U -551	U	-0	U	0	-4	46	0	-1	U	30	102	/U -426	

-86	Res
-473	Elec Gen
9	CHP/Other

Fuel Equivalent																															
															Landfill								Petrochemical								Unknown 2
	Asphalt	Aviation Fuel	Biomass	Coal	Coke	Coke Oven Gas	Diesel	Net Electric	Ethanol	Geothermal	Heavy Fuel Oil	Hydro	Hydrogen	Kerosene	Gases/Waste	Light Fuel Oil	LPG	Lubricants	Motor Gasoline Naphtha Specialties	s Natural Gas	Nuclear Oil,UnSpecifi	d Products	Feedstocks	Petroleum Coke	Solar	Steam	Still Gas	Wave	Wind	Unknown 1 (Ethanol)	(Biodiesel)
Conversion Factor BTU		120,190	7,690	9,985			138,700	1,027	90,500	1,027							707,143		124,238	1,027	138,690			15,060	1,027	1,027	142,857	1,027	1,027	90,500	130,000
fuel unit		btu/gal	btu/lb.	btu/lb.			btu/gal	btu/cuft	btu/gal	btu/cuft							btu/cuft		btu/gal	btu/cuft	btu/gal			btu/lb.	btu/cuft	btu/cuft	btu/gal	btu/cuft	btu/cuft	btu/gal	btu/gal
Estimated Fuel Equivalent (rounded nearest 100)		-310,696,400	1,065,149,500	-4,952,969,500			-735,756,300	298,350,925,000	-89,098,300	13,429,600,800							-1,659,200		-2,500,256,800	-536,224,927,000	-43,396,80			-285,292,200	47,062,706,900	0	-8,344,000	0	37,144,693,300	2,011,435,400	541,023,100
(rounded nearest 100)		gals	lbs.	lbs.			gals	cuft	gals	cuft							cuft		gals	cuft	gals			lbs.	cuft	cuft	gals	cuft	cuft	gals	gals
NOTES								Estimated as Nat Gas																	Estimated as Nat Gas					Based on btu of E85	
								used for Elec Gen	uel	used for Elec Gen															used for Elec Gen	used for Elec Gen		used for Elec Gen	used for Elec Gen	fuel	

ESTIMATED CHANGE IN 2020 ENERGY DEMAND AND CRITERIA POLLUTANT EMISSIONS BASED ON ENERGY2020 MODELING FOR SELECTED FUELS AND SECTORS

CHANGE IN ENERGY DEMAND (Tbtu/YR)

		Coal (ElecGen			Motor	Natural Gas	Natural Gas	Natural Gas	Petroleum		Unknwn1	Unknwn2	
	Biomass	Only)	Diesel	Ethanol	Gasoline	(Elec Gen)	(Residential)	(CHP/Other)	Coke	Still Gas	Ethanol	Biodiesel	
Change f	from Referer	nce Case	to Comple	mentary N	leasures								
Tbtu	8	0	-73	-8	-296	-150	-23	118	-1	-2	184	75	
Change f	from Referer	nce Case	to Cap-an	d-Trade W	ith Offsets								
Tbtu	8	-9	-88	-8	-299	-231	-52	74	-3	-6	183	73	
Change f	from Referer	nce Case	to Cap-an	d-Trade No	Offsets								
Tbtu	8	-34	-102	-8	-311	-473	-86	9	-4	-1	182	70	

2020 EMISSION FACTOR ESTIMATES (TONS/Tbtu)

These Emission Factor Estimates were developed specifically for this analysis and should not be used for general application.

