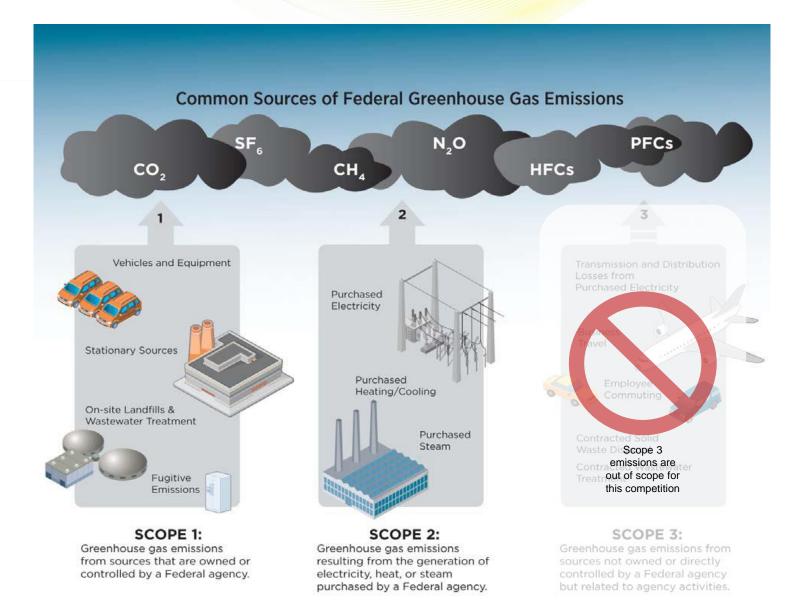


CAES Annual Pitch Event 2021

INL GHG Emissions Data - FY19

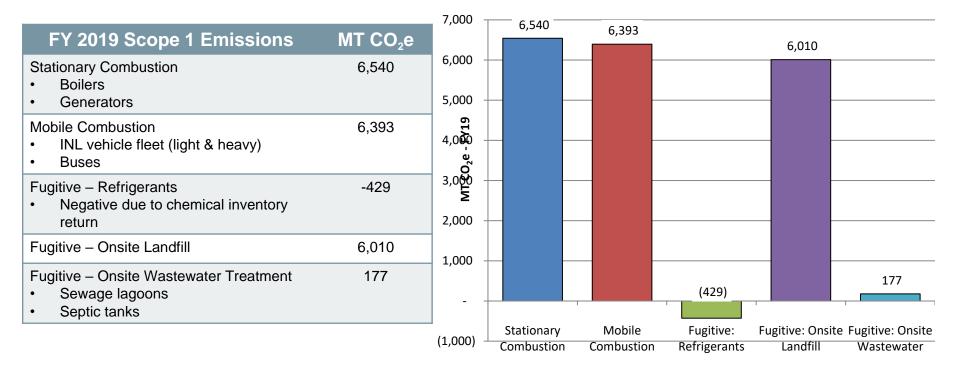






Scope 1 Direct Emissions – 18,691 MT CO₂e

Largest Scope 1 Contributors





Scope 2 Indirect Emissions – 32,991 MT CO₂e

Largest Scope 2 Contributors

		50,000 46,545
		40,000
FY 2019 Scope 2 Emissions	MT CO₂e	Φ 30,000
Purchased Electricity	46,545	
T&D Losses (Owned)* * assumes the national average T&D loss factor of 6.59%	710	
Purchased RECs	-14,264	
		(10,000) (14,264)
		(20,000) Purchased T&D Losses Purchased RE Electricity (Owned)



Scope	Emissions Category	FY 2019 GHG Emissions (MT CO ₂ e)
1 (Direct)	Stationary Combustion	6,540.40
	Mobile Combustion	6,393.26 -429.39
	Fugitive Emissions: Refrigerants	-429.39
	Fugitive Emissions: Onsite Landfill	6,009.75
	Fugitive Emissions: Onsite Wastewater Treatment	177.34
	SCOPE 1 TOTAL	18,691.36
2 (Indirect)	Purchased Electricity	46,544.53
	Transmission & Distribution Losses (Owned)	709.77
	Purchased RECs	(14,263.76)
	SCOPE 2 TOTAL	32,990.54
(Indvert)	Transmission & Distribution Losses (Shared)	3,067.28
	Employee Commuting	10,715.91
	Business Air Travel	6,746.14
	Business Ground Travel: Rental Vehicle	758.12
	Business Ground Travel: Personal Vehicle	454.52
	Contracted MSW Disposal	275.11
	Contracted Wastewater Treatment	12.95
	SCOPE 3 TOTAL	22,030.03
TOTAL ANTHROPOGENIC EMISSIONS ^a	73,711.93	
Biogenic	Mobile Combustion	2,266.39
	Fugitive Emissions: Onsite Landfill	733.00
	Contracted MSW Disposal	30.26
TOTAL BIOGENIC EMISSIONS	3,029.65	
TOTAL EMISSIONS (ANTHROPOGENIC +	76,741.57	

Collaboration Inspiring Innovation and Impact



Center for Advanced Energy Studies