		Coal										
		(ElecGen			Motor	Natural Gas	Natural Gas	Natural Gas	Petroleum		Unknwn1	Unknwn2
	Biomass	Only)	Diesel	Ethanol	Gasoline	(Elec Gen)	(Residential)	(CHP/Other)	Coke	Still Gas	Ethanol	Biodiesel
TOG	7.40	7.46	13.80	33.72	33.72	7.66	5.16	7.66	1.14	8.35	33.72	13.80
ROG	3.24	0.34	11.30	30.51	30.51	1.21	2.18	1.21	0.32	3.57	30.51	11.30
NOx	41.56	20.38	163.06	25.54	25.54	8.85	35.82	8.85	6.73	34.35	25.54	163.06
SOx	4.67	13.91	0.77	0.75	0.75	0.36	0.28	0.36	309.03	13.36	0.75	0.77
СО	155.47	13.21	92.75	317.03	317.03	8.84	18.81	8.84	0.00	22.45	317.03	92.75
PM10	10.21	2.63	7.03	6.95	6.95	1.76	3.58	1.76	9.00	4.81	6.95	7.03
PM2.5	9.39	0.99	4.68	4.44	4.44	1.75	3.58	1.75	7.59	4.73	4.44	4.68

ESTIMATED CHANGE IN EMISSIONS (TONS/DAY)

		Coal (ElecGen			Motor	Natural Gas	Natural Gas	Natural Gas	Petroleum		Unknwn1	Unknwn2	
	Biomass	Only)	Diesel	Ethanol	Gasoline	(Elec Gen)	(Residential)	(CHP/Other)	Coke	Still Gas	Ethanol	Biodiesel	Total
-	from Refere			-									
TOG	0.2	0.0	-2.8	-0.7	-27.4	-3.2	-0.3	2.5	0.0	0.0	17.0	2.9	-11.9
ROG	0.1	0.0	-2.3	-0.7	-24.8	-0.5	-0.1	0.4	0.0	0.0	15.3	2.3	-10.2
NOx	0.9	0.0	-32.5	-0.6	-20.7	-3.6	-2.2	2.9	0.0	-0.1	12.9	33.7	-9.5
SOx	0.1	0.0	-0.2	0.0	-0.6	-0.1	0.0	0.1	-0.4	-0.1	0.4	0.2	-0.7
CO	3.5	0.0	-18.5	-7.0	-257.5	-3.6	-1.2	2.9	0.0	-0.1	159.5	19.2	-102.8
PM10	0.2	0.0	-1.4	-0.2	-5.6	-0.7	-0.2	0.6	0.0	0.0	3.5	1.5	-2.4
PM2.5	0.2	0.0	-0.9	-0.1	-3.6	-0.7	-0.2	0.6	0.0	0.0	2.2	1.0	-1.6
Change f	from Refere	nce Case t	o Cap-an	d-Trade Wi	th Offsets								
TOG	0.2	-0.2	-3.3	-0.7	-27.7	-4.8	-0.7	1.6	0.0	-0.1	16.9	2.8	-16.2
ROG	0.1	0.0	-2.7	-0.7	-25.0	-0.8	-0.3	0.2	0.0	-0.1	15.3	2.3	-11.7
NOx	0.9	-0.5	-39.3	-0.6	-21.0	-5.6	-5.1	1.8	-0.1	-0.5	12.8	32.5	-24.4
SOx	0.1	-0.3	-0.2	0.0	-0.6	-0.2	0.0	0.1	-2.5	-0.2	0.4	0.2	-3.4
CO	3.5	-0.3	-22.3	-7.0	-260.1	-5.6	-2.7	1.8	0.0	-0.4	159.2	18.5	-115.3
PM10	0.2	-0.1	-1.7	-0.2	-5.7	-1.1	-0.5	0.4	-0.1	-0.1	3.5	1.4	-3.9
PM2.5	0.2	0.0	-1.1	-0.1	-3.6	-1.1	-0.5	0.4	-0.1	-0.1	2.2	0.9	-2.9
Change f	from Refere	nce Case t	o Cap-an	d-Trade No	Offsets								
TOG	0.2	-0.7	-3.9	-0.7	-28.7	-9.9	-1.2	0.2	0.0	0.0	16.8	2.7	-25.4
ROG	0.1	0.0	-3.2	-0.7	-26.0	-1.6	-0.5	0.0	0.0	0.0	15.2	2.2	-14.4
NOx	0.9	-1.9	-45.6	-0.6	-21.7	-11.5	-8.4	0.2	-0.1	-0.1	12.7	31.4	-44.6
SOx	0.1	-1.3	-0.2	0.0	-0.6	-0.5	-0.1	0.0	-3.6	0.0	0.4	0.1	-5.7
CO	3.5	-1.2	-25.9	-7.0	-269.8	-11.5	-4.4	0.2	0.0	-0.1	158.1	17.9	-140.2
PM10	0.2	-0.2	-2.0	-0.2	-5.9	-2.3	-0.8	0.0	-0.1	0.0	3.5	1.4	-6.4
PM2.5	0.2	-0.1	-1.3	-0.1	-3.8	-2.3	-0.8	0.0	-0.1	0.0	2.2	0.9	-5.1

Coal estimates are based on coal used for Electricity Generation Natural Gas estimates are based on Electricity Generation and Residential Use

Difference Between Reference Case and Complementary Policies

		SCAQI	MD MSBACT	CALEPA C	AT Updated
		Gι	ıidelines	Macroecor	omic Report
	Estimated				Value
Criteria Pollutant	Change (TPD)	\$/Ton	Value \$1,000/Yr	\$/Ton	\$1,000/Yr
Reactive Organic Gases (ROG)	-10.2	\$ 22,297	(\$83,029)	\$ 12,813	(\$47,712)
Oxides of Nitrogen (NOx)	-9.5	\$ 21,083	(\$72,948)	\$ 21,320	(\$73,768)
Oxides of Sulfur (SOx)	-0.7	\$ 11,149	(\$2,715)		
Carbon Monoxide (CO)	-102.8	\$ 442	(\$16,590)		
Particulate Matter (PM10)	-2.4	\$ 4,967	(\$4,402)	\$ 20,500	(\$18,170)
			(*)		(4
Total	-125.6		(\$179,684)		(\$139,651)

Difference Between Reference Case and Cap-and-Trade With Offsets

		SCAQMD MSBACT Guidelines		CALEPA CAT Updated Macroeconomic Report	
	Estimated				Value
Criteria Pollutant	Change (TPD)	\$/Ton	Value \$1,000/Yr	\$/Ton	\$1,000/Yr
Reactive Organic Gases (ROG)	-11.7	\$ 22,297	(\$94,956)	\$ 12,813	(\$54,567)
Oxides of Nitrogen (NOx)	-24.4	\$ 21,083	(\$187,893)	\$ 21,320	(\$190,005)
Oxides of Sulfur (SOx)	-3.4	\$ 11,149	(\$14,012)		
Carbon Monoxide (CO)	-115.3	\$ 442	(\$18,605)		
Particulate Matter (PM10)	-3.9	\$ 4,967	(\$7,067)	\$ 20,500	(\$29,166)
Total	-158.7		(\$322,533)		(\$273,738)

Difference Between Reference Case and Cap-and-Trade No Offsets

			MD MSBACT uidelines	CALEPA CAT Updated Macroeconomic Report	
Criteria Pollutant	Estimated Change (TPD)	\$/Ton	Value \$1,000/Yr	\$/Ton	Value \$1,000/Yr
Reactive Organic Gases (ROG)	-14.4	\$ 22,297	(\$117,433)	\$ 12,813	(\$67,483)
Oxides of Nitrogen (NOx)	-44.6	\$ 21,083	(\$343,025)	\$ 21,320	(\$346,881)
Oxides of Sulfur (SOx)	-5.7	\$ 11,149	(\$23,325)		
Carbon Monoxide (CO)	-140.2	\$ 442	(\$22,625)		
Particulate Matter (PM10)	-6.4	\$ 4,967	(\$11,655)	\$ 20,500	(\$48,103)
Total	-211.4		(\$518,063)		(\$462,467)